# Astrodienst Ephemeris Tables

## from the year 2000 BCE for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## JANUARY 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 34 56 | 25♐19'20 | 7♋26 | 23♐21 | 8♒58 | 12♐32 | 18♑33 | 29°R56 | 6°R 9 | 4°R10 | 0°R12 | 14°R 4 | 13♊33 | 9♐29 | n.a. | F 1 |
| S 2 | 5 38 53 | 26°19'51 | 22°23 | 25° 9 | 10° 7 | 13°19 | 18°47 | 29♊51 | 6♉ 8 | 4♍ 9 | 0♋10 | 14♊ 2 | 13°30 | 9°35 | n.a. | S 2 |
| S 3 | 5 42 49 | 27°20'20 | 7♌ 0 | 26°57 | 11°15 | 14° 7 | 19° 1 | 29°47 | 6° 6 | 4° 9 | 0° 9 | 14° 1 | 13°27 | 9°42 | n.a. | S 3 |
| M 4 | 5 46 46 | 28°20'47 | 21°11 | 28°46 | 12°22 | 14°54 | 19°15 | 29°42 | 6° 5 | 4° 8 | 0° 7 | 13°59 | 13°24 | 9°49 | n.a. | M 4 |
| T 5 | 5 50 43 | 29°21'13 | 4♍54 | 0♑36 | 13°30 | 15°41 | 19°29 | 29°37 | 6° 4 | 4° 8 | 0° 6 | 13°57 | 13°21 | 9°55 | n.a. | T 5 |
| W 6 | 5 54 39 | 0♑21'37 | 18°10 | 2°27 | 14°38 | 16°28 | 19°43 | 29°32 | 6° 2 | 4° 8 | 0° 4 | 13°56 | 13°18 | 10° 2 | n.a. | W 6 |
| T 7 | 5 58 36 | 1°22'00 | 1♎ 0 | 4°18 | 15°45 | 17°15 | 19°57 | 29°27 | 6° 1 | 4° 7 | 0° 3 | 13°D56 | 13°14 | 10° 9 | n.a. | T 7 |
| F 8 | 6 2 32 | 2°22'21 | 13°29 | 6°11 | 16°52 | 18° 2 | 20°11 | 29°23 | 6° 0 | 4° 6 | 0° 1 | 13°56 | 13°11 | 10°15 | n.a. | F 8 |
| S 9 | 6 6 29 | 3°22'40 | 25°40 | 8° 3 | 17°59 | 18°49 | 20°25 | 29°18 | 5°59 | 4° 6 | 29♊59 | 13°57 | 13° 8 | 10°22 | n.a. | S 9 |
| S 10 | 6 10 25 | 4°22'58 | 7♏39 | 9°57 | 19° 5 | 19°37 | 20°39 | 29°13 | 5°58 | 4° 5 | 29°58 | 13°59 | 13° 5 | 10°29 | n.a. | S 10 |
| M11 | 6 14 22 | 5°23'14 | 19°30 | 11°50 | 20°12 | 20°24 | 20°53 | 29° 8 | 5°57 | 4° 5 | 29°57 | 14° 1 | 13° 2 | 10°35 | n.a. | M11 |
| T 12 | 6 18 18 | 6°23'28 | 1♐16 | 13°44 | 21°18 | 21°11 | 21° 8 | 29° 3 | 5°56 | 4° 4 | 29°55 | 14° 2 | 12°58 | 10°42 | n.a. | T 12 |
| W13 | 6 22 15 | 7°23'40 | 13° 3 | 15°38 | 22°24 | 21°58 | 21°22 | 28°59 | 5°55 | 4° 3 | 29°54 | 14°R 3 | 12°55 | 10°49 | n.a. | W13 |
| T 14 | 6 26 12 | 8°23'51 | 24°52 | 17°32 | 23°29 | 22°45 | 21°36 | 28°54 | 5°54 | 4° 3 | 29°52 | 14° 2 | 12°52 | 10°55 | n.a. | T 14 |
| F 15 | 6 30 8 | 9°23'59 | 6♑46 | 19°26 | 24°35 | 23°32 | 21°50 | 28°49 | 5°54 | 4° 2 | 29°51 | 14° 0 | 12°49 | 11° 2 | n.a. | F 15 |
| S 16 | 6 34 5 | 10°24'06 | 18°47 | 21°19 | 25°40 | 24°19 | 22° 5 | 28°44 | 5°53 | 4° 1 | 29°49 | 13°57 | 12°46 | 11° 8 | n.a. | S 16 |
| S 17 | 6 38 1 | 11°24'10 | 0♒57 | 23°11 | 26°45 | 25° 7 | 22°19 | 28°40 | 5°52 | 4° 0 | 29°48 | 13°53 | 12°43 | 11°15 | n.a. | S 17 |
| M18 | 6 41 58 | 12°24'12 | 13°17 | 25° 2 | 27°49 | 25°54 | 22°33 | 28°35 | 5°52 | 3°59 | 29°47 | 13°48 | 12°39 | 11°22 | n.a. | M18 |
| T 19 | 6 45 54 | 13°24'12 | 25°48 | 26°51 | 28°54 | 26°41 | 22°47 | 28°30 | 5°51 | 3°59 | 29°45 | 13°43 | 12°36 | 11°28 | n.a. | T 19 |
| W20 | 6 49 51 | 14°24'10 | 8♓33 | 28°38 | 29°57 | 27°28 | 23° 2 | 28°26 | 5°51 | 3°58 | 29°44 | 13°38 | 12°33 | 11°35 | n.a. | W20 |
| T 21 | 6 53 47 | 15°24'05 | 21°32 | 0♒22 | 1♓ 1 | 28°15 | 23°16 | 28°21 | 5°50 | 3°57 | 29°42 | 13°35 | 12°30 | 11°42 | n.a. | T 21 |
| F 22 | 6 57 44 | 16°23'58 | 4♈48 | 2° 3 | 2° 4 | 29° 2 | 23°31 | 28°17 | 5°50 | 3°56 | 29°41 | 13°33 | 12°27 | 11°48 | n.a. | F 22 |
| S 23 | 7 1 41 | 17°23'48 | 18°21 | 3°41 | 3° 7 | 29°49 | 23°45 | 28°12 | 5°49 | 3°55 | 29°39 | 13°D32 | 12°24 | 11°55 | n.a. | S 23 |
| S 24 | 7 5 37 | 18°23'36 | 2♉13 | 5°14 | 4°10 | 0♑36 | 23°59 | 28° 8 | 5°49 | 3°54 | 29°38 | 13°33 | 12°20 | 12° 2 | n.a. | S 24 |
| M25 | 7 9 34 | 19°23'21 | 16°24 | 6°43 | 5°12 | 1°23 | 24°14 | 28° 4 | 5°49 | 3°53 | 29°37 | 13°34 | 12°17 | 12° 8 | n.a. | M25 |
| T 26 | 7 13 30 | 20°23'04 | 0♊54 | 8° 7 | 6°14 | 2°10 | 24°28 | 27°59 | 5°49 | 3°52 | 29°35 | 13°35 | 12°14 | 12°15 | n.a. | T 26 |
| W27 | 7 17 27 | 21°22'45 | 15°38 | 9°25 | 7°16 | 2°57 | 24°43 | 27°55 | 5°48 | 3°51 | 29°34 | 13°R36 | 12°11 | 12°22 | n.a. | W27 |
| T 28 | 7 21 23 | 22°22'23 | 0♋32 | 10°37 | 8°17 | 3°44 | 24°57 | 27°51 | 5°48 | 3°50 | 29°33 | 13°35 | 12° 8 | 12°28 | n.a. | T 28 |
| F 29 | 7 25 20 | 23°21'59 | 15°29 | 11°42 | 9°18 | 4°31 | 25°11 | 27°47 | 5°D48 | 3°48 | 29°31 | 13°32 | 12° 4 | 12°35 | n.a. | F 29 |
| S 30 | 7 29 16 | 24°21'33 | 0♌19 | 12°40 | 10°18 | 5°18 | 25°26 | 27°43 | 5°48 | 3°47 | 29°30 | 13°27 | 12° 1 | 12°42 | n.a. | S 30 |
| S 31 | 7 33 13 | 25♑21'04 | 14♌56 | 13♒31 | 11♓18 | 6♑ 5 | 25♑40 | 27♊39 | 5♉48 | 3♍46 | 29♊29 | 13♊21 | 11♊58 | 12♐48 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23 s50 | 25n49 | 2n 6 | 25 s43 | 1 s58 | 19 s15 | 0 s55 | 23 s33 | 0 s48 | 23 s38 | 1 s 2 | 24n29 | 0n33 | 13n38 | 0 s13 | 11n59 | 1n57 | 33n52 | 9n57 | 22n57 | 22n53 | 21 s58 | | n.a. |
| S 2 | 23 52 | 25 16 | 3 17 | 25 48 | 1 59 | 18 53 | 0 51 | 23 40 | 0 48 | 23 36 | 1 2 | 24 29 | 0 33 | 13 37 | 0 13 | 11 59 | 1 57 | 33 52 | 9 57 | 22 57 | 22 53 | 21 59 | | n.a. |
| S 3 | 23 54 | 22 58 | 4 13 | 25 52 | 1 58 | 18 30 | 0 47 | 23 46 | 0 49 | 23 34 | 1 2 | 24 29 | 0 33 | 13 37 | 0 13 | 11 59 | 1 57 | 33 52 | 9 57 | 22 57 | 22 53 | 22 1 | | n.a. |
| M 4 | 23 55 | 19 19 | 4 52 | 25 53 | 1 58 | 18 7 | 0 43 | 23 52 | 0 49 | 23 32 | 1 2 | 24 29 | 0 34 | 13 36 | 0 13 | 12 0 | 1 57 | 33 52 | 9 57 | 22 57 | 22 52 | 22 3 | | n.a. |
| T 5 | 23 55 | 14 44 | 5 13 | 25 52 | 1 56 | 17 44 | 0 39 | 23 58 | 0 50 | 23 30 | 1 2 | 24 29 | 0 34 | 13 36 | 0 13 | 12 0 | 1 57 | 33 52 | 9 57 | 22 56 | 22 52 | 22 5 | | n.a. |
| W 6 | 23 55 | 9 36 | 5 16 | 25 49 | 1 54 | 17 20 | 0 35 | 24 3 | 0 50 | 23 28 | 1 2 | 24 29 | 0 34 | 13 36 | 0 13 | 12 0 | 1 57 | 33 53 | 9 57 | 22 56 | 22 51 | 22 7 | | n.a. |
| T 7 | 23 55 | 4 12 | 5 3 | 25 43 | 1 52 | 16 56 | 0 31 | 24 9 | 0 51 | 23 26 | 1 2 | 24 29 | 0 34 | 13 35 | 0 13 | 12 0 | 1 57 | 33 53 | 9 57 | 22 56 | 22 51 | 22 9 | | n.a. |
| F 8 | 23 54 | 1 s12 | 4 36 | 25 36 | 1 49 | 16 31 | 0 27 | 24 14 | 0 51 | 23 24 | 1 2 | 24 29 | 0 34 | 13 35 | 0 13 | 12 1 | 1 57 | 33 53 | 9 57 | 22 56 | 22 51 | 22 11 | | n.a. |
| S 9 | 23 53 | 6 27 | 3 57 | 25 26 | 1 46 | 16 6 | 0 22 | 24 18 | 0 52 | 23 22 | 1 2 | 24 29 | 0 34 | 13 35 | 0 13 | 12 1 | 1 57 | 33 53 | 9 57 | 22 56 | 22 50 | 22 13 | | n.a. |
| S 10 | 23 51 | 11 23 | 3 8 | 25 14 | 1 41 | 15 41 | 0 18 | 24 23 | 0 52 | 23 19 | 1 2 | 24 30 | 0 34 | 13 34 | 0 13 | 12 1 | 1 57 | 33 53 | 9 57 | 22 56 | 22 50 | 22 14 | | n.a. |
| M11 | 23 49 | 15 51 | 2 12 | 24 59 | 1 37 | 15 16 | 0 13 | 24 27 | 0 53 | 23 17 | 1 2 | 24 30 | 0 34 | 13 34 | 0 13 | 12 1 | 1 57 | 33 53 | 9 57 | 22 57 | 22 49 | 22 16 | | n.a. |
| T 12 | 23 46 | 19 41 | 1 10 | 24 43 | 1 31 | 14 50 | 0 9 | 24 31 | 0 53 | 23 15 | 1 2 | 24 30 | 0 34 | 13 34 | 0 13 | 12 2 | 1 57 | 33 53 | 9 57 | 22 57 | 22 49 | 22 18 | | n.a. |
| W13 | 23 43 | 22 44 | 0 6 | 24 24 | 1 25 | 14 24 | 0 4 | 24 34 | 0 54 | 23 13 | 1 2 | 24 30 | 0 34 | 13 33 | 0 13 | 12 2 | 1 57 | 33 53 | 9 57 | 22 57 | 22 49 | 22 20 | | n.a. |
| T 14 | 23 39 | 24 49 | 0 s59 | 24 2 | 1 18 | 13 57 | 0n 1 | 24 38 | 0 54 | 23 10 | 1 2 | 24 30 | 0 35 | 13 33 | 0 13 | 12 2 | 1 57 | 33 53 | 9 57 | 22 57 | 22 48 | 22 22 | | n.a. |
| F 15 | 23 35 | 25 47 | 2 2 | 23 39 | 1 11 | 13 30 | 0 6 | 24 41 | 0 55 | 23 8 | 1 2 | 24 30 | 0 35 | 13 33 | 0 13 | 12 3 | 1 57 | 33 53 | 9 58 | 22 57 | 22 48 | 22 24 | | n.a. |
| S 16 | 23 30 | 25 32 | 3 0 | 23 13 | 1 2 | 13 4 | 0 11 | 24 43 | 0 55 | 23 6 | 1 2 | 24 30 | 0 35 | 13 33 | 0 13 | 12 3 | 1 57 | 33 53 | 9 58 | 22 56 | 22 47 | 22 25 | | n.a. |
| S 17 | 23 25 | 24 5 | 3 50 | 22 46 | 0 53 | 12 36 | 0 16 | 24 46 | 0 56 | 23 4 | 1 2 | 24 30 | 0 35 | 13 32 | 0 13 | 12 3 | 1 58 | 33 53 | 9 58 | 22 56 | 22 47 | 22 27 | | n.a. |
| M18 | 23 20 | 21 28 | 4 30 | 22 16 | 0 44 | 12 9 | 0 21 | 24 48 | 0 56 | 23 1 | 1 2 | 24 30 | 0 35 | 13 32 | 0 13 | 12 4 | 1 58 | 33 53 | 9 58 | 22 55 | 22 46 | 22 29 | | n.a. |
| T 19 | 23 14 | 17 50 | 4 58 | 21 45 | 0 33 | 11 41 | 0 26 | 24 50 | 0 57 | 22 59 | 1 2 | 24 30 | 0 35 | 13 32 | 0 13 | 12 4 | 1 58 | 33 53 | 9 58 | 22 55 | 22 46 | 22 31 | | n.a. |
| W20 | 23 8 | 13 19 | 5 12 | 21 13 | 0 22 | 11 14 | 0 31 | 24 51 | 0 57 | 22 56 | 1 2 | 24 30 | 0 35 | 13 32 | 0 13 | 12 5 | 1 58 | 33 53 | 9 58 | 22 54 | 22 46 | 22 33 | | n.a. |
| T 21 | 23 1 | 8 9 | 5 10 | 20 39 | 0 10 | 10 46 | 0 36 | 24 52 | 0 58 | 22 54 | 1 2 | 24 30 | 0 35 | 13 32 | 0 13 | 12 5 | 1 58 | 33 53 | 9 58 | 22 54 | 22 45 | 22 34 | | n.a. |
| F 22 | 22 54 | 2 30 | 4 52 | 20 4 | 0n 2 | 10 18 | 0 42 | 24 53 | 0 58 | 22 51 | 1 3 | 24 30 | 0 35 | 13 32 | 0 13 | 12 5 | 1 58 | 33 53 | 9 58 | 22 53 | 22 45 | 22 36 | | n.a. |
| S 23 | 22 46 | 3n23 | 4 17 | 19 29 | 0 15 | 9 50 | 0 47 | 24 54 | 0 59 | 22 49 | 1 3 | 24 30 | 0 35 | 13 32 | 0 13 | 12 6 | 1 58 | 33 53 | 9 58 | 22 53 | 22 44 | 22 38 | | n.a. |
| S 24 | 22 38 | 9 15 | 3 27 | 18 53 | 0 28 | 9 21 | 0 53 | 24 54 | 0 59 | 22 46 | 1 3 | 24 30 | 0 35 | 13 31 | 0 13 | 12 6 | 1 58 | 33 53 | 9 58 | 22 53 | 22 44 | 22 40 | | n.a. |
| M25 | 22 29 | 14 48 | 2 23 | 18 17 | 0 42 | 8 53 | 0 59 | 24 54 | 0 59 | 22 44 | 1 3 | 24 30 | 0 36 | 13 31 | 0 13 | 12 7 | 1 58 | 33 53 | 9 58 | 22 53 | 22 44 | 22 42 | | n.a. |
| T 26 | 22 21 | 19 38 | 1 9 | 17 42 | 0 56 | 8 25 | 1 4 | 24 54 | 1 0 | 22 41 | 1 3 | 24 30 | 0 36 | 13 31 | 0 13 | 12 7 | 1 58 | 33 53 | 9 58 | 22 54 | 22 43 | 22 43 | | n.a. |
| W27 | 22 11 | 23 19 | 0n11 | 17 8 | 1 11 | 7 56 | 1 10 | 24 54 | 1 0 | 22 39 | 1 3 | 24 30 | 0 36 | 13 31 | 0 13 | 12 8 | 1 58 | 33 53 | 9 58 | 22 54 | 22 43 | 22 45 | | n.a. |
| T 28 | 22 1 | 25 26 | 1 31 | 16 34 | 1 25 | 7 28 | 1 16 | 24 53 | 1 1 | 22 36 | 1 3 | 24 30 | 0 36 | 13 31 | 0 13 | 12 8 | 1 58 | 33 53 | 9 57 | 22 54 | 22 42 | 22 47 | | n.a. |
| F 29 | 21 51 | 25 44 | 2 45 | 16 2 | 1 39 | 6 59 | 1 22 | 24 52 | 1 1 | 22 34 | 1 3 | 24 30 | 0 36 | 13 31 | 0 13 | 12 9 | 1 58 | 33 53 | 9 57 | 22 53 | 22 42 | 22 49 | | n.a. |
| S 30 | 21 41 | 24 10 | 3 47 | 15 32 | 1 54 | 6 30 | 1 28 | 24 50 | 1 1 | 22 31 | 1 3 | 24 30 | 0 36 | 13 31 | 0 13 | 12 9 | 1 58 | 33 53 | 9 57 | 22 53 | 22 41 | 22 50 | | n.a. |
| S 31 | 21 s30 | 21n 1 | 4n33 | 15 s 4 | 2n 8 | 6 s 2 | 1n34 | 24 s49 | 1 s 2 | 22 s28 | 1 s 3 | 24n30 | 0n36 | 13n31 | 0 s13 | 12n 9 | 1n58 | 33n53 | 9n57 | 22n52 | 22n41 | 22 s52 | | n.a. |

Julian Day Number = 990923.5, Delta T = 13h02m34s
Ecliptic obliquity = 23°55'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'48, Lahiri = -31°31'47 Julian Calendar 1 Jan. 2000 BCE == Greg. Calendar 15 Dec. 2001 BCE

The year -1999 astronomical counting style corresponds to year 2000 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## FEBRUARY 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 37 9 | 26♑20'34 | 29♌11 | 14♒14 | 12♓17 | 6♑51 | 25♑55 | 27°R35 | 5♉49 | 3°R45 | 29°R27 | 13°R14 | 11♊55 | 12♐55 | n.a. | M 1 |
| T 2 | 7 41 6 | 27°20'01 | 13♍ 1 | 14°50 | 13°16 | 7°38 | 26° 9 | 27♊31 | 5°49 | 3♍44 | 29♊26 | 13♊ 7 | 11°52 | 13° 1 | n.a. | T 2 |
| W 3 | 7 45 3 | 28°19'26 | 26°23 | 15°17 | 14°15 | 8°25 | 26°23 | 27°27 | 5°49 | 3°42 | 29°25 | 13° 1 | 11°49 | 13° 8 | n.a. | W 3 |
| T 4 | 7 48 59 | 29°18'49 | 9♎20 | 15°36 | 15°13 | 9°12 | 26°38 | 27°24 | 5°49 | 3°41 | 29°23 | 12°57 | 11°45 | 13°15 | n.a. | T 4 |
| F 5 | 7 52 56 | 0♒18'11 | 21°52 | 15°47 | 16°10 | 9°59 | 26°52 | 27°20 | 5°50 | 3°40 | 29°22 | 12°55 | 11°42 | 13°21 | n.a. | F 5 |
| S 6 | 7 56 52 | 1°17'30 | 4♏ 6 | 15°R51 | 17° 7 | 10°46 | 27° 7 | 27°16 | 5°50 | 3°39 | 29°21 | 12°D55 | 11°39 | 13°28 | n.a. | S 6 |
| S 7 | 8 0 49 | 2°16'47 | 16° 5 | 15°46 | 18° 4 | 11°32 | 27°21 | 27°13 | 5°50 | 3°37 | 29°20 | 12°56 | 11°36 | 13°35 | n.a. | S 7 |
| M 8 | 8 4 45 | 3°16'03 | 27°55 | 15°34 | 19° 0 | 12°19 | 27°35 | 27° 9 | 5°51 | 3°36 | 29°19 | 12°57 | 11°33 | 13°41 | n.a. | M 8 |
| T 9 | 8 8 42 | 4°15'16 | 9♐41 | 15°15 | 19°55 | 13° 6 | 27°50 | 27° 6 | 5°51 | 3°35 | 29°17 | 12°R58 | 11°30 | 13°48 | n.a. | T 9 |
| W10 | 8 12 38 | 5°14'28 | 21°29 | 14°49 | 20°50 | 13°52 | 28° 4 | 27° 3 | 5°52 | 3°33 | 29°16 | 12°57 | 11°26 | 13°55 | n.a. | W10 |
| T 11 | 8 16 35 | 6°13'37 | 3♑21 | 14°17 | 21°44 | 14°39 | 28°18 | 26°59 | 5°53 | 3°32 | 29°15 | 12°55 | 11°23 | 14° 1 | n.a. | T 11 |
| F 12 | 8 20 31 | 7°12'45 | 15°22 | 13°40 | 22°38 | 15°26 | 28°33 | 26°56 | 5°53 | 3°30 | 29°14 | 12°50 | 11°20 | 14° 8 | n.a. | F 12 |
| S 13 | 8 24 28 | 8°11'50 | 27°34 | 12°59 | 23°30 | 16°12 | 28°47 | 26°53 | 5°54 | 3°29 | 29°13 | 12°43 | 11°17 | 14°15 | n.a. | S 13 |
| S 14 | 8 28 25 | 9°10'53 | 9♒59 | 12°14 | 24°23 | 16°59 | 29° 1 | 26°50 | 5°55 | 3°28 | 29°12 | 12°34 | 11°14 | 14°21 | n.a. | S 14 |
| M15 | 8 32 21 | 10° 9'54 | 22°36 | 11°27 | 25°14 | 17°46 | 29°16 | 26°47 | 5°56 | 3°26 | 29°11 | 12°24 | 11°10 | 14°28 | n.a. | M15 |
| T 16 | 8 36 18 | 11° 8'52 | 5♓27 | 10°38 | 26° 5 | 18°32 | 29°30 | 26°45 | 5°57 | 3°25 | 29°10 | 12°13 | 11° 7 | 14°34 | n.a. | T 16 |
| W17 | 8 40 14 | 12° 7'49 | 18°31 | 9°48 | 26°55 | 19°19 | 29°44 | 26°42 | 5°58 | 3°23 | 29° 9 | 12° 3 | 11° 4 | 14°41 | n.a. | W17 |
| T 18 | 8 44 11 | 13° 6'42 | 1♈47 | 8°59 | 27°44 | 20° 5 | 29°58 | 26°39 | 5°59 | 3°22 | 29° 8 | 11°55 | 11° 1 | 14°48 | n.a. | T 18 |
| F 19 | 8 48 7 | 14° 5'34 | 15°14 | 8°11 | 28°33 | 20°51 | 0♒13 | 26°37 | 6° 0 | 3°20 | 29° 7 | 11°49 | 10°58 | 14°54 | n.a. | F 19 |
| S 20 | 8 52 4 | 15° 4'23 | 28°53 | 7°26 | 29°20 | 21°38 | 0°27 | 26°35 | 6° 1 | 3°19 | 29° 6 | 11°46 | 10°55 | 15° 1 | n.a. | S 20 |
| S 21 | 8 56 0 | 16° 3'09 | 12♉43 | 6°43 | 0♈ 7 | 22°24 | 0°41 | 26°32 | 6° 2 | 3°17 | 29° 5 | 11°D45 | 10°51 | 15° 8 | n.a. | S 21 |
| M22 | 8 59 57 | 17° 1'54 | 26°44 | 6° 4 | 0°53 | 23°11 | 0°55 | 26°30 | 6° 3 | 3°15 | 29° 4 | 11°45 | 10°48 | 15°14 | n.a. | M22 |
| T 23 | 9 3 53 | 18° 0'35 | 10♊57 | 5°29 | 1°38 | 23°57 | 1° 9 | 26°28 | 6° 5 | 3°14 | 29° 3 | 11°R46 | 10°45 | 15°21 | n.a. | T 23 |
| W24 | 9 7 50 | 18°59'15 | 25°20 | 4°58 | 2°22 | 24°43 | 1°23 | 26°26 | 6° 6 | 3°12 | 29° 2 | 11°45 | 10°42 | 15°28 | n.a. | W24 |
| T 25 | 9 11 47 | 19°57'52 | 9♋49 | 4°33 | 3° 5 | 25°29 | 1°37 | 26°24 | 6° 7 | 3°11 | 29° 1 | 11°42 | 10°39 | 15°34 | n.a. | T 25 |
| F 26 | 9 15 43 | 20°56'26 | 24°21 | 4°12 | 3°47 | 26°15 | 1°51 | 26°22 | 6° 9 | 3° 9 | 29° 1 | 11°37 | 10°36 | 15°41 | n.a. | F 26 |
| S 27 | 9 19 40 | 21°54'58 | 8♌50 | 3°57 | 4°27 | 27° 2 | 2° 5 | 26°20 | 6°10 | 3° 8 | 29° 0 | 11°29 | 10°32 | 15°48 | n.a. | S 27 |
| S 28 | 9 23 36 | 22♒53'29 | 23♌10 | 3♒46 | 5♈ 7 | 27♑48 | 2♒19 | 26♊19 | 6♉12 | 3♍ 6 | 28♊59 | 11♊19 | 10♊29 | 15♐54 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s19 | 16n40 | 5n 0 | 14s38 | 2n22 | 5s33 | 1n40 | 24s47 | 1s 2 | 22s26 | 1s 3 | 24n30 | 0n36 | 13n31 | 0s13 | 12n10 | 1n58 | 33n53 | 9n57 | 22n51 | 22n41 | 22s54 | | n.a. |
| T 2 | 21 7 | 11 33 | 5 9 | 14 15 | 2 35 | 5 5 | 1 46 | 24 44 | 1 3 | 22 23 | 1 3 | 24 30 | 0 36 | 13 32 | 0 13 | 12 10 | 1 58 | 33 53 | 9 57 | 22 50 | 22 40 | 22 56 | | n.a. |
| W 3 | 20 55 | 6 3 | 5 1 | 13 55 | 2 48 | 4 36 | 1 52 | 24 42 | 1 3 | 22 20 | 1 3 | 24 30 | 0 36 | 13 32 | 0 13 | 12 11 | 1 58 | 33 53 | 9 57 | 22 49 | 22 40 | 22 57 | | n.a. |
| T 4 | 20 42 | 0 28 | 4 37 | 13 38 | 2 59 | 4 8 | 1 58 | 24 39 | 1 3 | 22 17 | 1 3 | 24 30 | 0 36 | 13 32 | 0 13 | 12 11 | 1 59 | 33 53 | 9 57 | 22 49 | 22 39 | 22 59 | | n.a. |
| F 5 | 20 30 | 4s58 | 4 1 | 13 24 | 3 10 | 3 39 | 2 5 | 24 36 | 1 4 | 22 15 | 1 3 | 24 30 | 0 36 | 13 32 | 0 13 | 12 12 | 1 59 | 33 52 | 9 57 | 22 49 | 22 39 | 23 1 | | n.a. |
| S 6 | 20 17 | 10 6 | 3 14 | 13 14 | 3 20 | 3 11 | 2 11 | 24 32 | 1 4 | 22 12 | 1 3 | 24 30 | 0 36 | 13 32 | 0 13 | 12 13 | 1 59 | 33 52 | 9 57 | 22 48 | 22 38 | 23 2 | | n.a. |
| S 7 | 20 3 | 14 45 | 2 20 | 13 7 | 3 29 | 2 43 | 2 17 | 24 29 | 1 4 | 22 9 | 1 4 | 24 30 | 0 36 | 13 32 | 0 13 | 12 13 | 1 59 | 33 52 | 9 57 | 22 49 | 22 38 | 23 4 | | n.a. |
| M 8 | 19 49 | 18 47 | 1 20 | 13 4 | 3 36 | 2 15 | 2 24 | 24 25 | 1 5 | 22 6 | 1 4 | 24 30 | 0 37 | 13 32 | 0 13 | 12 14 | 1 59 | 33 52 | 9 57 | 22 49 | 22 37 | 23 6 | | n.a. |
| T 9 | 19 35 | 22 4 | 0 18 | 13 4 | 3 42 | 1 47 | 2 30 | 24 21 | 1 5 | 22 3 | 1 4 | 24 30 | 0 37 | 13 33 | 0 13 | 12 14 | 1 59 | 33 52 | 9 57 | 22 49 | 22 37 | 23 8 | | n.a. |
| W10 | 19 21 | 24 24 | 0s46 | 13 7 | 3 46 | 1 19 | 2 37 | 24 16 | 1 5 | 22 0 | 1 4 | 24 30 | 0 37 | 13 33 | 0 13 | 12 15 | 1 59 | 33 52 | 9 57 | 22 49 | 22 37 | 23 9 | | n.a. |
| T 11 | 19 6 | 25 40 | 1 48 | 13 14 | 3 48 | 0 51 | 2 43 | 24 11 | 1 6 | 21 58 | 1 4 | 24 30 | 0 37 | 13 33 | 0 13 | 12 15 | 1 59 | 33 52 | 9 57 | 22 49 | 22 36 | 23 11 | | n.a. |
| F 12 | 18 51 | 25 45 | 2 45 | 13 24 | 3 49 | 0 24 | 2 50 | 24 6 | 1 6 | 21 55 | 1 4 | 24 30 | 0 37 | 13 33 | 0 13 | 12 16 | 1 59 | 33 52 | 9 56 | 22 48 | 22 36 | 23 13 | | n.a. |
| S 13 | 18 35 | 24 35 | 3 36 | 13 37 | 3 48 | 0n 3 | 2 56 | 24 1 | 1 6 | 21 52 | 1 4 | 24 30 | 0 37 | 13 34 | 0 13 | 12 16 | 1 59 | 33 52 | 9 56 | 22 47 | 22 35 | 23 14 | | n.a. |
| S 14 | 18 19 | 22 13 | 4 17 | 13 52 | 3 45 | 0 31 | 3 3 | 23 55 | 1 6 | 21 49 | 1 4 | 24 30 | 0 37 | 13 34 | 0 13 | 12 17 | 1 59 | 33 52 | 9 56 | 22 46 | 22 35 | 23 16 | | n.a. |
| M15 | 18 3 | 18 45 | 4 47 | 14 10 | 3 41 | 0 57 | 3 9 | 23 49 | 1 7 | 21 46 | 1 4 | 24 30 | 0 37 | 13 34 | 0 13 | 12 17 | 1 59 | 33 51 | 9 56 | 22 44 | 22 34 | 23 18 | | n.a. |
| T 16 | 17 47 | 14 22 | 5 2 | 14 30 | 3 34 | 1 24 | 3 16 | 23 43 | 1 7 | 21 43 | 1 4 | 24 30 | 0 37 | 13 35 | 0 13 | 12 18 | 1 59 | 33 51 | 9 56 | 22 43 | 22 34 | 23 19 | | n.a. |
| W17 | 17 30 | 9 15 | 5 2 | 14 51 | 3 26 | 1 50 | 3 22 | 23 37 | 1 7 | 21 40 | 1 4 | 24 30 | 0 37 | 13 35 | 0 13 | 12 19 | 1 59 | 33 51 | 9 56 | 22 42 | 22 33 | 23 21 | | n.a. |
| T 18 | 17 13 | 3 39 | 4 47 | 15 13 | 3 17 | 2 16 | 3 29 | 23 30 | 1 8 | 21 37 | 1 4 | 24 30 | 0 37 | 13 35 | 0 12 | 12 19 | 1 59 | 33 51 | 9 56 | 22 41 | 22 33 | 23 23 | | n.a. |
| F 19 | 16 56 | 2n13 | 4 15 | 15 36 | 3 6 | 2 42 | 3 36 | 23 23 | 1 8 | 21 34 | 1 5 | 24 30 | 0 37 | 13 36 | 0 12 | 12 20 | 1 59 | 33 51 | 9 56 | 22 40 | 22 33 | 23 24 | | n.a. |
| S 20 | 16 39 | 8 4 | 3 28 | 15 59 | 2 54 | 3 7 | 3 42 | 23 16 | 1 8 | 21 31 | 1 5 | 24 30 | 0 37 | 13 36 | 0 12 | 12 20 | 1 59 | 33 51 | 9 55 | 22 39 | 22 32 | 23 26 | | n.a. |
| S 21 | 16 21 | 13 37 | 2 28 | 16 22 | 2 41 | 3 32 | 3 49 | 23 9 | 1 8 | 21 28 | 1 5 | 24 30 | 0 37 | 13 36 | 0 12 | 12 21 | 1 59 | 33 51 | 9 55 | 22 39 | 22 32 | 23 27 | | n.a. |
| M22 | 16 3 | 18 32 | 1 19 | 16 46 | 2 27 | 3 57 | 3 56 | 23 1 | 1 9 | 21 25 | 1 5 | 24 30 | 0 37 | 13 37 | 0 12 | 12 22 | 1 59 | 33 51 | 9 55 | 22 39 | 22 31 | 23 29 | | n.a. |
| T 23 | 15 45 | 22 28 | 0 4 | 17 8 | 2 13 | 4 21 | 4 2 | 22 53 | 1 9 | 21 22 | 1 5 | 24 30 | 0 37 | 13 37 | 0 12 | 12 22 | 1 59 | 33 50 | 9 55 | 22 39 | 22 31 | 23 31 | | n.a. |
| W24 | 15 26 | 25 2 | 1n12 | 17 30 | 1 58 | 4 45 | 4 9 | 22 45 | 1 9 | 21 19 | 1 5 | 24 30 | 0 37 | 13 38 | 0 12 | 12 23 | 1 59 | 33 50 | 9 55 | 22 39 | 22 30 | 23 32 | | n.a. |
| T 25 | 15 7 | 25 56 | 2 23 | 17 51 | 1 43 | 5 8 | 4 15 | 22 36 | 1 9 | 21 16 | 1 5 | 24 30 | 0 37 | 13 38 | 0 12 | 12 23 | 1 59 | 33 50 | 9 55 | 22 39 | 22 30 | 23 34 | | n.a. |
| F 26 | 14 48 | 25 3 | 3 26 | 18 11 | 1 27 | 5 31 | 4 22 | 22 28 | 1 10 | 21 13 | 1 5 | 24 30 | 0 37 | 13 39 | 0 12 | 12 24 | 1 59 | 33 50 | 9 55 | 22 38 | 22 29 | 23 36 | | n.a. |
| S 27 | 14 29 | 22 30 | 4 15 | 18 30 | 1 12 | 5 54 | 4 28 | 22 19 | 1 10 | 21 9 | 1 5 | 24 30 | 0 38 | 13 39 | 0 12 | 12 25 | 1 59 | 33 50 | 9 54 | 22 37 | 22 29 | 23 37 | | n.a. |
| S 28 | 14s10 | 18n34 | 4n47 | 18s47 | 0n57 | 6n16 | 4n35 | 22s10 | 1s10 | 21s 6 | 1s 6 | 24n30 | 0n38 | 13n40 | 0s12 | 12n25 | 1n59 | 33n50 | 9n54 | 22n36 | 22n28 | 23s39 | | n.a. |

Julian Day Number = 990954.5, Delta T = 13h02m32s
Ecliptic obliquity = 23°55'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'44, Lahiri = -31°31'43 Julian Calendar 1 Feb. 2000 BCE == Greg. Calendar 15 Jan. 2000 BCE


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## MARCH 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 27 33 | 23♒51'56 | 7♍14 | 3°D42 | 5♈45 | 28♉34 | 2♒33 | 26°R17 | 6♉13 | 3°R 4 | 28°R58 | 11°R 7 | 10♊26 | 16♐ 1 | n.a. | M 1 |
| T 2 | 9 31 29 | 24°50'22 | 20°58 | 3♒42 | 6°22 | 29°20 | 2°47 | 26♊16 | 6°15 | 3♍ 3 | 28♊58 | 10♊56 | 10°23 | 16° 8 | n.a. | T 2 |
| W 3 | 9 35 26 | 25°48'46 | 4♎19 | 3°48 | 6°58 | 0♒ 6 | 3° 1 | 26°15 | 6°17 | 3° 1 | 28°57 | 10°46 | 10°20 | 16°14 | n.a. | W 3 |
| T 4 | 9 39 22 | 26°47'08 | 17°15 | 3°58 | 7°33 | 0°52 | 3°15 | 26°13 | 6°18 | 3° 0 | 28°56 | 10°38 | 10°16 | 16°21 | n.a. | T 4 |
| F 5 | 9 43 19 | 27°45'29 | 29°49 | 4°14 | 8° 6 | 1°38 | 3°28 | 26°12 | 6°20 | 2°58 | 28°55 | 10°33 | 10°13 | 16°27 | n.a. | F 5 |
| S 6 | 9 47 15 | 28°43'47 | 12♏ 5 | 4°34 | 8°38 | 2°24 | 3°42 | 26°11 | 6°22 | 2°56 | 28°55 | 10°30 | 10°10 | 16°34 | n.a. | S 6 |
| S 7 | 9 51 12 | 29°42'04 | 24° 6 | 4°59 | 9° 8 | 3° 9 | 3°56 | 26°10 | 6°24 | 2°55 | 28°54 | 10°29 | 10° 7 | 16°41 | n.a. | S 7 |
| M 8 | 9 55 9 | 0♓40'19 | 5♐57 | 5°28 | 9°37 | 3°55 | 4° 9 | 26°10 | 6°26 | 2°53 | 28°54 | 10°29 | 10° 4 | 16°47 | n.a. | M 8 |
| T 9 | 9 59 5 | 1°38'33 | 17°45 | 6° 1 | 10° 4 | 4°41 | 4°23 | 26° 9 | 6°27 | 2°51 | 28°53 | 10°29 | 10° 1 | 16°54 | n.a. | T 9 |
| W10 | 10 3 2 | 2°36'45 | 29°34 | 6°39 | 10°30 | 5°27 | 4°37 | 26° 8 | 6°29 | 2°50 | 28°53 | 10°28 | 9°57 | 17° 1 | n.a. | W10 |
| T 11 | 10 6 58 | 3°34'55 | 11♑30 | 7°20 | 10°54 | 6°12 | 4°50 | 26° 8 | 6°31 | 2°48 | 28°52 | 10°24 | 9°54 | 17° 7 | n.a. | T 11 |
| F 12 | 10 10 55 | 4°33'04 | 23°38 | 8° 5 | 11°16 | 6°58 | 5° 4 | 26° 7 | 6°34 | 2°47 | 28°52 | 10°19 | 9°51 | 17°14 | n.a. | F 12 |
| S 13 | 10 14 51 | 5°31'10 | 5♒59 | 8°53 | 11°36 | 7°44 | 5°17 | 26° 7 | 6°36 | 2°45 | 28°51 | 10°10 | 9°48 | 17°21 | n.a. | S 13 |
| S 14 | 10 18 48 | 6°29'15 | 18°37 | 9°44 | 11°55 | 8°29 | 5°30 | 26° 7 | 6°38 | 2°43 | 28°51 | 9°59 | 9°45 | 17°27 | n.a. | S 14 |
| M15 | 10 22 44 | 7°27'19 | 1♓33 | 10°39 | 12°11 | 9°15 | 5°44 | 26°D 7 | 6°40 | 2°42 | 28°50 | 9°47 | 9°42 | 17°34 | n.a. | M15 |
| T 16 | 10 26 41 | 8°25'20 | 14°45 | 11°37 | 12°26 | 10° 0 | 5°57 | 26° 7 | 6°42 | 2°40 | 28°50 | 9°34 | 9°38 | 17°41 | n.a. | T 16 |
| W17 | 10 30 37 | 9°23'19 | 28°12 | 12°38 | 12°38 | 10°45 | 6°10 | 26° 7 | 6°44 | 2°38 | 28°50 | 9°22 | 9°35 | 17°47 | n.a. | W17 |
| T 18 | 10 34 34 | 10°21'17 | 11♈51 | 13°42 | 12°49 | 11°31 | 6°23 | 26° 7 | 6°47 | 2°37 | 28°50 | 9°12 | 9°32 | 17°54 | n.a. | T 18 |
| F 19 | 10 38 31 | 11°19'13 | 25°39 | 14°48 | 12°57 | 12°16 | 6°36 | 26° 8 | 6°49 | 2°35 | 28°49 | 9° 4 | 9°29 | 18° 1 | n.a. | F 19 |
| S 20 | 10 42 27 | 12°17'07 | 9♉35 | 15°57 | 13° 3 | 13° 1 | 6°49 | 26° 8 | 6°52 | 2°34 | 28°49 | 9° 0 | 9°26 | 18° 7 | n.a. | S 20 |
| S 21 | 10 46 24 | 13°14'58 | 23°35 | 17° 9 | 13° 6 | 13°47 | 7° 2 | 26° 9 | 6°54 | 2°32 | 28°49 | 8°58 | 9°22 | 18°14 | n.a. | S 21 |
| M22 | 10 50 20 | 14°12'48 | 7♊40 | 18°23 | 13°R 8 | 14°32 | 7°15 | 26° 9 | 6°56 | 2°30 | 28°49 | 8°57 | 9°19 | 18°20 | n.a. | M22 |
| T 23 | 10 54 17 | 15°10'36 | 21°47 | 19°39 | 13° 7 | 15°17 | 7°28 | 26°10 | 6°59 | 2°29 | 28°48 | 8°57 | 9°16 | 18°27 | n.a. | T 23 |
| W24 | 10 58 13 | 16° 8'23 | 5♋55 | 20°58 | 13° 3 | 16° 2 | 7°41 | 26°11 | 7° 1 | 2°27 | 28°48 | 8°56 | 9°13 | 18°34 | n.a. | W24 |
| T 25 | 11 2 10 | 17° 6'07 | 20° 5 | 22°19 | 12°58 | 16°47 | 7°53 | 26°12 | 7° 4 | 2°26 | 28°48 | 8°53 | 9°10 | 18°40 | n.a. | T 25 |
| F 26 | 11 6 6 | 18° 3'49 | 4♌12 | 23°43 | 12°49 | 17°32 | 8° 6 | 26°13 | 7° 7 | 2°24 | 28°48 | 8°48 | 9° 7 | 18°47 | n.a. | F 26 |
| S 27 | 11 10 3 | 19° 1'29 | 18°15 | 25° 9 | 12°38 | 18°17 | 8°19 | 26°14 | 7° 9 | 2°22 | 28°48 | 8°39 | 9° 3 | 18°54 | n.a. | S 27 |
| S 28 | 11 14 0 | 19°59'08 | 2♍10 | 26°37 | 12°25 | 19° 2 | 8°31 | 26°16 | 7°12 | 2°21 | 28°D48 | 8°29 | 9° 0 | 19° 0 | n.a. | S 28 |
| M29 | 11 17 56 | 20°56'45 | 15°52 | 28° 7 | 12°10 | 19°46 | 8°44 | 26°17 | 7°15 | 2°19 | 28°48 | 8°17 | 8°57 | 19° 7 | n.a. | M29 |
| T 30 | 11 21 53 | 21°54'21 | 29°18 | 29°39 | 11°52 | 20°31 | 8°56 | 26°18 | 7°17 | 2°18 | 28°48 | 8° 5 | 8°54 | 19°14 | n.a. | T 30 |
| W31 | 11 25 49 | 22♓51'55 | 12♎26 | 1♓13 | 11♈31 | 21♒16 | 9♒ 8 | 26♊20 | 7♉20 | 2♍16 | 28♊48 | 7♊55 | 8♊51 | 19♐20 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 13s50 | 13n40 | 5n 1 | 19s 3 | 0n42 | 6n37 | 4n41 | 22s 1 | 1s10 | 21s 3 | 1s 6 | 24n30 | 0n38 | 13n40 | 0s12 | 12n26 | 1n59 | 33n49 | 9n54 | 22n34 | 22n28 | 23s40 | | n.a. |
| T 2 | 13 30 | 8 11 | 4 57 | 19 17 | 0 27 | 6 58 | 4 48 | 21 51 | 1 10 | 21 0 | 1 6 | 24 30 | 0 38 | 13 41 | 0 12 | 12 26 | 1 59 | 33 49 | 9 54 | 22 32 | 22 27 | 23 42 | | n.a. |
| W 3 | 13 10 | 2 29 | 4 37 | 19 30 | 0 12 | 7 18 | 4 54 | 21 41 | 1 10 | 20 57 | 1 6 | 24 30 | 0 38 | 13 42 | 0 12 | 12 27 | 1 59 | 33 49 | 9 54 | 22 31 | 22 27 | 23 44 | | n.a. |
| T 4 | 12 50 | 3s10 | 4 3 | 19 41 | 0s 2 | 7 38 | 5 0 | 21 31 | 1 11 | 20 54 | 1 6 | 24 30 | 0 38 | 13 42 | 0 12 | 12 28 | 1 59 | 33 49 | 9 54 | 22 30 | 22 27 | 23 45 | | n.a. |
| F 5 | 12 30 | 8 33 | 3 18 | 19 50 | 0 15 | 7 57 | 5 6 | 21 21 | 1 11 | 20 51 | 1 6 | 24 30 | 0 38 | 13 43 | 0 12 | 12 28 | 1 59 | 33 49 | 9 54 | 22 29 | 22 26 | 23 47 | | n.a. |
| S 6 | 12 9 | 13 29 | 2 25 | 19 58 | 0 28 | 8 15 | 5 12 | 21 11 | 1 11 | 20 47 | 1 6 | 24 30 | 0 38 | 13 43 | 0 12 | 12 29 | 1 59 | 33 49 | 9 53 | 22 29 | 22 26 | 23 48 | | n.a. |
| S 7 | 11 48 | 17 47 | 1 26 | 20 4 | 0 40 | 8 33 | 5 18 | 21 0 | 1 11 | 20 44 | 1 7 | 24 30 | 0 38 | 13 44 | 0 12 | 12 30 | 1 59 | 33 48 | 9 53 | 22 28 | 22 25 | 23 50 | | n.a. |
| M 8 | 11 27 | 21 21 | 0 24 | 20 8 | 0 52 | 8 49 | 5 24 | 20 49 | 1 11 | 20 41 | 1 7 | 24 30 | 0 38 | 13 45 | 0 12 | 12 30 | 1 59 | 33 48 | 9 53 | 22 28 | 22 25 | 23 51 | | n.a. |
| T 9 | 11 6 | 23 59 | 0s38 | 20 10 | 1 4 | 9 6 | 5 29 | 20 38 | 1 11 | 20 38 | 1 7 | 24 30 | 0 38 | 13 45 | 0 12 | 12 31 | 1 59 | 33 48 | 9 53 | 22 28 | 22 24 | 23 53 | | n.a. |
| W10 | 10 45 | 25 35 | 1 39 | 20 11 | 1 14 | 9 21 | 5 35 | 20 27 | 1 12 | 20 35 | 1 7 | 24 30 | 0 38 | 13 46 | 0 12 | 12 31 | 1 59 | 33 48 | 9 53 | 22 28 | 22 24 | 23 54 | | n.a. |
| T 11 | 10 24 | 26 1 | 2 36 | 20 10 | 1 24 | 9 35 | 5 40 | 20 15 | 1 12 | 20 32 | 1 7 | 24 30 | 0 38 | 13 47 | 0 12 | 12 32 | 1 59 | 33 48 | 9 52 | 22 28 | 22 23 | 23 56 | | n.a. |
| F 12 | 10 2 | 25 13 | 3 27 | 20 7 | 1 33 | 9 49 | 5 45 | 20 4 | 1 12 | 20 28 | 1 7 | 24 30 | 0 38 | 13 47 | 0 12 | 12 33 | 1 59 | 33 47 | 9 52 | 22 27 | 22 23 | 23 57 | | n.a. |
| S 13 | 9 40 | 23 10 | 4 9 | 20 3 | 1 42 | 10 2 | 5 50 | 19 52 | 1 12 | 20 25 | 1 7 | 24 30 | 0 38 | 13 48 | 0 12 | 12 33 | 1 59 | 33 47 | 9 52 | 22 26 | 22 22 | 23 59 | | n.a. |
| S 14 | 9 19 | 19 58 | 4 40 | 19 56 | 1 50 | 10 14 | 5 55 | 19 40 | 1 12 | 20 22 | 1 8 | 24 30 | 0 38 | 13 49 | 0 12 | 12 34 | 1 59 | 33 47 | 9 52 | 22 24 | 22 22 | 24 1 | | n.a. |
| M15 | 8 57 | 15 45 | 4 57 | 19 48 | 1 58 | 10 24 | 6 0 | 19 28 | 1 12 | 20 19 | 1 8 | 24 30 | 0 38 | 13 50 | 0 12 | 12 34 | 1 59 | 33 47 | 9 52 | 22 22 | 22 21 | 24 2 | | n.a. |
| T 16 | 8 35 | 10 42 | 4 59 | 19 38 | 2 4 | 10 34 | 6 4 | 19 15 | 1 12 | 20 16 | 1 8 | 24 30 | 0 38 | 13 50 | 0 12 | 12 35 | 1 59 | 33 47 | 9 51 | 22 20 | 22 21 | 24 4 | | n.a. |
| W17 | 8 12 | 5 4 | 4 44 | 19 27 | 2 11 | 10 43 | 6 8 | 19 3 | 1 12 | 20 12 | 1 8 | 24 30 | 0 38 | 13 51 | 0 12 | 12 36 | 1 59 | 33 46 | 9 51 | 22 18 | 22 20 | 24 5 | | n.a. |
| T 18 | 7 50 | 0n54 | 4 14 | 19 13 | 2 16 | 10 50 | 6 12 | 18 50 | 1 12 | 20 9 | 1 8 | 24 30 | 0 38 | 13 52 | 0 12 | 12 36 | 1 59 | 33 46 | 9 51 | 22 17 | 22 20 | 24 7 | | n.a. |
| F 19 | 7 28 | 6 54 | 3 27 | 18 58 | 2 21 | 10 57 | 6 15 | 18 37 | 1 12 | 20 6 | 1 8 | 24 30 | 0 38 | 13 53 | 0 12 | 12 37 | 1 59 | 33 46 | 9 51 | 22 16 | 22 19 | 24 8 | | n.a. |
| S 20 | 7 5 | 12 38 | 2 29 | 18 41 | 2 25 | 11 2 | 6 19 | 18 24 | 1 12 | 20 3 | 1 8 | 24 30 | 0 38 | 13 54 | 0 12 | 12 37 | 1 59 | 33 46 | 9 51 | 22 15 | 22 19 | 24 9 | | n.a. |
| S 21 | 6 43 | 17 45 | 1 20 | 18 22 | 2 29 | 11 6 | 6 21 | 18 11 | 1 12 | 20 0 | 1 9 | 24 30 | 0 38 | 13 54 | 0 12 | 12 38 | 1 59 | 33 46 | 9 50 | 22 14 | 22 18 | 24 11 | | n.a. |
| M22 | 6 20 | 21 55 | 0 7 | 18 2 | 2 32 | 11 9 | 6 24 | 17 57 | 1 12 | 19 56 | 1 9 | 24 30 | 0 38 | 13 55 | 0 12 | 12 39 | 1 59 | 33 45 | 9 50 | 22 14 | 22 18 | 24 12 | | n.a. |
| T 23 | 5 57 | 24 47 | 1n 7 | 17 39 | 2 34 | 11 11 | 6 26 | 17 44 | 1 13 | 19 53 | 1 9 | 24 30 | 0 38 | 13 56 | 0 12 | 12 39 | 1 59 | 33 45 | 9 50 | 22 14 | 22 17 | 24 14 | | n.a. |
| W24 | 5 34 | 26 5 | 2 18 | 17 15 | 2 36 | 11 11 | 6 27 | 17 30 | 1 13 | 19 50 | 1 9 | 24 30 | 0 38 | 13 57 | 0 12 | 12 40 | 1 59 | 33 45 | 9 50 | 22 14 | 22 17 | 24 15 | | n.a. |
| T 25 | 5 12 | 25 40 | 3 19 | 16 49 | 2 37 | 11 9 | 6 29 | 17 16 | 1 13 | 19 47 | 1 9 | 24 31 | 0 38 | 13 58 | 0 12 | 12 40 | 1 59 | 33 45 | 9 50 | 22 14 | 22 16 | 24 17 | | n.a. |
| F 26 | 4 49 | 23 37 | 4 8 | 16 22 | 2 38 | 11 7 | 6 29 | 17 2 | 1 13 | 19 44 | 1 10 | 24 31 | 0 38 | 13 59 | 0 12 | 12 41 | 1 59 | 33 45 | 9 49 | 22 13 | 22 16 | 24 18 | | n.a. |
| S 27 | 4 26 | 20 8 | 4 42 | 15 52 | 2 38 | 11 2 | 6 29 | 16 48 | 1 13 | 19 40 | 1 10 | 24 31 | 0 38 | 14 0 | 0 12 | 12 41 | 1 59 | 33 44 | 9 49 | 22 12 | 22 15 | 24 20 | | n.a. |
| S 28 | 4 3 | 15 33 | 4 59 | 15 21 | 2 37 | 10 57 | 6 29 | 16 34 | 1 13 | 19 37 | 1 10 | 24 31 | 0 38 | 14 1 | 0 12 | 12 42 | 1 59 | 33 44 | 9 49 | 22 10 | 22 15 | 24 21 | | n.a. |
| M29 | 3 40 | 10 15 | 4 58 | 14 48 | 2 36 | 10 49 | 6 28 | 16 20 | 1 13 | 19 34 | 1 10 | 24 31 | 0 38 | 14 1 | 0 12 | 12 43 | 1 59 | 33 44 | 9 49 | 22 8 | 22 14 | 24 23 | | n.a. |
| T 30 | 3 16 | 4 34 | 4 41 | 14 13 | 2 34 | 10 41 | 6 26 | 16 5 | 1 13 | 19 31 | 1 10 | 24 31 | 0 38 | 14 2 | 0 12 | 12 43 | 1 59 | 33 44 | 9 49 | 22 6 | 22 14 | 24 24 | | n.a. |
| W31 | 2s53 | 1s12 | 4n 9 | 13s37 | 2s31 | 10n31 | 6n24 | 15s51 | 1s13 | 19s28 | 1s10 | 24n31 | 0n39 | 14n 3 | 0s12 | 12n44 | 1n59 | 33n44 | 9n48 | 22n 4 | 22n13 | 24s25 | | n.a. |

Julian Day Number = 990982.5, Delta T = 13h02m30s
Ecliptic obliquity = 23°55'31, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'40, Lahiri = -31°31'39 Julian Calendar 1 March 2000 BCE == Greg. Calendar 12 Feb. 2000 BCE


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## APRIL 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 29 46 | 23♓49'27 | 25♎14 | 2♓50 | 11°R 9 | 22♒ 1 | 9♒20 | 26♊22 | 7♉23 | 2°R15 | 28♊48 | 7°R46 | 8♊47 | 19♐27 | n.a. | T 1 |
| F 2 | 11 33 42 | 24°46'59 | 7♏44 | 4°29 | 10♈44 | 22°45 | 9°33 | 26°24 | 7°26 | 2♍13 | 28°48 | 7♊40 | 8°44 | 19°34 | n.a. | F 2 |
| S 3 | 11 37 39 | 25°44'29 | 19°57 | 6° 9 | 10°17 | 23°30 | 9°45 | 26°25 | 7°29 | 2°12 | 28°49 | 7°37 | 8°41 | 19°40 | n.a. | S 3 |
| S 4 | 11 41 35 | 26°41'59 | 1♐57 | 7°52 | 9°48 | 24°14 | 9°57 | 26°27 | 7°32 | 2°10 | 28°49 | 7°35 | 8°38 | 19°47 | n.a. | S 4 |
| M 5 | 11 45 32 | 27°39'27 | 13°49 | 9°37 | 9°18 | 24°59 | 10° 9 | 26°30 | 7°35 | 2° 9 | 28°49 | 7°D35 | 8°35 | 19°54 | n.a. | M 5 |
| T 6 | 11 49 28 | 28°36'54 | 25°38 | 11°25 | 8°45 | 25°43 | 10°20 | 26°32 | 7°38 | 2° 8 | 28°49 | 7°R36 | 8°32 | 20° 0 | n.a. | T 6 |
| W 7 | 11 53 25 | 29°34'20 | 7♑29 | 13°14 | 8°12 | 26°27 | 10°32 | 26°34 | 7°41 | 2° 6 | 28°50 | 7°35 | 8°28 | 20° 7 | n.a. | W 7 |
| T 8 | 11 57 22 | 0♈31'46 | 19°27 | 15° 5 | 7°37 | 27°12 | 10°44 | 26°36 | 7°44 | 2° 5 | 28°50 | 7°34 | 8°25 | 20°13 | n.a. | T 8 |
| F 9 | 12 1 18 | 1°29'10 | 1♒38 | 16°59 | 7° 1 | 27°56 | 10°55 | 26°39 | 7°47 | 2° 3 | 28°50 | 7°30 | 8°22 | 20°20 | n.a. | F 9 |
| S 10 | 12 5 15 | 2°26'33 | 14° 5 | 18°54 | 6°24 | 28°40 | 11° 7 | 26°42 | 7°50 | 2° 2 | 28°51 | 7°24 | 8°19 | 20°27 | n.a. | S 10 |
| S 11 | 12 9 11 | 3°23'56 | 26°52 | 20°52 | 5°47 | 29°24 | 11°18 | 26°44 | 7°53 | 2° 1 | 28°51 | 7°15 | 8°16 | 20°33 | n.a. | S 11 |
| M12 | 12 13 8 | 4°21'17 | 10♓ 0 | 22°51 | 5° 9 | 0♓ 8 | 11°30 | 26°47 | 7°56 | 1°59 | 28°51 | 7° 6 | 8°13 | 20°40 | n.a. | M12 |
| T 13 | 12 17 4 | 5°18'37 | 23°29 | 24°53 | 4°31 | 0°52 | 11°41 | 26°50 | 7°59 | 1°58 | 28°52 | 6°55 | 8° 9 | 20°47 | n.a. | T 13 |
| W14 | 12 21 1 | 6°15'57 | 7♈17 | 26°56 | 3°54 | 1°36 | 11°52 | 26°53 | 8° 2 | 1°57 | 28°52 | 6°46 | 8° 6 | 20°53 | n.a. | W14 |
| T 15 | 12 24 57 | 7°13'15 | 21°20 | 29° 1 | 3°16 | 2°20 | 12° 3 | 26°56 | 8° 5 | 1°55 | 28°53 | 6°38 | 8° 3 | 21° 0 | n.a. | T 15 |
| F 16 | 12 28 54 | 8°10'32 | 5♉34 | 1♈ 7 | 2°39 | 3° 4 | 12°14 | 26°59 | 8° 9 | 1°54 | 28°53 | 6°32 | 8° 0 | 21° 7 | n.a. | F 16 |
| S 17 | 12 32 51 | 9° 7'49 | 19°54 | 3°15 | 2° 3 | 3°48 | 12°25 | 27° 2 | 8°12 | 1°53 | 28°54 | 6°28 | 7°57 | 21°13 | n.a. | S 17 |
| S 18 | 12 36 47 | 10° 5'04 | 4♊14 | 5°24 | 1°28 | 4°31 | 12°35 | 27° 6 | 8°15 | 1°52 | 28°54 | 6°D27 | 7°53 | 21°20 | n.a. | S 18 |
| M19 | 12 40 44 | 11° 2'18 | 18°32 | 7°34 | 0°55 | 5°15 | 12°46 | 27° 9 | 8°18 | 1°51 | 28°55 | 6°28 | 7°50 | 21°27 | n.a. | M19 |
| T 20 | 12 44 40 | 11°59'31 | 2♋46 | 9°45 | 0°22 | 5°58 | 12°57 | 27°13 | 8°22 | 1°49 | 28°56 | 6°28 | 7°47 | 21°33 | n.a. | T 20 |
| W21 | 12 48 37 | 12°56'43 | 16°53 | 11°56 | 29♓52 | 6°42 | 13° 7 | 27°16 | 8°25 | 1°48 | 28°56 | 6°R29 | 7°44 | 21°40 | n.a. | W21 |
| T 22 | 12 52 33 | 13°53'54 | 0♌52 | 14° 8 | 29°23 | 7°25 | 13°17 | 27°20 | 8°28 | 1°47 | 28°57 | 6°27 | 7°41 | 21°47 | n.a. | T 22 |
| F 23 | 12 56 30 | 14°51'03 | 14°42 | 16°19 | 28°56 | 8° 9 | 13°28 | 27°24 | 8°32 | 1°46 | 28°58 | 6°24 | 7°38 | 21°53 | n.a. | F 23 |
| S 24 | 13 0 27 | 15°48'12 | 28°23 | 18°31 | 28°31 | 8°52 | 13°38 | 27°27 | 8°35 | 1°45 | 28°58 | 6°19 | 7°34 | 22° 0 | n.a. | S 24 |
| S 25 | 13 4 23 | 16°45'19 | 11♍52 | 20°41 | 28° 8 | 9°35 | 13°48 | 27°31 | 8°39 | 1°44 | 28°59 | 6°12 | 7°31 | 22° 7 | n.a. | S 25 |
| M26 | 13 8 20 | 17°42'26 | 25°10 | 22°51 | 27°47 | 10°19 | 13°58 | 27°35 | 8°42 | 1°43 | 29° 0 | 6° 4 | 7°28 | 22°13 | n.a. | M26 |
| T 27 | 13 12 16 | 18°39'32 | 8♎13 | 25° 0 | 27°29 | 11° 2 | 14° 7 | 27°39 | 8°45 | 1°42 | 29° 1 | 5°56 | 7°25 | 22°20 | n.a. | T 27 |
| W28 | 13 16 13 | 19°36'38 | 21° 1 | 27° 8 | 27°13 | 11°45 | 14°17 | 27°44 | 8°49 | 1°41 | 29° 2 | 5°48 | 7°22 | 22°26 | n.a. | W28 |
| T 29 | 13 20 9 | 20°33'43 | 3♏35 | 29°14 | 26°59 | 12°28 | 14°27 | 27°48 | 8°52 | 1°40 | 29° 3 | 5°43 | 7°18 | 22°33 | n.a. | T 29 |
| F 30 | 13 24 6 | 21♈30'47 | 15♏55 | 1♉18 | 26♓48 | 13♓11 | 14♒36 | 27♊52 | 8♉56 | 1♍39 | 29♊ 3 | 5♊39 | 7♊15 | 22♐40 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s30 | 6s47 | 3n25 | 12s58 | 2s28 | 10n19 | 6n21 | 15s36 | 1s13 | 19s25 | 1s11 | 24n31 | 0n39 | 14n 4 | 0s12 | 12n44 | 1n59 | 33n43 | 9n48 | 22n 3 | 22n13 | 24s27 | | n.a. |
| F 2 | 2 7 | 11 59 | 2 32 | 12 18 | 2 25 | 10 6 | 6 18 | 15 21 | 1 12 | 19 22 | 1 11 | 24 31 | 0 39 | 14 5 | 0 12 | 12 45 | 1 59 | 33 43 | 9 48 | 22 2 | 22 12 | 24 28 | | n.a. |
| S 3 | 1 44 | 16 36 | 1 32 | 11 36 | 2 21 | 9 51 | 6 13 | 15 6 | 1 12 | 19 18 | 1 11 | 24 31 | 0 39 | 14 6 | 0 12 | 12 45 | 1 59 | 33 43 | 9 48 | 22 1 | 22 12 | 24 30 | | n.a. |
| S 4 | 1 20 | 20 29 | 0 30 | 10 53 | 2 16 | 9 35 | 6 8 | 14 51 | 1 12 | 19 15 | 1 11 | 24 31 | 0 39 | 14 7 | 0 12 | 12 46 | 1 59 | 33 43 | 9 48 | 22 1 | 22 11 | 24 31 | | n.a. |
| M 5 | 0 57 | 23 28 | 0s33 | 10 7 | 2 10 | 9 17 | 6 3 | 14 35 | 1 12 | 19 12 | 1 11 | 24 31 | 0 39 | 14 8 | 0 12 | 12 46 | 1 59 | 33 43 | 9 47 | 22 1 | 22 11 | 24 32 | | n.a. |
| T 6 | 0 34 | 25 26 | 1 35 | 9 20 | 2 5 | 8 58 | 5 56 | 14 20 | 1 12 | 19 9 | 1 12 | 24 31 | 0 39 | 14 9 | 0 12 | 12 47 | 1 59 | 33 42 | 9 47 | 22 1 | 22 10 | 24 34 | | n.a. |
| W 7 | 0 10 | 26 15 | 2 32 | 8 32 | 1 58 | 8 38 | 5 49 | 14 5 | 1 12 | 19 6 | 1 12 | 24 31 | 0 39 | 14 10 | 0 12 | 12 47 | 1 59 | 33 42 | 9 47 | 22 1 | 22 10 | 24 35 | | n.a. |
| T 8 | 0n13 | 25 50 | 3 24 | 7 42 | 1 51 | 8 17 | 5 41 | 13 49 | 1 12 | 19 3 | 1 12 | 24 32 | 0 39 | 14 11 | 0 12 | 12 48 | 1 59 | 33 42 | 9 47 | 22 1 | 22 9 | 24 37 | | n.a. |
| F 9 | 0 36 | 24 12 | 4 7 | 6 50 | 1 44 | 7 55 | 5 33 | 13 33 | 1 12 | 19 0 | 1 12 | 24 32 | 0 39 | 14 12 | 0 12 | 12 48 | 1 59 | 33 42 | 9 47 | 22 0 | 22 9 | 24 38 | | n.a. |
| S 10 | 0 59 | 21 23 | 4 39 | 5 56 | 1 36 | 7 31 | 5 24 | 13 18 | 1 12 | 18 57 | 1 12 | 24 32 | 0 39 | 14 13 | 0 12 | 12 49 | 1 59 | 33 42 | 9 46 | 21 59 | 22 8 | 24 39 | | n.a. |
| S 11 | 1 23 | 17 28 | 4 59 | 5 2 | 1 27 | 7 7 | 5 14 | 13 2 | 1 12 | 18 54 | 1 13 | 24 32 | 0 39 | 14 14 | 0 12 | 12 49 | 1 59 | 33 41 | 9 46 | 21 58 | 22 8 | 24 41 | | n.a. |
| M12 | 1 46 | 12 38 | 5 3 | 4 5 | 1 19 | 6 42 | 5 3 | 12 46 | 1 12 | 18 51 | 1 13 | 24 32 | 0 39 | 14 15 | 0 12 | 12 50 | 1 59 | 33 41 | 9 46 | 21 56 | 22 7 | 24 42 | | n.a. |
| T 13 | 2 9 | 7 5 | 4 51 | 3 8 | 1 9 | 6 17 | 4 52 | 12 30 | 1 12 | 18 48 | 1 13 | 24 32 | 0 39 | 14 16 | 0 11 | 12 50 | 1 59 | 33 41 | 9 46 | 21 54 | 22 7 | 24 43 | | n.a. |
| W14 | 2 32 | 1 3 | 4 22 | 2 9 | 1 0 | 5 51 | 4 41 | 12 14 | 1 11 | 18 45 | 1 13 | 24 32 | 0 39 | 14 17 | 0 11 | 12 50 | 1 59 | 33 41 | 9 46 | 21 53 | 22 6 | 24 45 | | n.a. |
| T 15 | 2 55 | 5n 9 | 3 37 | 1 10 | 0 50 | 5 25 | 4 29 | 11 58 | 1 11 | 18 42 | 1 14 | 24 32 | 0 39 | 14 18 | 0 11 | 12 51 | 1 59 | 33 41 | 9 45 | 21 51 | 22 6 | 24 46 | | n.a. |
| F 16 | 3 18 | 11 11 | 2 37 | 0 9 | 0 40 | 4 59 | 4 16 | 11 41 | 1 11 | 18 39 | 1 14 | 24 32 | 0 39 | 14 20 | 0 11 | 12 51 | 1 59 | 33 40 | 9 45 | 21 50 | 22 5 | 24 47 | | n.a. |
| S 17 | 3 41 | 16 40 | 1 28 | 0n52 | 0 30 | 4 32 | 4 3 | 11 25 | 1 11 | 18 36 | 1 14 | 24 32 | 0 39 | 14 21 | 0 11 | 12 52 | 1 59 | 33 40 | 9 45 | 21 50 | 22 5 | 24 49 | | n.a. |
| S 18 | 4 4 | 21 14 | 0 12 | 1 54 | 0 19 | 4 6 | 3 50 | 11 9 | 1 11 | 18 33 | 1 14 | 24 33 | 0 39 | 14 22 | 0 11 | 12 52 | 1 59 | 33 40 | 9 45 | 21 50 | 22 4 | 24 50 | | n.a. |
| M19 | 4 27 | 24 29 | 1n 4 | 2 56 | 0 9 | 3 40 | 3 37 | 10 52 | 1 11 | 18 31 | 1 15 | 24 33 | 0 39 | 14 23 | 0 11 | 12 53 | 1 59 | 33 40 | 9 44 | 21 50 | 22 4 | 24 51 | | n.a. |
| T 20 | 4 50 | 26 10 | 2 16 | 3 58 | 0n 2 | 3 15 | 3 23 | 10 36 | 1 11 | 18 28 | 1 15 | 24 33 | 0 39 | 14 24 | 0 11 | 12 53 | 1 59 | 33 40 | 9 44 | 21 50 | 22 3 | 24 53 | | n.a. |
| W21 | 5 13 | 26 8 | 3 20 | 5 0 | 0 13 | 2 50 | 3 9 | 10 19 | 1 10 | 18 25 | 1 15 | 24 33 | 0 39 | 14 25 | 0 11 | 12 53 | 1 59 | 33 39 | 9 44 | 21 50 | 22 3 | 24 54 | | n.a. |
| T 22 | 5 35 | 24 26 | 4 10 | 6 2 | 0 23 | 2 25 | 2 55 | 10 2 | 1 10 | 18 22 | 1 15 | 24 33 | 0 39 | 14 26 | 0 11 | 12 54 | 1 59 | 33 39 | 9 44 | 21 50 | 22 2 | 24 55 | | n.a. |
| F 23 | 5 58 | 21 17 | 4 45 | 7 3 | 0 33 | 2 2 | 2 42 | 9 46 | 1 10 | 18 19 | 1 15 | 24 33 | 0 39 | 14 27 | 0 11 | 12 54 | 1 59 | 33 39 | 9 44 | 21 49 | 22 2 | 24 56 | | n.a. |
| S 24 | 6 20 | 17 1 | 5 4 | 8 4 | 0 43 | 1 39 | 2 28 | 9 29 | 1 10 | 18 17 | 1 16 | 24 33 | 0 39 | 14 28 | 0 11 | 12 54 | 1 59 | 33 39 | 9 44 | 21 48 | 22 1 | 24 58 | | n.a. |
| S 25 | 6 43 | 11 56 | 5 6 | 9 3 | 0 53 | 1 17 | 2 14 | 9 12 | 1 10 | 18 14 | 1 16 | 24 33 | 0 39 | 14 30 | 0 11 | 12 55 | 1 59 | 33 39 | 9 43 | 21 47 | 22 0 | 24 59 | | n.a. |
| M26 | 7 5 | 6 23 | 4 50 | 10 1 | 1 2 | 0 56 | 2 0 | 8 55 | 1 9 | 18 11 | 1 16 | 24 33 | 0 39 | 14 31 | 0 11 | 12 55 | 1 59 | 33 38 | 9 43 | 21 45 | 22 0 | 25 0 | | n.a. |
| T 27 | 7 27 | 0 39 | 4 20 | 10 58 | 1 11 | 0 36 | 1 46 | 8 38 | 1 9 | 18 9 | 1 17 | 24 33 | 0 39 | 14 32 | 0 11 | 12 55 | 1 59 | 33 38 | 9 43 | 21 44 | 21 59 | 25 1 | | n.a. |
| W28 | 7 49 | 5s 1 | 3 37 | 11 53 | 1 19 | 0 17 | 1 33 | 8 21 | 1 9 | 18 6 | 1 17 | 24 34 | 0 39 | 14 33 | 0 11 | 12 56 | 1 58 | 33 38 | 9 43 | 21 43 | 21 59 | 25 3 | | n.a. |
| T 29 | 8 11 | 10 23 | 2 44 | 12 46 | 1 26 | 0s 1 | 1 20 | 8 5 | 1 9 | 18 3 | 1 17 | 24 34 | 0 39 | 14 34 | 0 11 | 12 56 | 1 58 | 33 38 | 9 43 | 21 42 | 21 58 | 25 4 | | n.a. |
| F 30 | 8n33 | 15s16 | 1n45 | 13n37 | 1n34 | 0s17 | 1n 7 | 7s47 | 1s 9 | 18s 1 | 1s17 | 24n34 | 0n39 | 14n35 | 0s11 | 12n56 | 1n58 | 33n38 | 9n42 | 21n41 | 21n58 | 25s 5 | | n.a. |

Julian Day Number = 991013.5, Delta T = 13h02m28s
Ecliptic obliquity = 23°55'31, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'36, Lahiri = -31°31'35 Julian Calendar 1 Apr. 2000 BCE == Greg. Calendar 15 March 2000 BCE


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## MAY 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 28 2 | 22♈27'51 | 28♏ 2 | 3♉21 | 26°R39 | 13♓54 | 14♒45 | 27♊57 | 8♉59 | 1°R38 | 29♊ 4 | 5°R37 | 7♊12 | 22♐46 | n.a. | S 1 |
| S 2 | 13 31 59 | 23°24'55 | 9♐59 | 5°22 | 26♓32 | 14°37 | 14°54 | 28° 1 | 9° 3 | 1♍37 | 29° 5 | 5°D37 | 7° 9 | 22°53 | n.a. | S 2 |
| M 3 | 13 35 56 | 24°21'59 | 21°49 | 7°21 | 26°28 | 15°19 | 15° 4 | 28° 6 | 9° 6 | 1°36 | 29° 6 | 5♊38 | 7° 6 | 23° 0 | n.a. | M 3 |
| T 4 | 13 39 52 | 25°19'02 | 3♑38 | 9°18 | 26°D27 | 16° 2 | 15°12 | 28°10 | 9°10 | 1°36 | 29° 7 | 5°39 | 7° 3 | 23° 6 | n.a. | T 4 |
| W 5 | 13 43 49 | 26°16'06 | 15°29 | 11°12 | 26°28 | 16°45 | 15°21 | 28°15 | 9°13 | 1°35 | 29° 8 | 5°40 | 6°59 | 23°13 | n.a. | W 5 |
| T 6 | 13 47 45 | 27°13'09 | 27°27 | 13° 5 | 26°31 | 17°27 | 15°30 | 28°20 | 9°17 | 1°34 | 29° 9 | 5°R41 | 6°56 | 23°20 | n.a. | T 6 |
| F 7 | 13 51 42 | 28°10'12 | 9♒38 | 14°55 | 26°36 | 18°10 | 15°39 | 28°25 | 9°21 | 1°33 | 29°10 | 5°40 | 6°53 | 23°26 | n.a. | F 7 |
| S 8 | 13 55 38 | 29° 7'15 | 22° 6 | 16°43 | 26°43 | 18°52 | 15°47 | 28°30 | 9°24 | 1°33 | 29°11 | 5°38 | 6°50 | 23°33 | n.a. | S 8 |
| S 9 | 13 59 35 | 0♉ 4'19 | 4♓56 | 18°29 | 26°53 | 19°35 | 15°55 | 28°35 | 9°28 | 1°32 | 29°13 | 5°34 | 6°47 | 23°40 | n.a. | S 9 |
| M10 | 14 3 32 | 1° 1'22 | 18° 8 | 20°13 | 27° 5 | 20°17 | 16° 3 | 28°40 | 9°31 | 1°31 | 29°14 | 5°30 | 6°44 | 23°46 | n.a. | M10 |
| T 11 | 14 7 28 | 1°58'25 | 1♈46 | 21°54 | 27°18 | 20°59 | 16°12 | 28°45 | 9°35 | 1°31 | 29°15 | 5°25 | 6°40 | 23°53 | n.a. | T 11 |
| W12 | 14 11 25 | 2°55'29 | 15°47 | 23°33 | 27°34 | 21°41 | 16°19 | 28°50 | 9°38 | 1°30 | 29°16 | 5°20 | 6°37 | 24° 0 | n.a. | W12 |
| T 13 | 14 15 21 | 3°52'32 | 0♉ 8 | 25°10 | 27°52 | 22°23 | 16°27 | 28°56 | 9°42 | 1°29 | 29°17 | 5°16 | 6°34 | 24° 6 | n.a. | T 13 |
| F 14 | 14 19 18 | 4°49'36 | 14°44 | 26°45 | 28°11 | 23° 5 | 16°35 | 29° 1 | 9°46 | 1°29 | 29°19 | 5°13 | 6°31 | 24°13 | n.a. | F 14 |
| S 15 | 14 23 14 | 5°46'39 | 29°27 | 28°17 | 28°32 | 23°47 | 16°42 | 29° 6 | 9°49 | 1°28 | 29°20 | 5°D12 | 6°28 | 24°20 | n.a. | S 15 |
| S 16 | 14 27 11 | 6°43'43 | 14♊12 | 29°47 | 28°55 | 24°29 | 16°50 | 29°12 | 9°53 | 1°28 | 29°21 | 5°12 | 6°24 | 24°26 | n.a. | S 16 |
| M17 | 14 31 7 | 7°40'46 | 28°51 | 1♊14 | 29°20 | 25°11 | 16°57 | 29°17 | 9°56 | 1°28 | 29°22 | 5°13 | 6°21 | 24°33 | n.a. | M17 |
| T 18 | 14 35 4 | 8°37'49 | 13♋20 | 2°40 | 29°46 | 25°53 | 17° 4 | 29°23 | 10° 0 | 1°27 | 29°24 | 5°14 | 6°18 | 24°40 | n.a. | T 18 |
| W19 | 14 39 1 | 9°34'52 | 27°35 | 4° 2 | 0♈14 | 26°35 | 17°11 | 29°29 | 10° 4 | 1°27 | 29°25 | 5°15 | 6°15 | 24°46 | n.a. | W19 |
| T 20 | 14 42 57 | 10°31'55 | 11♌35 | 5°23 | 0°43 | 27°16 | 17°17 | 29°34 | 10° 7 | 1°26 | 29°26 | 5°R16 | 6°12 | 24°53 | n.a. | T 20 |
| F 21 | 14 46 54 | 11°28'58 | 25°18 | 6°41 | 1°14 | 27°58 | 17°24 | 29°40 | 10°11 | 1°26 | 29°28 | 5°15 | 6° 9 | 24°59 | n.a. | F 21 |
| S 22 | 14 50 50 | 12°26'00 | 8♍45 | 7°56 | 1°46 | 28°39 | 17°30 | 29°46 | 10°14 | 1°26 | 29°29 | 5°14 | 6° 5 | 25° 6 | n.a. | S 22 |
| S 23 | 14 54 47 | 13°23'03 | 21°56 | 9° 9 | 2°19 | 29°21 | 17°37 | 29°52 | 10°18 | 1°26 | 29°31 | 5°11 | 6° 2 | 25°13 | n.a. | S 23 |
| M24 | 14 58 43 | 14°20'06 | 4♎52 | 10°19 | 2°54 | 0♈ 2 | 17°43 | 29°58 | 10°22 | 1°25 | 29°32 | 5° 8 | 5°59 | 25°19 | n.a. | M24 |
| T 25 | 15 2 40 | 15°17'08 | 17°35 | 11°26 | 3°30 | 0°43 | 17°49 | 0♋ 4 | 10°25 | 1°25 | 29°33 | 5° 5 | 5°56 | 25°26 | n.a. | T 25 |
| W26 | 15 6 37 | 16°14'12 | 0♏ 4 | 12°31 | 4° 7 | 1°25 | 17°54 | 0°10 | 10°29 | 1°25 | 29°35 | 5° 2 | 5°53 | 25°33 | n.a. | W26 |
| T 27 | 15 10 33 | 17°11'15 | 12°21 | 13°32 | 4°45 | 2° 6 | 18° 0 | 0°16 | 10°32 | 1°25 | 29°36 | 5° 0 | 5°50 | 25°39 | n.a. | T 27 |
| F 28 | 15 14 30 | 18° 8'19 | 24°29 | 14°31 | 5°25 | 2°47 | 18° 6 | 0°22 | 10°36 | 1°25 | 29°38 | 4°59 | 5°46 | 25°46 | n.a. | F 28 |
| S 29 | 15 18 26 | 19° 5'23 | 6♐28 | 15°27 | 6° 5 | 3°28 | 18°11 | 0°29 | 10°40 | 1°25 | 29°39 | 4°D59 | 5°43 | 25°53 | n.a. | S 29 |
| S 30 | 15 22 23 | 20° 2'29 | 18°20 | 16°19 | 6°47 | 4° 9 | 18°16 | 0°35 | 10°43 | 1°25 | 29°41 | 4°59 | 5°40 | 25°59 | n.a. | S 30 |
| M31 | 15 26 19 | 20♉59'34 | 0♑ 9 | 17♊ 8 | 7♈29 | 4♈50 | 18♒21 | 0♋41 | 10♉47 | 1°D25 | 29♊43 | 5♊ 0 | 5♊37 | 26♐ 6 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n55 | 19s27 | 0n41 | 14n27 | 1n40 | 0s32 | 0n54 | 7s30 | 1s 8 | 17s58 | 1s18 | 24n34 | 0n39 | 14n36 | 0s11 | 12n57 | 1n58 | 33n37 | 9n42 | 21n41 | 21n57 | 25s 6 | | n.a. |
| S 2 | 9 16 | 22 47 | 0s24 | 15 14 | 1 46 | 0 46 | 0 41 | 7 13 | 1 8 | 17 56 | 1 18 | 24 34 | 0 39 | 14 37 | 0 11 | 12 57 | 1 58 | 33 37 | 9 42 | 21 41 | 21 57 | 25 8 | | n.a. |
| M 3 | 9 38 | 25 7 | 1 27 | 15 59 | 1 51 | 0 59 | 0 29 | 6 56 | 1 8 | 17 53 | 1 18 | 24 34 | 0 39 | 14 39 | 0 11 | 12 57 | 1 58 | 33 37 | 9 42 | 21 41 | 21 56 | 25 9 | | n.a. |
| T 4 | 9 59 | 26 19 | 2 27 | 16 42 | 1 56 | 1 11 | 0 17 | 6 39 | 1 8 | 17 51 | 1 18 | 24 34 | 0 39 | 14 40 | 0 11 | 12 57 | 1 58 | 33 37 | 9 42 | 21 41 | 21 56 | 25 10 | | n.a. |
| W 5 | 10 20 | 26 19 | 3 20 | 17 23 | 1 59 | 1 21 | 0 6 | 6 22 | 1 7 | 17 48 | 1 19 | 24 34 | 0 39 | 14 41 | 0 11 | 12 58 | 1 58 | 33 37 | 9 41 | 21 41 | 21 55 | 25 11 | | n.a. |
| T 6 | 10 41 | 25 6 | 4 5 | 18 1 | 2 3 | 1 30 | 0s 5 | 6 5 | 1 7 | 17 46 | 1 19 | 24 34 | 0 39 | 14 42 | 0 11 | 12 58 | 1 58 | 33 37 | 9 41 | 21 41 | 21 55 | 25 12 | | n.a. |
| F 7 | 11 2 | 22 41 | 4 40 | 18 38 | 2 5 | 1 37 | 0 16 | 5 48 | 1 7 | 17 44 | 1 19 | 24 34 | 0 39 | 14 43 | 0 11 | 12 58 | 1 58 | 33 36 | 9 41 | 21 41 | 21 54 | 25 14 | | n.a. |
| S 8 | 11 23 | 19 11 | 5 3 | 19 12 | 2 7 | 1 44 | 0 27 | 5 30 | 1 7 | 17 41 | 1 20 | 24 35 | 0 40 | 14 44 | 0 11 | 12 58 | 1 58 | 33 36 | 9 41 | 21 41 | 21 53 | 25 15 | | n.a. |
| S 9 | 11 43 | 14 43 | 5 12 | 19 44 | 2 8 | 1 49 | 0 37 | 5 13 | 1 6 | 17 39 | 1 20 | 24 35 | 0 40 | 14 46 | 0 11 | 12 59 | 1 58 | 33 36 | 9 41 | 21 40 | 21 53 | 25 16 | | n.a. |
| M10 | 12 4 | 9 26 | 5 4 | 20 13 | 2 9 | 1 54 | 0 46 | 4 56 | 1 6 | 17 37 | 1 20 | 24 35 | 0 40 | 14 47 | 0 11 | 12 59 | 1 58 | 33 36 | 9 41 | 21 39 | 21 52 | 25 17 | | n.a. |
| T 11 | 12 24 | 3 33 | 4 40 | 20 40 | 2 8 | 1 57 | 0 56 | 4 39 | 1 6 | 17 35 | 1 20 | 24 35 | 0 40 | 14 48 | 0 11 | 12 59 | 1 58 | 33 36 | 9 40 | 21 38 | 21 52 | 25 18 | | n.a. |
| W12 | 12 44 | 2n41 | 3 58 | 21 6 | 2 7 | 1 58 | 1 5 | 4 21 | 1 5 | 17 33 | 1 21 | 24 35 | 0 40 | 14 49 | 0 11 | 12 59 | 1 58 | 33 36 | 9 40 | 21 37 | 21 51 | 25 19 | | n.a. |
| T 13 | 13 4 | 8 57 | 3 0 | 21 29 | 2 6 | 1 59 | 1 14 | 4 4 | 1 5 | 17 31 | 1 21 | 24 35 | 0 40 | 14 50 | 0 11 | 12 59 | 1 58 | 33 36 | 9 40 | 21 37 | 21 51 | 25 21 | | n.a. |
| F 14 | 13 23 | 14 50 | 1 50 | 21 50 | 2 4 | 1 59 | 1 22 | 3 47 | 1 5 | 17 28 | 1 21 | 24 35 | 0 40 | 14 51 | 0 11 | 12 59 | 1 58 | 33 35 | 9 40 | 21 36 | 21 50 | 25 22 | | n.a. |
| S 15 | 13 43 | 19 56 | 0 31 | 22 9 | 2 1 | 1 58 | 1 30 | 3 30 | 1 4 | 17 26 | 1 22 | 24 35 | 0 40 | 14 53 | 0 11 | 13 0 | 1 58 | 33 35 | 9 40 | 21 36 | 21 50 | 25 23 | | n.a. |
| S 16 | 14 2 | 23 47 | 0n49 | 22 26 | 1 58 | 1 55 | 1 38 | 3 12 | 1 4 | 17 24 | 1 22 | 24 35 | 0 40 | 14 54 | 0 11 | 13 0 | 1 58 | 33 35 | 9 40 | 21 36 | 21 49 | 25 24 | | n.a. |
| M17 | 14 21 | 26 2 | 2 6 | 22 41 | 1 54 | 1 52 | 1 45 | 2 55 | 1 4 | 17 23 | 1 22 | 24 35 | 0 40 | 14 55 | 0 11 | 13 0 | 1 58 | 33 35 | 9 40 | 21 36 | 21 48 | 25 25 | | n.a. |
| T 18 | 14 40 | 26 28 | 3 14 | 22 54 | 1 49 | 1 48 | 1 52 | 2 38 | 1 3 | 17 21 | 1 22 | 24 35 | 0 40 | 14 56 | 0 11 | 13 0 | 1 57 | 33 35 | 9 39 | 21 36 | 21 48 | 25 26 | | n.a. |
| W19 | 14 58 | 25 8 | 4 9 | 23 5 | 1 44 | 1 43 | 1 59 | 2 21 | 1 3 | 17 19 | 1 23 | 24 35 | 0 40 | 14 57 | 0 11 | 13 0 | 1 57 | 33 35 | 9 39 | 21 37 | 21 47 | 25 27 | | n.a. |
| T 20 | 15 17 | 22 16 | 4 48 | 23 14 | 1 38 | 1 37 | 2 5 | 2 4 | 1 3 | 17 17 | 1 23 | 24 35 | 0 40 | 14 58 | 0 11 | 13 0 | 1 57 | 33 35 | 9 39 | 21 37 | 21 47 | 25 28 | | n.a. |
| F 21 | 15 35 | 18 12 | 5 10 | 23 22 | 1 32 | 1 30 | 2 11 | 1 46 | 1 2 | 17 15 | 1 23 | 24 35 | 0 40 | 15 0 | 0 11 | 13 0 | 1 57 | 33 34 | 9 39 | 21 37 | 21 46 | 25 30 | | n.a. |
| S 22 | 15 53 | 13 17 | 5 14 | 23 28 | 1 25 | 1 22 | 2 17 | 1 29 | 1 2 | 17 14 | 1 24 | 24 35 | 0 40 | 15 1 | 0 11 | 13 0 | 1 57 | 33 34 | 9 39 | 21 36 | 21 46 | 25 31 | | n.a. |
| S 23 | 16 10 | 7 51 | 5 1 | 23 32 | 1 17 | 1 14 | 2 22 | 1 12 | 1 2 | 17 12 | 1 24 | 24 36 | 0 40 | 15 2 | 0 11 | 13 0 | 1 57 | 33 34 | 9 39 | 21 36 | 21 45 | 25 32 | | n.a. |
| M24 | 16 28 | 2 12 | 4 34 | 23 35 | 1 9 | 1 4 | 2 28 | 0 55 | 1 1 | 17 10 | 1 24 | 24 36 | 0 40 | 15 3 | 0 11 | 13 0 | 1 57 | 33 34 | 9 39 | 21 35 | 21 45 | 25 33 | | n.a. |
| T 25 | 16 45 | 3s28 | 3 53 | 23 36 | 1 0 | 0 54 | 2 33 | 0 38 | 1 1 | 17 9 | 1 25 | 24 36 | 0 40 | 15 4 | 0 11 | 13 0 | 1 57 | 33 34 | 9 39 | 21 35 | 21 44 | 25 34 | | n.a. |
| W26 | 17 2 | 8 54 | 3 1 | 23 36 | 0 51 | 0 44 | 2 37 | 0 21 | 1 0 | 17 7 | 1 25 | 24 36 | 0 40 | 15 5 | 0 11 | 13 0 | 1 57 | 33 34 | 9 38 | 21 34 | 21 43 | 25 35 | | n.a. |
| T 27 | 17 18 | 13 56 | 2 2 | 23 35 | 0 42 | 0 32 | 2 42 | 0 4 | 1 0 | 17 6 | 1 25 | 24 36 | 0 40 | 15 7 | 0 11 | 13 0 | 1 57 | 33 34 | 9 38 | 21 34 | 21 43 | 25 36 | | n.a. |
| F 28 | 17 35 | 18 20 | 0 58 | 23 32 | 0 31 | 0 20 | 2 46 | 0n13 | 1 0 | 17 4 | 1 26 | 24 36 | 0 40 | 15 8 | 0 11 | 13 0 | 1 57 | 33 34 | 9 38 | 21 34 | 21 42 | 25 37 | | n.a. |
| S 29 | 17 51 | 21 58 | 0s 8 | 23 27 | 0 21 | 0 7 | 2 50 | 0 30 | 0 59 | 17 3 | 1 26 | 24 36 | 0 40 | 15 9 | 0 11 | 13 0 | 1 57 | 33 34 | 9 38 | 21 34 | 21 42 | 25 38 | | n.a. |
| S 30 | 18 7 | 24 37 | 1 13 | 23 22 | 0 10 | 0n 6 | 2 53 | 0 47 | 0 59 | 17 2 | 1 26 | 24 36 | 0 40 | 15 10 | 0 11 | 13 0 | 1 57 | 33 33 | 9 38 | 21 34 | 21 41 | 25 39 | | n.a. |
| M31 | 18n22 | 26s10 | 2s15 | 23n16 | 0s 2 | 0n20 | 2s57 | 1n 4 | 0s58 | 17s 0 | 1s27 | 24n36 | 0n40 | 15n11 | 0s11 | 13n 0 | 1n57 | 33n33 | 9n38 | 21n34 | 21n41 | 25s40 | | n.a. |

Julian Day Number = 991043.5, Delta T = 13h02m26s
Ecliptic obliquity = 23°55'31, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'32, Lahiri = -31°31'31 Julian Calendar 1 May 2000 BCE == Greg. Calendar 14 Apr. 2000 BCE

The year -1999 astronomical counting style corresponds to year 2000 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## JUNE 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 30 16 | 21♉56'41 | 11♋57 | 17♊53 | 8♈13 | 5♈30 | 18♒26 | 0♋48 | 10♉50 | 1♍25 | 29♊44 | 5♊ 2 | 5♊34 | 26♐13 | n.a. | T 1 |
| W 2 | 15 34 13 | 22°53'48 | 23°49 | 18°35 | 8°57 | 6°11 | 18°30 | 0°54 | 10°54 | 1°25 | 29°46 | 5° 3 | 5°30 | 26°19 | n.a. | W 2 |
| T 3 | 15 38 9 | 23°50'57 | 5♒47 | 19°13 | 9°42 | 6°52 | 18°35 | 1° 1 | 10°58 | 1°25 | 29°47 | 5° 4 | 5°27 | 26°26 | n.a. | T 3 |
| F 4 | 15 42 6 | 24°48'06 | 17°57 | 19°48 | 10°28 | 7°32 | 18°39 | 1° 7 | 11° 1 | 1°25 | 29°49 | 5° 4 | 5°24 | 26°33 | n.a. | F 4 |
| S 5 | 15 46 2 | 25°45'16 | 0♓24 | 20°18 | 11°15 | 8°13 | 18°43 | 1°14 | 11° 5 | 1°25 | 29°51 | 5°R 4 | 5°21 | 26°39 | n.a. | S 5 |
| S 6 | 15 49 59 | 26°42'27 | 13°11 | 20°44 | 12° 3 | 8°53 | 18°47 | 1°20 | 11° 8 | 1°25 | 29°52 | 5° 4 | 5°18 | 26°46 | n.a. | S 6 |
| M 7 | 15 53 55 | 27°39'39 | 26°21 | 21° 5 | 12°51 | 9°33 | 18°51 | 1°27 | 11°12 | 1°25 | 29°54 | 5° 3 | 5°15 | 26°53 | n.a. | M 7 |
| T 8 | 15 57 52 | 28°36'52 | 9♈57 | 21°22 | 13°41 | 10°14 | 18°54 | 1°34 | 11°15 | 1°26 | 29°56 | 5° 2 | 5°11 | 26°59 | n.a. | T 8 |
| W 9 | 16 1 48 | 29°34'07 | 24° 0 | 21°34 | 14°31 | 10°54 | 18°58 | 1°40 | 11°19 | 1°26 | 29°57 | 5° 2 | 5° 8 | 27° 6 | n.a. | W 9 |
| T 10 | 16 5 45 | 0♊31'22 | 8♉27 | 21°42 | 15°21 | 11°34 | 19° 1 | 1°47 | 11°22 | 1°26 | 29°59 | 5° 1 | 5° 5 | 27°13 | n.a. | T 10 |
| F 11 | 16 9 42 | 1°28'39 | 23°13 | 21°R44 | 16°12 | 12°14 | 19° 4 | 1°54 | 11°26 | 1°27 | 0♋ 1 | 5° 1 | 5° 2 | 27°19 | n.a. | F 11 |
| S 12 | 16 13 38 | 2°25'56 | 8♊13 | 21°42 | 17° 4 | 12°54 | 19° 7 | 2° 1 | 11°29 | 1°27 | 0° 3 | 5°D 1 | 4°59 | 27°26 | n.a. | S 12 |
| S 13 | 16 17 35 | 3°23'15 | 23°17 | 21°34 | 17°57 | 13°34 | 19° 9 | 2° 8 | 11°32 | 1°27 | 0° 4 | 5° 1 | 4°56 | 27°33 | n.a. | S 13 |
| M14 | 16 21 31 | 4°20'34 | 8♋18 | 21°22 | 18°50 | 14°14 | 19°12 | 2°15 | 11°36 | 1°28 | 0° 6 | 5° 1 | 4°52 | 27°39 | n.a. | M14 |
| T 15 | 16 25 28 | 5°17'55 | 23° 6 | 21° 4 | 19°43 | 14°53 | 19°14 | 2°22 | 11°39 | 1°28 | 0° 8 | 5°R 1 | 4°49 | 27°46 | n.a. | T 15 |
| W16 | 16 29 24 | 6°15'16 | 7♌37 | 20°42 | 20°38 | 15°33 | 19°16 | 2°29 | 11°43 | 1°29 | 0°10 | 5° 1 | 4°46 | 27°53 | n.a. | W16 |
| T 17 | 16 33 21 | 7°12'38 | 21°45 | 20°14 | 21°32 | 16°13 | 19°18 | 2°36 | 11°46 | 1°29 | 0°11 | 5° 1 | 4°43 | 27°59 | n.a. | T 17 |
| F 18 | 16 37 18 | 8°10'00 | 5♍31 | 19°42 | 22°28 | 16°52 | 19°20 | 2°43 | 11°49 | 1°30 | 0°13 | 5°D 1 | 4°40 | 28° 6 | n.a. | F 18 |
| S 19 | 16 41 14 | 9° 7'24 | 18°53 | 19° 7 | 23°23 | 17°32 | 19°21 | 2°50 | 11°53 | 1°31 | 0°15 | 5° 1 | 4°36 | 28°13 | n.a. | S 19 |
| S 20 | 16 45 11 | 10° 4'48 | 1♎55 | 18°27 | 24°19 | 18°11 | 19°22 | 2°57 | 11°56 | 1°31 | 0°17 | 5° 1 | 4°33 | 28°19 | n.a. | S 20 |
| M21 | 16 49 7 | 11° 2'14 | 14°37 | 17°44 | 25°16 | 18°50 | 19°23 | 3° 4 | 11°59 | 1°32 | 0°19 | 5° 2 | 4°30 | 28°26 | n.a. | M21 |
| T 22 | 16 53 4 | 11°59'40 | 27° 4 | 16°59 | 26°13 | 19°29 | 19°24 | 3°11 | 12° 2 | 1°33 | 0°21 | 5° 2 | 4°27 | 28°32 | n.a. | T 22 |
| W23 | 16 57 0 | 12°57'08 | 9♏19 | 16°13 | 27°11 | 20° 8 | 19°25 | 3°18 | 12° 6 | 1°33 | 0°22 | 5° 3 | 4°24 | 28°39 | n.a. | W23 |
| T 24 | 17 0 57 | 13°54'36 | 21°23 | 15°25 | 28° 9 | 20°47 | 19°26 | 3°26 | 12° 9 | 1°34 | 0°24 | 5° 4 | 4°21 | 28°46 | n.a. | T 24 |
| F 25 | 17 4 53 | 14°52'06 | 3♐20 | 14°37 | 29° 7 | 21°26 | 19°26 | 3°33 | 12°12 | 1°35 | 0°26 | 5°R 4 | 4°17 | 28°52 | n.a. | F 25 |
| S 26 | 17 8 50 | 15°49'38 | 15°12 | 13°51 | 0♑ 6 | 22° 5 | 19°R26 | 3°40 | 12°15 | 1°36 | 0°28 | 5° 4 | 4°14 | 28°59 | n.a. | S 26 |
| S 27 | 17 12 47 | 16°47'11 | 27° 1 | 13° 6 | 1° 5 | 22°44 | 19°26 | 3°47 | 12°18 | 1°37 | 0°30 | 5° 3 | 4°11 | 29° 6 | n.a. | S 27 |
| M28 | 17 16 43 | 17°44'45 | 8♑50 | 12°24 | 2° 5 | 23°22 | 19°26 | 3°55 | 12°21 | 1°38 | 0°32 | 5° 2 | 4° 8 | 29°12 | n.a. | M28 |
| T 29 | 17 20 40 | 18°42'21 | 20°40 | 11°45 | 3° 5 | 24° 1 | 19°25 | 4° 2 | 12°25 | 1°38 | 0°34 | 5° 0 | 4° 5 | 29°19 | n.a. | T 29 |
| W30 | 17 24 36 | 19♊39'58 | 2♒34 | 11♊11 | 4♑ 5 | 24♈39 | 19♒24 | 4♋ 9 | 12♉28 | 1♍39 | 0♋36 | 4♊58 | 4♊ 2 | 29♐26 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n37 | 26s33 | 3s11 | 23n 8 | 0s14 | 0n35 | 3s 0 | 1n21 | 0s58 | 16s59 | 1s27 | 24n36 | 0n40 | 15n12 | 0s11 | 13n 0 | 1n57 | 33n33 | 9n38 | 21n34 | 21n40 | 25s41 | | n.a. |
| W 2 | 18 52 | 25 42 | 3 59 | 22 59 | 0 26 | 0 50 | 3 3 | 1 38 | 0 57 | 16 58 | 1 27 | 24 36 | 0 40 | 15 14 | 0 11 | 13 0 | 1 57 | 33 33 | 9 38 | 21 34 | 21 39 | 25 42 | | n.a. |
| T 3 | 19 7 | 23 40 | 4 37 | 22 50 | 0 39 | 1 5 | 3 5 | 1 54 | 0 57 | 16 57 | 1 28 | 24 36 | 0 40 | 15 15 | 0 11 | 13 0 | 1 57 | 33 33 | 9 38 | 21 35 | 21 39 | 25 43 | | n.a. |
| F 4 | 19 21 | 20 33 | 5 3 | 22 40 | 0 52 | 1 22 | 3 8 | 2 11 | 0 57 | 16 56 | 1 28 | 24 36 | 0 41 | 15 16 | 0 11 | 13 0 | 1 56 | 33 33 | 9 38 | 21 35 | 21 38 | 25 44 | | n.a. |
| S 5 | 19 35 | 16 28 | 5 16 | 22 29 | 1 5 | 1 38 | 3 10 | 2 28 | 0 56 | 16 55 | 1 28 | 24 36 | 0 41 | 15 17 | 0 11 | 13 0 | 1 56 | 33 33 | 9 37 | 21 35 | 21 38 | 25 45 | | n.a. |
| S 6 | 19 49 | 11 33 | 5 14 | 22 17 | 1 19 | 1 55 | 3 12 | 2 45 | 0 56 | 16 54 | 1 29 | 24 36 | 0 41 | 15 18 | 0 11 | 13 0 | 1 56 | 33 33 | 9 37 | 21 35 | 21 37 | 25 46 | | n.a. |
| M 7 | 20 2 | 5 59 | 4 56 | 22 4 | 1 33 | 2 13 | 3 14 | 3 1 | 0 55 | 16 53 | 1 29 | 24 36 | 0 41 | 15 19 | 0 11 | 12 59 | 1 56 | 33 33 | 9 37 | 21 34 | 21 37 | 25 47 | | n.a. |
| T 8 | 20 15 | 0n 2 | 4 20 | 21 52 | 1 47 | 2 31 | 3 15 | 3 18 | 0 55 | 16 52 | 1 29 | 24 36 | 0 41 | 15 20 | 0 11 | 12 59 | 1 56 | 33 33 | 9 37 | 21 34 | 21 36 | 25 48 | | n.a. |
| W 9 | 20 28 | 6 16 | 3 29 | 21 38 | 2 1 | 2 49 | 3 17 | 3 34 | 0 54 | 16 52 | 1 30 | 24 36 | 0 41 | 15 21 | 0 11 | 12 59 | 1 56 | 33 33 | 9 37 | 21 34 | 21 35 | 25 49 | | n.a. |
| T 10 | 20 40 | 12 22 | 2 22 | 21 25 | 2 15 | 3 8 | 3 18 | 3 51 | 0 54 | 16 51 | 1 30 | 24 36 | 0 41 | 15 22 | 0 11 | 12 59 | 1 56 | 33 33 | 9 37 | 21 34 | 21 35 | 25 50 | | n.a. |
| F 11 | 20 52 | 17 54 | 1 5 | 21 11 | 2 29 | 3 27 | 3 19 | 4 7 | 0 53 | 16 50 | 1 30 | 24 36 | 0 41 | 15 24 | 0 11 | 12 59 | 1 56 | 33 33 | 9 37 | 21 34 | 21 34 | 25 51 | | n.a. |
| S 12 | 21 4 | 22 25 | 0n18 | 20 57 | 2 43 | 3 46 | 3 20 | 4 23 | 0 53 | 16 50 | 1 31 | 24 35 | 0 41 | 15 25 | 0 11 | 12 59 | 1 56 | 33 32 | 9 37 | 21 34 | 21 34 | 25 52 | | n.a. |
| S 13 | 21 15 | 25 25 | 1 40 | 20 42 | 2 57 | 4 6 | 3 21 | 4 40 | 0 52 | 16 49 | 1 31 | 24 35 | 0 41 | 15 26 | 0 11 | 12 58 | 1 56 | 33 32 | 9 37 | 21 34 | 21 33 | 25 53 | | n.a. |
| M14 | 21 26 | 26 34 | 2 55 | 20 28 | 3 10 | 4 26 | 3 21 | 4 56 | 0 52 | 16 49 | 1 31 | 24 35 | 0 41 | 15 27 | 0 11 | 12 58 | 1 56 | 33 32 | 9 37 | 21 34 | 21 32 | 25 54 | | n.a. |
| T 15 | 21 37 | 25 47 | 3 57 | 20 14 | 3 23 | 4 46 | 3 22 | 5 12 | 0 51 | 16 48 | 1 32 | 24 35 | 0 41 | 15 28 | 0 11 | 12 58 | 1 56 | 33 32 | 9 37 | 21 34 | 21 32 | 25 55 | | n.a. |
| W16 | 21 47 | 23 16 | 4 42 | 20 1 | 3 35 | 5 6 | 3 22 | 5 28 | 0 51 | 16 48 | 1 32 | 24 35 | 0 41 | 15 29 | 0 11 | 12 58 | 1 56 | 33 32 | 9 37 | 21 34 | 21 31 | 25 56 | | n.a. |
| T 17 | 21 57 | 19 24 | 5 9 | 19 47 | 3 47 | 5 27 | 3 22 | 5 44 | 0 50 | 16 48 | 1 33 | 24 35 | 0 41 | 15 30 | 0 11 | 12 57 | 1 56 | 33 32 | 9 37 | 21 34 | 21 31 | 25 57 | | n.a. |
| F 18 | 22 7 | 14 35 | 5 18 | 19 35 | 3 57 | 5 48 | 3 22 | 6 0 | 0 50 | 16 48 | 1 33 | 24 35 | 0 41 | 15 31 | 0 11 | 12 57 | 1 56 | 33 32 | 9 37 | 21 34 | 21 30 | 25 58 | | n.a. |
| S 19 | 22 16 | 9 11 | 5 8 | 19 22 | 4 7 | 6 9 | 3 22 | 6 16 | 0 49 | 16 47 | 1 33 | 24 35 | 0 41 | 15 32 | 0 11 | 12 57 | 1 56 | 33 32 | 9 37 | 21 34 | 21 29 | 25 59 | | n.a. |
| S 20 | 22 25 | 3 33 | 4 43 | 19 11 | 4 15 | 6 30 | 3 21 | 6 31 | 0 48 | 16 47 | 1 34 | 24 35 | 0 41 | 15 33 | 0 11 | 12 57 | 1 56 | 33 32 | 9 37 | 21 34 | 21 29 | 26 0 | | n.a. |
| M21 | 22 33 | 2s 7 | 4 5 | 19 1 | 4 21 | 6 52 | 3 21 | 6 47 | 0 48 | 16 47 | 1 34 | 24 35 | 0 41 | 15 34 | 0 11 | 12 56 | 1 55 | 33 32 | 9 37 | 21 34 | 21 28 | 26 0 | | n.a. |
| T 22 | 22 41 | 7 36 | 3 16 | 18 51 | 4 27 | 7 13 | 3 20 | 7 3 | 0 47 | 16 47 | 1 34 | 24 35 | 0 41 | 15 35 | 0 11 | 12 56 | 1 55 | 33 32 | 9 37 | 21 34 | 21 28 | 26 1 | | n.a. |
| W23 | 22 49 | 12 43 | 2 18 | 18 43 | 4 30 | 7 35 | 3 19 | 7 18 | 0 47 | 16 47 | 1 35 | 24 34 | 0 42 | 15 36 | 0 11 | 12 56 | 1 55 | 33 32 | 9 37 | 21 34 | 21 27 | 26 2 | | n.a. |
| T 24 | 22 56 | 17 16 | 1 15 | 18 36 | 4 32 | 7 57 | 3 18 | 7 34 | 0 46 | 16 48 | 1 35 | 24 34 | 0 42 | 15 37 | 0 11 | 12 55 | 1 55 | 33 32 | 9 37 | 21 35 | 21 27 | 26 3 | | n.a. |
| F 25 | 23 3 | 21 5 | 0 10 | 18 31 | 4 32 | 8 19 | 3 17 | 7 49 | 0 46 | 16 48 | 1 35 | 24 34 | 0 42 | 15 38 | 0 11 | 12 55 | 1 55 | 33 32 | 9 37 | 21 35 | 21 26 | 26 4 | | n.a. |
| S 26 | 23 9 | 24 1 | 0s56 | 18 27 | 4 30 | 8 41 | 3 16 | 8 4 | 0 45 | 16 48 | 1 36 | 24 34 | 0 42 | 15 39 | 0 11 | 12 55 | 1 55 | 33 32 | 9 37 | 21 35 | 21 25 | 26 5 | | n.a. |
| S 27 | 23 15 | 25 52 | 1 59 | 18 25 | 4 27 | 9 3 | 3 15 | 8 20 | 0 44 | 16 49 | 1 36 | 24 34 | 0 42 | 15 40 | 0 11 | 12 54 | 1 55 | 33 32 | 9 37 | 21 34 | 21 25 | 26 6 | | n.a. |
| M28 | 23 21 | 26 33 | 2 56 | 18 25 | 4 21 | 9 25 | 3 13 | 8 35 | 0 44 | 16 49 | 1 36 | 24 34 | 0 42 | 15 41 | 0 11 | 12 54 | 1 55 | 33 32 | 9 37 | 21 34 | 21 24 | 26 6 | | n.a. |
| T 29 | 23 26 | 26 2 | 3 46 | 18 27 | 4 14 | 9 48 | 3 12 | 8 50 | 0 43 | 16 49 | 1 37 | 24 34 | 0 42 | 15 42 | 0 11 | 12 53 | 1 55 | 33 32 | 9 37 | 21 34 | 21 24 | 26 7 | | n.a. |
| W30 | 23n31 | 24s19 | 4s27 | 18n31 | 4s 6 | 10n10 | 3s10 | 9n 5 | 0s43 | 16s50 | 1s37 | 24n33 | 0n42 | 15n43 | 0s11 | 12n53 | 1n55 | 33n32 | 9n37 | 21n33 | 21n23 | 26s 8 | | n.a. |

Julian Day Number = 991074.5, Delta T = 13h02m24s
Ecliptic obliquity = 23°55'31, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'27, Lahiri = -31°31'27 Julian Calendar 1 June 2000 BCE == Greg. Calendar 15 May 2000 BCE


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## JULY 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 28 33 | 20♊37'37 | 14♒36 | 10°R41 | 5♉ 6 | 25♈18 | 19°R24 | 4♋17 | 12♉31 | 1♍40 | 0♋37 | 4°R56 | 3♊58 | 29♐32 | n.a. | T 1 |
| F 2 | 17 32 29 | 21°35'18 | 26°48 | 10♊18 | 6° 7 | 25°56 | 19♒23 | 4°24 | 12°34 | 1°41 | 0°39 | 4♊54 | 3°55 | 29°39 | n.a. | F 2 |
| S 3 | 17 36 26 | 22°33'00 | 9♓14 | 10° 1 | 7° 8 | 26°34 | 19°21 | 4°32 | 12°37 | 1°42 | 0°41 | 4°52 | 3°52 | 29°46 | n.a. | S 3 |
| S 4 | 17 40 23 | 23°30'45 | 21°57 | 9°51 | 8°10 | 27°12 | 19°20 | 4°39 | 12°40 | 1°43 | 0°43 | 4°D52 | 3°49 | 29°52 | n.a. | S 4 |
| M 5 | 17 44 19 | 24°28'31 | 5♈ 2 | 9°D47 | 9°12 | 27°50 | 19°18 | 4°46 | 12°42 | 1°45 | 0°45 | 4°52 | 3°46 | 29°59 | n.a. | M 5 |
| T 6 | 17 48 16 | 25°26'19 | 18°31 | 9°52 | 10°14 | 28°28 | 19°16 | 4°54 | 12°45 | 1°46 | 0°47 | 4°53 | 3°42 | 0♑ 6 | n.a. | T 6 |
| W 7 | 17 52 12 | 26°24'09 | 2♉25 | 10° 3 | 11°17 | 29° 6 | 19°14 | 5° 1 | 12°48 | 1°47 | 0°49 | 4°54 | 3°39 | 0°12 | n.a. | W 7 |
| T 8 | 17 56 9 | 27°22'01 | 16°45 | 10°23 | 12°20 | 29°44 | 19°12 | 5° 9 | 12°51 | 1°48 | 0°51 | 4°56 | 3°36 | 0°19 | n.a. | T 8 |
| F 9 | 18 0 5 | 28°19'56 | 1♊29 | 10°50 | 13°23 | 0♉22 | 19°10 | 5°16 | 12°54 | 1°49 | 0°53 | 4°R56 | 3°33 | 0°26 | n.a. | F 9 |
| S 10 | 18 4 2 | 29°17'52 | 16°31 | 11°25 | 14°26 | 0°59 | 19° 7 | 5°24 | 12°57 | 1°50 | 0°55 | 4°56 | 3°30 | 0°32 | n.a. | S 10 |
| S 11 | 18 7 58 | 0♋15'50 | 1♋43 | 12° 7 | 15°30 | 1°37 | 19° 4 | 5°31 | 12°59 | 1°52 | 0°57 | 4°55 | 3°27 | 0°39 | n.a. | S 11 |
| M12 | 18 11 55 | 1°13'49 | 16°56 | 12°57 | 16°34 | 2°14 | 19° 1 | 5°39 | 13° 2 | 1°53 | 0°59 | 4°52 | 3°23 | 0°46 | n.a. | M12 |
| T 13 | 18 15 52 | 2°11'51 | 1♌59 | 13°53 | 17°38 | 2°51 | 18°58 | 5°46 | 13° 5 | 1°54 | 1° 1 | 4°48 | 3°20 | 0°52 | n.a. | T 13 |
| W14 | 18 19 48 | 3° 9'54 | 16°44 | 14°57 | 18°43 | 3°29 | 18°54 | 5°54 | 13° 7 | 1°56 | 1° 3 | 4°44 | 3°17 | 0°59 | n.a. | W14 |
| T 15 | 18 23 45 | 4° 7'58 | 1♍ 5 | 16° 7 | 19°48 | 4° 6 | 18°51 | 6° 1 | 13°10 | 1°57 | 1° 5 | 4°41 | 3°14 | 1° 6 | n.a. | T 15 |
| F 16 | 18 27 41 | 5° 6'04 | 14°59 | 17°23 | 20°52 | 4°43 | 18°47 | 6° 9 | 13°12 | 1°58 | 1° 6 | 4°38 | 3°11 | 1°12 | n.a. | F 16 |
| S 17 | 18 31 38 | 6° 4'12 | 28°24 | 18°45 | 21°58 | 5°19 | 18°43 | 6°16 | 13°15 | 2° 0 | 1° 8 | 4°37 | 3° 8 | 1°19 | n.a. | S 17 |
| S 18 | 18 35 34 | 7° 2'21 | 11♎24 | 20°12 | 23° 3 | 5°56 | 18°39 | 6°24 | 13°17 | 2° 1 | 1°10 | 4°D36 | 3° 4 | 1°26 | n.a. | S 18 |
| M19 | 18 39 31 | 8° 0'32 | 24° 2 | 21°44 | 24° 9 | 6°33 | 18°35 | 6°31 | 13°20 | 2° 3 | 1°12 | 4°37 | 3° 1 | 1°32 | n.a. | M19 |
| T 20 | 18 43 27 | 8°58'45 | 6♏21 | 23°20 | 25°14 | 7° 9 | 18°30 | 6°39 | 13°22 | 2° 4 | 1°14 | 4°39 | 2°58 | 1°39 | n.a. | T 20 |
| W21 | 18 47 24 | 9°56'59 | 18°27 | 25° 0 | 26°21 | 7°46 | 18°26 | 6°46 | 13°25 | 2° 6 | 1°16 | 4°41 | 2°55 | 1°46 | n.a. | W21 |
| T 22 | 18 51 20 | 10°55'15 | 0♐23 | 26°44 | 27°27 | 8°22 | 18°21 | 6°54 | 13°27 | 2° 7 | 1°18 | 4°R42 | 2°52 | 1°52 | n.a. | T 22 |
| F 23 | 18 55 17 | 11°53'33 | 12°14 | 28°30 | 28°33 | 8°58 | 18°16 | 7° 1 | 13°29 | 2° 9 | 1°20 | 4°41 | 2°48 | 1°59 | n.a. | F 23 |
| S 24 | 18 59 14 | 12°51'53 | 24° 2 | 0♋18 | 29°40 | 9°35 | 18°11 | 7° 9 | 13°32 | 2°10 | 1°22 | 4°40 | 2°45 | 2° 6 | n.a. | S 24 |
| S 25 | 19 3 10 | 13°50'15 | 5♑51 | 2° 9 | 0♊47 | 10°11 | 18° 5 | 7°16 | 13°34 | 2°12 | 1°24 | 4°36 | 2°42 | 2°12 | n.a. | S 25 |
| M26 | 19 7 7 | 14°48'39 | 17°42 | 4° 1 | 1°54 | 10°47 | 18° 0 | 7°24 | 13°36 | 2°14 | 1°26 | 4°30 | 2°39 | 2°19 | n.a. | M26 |
| T 27 | 19 11 3 | 15°47'04 | 29°38 | 5°54 | 3° 1 | 11°22 | 17°54 | 7°31 | 13°38 | 2°15 | 1°28 | 4°23 | 2°36 | 2°26 | n.a. | T 27 |
| W28 | 19 15 0 | 16°45'32 | 11♒40 | 7°47 | 4° 8 | 11°58 | 17°48 | 7°39 | 13°40 | 2°17 | 1°29 | 4°15 | 2°33 | 2°32 | n.a. | W28 |
| T 29 | 19 18 56 | 17°44'02 | 23°50 | 9°42 | 5°16 | 12°34 | 17°42 | 7°46 | 13°42 | 2°19 | 1°31 | 4° 7 | 2°29 | 2°39 | n.a. | T 29 |
| F 30 | 19 22 53 | 18°42'35 | 6♓ 9 | 11°36 | 6°24 | 13° 9 | 17°36 | 7°54 | 13°44 | 2°21 | 1°33 | 4° 0 | 2°26 | 2°46 | n.a. | F 30 |
| S 31 | 19 26 49 | 19♋41'09 | 18♓40 | 13♋30 | 7♊32 | 13♉44 | 17♒30 | 8♋ 1 | 13♉46 | 2♍22 | 1♋35 | 3♊54 | 2♊23 | 2♑52 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 23n35 | 21s29 | 4s56 | 18n37 | 3s56 | 10n32 | 3s 8 | 9n20 | 0s42 | 16s51 | 1s37 | 24n33 | 0n42 | 15n44 | 0s11 | 12n53 | 1n55 | 33n32 | 9n37 | 21n33 | 21n22 | 26s 9 | | | n.a. |
| F 2 | 23 39 | 17 42 | 5 13 | 18 45 | 3 44 | 10 54 | 3 6 | 9 34 | 0 41 | 16 51 | 1 38 | 24 33 | 0 42 | 15 45 | 0 11 | 12 52 | 1 55 | 33 32 | 9 37 | 21 33 | 21 22 | 26 10 | | | n.a. |
| S 3 | 23 43 | 13 7 | 5 15 | 18 55 | 3 32 | 11 16 | 3 4 | 9 49 | 0 41 | 16 52 | 1 38 | 24 33 | 0 42 | 15 46 | 0 11 | 12 52 | 1 55 | 33 32 | 9 37 | 21 32 | 21 21 | 26 11 | | | n.a. |
| S 4 | 23 46 | 7 51 | 5 2 | 19 7 | 3 18 | 11 39 | 3 2 | 10 4 | 0 40 | 16 53 | 1 39 | 24 33 | 0 42 | 15 47 | 0 11 | 12 51 | 1 55 | 33 32 | 9 37 | 21 32 | 21 20 | 26 11 | | | n.a. |
| M 5 | 23 48 | 2 8 | 4 33 | 19 21 | 3 4 | 12 1 | 3 0 | 10 18 | 0 40 | 16 54 | 1 39 | 24 33 | 0 42 | 15 48 | 0 11 | 12 51 | 1 55 | 33 32 | 9 37 | 21 32 | 21 20 | 26 12 | | | n.a. |
| T 6 | 23 51 | 3n53 | 3 49 | 19 36 | 2 48 | 12 23 | 2 58 | 10 33 | 0 39 | 16 55 | 1 39 | 24 32 | 0 42 | 15 49 | 0 11 | 12 51 | 1 55 | 33 32 | 9 37 | 21 33 | 21 19 | 26 13 | | | n.a. |
| W 7 | 23 52 | 9 54 | 2 50 | 19 54 | 2 33 | 12 45 | 2 55 | 10 47 | 0 38 | 16 56 | 1 40 | 24 32 | 0 42 | 15 50 | 0 11 | 12 50 | 1 55 | 33 32 | 9 37 | 21 33 | 21 19 | 26 14 | | | n.a. |
| T 8 | 23 54 | 15 37 | 1 39 | 20 12 | 2 17 | 13 6 | 2 53 | 11 1 | 0 38 | 16 57 | 1 40 | 24 32 | 0 43 | 15 50 | 0 11 | 12 50 | 1 55 | 33 32 | 9 37 | 21 33 | 21 18 | 26 15 | | | n.a. |
| F 9 | 23 55 | 20 34 | 0 19 | 20 32 | 2 0 | 13 28 | 2 50 | 11 15 | 0 37 | 16 58 | 1 40 | 24 32 | 0 43 | 15 51 | 0 11 | 12 49 | 1 55 | 33 32 | 9 37 | 21 33 | 21 17 | 26 15 | | | n.a. |
| S 10 | 23 55 | 24 17 | 1n 3 | 20 53 | 1 44 | 13 50 | 2 48 | 11 29 | 0 36 | 16 59 | 1 41 | 24 31 | 0 43 | 15 52 | 0 11 | 12 49 | 1 54 | 33 32 | 9 37 | 21 33 | 21 17 | 26 16 | | | n.a. |
| S 11 | 23 55 | 26 17 | 2 22 | 21 15 | 1 28 | 14 11 | 2 45 | 11 43 | 0 36 | 17 0 | 1 41 | 24 31 | 0 43 | 15 53 | 0 11 | 12 48 | 1 54 | 33 32 | 9 37 | 21 33 | 21 16 | 26 17 | | | n.a. |
| M12 | 23 55 | 26 19 | 3 31 | 21 38 | 1 11 | 14 32 | 2 42 | 11 57 | 0 35 | 17 1 | 1 41 | 24 31 | 0 43 | 15 54 | 0 11 | 12 48 | 1 54 | 33 33 | 9 37 | 21 32 | 21 16 | 26 18 | | | n.a. |
| T 13 | 23 54 | 24 24 | 4 24 | 22 1 | 0 56 | 14 53 | 2 40 | 12 11 | 0 34 | 17 3 | 1 42 | 24 31 | 0 43 | 15 55 | 0 11 | 12 47 | 1 54 | 33 33 | 9 37 | 21 32 | 21 15 | 26 18 | | | n.a. |
| W14 | 23 53 | 20 52 | 4 58 | 22 24 | 0 40 | 15 14 | 2 37 | 12 24 | 0 34 | 17 4 | 1 42 | 24 30 | 0 43 | 15 55 | 0 11 | 12 46 | 1 54 | 33 33 | 9 37 | 21 31 | 21 14 | 26 19 | | | n.a. |
| T 15 | 23 52 | 16 10 | 5 13 | 22 46 | 0 25 | 15 35 | 2 34 | 12 38 | 0 33 | 17 6 | 1 42 | 24 30 | 0 43 | 15 56 | 0 11 | 12 46 | 1 54 | 33 33 | 9 37 | 21 30 | 21 14 | 26 20 | | | n.a. |
| F 16 | 23 49 | 10 45 | 5 8 | 23 8 | 0 11 | 15 55 | 2 31 | 12 51 | 0 32 | 17 7 | 1 42 | 24 30 | 0 43 | 15 57 | 0 11 | 12 45 | 1 54 | 33 33 | 9 38 | 21 30 | 21 13 | 26 21 | | | n.a. |
| S 17 | 23 47 | 5 1 | 4 47 | 23 29 | 0n 3 | 16 15 | 2 27 | 13 4 | 0 31 | 17 9 | 1 43 | 24 30 | 0 43 | 15 58 | 0 11 | 12 45 | 1 54 | 33 33 | 9 38 | 21 30 | 21 12 | 26 21 | | | n.a. |
| S 18 | 23 44 | 0s46 | 4 11 | 23 49 | 0 16 | 16 35 | 2 24 | 13 17 | 0 31 | 17 10 | 1 43 | 24 29 | 0 43 | 15 59 | 0 11 | 12 44 | 1 54 | 33 33 | 9 38 | 21 29 | 21 12 | 26 22 | | | n.a. |
| M19 | 23 41 | 6 21 | 3 24 | 24 8 | 0 28 | 16 55 | 2 21 | 13 30 | 0 30 | 17 12 | 1 43 | 24 29 | 0 43 | 15 59 | 0 11 | 12 44 | 1 54 | 33 33 | 9 38 | 21 30 | 21 11 | 26 23 | | | n.a. |
| T 20 | 23 37 | 11 34 | 2 29 | 24 25 | 0 40 | 17 14 | 2 18 | 13 43 | 0 29 | 17 14 | 1 44 | 24 29 | 0 43 | 16 0 | 0 11 | 12 43 | 1 54 | 33 33 | 9 38 | 21 30 | 21 11 | 26 23 | | | n.a. |
| W21 | 23 33 | 16 16 | 1 28 | 24 40 | 0 50 | 17 33 | 2 14 | 13 56 | 0 28 | 17 15 | 1 44 | 24 28 | 0 44 | 16 1 | 0 11 | 12 42 | 1 54 | 33 33 | 9 38 | 21 30 | 21 10 | 26 24 | | | n.a. |
| T 22 | 23 28 | 20 16 | 0 24 | 24 53 | 1 0 | 17 52 | 2 11 | 14 9 | 0 28 | 17 17 | 1 44 | 24 28 | 0 44 | 16 1 | 0 11 | 12 42 | 1 54 | 33 33 | 9 38 | 21 30 | 21 9 | 26 25 | | | n.a. |
| F 23 | 23 23 | 23 24 | 0s41 | 25 4 | 1 9 | 18 10 | 2 8 | 14 21 | 0 27 | 17 19 | 1 45 | 24 28 | 0 44 | 16 2 | 0 11 | 12 41 | 1 54 | 33 33 | 9 38 | 21 30 | 21 9 | 26 25 | | | n.a. |
| S 24 | 23 17 | 25 31 | 1 43 | 25 12 | 1 16 | 18 28 | 2 4 | 14 34 | 0 26 | 17 21 | 1 45 | 24 27 | 0 44 | 16 3 | 0 11 | 12 41 | 1 54 | 33 34 | 9 38 | 21 30 | 21 8 | 26 26 | | | n.a. |
| S 25 | 23 11 | 26 29 | 2 41 | 25 18 | 1 23 | 18 46 | 2 1 | 14 46 | 0 25 | 17 23 | 1 45 | 24 27 | 0 44 | 16 4 | 0 11 | 12 40 | 1 54 | 33 34 | 9 39 | 21 29 | 21 7 | 26 27 | | | n.a. |
| M26 | 23 5 | 26 14 | 3 32 | 25 21 | 1 29 | 19 3 | 1 57 | 14 58 | 0 25 | 17 25 | 1 45 | 24 27 | 0 44 | 16 4 | 0 11 | 12 39 | 1 54 | 33 34 | 9 39 | 21 28 | 21 7 | 26 27 | | | n.a. |
| T 27 | 22 58 | 24 46 | 4 14 | 25 22 | 1 35 | 19 20 | 1 54 | 15 10 | 0 24 | 17 27 | 1 46 | 24 26 | 0 44 | 16 5 | 0 11 | 12 39 | 1 54 | 33 34 | 9 39 | 21 27 | 21 6 | 26 28 | | | n.a. |
| W28 | 22 51 | 22 11 | 4 45 | 25 20 | 1 39 | 19 36 | 1 50 | 15 22 | 0 23 | 17 29 | 1 46 | 24 26 | 0 44 | 16 5 | 0 11 | 12 38 | 1 54 | 33 34 | 9 39 | 21 26 | 21 6 | 26 29 | | | n.a. |
| T 29 | 22 43 | 18 36 | 5 3 | 25 16 | 1 42 | 19 52 | 1 46 | 15 34 | 0 22 | 17 31 | 1 46 | 24 26 | 0 44 | 16 6 | 0 11 | 12 37 | 1 54 | 33 34 | 9 39 | 21 24 | 21 5 | 26 29 | | | n.a. |
| F 30 | 22 35 | 14 11 | 5 8 | 25 9 | 1 45 | 20 8 | 1 43 | 15 46 | 0 21 | 17 33 | 1 46 | 24 25 | 0 44 | 16 7 | 0 11 | 12 37 | 1 54 | 33 34 | 9 39 | 21 23 | 21 4 | 26 30 | | | n.a. |
| S 31 | 22n27 | 9s 7 | 4s58 | 25n 0 | 1n47 | 20n23 | 1s39 | 15n57 | 0s21 | 17s35 | 1s47 | 24n25 | 0n44 | 16n 7 | 0s11 | 12n36 | 1n54 | 33n34 | 9n39 | 21n22 | 21n 4 | 26s31 | | | n.a. |

Julian Day Number = 991104.5, Delta T = 13h02m22s
Ecliptic obliquity = 23°55'31, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'23, Lahiri = -31°31'23 Julian Calendar 1 July 2000 BCE == Greg. Calendar 14 June 2000 BCE

The year -1999 astronomical counting style corresponds to year 2000 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## AUGUST 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 30 46 | 20♋39'46 | 1♈25 | 15♋24 | 8♊40 | 14♉20 | 17°R24 | 8♋ 8 | 13♉48 | 2♍24 | 1♋37 | 3°R51 | 2♊20 | 2♑59 | n.a. | S 1 |
| M 2 | 19 34 43 | 21°38'25 | 14°27 | 17°18 | 9°48 | 14°55 | 17♒17 | 8°16 | 13°50 | 2°26 | 1°39 | 3♊49 | 2°17 | 3° 6 | n.a. | M 2 |
| T 3 | 19 38 39 | 22°37'07 | 27°49 | 19°11 | 10°57 | 15°30 | 17°11 | 8°23 | 13°52 | 2°28 | 1°41 | 3°D49 | 2°13 | 3°12 | n.a. | T 3 |
| W 4 | 19 42 36 | 23°35'51 | 11♉32 | 21° 4 | 12° 6 | 16° 5 | 17° 4 | 8°31 | 13°53 | 2°29 | 1°42 | 3°49 | 2°10 | 3°19 | n.a. | W 4 |
| T 5 | 19 46 32 | 24°34'38 | 25°39 | 22°56 | 13°14 | 16°39 | 16°57 | 8°38 | 13°55 | 2°31 | 1°44 | 3°50 | 2° 7 | 3°26 | n.a. | T 5 |
| F 6 | 19 50 29 | 25°33'27 | 10♊ 9 | 24°47 | 14°23 | 17°14 | 16°50 | 8°45 | 13°57 | 2°33 | 1°46 | 3°R51 | 2° 4 | 3°32 | n.a. | F 6 |
| S 7 | 19 54 25 | 26°32'19 | 24°58 | 26°37 | 15°32 | 17°49 | 16°43 | 8°53 | 13°58 | 2°35 | 1°48 | 3°49 | 2° 1 | 3°39 | n.a. | S 7 |
| S 8 | 19 58 22 | 27°31'13 | 10♋ 1 | 28°27 | 16°42 | 18°23 | 16°36 | 9° 0 | 14° 0 | 2°37 | 1°50 | 3°45 | 1°58 | 3°46 | n.a. | S 8 |
| M 9 | 20 2 18 | 28°30'10 | 25°10 | 0♌15 | 17°51 | 18°57 | 16°29 | 9° 7 | 14° 1 | 2°39 | 1°51 | 3°38 | 1°54 | 3°52 | n.a. | M 9 |
| T 10 | 20 6 15 | 29°29'08 | 10♌15 | 2° 3 | 19° 1 | 19°31 | 16°21 | 9°14 | 14° 3 | 2°41 | 1°53 | 3°30 | 1°51 | 3°59 | n.a. | T 10 |
| W11 | 20 10 11 | 0♌28'09 | 25° 6 | 3°50 | 20°11 | 20° 5 | 16°14 | 9°22 | 14° 4 | 2°43 | 1°55 | 3°21 | 1°48 | 4° 6 | n.a. | W11 |
| T 12 | 20 14 8 | 1°27'11 | 9♍35 | 5°35 | 21°20 | 20°39 | 16° 6 | 9°29 | 14° 6 | 2°45 | 1°57 | 3°13 | 1°45 | 4°12 | n.a. | T 12 |
| F 13 | 20 18 5 | 2°26'16 | 23°36 | 7°20 | 22°30 | 21°13 | 15°59 | 9°36 | 14° 7 | 2°47 | 1°58 | 3° 5 | 1°42 | 4°19 | n.a. | F 13 |
| S 14 | 20 22 1 | 3°25'23 | 7♎ 8 | 9° 4 | 23°40 | 21°46 | 15°51 | 9°43 | 14° 8 | 2°49 | 2° 0 | 3° 0 | 1°39 | 4°26 | n.a. | S 14 |
| S 15 | 20 25 58 | 4°24'31 | 20°11 | 10°47 | 24°51 | 22°20 | 15°43 | 9°50 | 14°10 | 2°51 | 2° 2 | 2°57 | 1°35 | 4°32 | n.a. | S 15 |
| M16 | 20 29 54 | 5°23'42 | 2♏50 | 12°29 | 26° 1 | 22°53 | 15°35 | 9°57 | 14°11 | 2°53 | 2° 3 | 2°D56 | 1°32 | 4°39 | n.a. | M16 |
| T 17 | 20 33 51 | 6°22'54 | 15° 8 | 14°10 | 27°12 | 23°26 | 15°27 | 10° 4 | 14°12 | 2°55 | 2° 5 | 2°56 | 1°29 | 4°46 | n.a. | T 17 |
| W18 | 20 37 47 | 7°22'08 | 27°12 | 15°50 | 28°22 | 23°59 | 15°19 | 10°11 | 14°13 | 2°57 | 2° 7 | 2°R57 | 1°26 | 4°52 | n.a. | W18 |
| T 19 | 20 41 44 | 8°21'25 | 9♐ 5 | 17°30 | 29°33 | 24°32 | 15°11 | 10°18 | 14°14 | 2°59 | 2° 8 | 2°57 | 1°23 | 4°59 | n.a. | T 19 |
| F 20 | 20 45 40 | 9°20'43 | 20°53 | 19° 9 | 0♋44 | 25° 4 | 15° 3 | 10°25 | 14°15 | 3° 1 | 2°10 | 2°55 | 1°19 | 5° 6 | n.a. | F 20 |
| S 21 | 20 49 37 | 10°20'04 | 2♑41 | 20°46 | 1°55 | 25°37 | 14°55 | 10°32 | 14°16 | 3° 3 | 2°12 | 2°51 | 1°16 | 5°12 | n.a. | S 21 |
| S 22 | 20 53 33 | 11°19'26 | 14°32 | 22°23 | 3° 6 | 26° 9 | 14°47 | 10°39 | 14°17 | 3° 5 | 2°13 | 2°44 | 1°13 | 5°19 | n.a. | S 22 |
| M23 | 20 57 30 | 12°18'51 | 26°29 | 23°59 | 4°17 | 26°41 | 14°39 | 10°45 | 14°18 | 3° 7 | 2°15 | 2°35 | 1°10 | 5°26 | n.a. | M23 |
| T 24 | 21 1 27 | 13°18'18 | 8♒33 | 25°35 | 5°29 | 27°13 | 14°31 | 10°52 | 14°18 | 3°10 | 2°16 | 2°23 | 1° 7 | 5°32 | n.a. | T 24 |
| W25 | 21 5 23 | 14°17'47 | 20°47 | 27° 9 | 6°40 | 27°45 | 14°23 | 10°59 | 14°19 | 3°12 | 2°18 | 2°10 | 1° 4 | 5°39 | n.a. | W25 |
| T 26 | 21 9 20 | 15°17'18 | 3♓11 | 28°43 | 7°52 | 28°16 | 14°15 | 11° 6 | 14°20 | 3°14 | 2°19 | 1°57 | 1° 0 | 5°46 | n.a. | T 26 |
| F 27 | 21 13 16 | 16°16'51 | 15°44 | 0♍16 | 9° 3 | 28°48 | 14° 7 | 11°12 | 14°20 | 3°16 | 2°21 | 1°45 | 0°57 | 5°52 | n.a. | F 27 |
| S 28 | 21 17 13 | 17°16'27 | 28°29 | 1°49 | 10°15 | 29°19 | 13°59 | 11°19 | 14°21 | 3°18 | 2°22 | 1°35 | 0°54 | 5°59 | n.a. | S 28 |
| S 29 | 21 21 9 | 18°16'05 | 11♈25 | 3°20 | 11°27 | 29°50 | 13°51 | 11°25 | 14°21 | 3°20 | 2°24 | 1°27 | 0°51 | 6° 6 | n.a. | S 29 |
| M30 | 21 25 6 | 19°15'45 | 24°33 | 4°51 | 12°39 | 0♊21 | 13°43 | 11°32 | 14°22 | 3°23 | 2°25 | 1°22 | 0°48 | 6°12 | n.a. | M30 |
| T 31 | 21 29 2 | 20♌15'28 | 7♉56 | 6♍22 | 13♋51 | 0♊52 | 13♒35 | 11♋38 | 14♉22 | 3♍25 | 2♋27 | 1♊20 | 0♊45 | 6♑19 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 22n18 | 3s35 | 4s34 | 24n49 | 1n49 | 20n38 | 1s35 | 16n 9 | 0s20 | 17s38 | 1s47 | 24n25 | 0n45 | 16n 8 | 0s11 | 12n35 | 1n54 | 33n34 | 9n40 | 21n21 | 21n 3 | 26s31 | | | n.a. |
| M 2 | 22 9 | 2n13 | 3 54 | 24 35 | 1 49 | 20 52 | 1 31 | 16 20 | 0 19 | 17 40 | 1 47 | 24 24 | 0 45 | 16 8 | 0 11 | 12 35 | 1 53 | 33 35 | 9 40 | 21 20 | 21 2 | 26 32 | | | n.a. |
| T 3 | 21 59 | 8 5 | 3 2 | 24 19 | 1 49 | 21 6 | 1 28 | 16 31 | 0 18 | 17 42 | 1 47 | 24 24 | 0 45 | 16 9 | 0 11 | 12 34 | 1 53 | 33 35 | 9 40 | 21 20 | 21 2 | 26 32 | | | n.a. |
| W 4 | 21 49 | 13 45 | 1 57 | 24 1 | 1 49 | 21 19 | 1 24 | 16 43 | 0 17 | 17 44 | 1 48 | 24 24 | 0 45 | 16 10 | 0 11 | 12 33 | 1 53 | 33 35 | 9 40 | 21 21 | 21 1 | 26 33 | | | n.a. |
| T 5 | 21 38 | 18 51 | 0 44 | 23 42 | 1 47 | 21 31 | 1 20 | 16 54 | 0 16 | 17 47 | 1 48 | 24 23 | 0 45 | 16 10 | 0 11 | 12 33 | 1 53 | 33 35 | 9 40 | 21 21 | 21 0 | 26 33 | | | n.a. |
| F 6 | 21 28 | 22 59 | 0n34 | 23 20 | 1 46 | 21 44 | 1 16 | 17 4 | 0 16 | 17 49 | 1 48 | 24 23 | 0 45 | 16 11 | 0 11 | 12 32 | 1 53 | 33 35 | 9 40 | 21 21 | 21 0 | 26 34 | | | n.a. |
| S 7 | 21 16 | 25 41 | 1 51 | 22 57 | 1 44 | 21 55 | 1 13 | 17 15 | 0 15 | 17 51 | 1 48 | 24 22 | 0 45 | 16 11 | 0 11 | 12 31 | 1 53 | 33 35 | 9 41 | 21 20 | 20 59 | 26 35 | | | n.a. |
| S 8 | 21 5 | 26 33 | 3 2 | 22 32 | 1 41 | 22 6 | 1 9 | 17 26 | 0 14 | 17 54 | 1 48 | 24 22 | 0 45 | 16 12 | 0 11 | 12 30 | 1 53 | 33 36 | 9 41 | 21 20 | 20 58 | 26 35 | | | n.a. |
| M 9 | 20 53 | 25 27 | 4 0 | 22 6 | 1 38 | 22 17 | 1 5 | 17 36 | 0 13 | 17 56 | 1 49 | 24 22 | 0 45 | 16 12 | 0 11 | 12 30 | 1 53 | 33 36 | 9 41 | 21 18 | 20 58 | 26 36 | | | n.a. |
| T 10 | 20 40 | 22 31 | 4 41 | 21 38 | 1 35 | 22 27 | 1 1 | 17 47 | 0 12 | 17 59 | 1 49 | 24 21 | 0 46 | 16 12 | 0 11 | 12 29 | 1 53 | 33 36 | 9 41 | 21 17 | 20 57 | 26 36 | | | n.a. |
| W11 | 20 28 | 18 8 | 5 2 | 21 10 | 1 31 | 22 36 | 0 57 | 17 57 | 0 11 | 18 1 | 1 49 | 24 21 | 0 46 | 16 13 | 0 11 | 12 28 | 1 53 | 33 36 | 9 41 | 21 15 | 20 56 | 26 37 | | | n.a. |
| T 12 | 20 14 | 12 48 | 5 3 | 20 39 | 1 27 | 22 45 | 0 54 | 18 7 | 0 10 | 18 4 | 1 49 | 24 20 | 0 46 | 16 13 | 0 11 | 12 27 | 1 53 | 33 36 | 9 42 | 21 13 | 20 56 | 26 37 | | | n.a. |
| F 13 | 20 1 | 6 57 | 4 46 | 20 8 | 1 22 | 22 53 | 0 50 | 18 17 | 0 9 | 18 6 | 1 49 | 24 20 | 0 46 | 16 14 | 0 11 | 12 27 | 1 53 | 33 36 | 9 42 | 21 12 | 20 55 | 26 38 | | | n.a. |
| S 14 | 19 47 | 0 59 | 4 13 | 19 36 | 1 18 | 23 0 | 0 46 | 18 27 | 0 8 | 18 9 | 1 49 | 24 20 | 0 46 | 16 14 | 0 11 | 12 26 | 1 53 | 33 37 | 9 42 | 21 11 | 20 55 | 26 38 | | | n.a. |
| S 15 | 19 33 | 4s51 | 3 28 | 19 3 | 1 13 | 23 7 | 0 42 | 18 36 | 0 7 | 18 11 | 1 49 | 24 19 | 0 46 | 16 14 | 0 11 | 12 25 | 1 53 | 33 37 | 9 42 | 21 10 | 20 54 | 26 39 | | | n.a. |
| M16 | 19 18 | 10 18 | 2 34 | 18 29 | 1 8 | 23 13 | 0 38 | 18 46 | 0 6 | 18 14 | 1 50 | 24 19 | 0 46 | 16 15 | 0 11 | 12 24 | 1 53 | 33 37 | 9 43 | 21 10 | 20 53 | 26 39 | | | n.a. |
| T 17 | 19 3 | 15 13 | 1 34 | 17 54 | 1 2 | 23 19 | 0 35 | 18 55 | 0 5 | 18 16 | 1 50 | 24 18 | 0 46 | 16 15 | 0 11 | 12 24 | 1 53 | 33 37 | 9 43 | 21 10 | 20 53 | 26 40 | | | n.a. |
| W18 | 18 48 | 19 26 | 0 31 | 17 18 | 0 56 | 23 24 | 0 31 | 19 5 | 0 4 | 18 19 | 1 50 | 24 18 | 0 46 | 16 16 | 0 11 | 12 23 | 1 53 | 33 37 | 9 43 | 21 10 | 20 52 | 26 40 | | | n.a. |
| T 19 | 18 33 | 22 48 | 0s33 | 16 42 | 0 51 | 23 28 | 0 27 | 19 14 | 0 3 | 18 21 | 1 50 | 24 17 | 0 47 | 16 16 | 0 11 | 12 22 | 1 53 | 33 38 | 9 43 | 21 10 | 20 51 | 26 41 | | | n.a. |
| F 20 | 18 17 | 25 10 | 1 34 | 16 5 | 0 45 | 23 32 | 0 24 | 19 23 | 0 3 | 18 24 | 1 50 | 24 17 | 0 47 | 16 16 | 0 11 | 12 21 | 1 53 | 33 38 | 9 43 | 21 10 | 20 51 | 26 41 | | | n.a. |
| S 21 | 18 0 | 26 25 | 2 31 | 15 28 | 0 38 | 23 35 | 0 20 | 19 32 | 0 2 | 18 26 | 1 50 | 24 16 | 0 47 | 16 16 | 0 11 | 12 20 | 1 53 | 33 38 | 9 44 | 21 9 | 20 50 | 26 42 | | | n.a. |
| S 22 | 17 44 | 26 28 | 3 22 | 14 50 | 0 32 | 23 37 | 0 16 | 19 40 | 0 0 | 18 29 | 1 50 | 24 16 | 0 47 | 16 17 | 0 11 | 12 20 | 1 53 | 33 38 | 9 44 | 21 8 | 20 49 | 26 42 | | | n.a. |
| M23 | 17 27 | 25 17 | 4 4 | 14 12 | 0 26 | 23 39 | 0 13 | 19 49 | 0n 1 | 18 31 | 1 50 | 24 16 | 0 47 | 16 17 | 0 11 | 12 19 | 1 53 | 33 38 | 9 44 | 21 6 | 20 49 | 26 43 | | | n.a. |
| T 24 | 17 10 | 22 55 | 4 36 | 13 33 | 0 19 | 23 40 | 0 9 | 19 58 | 0 2 | 18 34 | 1 50 | 24 15 | 0 47 | 16 17 | 0 11 | 12 18 | 1 53 | 33 39 | 9 44 | 21 4 | 20 48 | 26 43 | | | n.a. |
| W25 | 16 52 | 19 30 | 4 55 | 12 54 | 0 12 | 23 40 | 0 6 | 20 6 | 0 3 | 18 36 | 1 50 | 24 15 | 0 47 | 16 17 | 0 11 | 12 17 | 1 53 | 33 39 | 9 45 | 21 1 | 20 47 | 26 44 | | | n.a. |
| T 26 | 16 35 | 15 12 | 5 1 | 12 15 | 0 6 | 23 39 | 0 2 | 20 14 | 0 4 | 18 39 | 1 50 | 24 14 | 0 47 | 16 18 | 0 11 | 12 16 | 1 53 | 33 39 | 9 45 | 20 58 | 20 47 | 26 44 | | | n.a. |
| F 27 | 16 17 | 10 12 | 4 52 | 11 35 | 0s 1 | 23 38 | 0n 1 | 20 22 | 0 5 | 18 41 | 1 50 | 24 14 | 0 48 | 16 18 | 0 11 | 12 16 | 1 53 | 33 39 | 9 45 | 20 56 | 20 46 | 26 44 | | | n.a. |
| S 28 | 15 58 | 4 43 | 4 29 | 10 55 | 0 8 | 23 36 | 0 5 | 20 30 | 0 6 | 18 43 | 1 50 | 24 13 | 0 48 | 16 18 | 0 11 | 12 15 | 1 53 | 33 40 | 9 46 | 20 54 | 20 45 | 26 45 | | | n.a. |
| S 29 | 15 40 | 1n 4 | 3 52 | 10 15 | 0 15 | 23 33 | 0 8 | 20 38 | 0 7 | 18 46 | 1 50 | 24 13 | 0 48 | 16 18 | 0 11 | 12 14 | 1 53 | 33 40 | 9 46 | 20 52 | 20 45 | 26 45 | | | n.a. |
| M30 | 15 21 | 6 54 | 3 1 | 9 35 | 0 22 | 23 30 | 0 12 | 20 46 | 0 8 | 18 48 | 1 50 | 24 13 | 0 48 | 16 18 | 0 11 | 12 13 | 1 53 | 33 40 | 9 46 | 20 51 | 20 44 | 26 46 | | | n.a. |
| T 31 | 15n 2 | 12n32 | 2s 0 | 8n55 | 0s29 | 23n26 | 0n15 | 20n54 | 0n 9 | 18s51 | 1s50 | 24n12 | 0n48 | 16n18 | 0s11 | 12n12 | 1n53 | 33n40 | 9n46 | 20n51 | 20n43 | 26s46 | | | n.a. |

Julian Day Number = 991135.5, Delta T = 13h02m20s
Ecliptic obliquity = 23°55'31, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'19, Lahiri = -31°31'19 Julian Calendar 1 Aug. 2000 BCE == Greg. Calendar 15 July 2000 BCE

The year -1999 astronomical counting style corresponds to year 2000 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## SEPTEMBER 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 32 59 | 21♌15'14 | 21♉34 | 7♍51 | 15♋ 4 | 1♊22 | 13°R27 | 11♋45 | 14♉23 | 3♍27 | 2♋28 | 1°D20 | 0♊41 | 6♑26 | n.a. | W 1 |
| T 2 | 21 36 55 | 22°15'01 | 5♊29 | 9°20 | 16°16 | 1°53 | 13♒19 | 11°51 | 14°23 | 3°29 | 2°29 | 1°R20 | 0°38 | 6°32 | n.a. | T 2 |
| F 3 | 21 40 52 | 23°14'52 | 19°42 | 10°48 | 17°28 | 2°23 | 13°11 | 11°57 | 14°23 | 3°31 | 2°31 | 1♊19 | 0°35 | 6°39 | n.a. | F 3 |
| S 4 | 21 44 49 | 24°14'45 | 4♋11 | 12°15 | 18°41 | 2°53 | 13° 3 | 12° 3 | 14°23 | 3°34 | 2°32 | 1°16 | 0°32 | 6°46 | n.a. | S 4 |
| S 5 | 21 48 45 | 25°14'40 | 18°53 | 13°42 | 19°53 | 3°23 | 12°56 | 12°10 | 14°23 | 3°36 | 2°33 | 1°10 | 0°29 | 6°52 | n.a. | S 5 |
| M 6 | 21 52 42 | 26°14'38 | 3♌43 | 15° 8 | 21° 6 | 3°52 | 12°48 | 12°16 | 14°23 | 3°38 | 2°35 | 1° 2 | 0°25 | 6°59 | n.a. | M 6 |
| T 7 | 21 56 38 | 27°14'38 | 18°33 | 16°33 | 22°19 | 4°22 | 12°40 | 12°22 | 14°R23 | 3°40 | 2°36 | 0°51 | 0°22 | 7° 6 | n.a. | T 7 |
| W 8 | 22 0 35 | 28°14'40 | 3♍14 | 17°57 | 23°32 | 4°51 | 12°33 | 12°28 | 14°23 | 3°43 | 2°37 | 0°39 | 0°19 | 7°13 | n.a. | W 8 |
| T 9 | 22 4 31 | 29°14'44 | 17°37 | 19°20 | 24°45 | 5°19 | 12°25 | 12°34 | 14°23 | 3°45 | 2°39 | 0°27 | 0°16 | 7°19 | n.a. | T 9 |
| F 10 | 22 8 28 | 0♍14'49 | 1♎37 | 20°43 | 25°58 | 5°48 | 12°18 | 12°40 | 14°23 | 3°47 | 2°40 | 0°16 | 0°13 | 7°26 | n.a. | F 10 |
| S 11 | 22 12 24 | 1°14'57 | 15°11 | 22° 4 | 27°11 | 6°17 | 12°11 | 12°46 | 14°23 | 3°49 | 2°41 | 0° 8 | 0°10 | 7°33 | n.a. | S 11 |
| S 12 | 22 16 21 | 2°15'07 | 28°18 | 23°25 | 28°24 | 6°45 | 12° 4 | 12°51 | 14°23 | 3°52 | 2°42 | 0° 3 | 0° 6 | 7°39 | n.a. | S 12 |
| M13 | 22 20 17 | 3°15'18 | 11♏ 0 | 24°44 | 29°38 | 7°13 | 11°57 | 12°57 | 14°22 | 3°54 | 2°43 | 29♉59 | 0° 3 | 7°46 | n.a. | M13 |
| T 14 | 22 24 14 | 4°15'31 | 23°20 | 26° 2 | 0♌51 | 7°40 | 11°50 | 13° 3 | 14°22 | 3°56 | 2°44 | 29°59 | 0° 0 | 7°53 | n.a. | T 14 |
| W15 | 22 28 11 | 5°15'46 | 5♐25 | 27°19 | 2° 4 | 8° 8 | 11°43 | 13° 8 | 14°22 | 3°58 | 2°45 | 29°59 | 29♉57 | 7°59 | n.a. | W15 |
| T 16 | 22 32 7 | 6°16'03 | 17°19 | 28°34 | 3°18 | 8°35 | 11°36 | 13°14 | 14°21 | 4° 1 | 2°46 | 29°58 | 29°54 | 8° 6 | n.a. | T 16 |
| F 17 | 22 36 4 | 7°16'21 | 29° 8 | 29°48 | 4°31 | 9° 2 | 11°30 | 13°19 | 14°21 | 4° 3 | 2°47 | 29°57 | 29°51 | 8°13 | n.a. | F 17 |
| S 18 | 22 40 0 | 8°16'41 | 10♑57 | 1♎ 0 | 5°45 | 9°29 | 11°23 | 13°24 | 14°20 | 4° 5 | 2°48 | 29°53 | 29°47 | 8°19 | n.a. | S 18 |
| S 19 | 22 43 57 | 9°17'03 | 22°50 | 2°11 | 6°59 | 9°55 | 11°17 | 13°30 | 14°19 | 4° 7 | 2°49 | 29°46 | 29°44 | 8°26 | n.a. | S 19 |
| M20 | 22 47 53 | 10°17'26 | 4♒53 | 3°19 | 8°13 | 10°21 | 11°11 | 13°35 | 14°19 | 4°10 | 2°50 | 29°36 | 29°41 | 8°33 | n.a. | M20 |
| T 21 | 22 51 50 | 11°17'51 | 17° 6 | 4°24 | 9°26 | 10°47 | 11° 5 | 13°40 | 14°18 | 4°12 | 2°51 | 29°24 | 29°38 | 8°39 | n.a. | T 21 |
| W22 | 22 55 46 | 12°18'18 | 29°33 | 5°28 | 10°40 | 11°12 | 10°59 | 13°45 | 14°17 | 4°14 | 2°52 | 29°11 | 29°35 | 8°46 | n.a. | W22 |
| T 23 | 22 59 43 | 13°18'46 | 12♓13 | 6°28 | 11°54 | 11°38 | 10°53 | 13°50 | 14°16 | 4°16 | 2°53 | 28°58 | 29°31 | 8°53 | n.a. | T 23 |
| F 24 | 23 3 40 | 14°19'16 | 25° 6 | 7°25 | 13° 8 | 12° 3 | 10°48 | 13°55 | 14°15 | 4°18 | 2°54 | 28°45 | 29°28 | 8°59 | n.a. | F 24 |
| S 25 | 23 7 36 | 15°19'48 | 8♈11 | 8°18 | 14°23 | 12°27 | 10°42 | 14° 0 | 14°14 | 4°21 | 2°55 | 28°34 | 29°25 | 9° 6 | n.a. | S 25 |
| S 26 | 23 11 33 | 16°20'22 | 21°27 | 9° 7 | 15°37 | 12°52 | 10°37 | 14° 5 | 14°13 | 4°23 | 2°55 | 28°27 | 29°22 | 9°13 | n.a. | S 26 |
| M27 | 23 15 29 | 17°20'58 | 4♉54 | 9°52 | 16°51 | 13°16 | 10°32 | 14° 9 | 14°12 | 4°25 | 2°56 | 28°22 | 29°19 | 9°19 | n.a. | M27 |
| T 28 | 23 19 26 | 18°21'36 | 18°29 | 10°31 | 18° 5 | 13°39 | 10°27 | 14°14 | 14°11 | 4°27 | 2°57 | 28°20 | 29°16 | 9°26 | n.a. | T 28 |
| W29 | 23 23 22 | 19°22'15 | 2♊14 | 11° 4 | 19°20 | 14° 3 | 10°23 | 14°18 | 14°10 | 4°29 | 2°58 | 28°D19 | 29°12 | 9°33 | n.a. | W29 |
| T 30 | 23 27 19 | 20♍22'57 | 16♊ 9 | 11♎31 | 20♌34 | 14♊26 | 10♒18 | 14♋23 | 14♉ 9 | 4♍32 | 2♋58 | 28°R20 | 29♉ 9 | 9♑39 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14n42 | 17n42 | 0s51 | 8n14 | 0s36 | 23n21 | 0n18 | 21n 1 | 0n10 | 18s53 | 1s50 | 24n12 | 0n48 | 16n18 | 0s11 | 12n11 | 1n53 | 33n41 | 9n47 | 20n51 | 20n43 | 26s46 | | n.a. |
| T 2 | 14 23 | 22 1 | 0n22 | 7 34 | 0 43 | 23 16 | 0 21 | 21 9 | 0 11 | 18 55 | 1 50 | 24 11 | 0 48 | 16 18 | 0 11 | 12 11 | 1 53 | 33 41 | 9 47 | 20 51 | 20 42 | 26 47 | | n.a. |
| F 3 | 14 3 | 25 6 | 1 35 | 6 54 | 0 50 | 23 10 | 0 25 | 21 16 | 0 13 | 18 57 | 1 50 | 24 11 | 0 48 | 16 19 | 0 11 | 12 10 | 1 53 | 33 41 | 9 47 | 20 50 | 20 41 | 26 47 | | n.a. |
| S 4 | 13 42 | 26 36 | 2 44 | 6 13 | 0 57 | 23 3 | 0 28 | 21 23 | 0 14 | 19 0 | 1 50 | 24 10 | 0 49 | 16 19 | 0 11 | 12 9 | 1 53 | 33 41 | 9 48 | 20 50 | 20 41 | 26 47 | | n.a. |
| S 5 | 13 22 | 26 14 | 3 43 | 5 33 | 1 4 | 22 56 | 0 31 | 21 30 | 0 15 | 19 2 | 1 50 | 24 10 | 0 49 | 16 19 | 0 11 | 12 8 | 1 53 | 33 42 | 9 48 | 20 49 | 20 40 | 26 48 | | n.a. |
| M 6 | 13 1 | 24 2 | 4 27 | 4 53 | 1 11 | 22 47 | 0 34 | 21 37 | 0 16 | 19 4 | 1 50 | 24 9 | 0 49 | 16 19 | 0 11 | 12 7 | 1 53 | 33 42 | 9 48 | 20 47 | 20 39 | 26 48 | | n.a. |
| T 7 | 12 41 | 20 12 | 4 53 | 4 13 | 1 18 | 22 38 | 0 37 | 21 44 | 0 17 | 19 6 | 1 50 | 24 9 | 0 49 | 16 19 | 0 11 | 12 6 | 1 53 | 33 42 | 9 48 | 20 45 | 20 39 | 26 48 | | n.a. |
| W 8 | 12 19 | 15 10 | 5 0 | 3 34 | 1 25 | 22 29 | 0 40 | 21 50 | 0 18 | 19 8 | 1 50 | 24 9 | 0 49 | 16 19 | 0 11 | 12 6 | 1 53 | 33 43 | 9 49 | 20 42 | 20 38 | 26 49 | | n.a. |
| T 9 | 11 58 | 9 22 | 4 47 | 2 54 | 1 31 | 22 18 | 0 43 | 21 57 | 0 20 | 19 10 | 1 50 | 24 8 | 0 49 | 16 19 | 0 11 | 12 5 | 1 53 | 33 43 | 9 49 | 20 39 | 20 37 | 26 49 | | n.a. |
| F 10 | 11 37 | 3 15 | 4 17 | 2 15 | 1 38 | 22 7 | 0 45 | 22 3 | 0 21 | 19 12 | 1 50 | 24 8 | 0 49 | 16 19 | 0 11 | 12 4 | 1 53 | 33 43 | 9 49 | 20 37 | 20 36 | 26 49 | | n.a. |
| S 11 | 11 15 | 2s50 | 3 33 | 1 37 | 1 44 | 21 56 | 0 48 | 22 9 | 0 22 | 19 14 | 1 50 | 24 7 | 0 50 | 16 19 | 0 11 | 12 3 | 1 53 | 33 43 | 9 50 | 20 35 | 20 36 | 26 50 | | n.a. |
| S 12 | 10 53 | 8 37 | 2 39 | 0 59 | 1 51 | 21 44 | 0 51 | 22 16 | 0 23 | 19 16 | 1 50 | 24 7 | 0 50 | 16 18 | 0 11 | 12 2 | 1 53 | 33 44 | 9 50 | 20 34 | 20 35 | 26 50 | | n.a. |
| M13 | 10 31 | 13 52 | 1 39 | 0 21 | 1 57 | 21 31 | 0 53 | 22 22 | 0 25 | 19 18 | 1 49 | 24 6 | 0 50 | 16 18 | 0 11 | 12 2 | 1 53 | 33 44 | 9 50 | 20 34 | 20 34 | 26 50 | | n.a. |
| T 14 | 10 9 | 18 25 | 0 35 | 0s16 | 2 3 | 21 17 | 0 56 | 22 28 | 0 26 | 19 20 | 1 49 | 24 6 | 0 50 | 16 18 | 0 11 | 12 1 | 1 53 | 33 44 | 9 51 | 20 33 | 20 34 | 26 51 | | n.a. |
| W15 | 9 46 | 22 7 | 0s29 | 0 52 | 2 9 | 21 3 | 0 58 | 22 33 | 0 27 | 19 22 | 1 49 | 24 6 | 0 50 | 16 18 | 0 11 | 12 0 | 1 53 | 33 45 | 9 51 | 20 33 | 20 33 | 26 51 | | n.a. |
| T 16 | 9 24 | 24 48 | 1 30 | 1 28 | 2 14 | 20 48 | 1 1 | 22 39 | 0 29 | 19 24 | 1 49 | 24 5 | 0 50 | 16 18 | 0 11 | 11 59 | 1 53 | 33 45 | 9 51 | 20 33 | 20 32 | 26 51 | | n.a. |
| F 17 | 9 1 | 26 23 | 2 28 | 2 3 | 2 20 | 20 32 | 1 3 | 22 45 | 0 30 | 19 26 | 1 49 | 24 5 | 0 50 | 16 18 | 0 11 | 11 58 | 1 53 | 33 45 | 9 52 | 20 33 | 20 32 | 26 51 | | n.a. |
| S 18 | 8 38 | 26 46 | 3 19 | 2 37 | 2 25 | 20 16 | 1 5 | 22 50 | 0 31 | 19 27 | 1 49 | 24 4 | 0 51 | 16 18 | 0 11 | 11 57 | 1 53 | 33 46 | 9 52 | 20 32 | 20 31 | 26 52 | | n.a. |
| S 19 | 8 15 | 25 54 | 4 1 | 3 9 | 2 29 | 19 59 | 1 7 | 22 56 | 0 33 | 19 29 | 1 49 | 24 4 | 0 51 | 16 17 | 0 11 | 11 57 | 1 53 | 33 46 | 9 52 | 20 31 | 20 30 | 26 52 | | n.a. |
| M20 | 7 52 | 23 51 | 4 33 | 3 41 | 2 33 | 19 42 | 1 10 | 23 1 | 0 34 | 19 30 | 1 48 | 24 4 | 0 51 | 16 17 | 0 11 | 11 56 | 1 53 | 33 46 | 9 53 | 20 29 | 20 30 | 26 52 | | n.a. |
| T 21 | 7 28 | 20 40 | 4 54 | 4 11 | 2 37 | 19 24 | 1 12 | 23 6 | 0 36 | 19 32 | 1 48 | 24 3 | 0 51 | 16 17 | 0 11 | 11 55 | 1 53 | 33 46 | 9 53 | 20 26 | 20 29 | 26 52 | | n.a. |
| W22 | 7 5 | 16 32 | 5 0 | 4 40 | 2 41 | 19 6 | 1 14 | 23 11 | 0 37 | 19 33 | 1 48 | 24 3 | 0 51 | 16 17 | 0 11 | 11 54 | 1 53 | 33 47 | 9 53 | 20 23 | 20 28 | 26 53 | | n.a. |
| T 23 | 6 41 | 11 36 | 4 53 | 5 7 | 2 44 | 18 46 | 1 16 | 23 16 | 0 38 | 19 35 | 1 48 | 24 3 | 0 51 | 16 17 | 0 11 | 11 53 | 1 53 | 33 47 | 9 54 | 20 20 | 20 27 | 26 53 | | n.a. |
| F 24 | 6 18 | 6 6 | 4 30 | 5 32 | 2 46 | 18 27 | 1 17 | 23 21 | 0 40 | 19 36 | 1 48 | 24 2 | 0 52 | 16 16 | 0 11 | 11 52 | 1 53 | 33 47 | 9 54 | 20 17 | 20 27 | 26 53 | | n.a. |
| S 25 | 5 54 | 0 14 | 3 53 | 5 55 | 2 48 | 18 7 | 1 19 | 23 26 | 0 41 | 19 38 | 1 48 | 24 2 | 0 52 | 16 16 | 0 11 | 11 52 | 1 53 | 33 48 | 9 54 | 20 15 | 20 26 | 26 53 | | n.a. |
| S 26 | 5 30 | 5n43 | 3 2 | 6 16 | 2 49 | 17 46 | 1 21 | 23 31 | 0 43 | 19 39 | 1 47 | 24 1 | 0 52 | 16 16 | 0 11 | 11 51 | 1 53 | 33 48 | 9 55 | 20 13 | 20 25 | 26 54 | | n.a. |
| M27 | 5 6 | 11 31 | 2 1 | 6 34 | 2 49 | 17 25 | 1 22 | 23 35 | 0 44 | 19 40 | 1 47 | 24 1 | 0 52 | 16 15 | 0 11 | 11 50 | 1 53 | 33 48 | 9 55 | 20 12 | 20 25 | 26 54 | | n.a. |
| T 28 | 4 42 | 16 51 | 0 52 | 6 49 | 2 48 | 17 3 | 1 24 | 23 40 | 0 46 | 19 41 | 1 47 | 24 1 | 0 52 | 16 15 | 0 11 | 11 49 | 1 53 | 33 49 | 9 55 | 20 11 | 20 24 | 26 54 | | n.a. |
| W29 | 4 17 | 21 22 | 0n21 | 7 1 | 2 47 | 16 41 | 1 25 | 23 44 | 0 48 | 19 42 | 1 47 | 24 0 | 0 52 | 16 15 | 0 11 | 11 48 | 1 53 | 33 49 | 9 56 | 20 11 | 20 23 | 26 54 | | n.a. |
| T 30 | 3n53 | 24n44 | 1n33 | 7s 9 | 2s44 | 16n18 | 1n27 | 23n49 | 0n49 | 19s43 | 1s46 | 24n 0 | 0n53 | 16n14 | 0s11 | 11n48 | 1n53 | 33n49 | 9n56 | 20n11 | 20n23 | 26s54 | | n.a. |

Julian Day Number = 991166.5, Delta T = 13h02m18s
Ecliptic obliquity = 23°55'32, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'15, Lahiri = -31°31'14 Julian Calendar 1 Sept. 2000 BCE == Greg. Calendar 15 Aug. 2000 BCE


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## OCTOBER 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 31 15 | 21♍23'41 | 0♋13 | 11♎51 | 21♌48 | 14♊49 | 10°R14 | 14♋27 | 14°R 8 | 4♍34 | 2♋59 | 28°R19 | 29♉ 6 | 9♉46 | n.a. | F 1 |
| S 2 | 23 35 12 | 22°24'26 | 14°25 | 12° 3 | 23° 3 | 15°11 | 10♒10 | 14°31 | 14♉ 6 | 4°36 | 3° 0 | 28♉17 | 29° 3 | 9°53 | n.a. | S 2 |
| S 3 | 23 39 8 | 23°25'14 | 28°45 | 12°R 7 | 24°17 | 15°33 | 10° 6 | 14°36 | 14° 5 | 4°38 | 3° 0 | 28°13 | 29° 0 | 9°59 | n.a. | S 3 |
| M 4 | 23 43 5 | 24°26'03 | 13♌ 9 | 12° 1 | 25°32 | 15°55 | 10° 2 | 14°40 | 14° 4 | 4°40 | 3° 1 | 28° 6 | 28°56 | 10° 6 | n.a. | M 4 |
| T 5 | 23 47 2 | 25°26'54 | 27°31 | 11°45 | 26°47 | 16°16 | 9°58 | 14°44 | 14° 2 | 4°42 | 3° 1 | 27°57 | 28°53 | 10°13 | n.a. | T 5 |
| W 6 | 23 50 58 | 26°27'46 | 11♍47 | 11°19 | 28° 1 | 16°37 | 9°55 | 14°48 | 14° 1 | 4°45 | 3° 2 | 27°46 | 28°50 | 10°19 | n.a. | W 6 |
| T 7 | 23 54 55 | 27°28'40 | 25°51 | 10°42 | 29°16 | 16°57 | 9°52 | 14°52 | 13°59 | 4°47 | 3° 2 | 27°36 | 28°47 | 10°26 | n.a. | T 7 |
| F 8 | 23 58 51 | 28°29'35 | 9♎37 | 9°54 | 0♍31 | 17°17 | 9°49 | 14°55 | 13°58 | 4°49 | 3° 3 | 27°26 | 28°44 | 10°33 | n.a. | F 8 |
| S 9 | 0 2 48 | 29°30'32 | 23° 2 | 8°57 | 1°46 | 17°37 | 9°46 | 14°59 | 13°56 | 4°51 | 3° 3 | 27°19 | 28°41 | 10°40 | n.a. | S 9 |
| S 10 | 0 6 44 | 0♎31'30 | 6♏ 5 | 7°51 | 3° 0 | 17°56 | 9°43 | 15° 2 | 13°55 | 4°53 | 3° 3 | 27°14 | 28°37 | 10°46 | n.a. | S 10 |
| M11 | 0 10 41 | 1°32'29 | 18°46 | 6°37 | 4°15 | 18°15 | 9°41 | 15° 6 | 13°53 | 4°55 | 3° 4 | 27°12 | 28°34 | 10°53 | n.a. | M11 |
| T 12 | 0 14 37 | 2°33'29 | 1♐ 8 | 5°18 | 5°30 | 18°33 | 9°39 | 15° 9 | 13°51 | 4°57 | 3° 4 | 27°D12 | 28°31 | 11° 0 | n.a. | T 12 |
| W13 | 0 18 34 | 3°34'30 | 13°14 | 3°57 | 6°45 | 18°51 | 9°37 | 15°13 | 13°49 | 4°59 | 3° 4 | 27°13 | 28°28 | 11° 6 | n.a. | W13 |
| T 14 | 0 22 31 | 4°35'32 | 25° 9 | 2°35 | 8° 0 | 19° 9 | 9°35 | 15°16 | 13°48 | 5° 1 | 3° 5 | 27°14 | 28°25 | 11°13 | n.a. | T 14 |
| F 15 | 0 26 27 | 5°36'35 | 7♑ 0 | 1°15 | 9°15 | 19°26 | 9°33 | 15°19 | 13°46 | 5° 3 | 3° 5 | 27°R14 | 28°22 | 11°20 | n.a. | F 15 |
| S 16 | 0 30 24 | 6°37'39 | 18°50 | 0° 1 | 10°30 | 19°42 | 9°32 | 15°22 | 13°44 | 5° 5 | 3° 5 | 27°13 | 28°18 | 11°26 | n.a. | S 16 |
| S 17 | 0 34 20 | 7°38'43 | 0♒45 | 28♍54 | 11°45 | 19°58 | 9°31 | 15°25 | 13°42 | 5° 7 | 3° 5 | 27°10 | 28°15 | 11°33 | n.a. | S 17 |
| M18 | 0 38 17 | 8°39'49 | 12°50 | 27°57 | 13° 0 | 20°14 | 9°30 | 15°27 | 13°40 | 5° 9 | 3° 5 | 27° 5 | 28°12 | 11°40 | n.a. | M18 |
| T 19 | 0 42 13 | 9°40'55 | 25° 8 | 27°10 | 14°15 | 20°29 | 9°29 | 15°30 | 13°38 | 5°11 | 3° 5 | 26°58 | 28° 9 | 11°46 | n.a. | T 19 |
| W20 | 0 46 10 | 10°42'02 | 7♓43 | 26°34 | 15°30 | 20°43 | 9°29 | 15°33 | 13°36 | 5°13 | 3° 5 | 26°50 | 28° 6 | 11°53 | n.a. | W20 |
| T 21 | 0 50 6 | 11°43'10 | 20°36 | 26°10 | 16°46 | 20°57 | 9°28 | 15°35 | 13°34 | 5°15 | 3° 6 | 26°41 | 28° 2 | 12° 0 | n.a. | T 21 |
| F 22 | 0 54 3 | 12°44'19 | 3♈46 | 25°58 | 18° 1 | 21°11 | 9°D28 | 15°37 | 13°32 | 5°17 | 3°R 6 | 26°33 | 27°59 | 12° 6 | n.a. | F 22 |
| S 23 | 0 58 0 | 13°45'28 | 17°14 | 25°D56 | 19°16 | 21°24 | 9°28 | 15°40 | 13°30 | 5°19 | 3° 5 | 26°27 | 27°56 | 12°13 | n.a. | S 23 |
| S 24 | 1 1 56 | 14°46'38 | 0♉55 | 26° 4 | 20°31 | 21°36 | 9°29 | 15°42 | 13°27 | 5°20 | 3° 5 | 26°22 | 27°53 | 12°20 | n.a. | S 24 |
| M25 | 1 5 53 | 15°47'49 | 14°48 | 26°22 | 21°46 | 21°48 | 9°29 | 15°44 | 13°25 | 5°22 | 3° 5 | 26°19 | 27°50 | 12°26 | n.a. | M25 |
| T 26 | 1 9 49 | 16°49'02 | 28°49 | 26°48 | 23° 1 | 21°59 | 9°30 | 15°46 | 13°23 | 5°24 | 3° 5 | 26°D19 | 27°47 | 12°33 | n.a. | T 26 |
| W27 | 1 13 46 | 17°50'15 | 12♊55 | 27°22 | 24°17 | 22°10 | 9°31 | 15°48 | 13°21 | 5°26 | 3° 5 | 26°20 | 27°43 | 12°40 | n.a. | W27 |
| T 28 | 1 17 42 | 18°51'29 | 27° 4 | 28° 3 | 25°32 | 22°20 | 9°32 | 15°49 | 13°19 | 5°28 | 3° 5 | 26°21 | 27°40 | 12°46 | n.a. | T 28 |
| F 29 | 1 21 39 | 19°52'44 | 11♋13 | 28°50 | 26°47 | 22°29 | 9°33 | 15°51 | 13°16 | 5°29 | 3° 5 | 26°22 | 27°37 | 12°53 | n.a. | F 29 |
| S 30 | 1 25 36 | 20°54'00 | 25°22 | 29°43 | 28° 3 | 22°38 | 9°35 | 15°53 | 13°14 | 5°31 | 3° 5 | 26°R22 | 27°34 | 13° 0 | n.a. | S 30 |
| S 31 | 1 29 32 | 21♎55'17 | 9♌28 | 0♎40 | 29♍18 | 22♊46 | 9♒36 | 15♋54 | 13♉12 | 5♍33 | 3♋ 4 | 26♉21 | 27♉31 | 13♑ 7 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3n29 | 26n37 | 2n41 | 7s14 | 2s40 | 15n55 | 1n28 | 23n53 | 0n51 | 19s44 | 1s46 | 24n 0 | 0n53 | 16n14 | 0s11 | 11n47 | 1n53 | 33n50 | 9n57 | 20n11 | 20n22 | 26s54 | | n.a. |
| S 2 | 3 4 | 26 46 | 3 39 | 7 14 | 2 35 | 15 31 | 1 29 | 23 57 | 0 52 | 19 45 | 1 46 | 24 0 | 0 53 | 16 14 | 0 11 | 11 46 | 1 53 | 33 50 | 9 57 | 20 11 | 20 21 | 26 55 | | n.a. |
| S 3 | 2 40 | 25 8 | 4 25 | 7 9 | 2 28 | 15 7 | 1 31 | 24 1 | 0 54 | 19 46 | 1 46 | 23 59 | 0 53 | 16 13 | 0 11 | 11 45 | 1 53 | 33 51 | 9 57 | 20 10 | 20 20 | 26 55 | | n.a. |
| M 4 | 2 15 | 21 53 | 4 53 | 6 59 | 2 20 | 14 42 | 1 32 | 24 5 | 0 56 | 19 47 | 1 46 | 23 59 | 0 53 | 16 13 | 0 11 | 11 44 | 1 53 | 33 51 | 9 58 | 20 8 | 20 20 | 26 55 | | n.a. |
| T 5 | 1 51 | 17 18 | 5 3 | 6 44 | 2 10 | 14 17 | 1 33 | 24 9 | 0 57 | 19 48 | 1 45 | 23 59 | 0 53 | 16 12 | 0 11 | 11 44 | 1 53 | 33 51 | 9 58 | 20 6 | 20 19 | 26 55 | | n.a. |
| W 6 | 1 26 | 11 48 | 4 54 | 6 22 | 1 59 | 13 52 | 1 34 | 24 13 | 0 59 | 19 48 | 1 45 | 23 58 | 0 54 | 16 12 | 0 11 | 11 43 | 1 53 | 33 52 | 9 58 | 20 4 | 20 18 | 26 55 | | n.a. |
| T 7 | 1 1 | 5 46 | 4 28 | 5 55 | 1 45 | 13 26 | 1 34 | 24 17 | 1 1 | 19 49 | 1 45 | 23 58 | 0 54 | 16 11 | 0 11 | 11 42 | 1 53 | 33 52 | 9 59 | 20 1 | 20 18 | 26 55 | | n.a. |
| F 8 | 0 37 | 0s26 | 3 46 | 5 23 | 1 30 | 13 0 | 1 35 | 24 20 | 1 2 | 19 50 | 1 45 | 23 58 | 0 54 | 16 11 | 0 11 | 11 41 | 1 53 | 33 52 | 9 59 | 19 59 | 20 17 | 26 55 | | n.a. |
| S 9 | 0 12 | 6 28 | 2 52 | 4 44 | 1 13 | 12 33 | 1 36 | 24 24 | 1 4 | 19 50 | 1 44 | 23 58 | 0 54 | 16 10 | 0 11 | 11 41 | 1 53 | 33 53 | 9 59 | 19 58 | 20 16 | 26 55 | | n.a. |
| S 10 | 0s13 | 12 5 | 1 51 | 4 1 | 0 55 | 12 6 | 1 36 | 24 28 | 1 6 | 19 51 | 1 44 | 23 57 | 0 54 | 16 10 | 0 11 | 11 40 | 1 53 | 33 53 | 10 0 | 19 56 | 20 15 | 26 55 | | n.a. |
| M11 | 0 37 | 17 2 | 0 45 | 3 13 | 0 36 | 11 39 | 1 37 | 24 31 | 1 8 | 19 51 | 1 44 | 23 57 | 0 54 | 16 9 | 0 11 | 11 39 | 1 53 | 33 53 | 10 0 | 19 56 | 20 15 | 26 56 | | n.a. |
| T 12 | 1 2 | 21 9 | 0s21 | 2 23 | 0 15 | 11 11 | 1 37 | 24 35 | 1 10 | 19 51 | 1 43 | 23 57 | 0 55 | 16 9 | 0 11 | 11 38 | 1 53 | 33 54 | 10 1 | 19 56 | 20 14 | 26 56 | | n.a. |
| W13 | 1 27 | 24 15 | 1 25 | 1 31 | 0n 5 | 10 43 | 1 38 | 24 38 | 1 12 | 19 52 | 1 43 | 23 57 | 0 55 | 16 8 | 0 11 | 11 38 | 1 53 | 33 54 | 10 1 | 19 56 | 20 13 | 26 56 | | n.a. |
| T 14 | 1 52 | 26 15 | 2 25 | 0 39 | 0 26 | 10 15 | 1 38 | 24 41 | 1 13 | 19 52 | 1 43 | 23 57 | 0 55 | 16 8 | 0 11 | 11 37 | 1 53 | 33 54 | 10 1 | 19 56 | 20 13 | 26 56 | | n.a. |
| F 15 | 2 16 | 27 1 | 3 17 | 0n11 | 0 46 | 9 46 | 1 38 | 24 45 | 1 15 | 19 52 | 1 43 | 23 56 | 0 55 | 16 7 | 0 11 | 11 36 | 1 54 | 33 55 | 10 2 | 19 56 | 20 12 | 26 56 | | n.a. |
| S 16 | 2 41 | 26 34 | 4 2 | 0 59 | 1 5 | 9 17 | 1 38 | 24 48 | 1 17 | 19 52 | 1 42 | 23 56 | 0 55 | 16 7 | 0 11 | 11 36 | 1 54 | 33 55 | 10 2 | 19 56 | 20 11 | 26 56 | | n.a. |
| S 17 | 3 6 | 24 53 | 4 36 | 1 42 | 1 22 | 8 48 | 1 38 | 24 51 | 1 19 | 19 52 | 1 42 | 23 56 | 0 56 | 16 6 | 0 11 | 11 35 | 1 54 | 33 56 | 10 2 | 19 55 | 20 10 | 26 56 | | n.a. |
| M18 | 3 30 | 22 3 | 4 58 | 2 19 | 1 38 | 8 19 | 1 38 | 24 54 | 1 21 | 19 52 | 1 42 | 23 56 | 0 56 | 16 6 | 0 11 | 11 34 | 1 54 | 33 56 | 10 3 | 19 54 | 20 10 | 26 56 | | n.a. |
| T 19 | 3 55 | 18 13 | 5 7 | 2 51 | 1 52 | 7 49 | 1 38 | 24 58 | 1 23 | 19 52 | 1 42 | 23 56 | 0 56 | 16 5 | 0 11 | 11 33 | 1 54 | 33 56 | 10 3 | 19 53 | 20 9 | 26 56 | | n.a. |
| W20 | 4 19 | 13 30 | 5 2 | 3 16 | 2 4 | 7 20 | 1 38 | 25 1 | 1 25 | 19 52 | 1 41 | 23 56 | 0 56 | 16 4 | 0 11 | 11 33 | 1 54 | 33 57 | 10 4 | 19 51 | 20 8 | 26 56 | | n.a. |
| T 21 | 4 44 | 8 6 | 4 42 | 3 35 | 2 13 | 6 50 | 1 38 | 25 4 | 1 27 | 19 52 | 1 41 | 23 56 | 0 56 | 16 4 | 0 11 | 11 32 | 1 54 | 33 57 | 10 4 | 19 49 | 20 8 | 26 56 | | n.a. |
| F 22 | 5 8 | 2 13 | 4 6 | 3 47 | 2 21 | 6 19 | 1 38 | 25 7 | 1 29 | 19 52 | 1 41 | 23 55 | 0 57 | 16 3 | 0 11 | 11 31 | 1 54 | 33 57 | 10 4 | 19 47 | 20 7 | 26 56 | | n.a. |
| S 23 | 5 32 | 3n54 | 3 16 | 3 54 | 2 27 | 5 49 | 1 37 | 25 10 | 1 32 | 19 51 | 1 40 | 23 55 | 0 57 | 16 2 | 0 11 | 11 31 | 1 54 | 33 58 | 10 5 | 19 45 | 20 6 | 26 56 | | n.a. |
| S 24 | 5 56 | 9 57 | 2 13 | 3 54 | 2 32 | 5 18 | 1 37 | 25 13 | 1 34 | 19 51 | 1 40 | 23 55 | 0 57 | 16 2 | 0 11 | 11 30 | 1 54 | 33 58 | 10 5 | 19 44 | 20 5 | 26 56 | | n.a. |
| M25 | 6 20 | 15 37 | 1 2 | 3 50 | 2 35 | 4 48 | 1 36 | 25 16 | 1 36 | 19 50 | 1 40 | 23 55 | 0 57 | 16 1 | 0 11 | 11 29 | 1 54 | 33 58 | 10 5 | 19 43 | 20 5 | 26 56 | | n.a. |
| T 26 | 6 44 | 20 31 | 0n14 | 3 41 | 2 36 | 4 17 | 1 36 | 25 19 | 1 38 | 19 50 | 1 39 | 23 55 | 0 57 | 16 0 | 0 11 | 11 29 | 1 54 | 33 59 | 10 6 | 19 43 | 20 4 | 26 56 | | n.a. |
| W27 | 7 8 | 24 17 | 1 29 | 3 27 | 2 37 | 3 46 | 1 35 | 25 21 | 1 40 | 19 49 | 1 39 | 23 55 | 0 57 | 16 0 | 0 11 | 11 28 | 1 54 | 33 59 | 10 6 | 19 43 | 20 3 | 26 56 | | n.a. |
| T 28 | 7 32 | 26 33 | 2 40 | 3 10 | 2 36 | 3 15 | 1 34 | 25 24 | 1 43 | 19 49 | 1 39 | 23 55 | 0 58 | 15 59 | 0 11 | 11 28 | 1 54 | 34 0 | 10 6 | 19 44 | 20 2 | 26 56 | | n.a. |
| F 29 | 7 56 | 27 6 | 3 40 | 2 49 | 2 34 | 2 44 | 1 33 | 25 27 | 1 45 | 19 48 | 1 39 | 23 55 | 0 58 | 15 58 | 0 11 | 11 27 | 1 54 | 34 0 | 10 7 | 19 44 | 20 2 | 26 56 | | n.a. |
| S 30 | 8 19 | 25 52 | 4 27 | 2 25 | 2 31 | 2 12 | 1 33 | 25 30 | 1 47 | 19 47 | 1 38 | 23 55 | 0 58 | 15 58 | 0 11 | 11 26 | 1 54 | 34 0 | 10 7 | 19 44 | 20 1 | 26 56 | | n.a. |
| S 31 | 8s42 | 23n 2 | 4n58 | 1n59 | 2n28 | 1n41 | 1n32 | 25n33 | 1n49 | 19s47 | 1s38 | 23n55 | 0n58 | 15n57 | 0s11 | 11n26 | 1n54 | 34n 1 | 10n 8 | 19n44 | 20n 0 | 26s56 | | n.a. |

Julian Day Number = 991196.5, Delta T = 13h02m16s
Ecliptic obliquity = 23°55'32, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'11, Lahiri = -31°31'10 Julian Calendar 1 Oct. 2000 BCE == Greg. Calendar 14 Sept. 2000 BCE

The year -1999 astronomical counting style corresponds to year 2000 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## NOVEMBER 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 33 29 | 22♎56'34 | 23♌29 | 1♎41 | 0♎33 | 22♊54 | 9♒38 | 15♋55 | 13°R 9 | 5♍34 | 3°R 4 | 26°R18 | 27♉28 | 13♂13 | n.a. | M 1 |
| T 2 | 1 37 25 | 23°57'53 | 7♍25 | 2°46 | 1°49 | 23° 0 | 9°41 | 15°57 | 13♉ 7 | 5°36 | 3♋ 4 | 26♉14 | 27°24 | 13°20 | n.a. | T 2 |
| W 3 | 1 41 22 | 24°59'12 | 21°12 | 3°55 | 3° 4 | 23° 6 | 9°43 | 15°58 | 13° 4 | 5°38 | 3° 3 | 26° 9 | 27°21 | 13°27 | n.a. | W 3 |
| T 4 | 1 45 18 | 26° 0'31 | 4♎47 | 5° 6 | 4°19 | 23°12 | 9°45 | 15°59 | 13° 2 | 5°39 | 3° 3 | 26° 4 | 27°18 | 13°33 | n.a. | T 4 |
| F 5 | 1 49 15 | 27° 1'51 | 18° 8 | 6°19 | 5°35 | 23°17 | 9°48 | 15°59 | 12°59 | 5°41 | 3° 3 | 25°59 | 27°15 | 13°40 | n.a. | F 5 |
| S 6 | 1 53 11 | 28° 3'11 | 1♏14 | 7°34 | 6°50 | 23°21 | 9°51 | 16° 0 | 12°57 | 5°42 | 3° 2 | 25°56 | 27°12 | 13°47 | n.a. | S 6 |
| S 7 | 1 57 8 | 29° 4'32 | 14° 4 | 8°52 | 8° 5 | 23°24 | 9°54 | 16° 1 | 12°54 | 5°44 | 3° 2 | 25°54 | 27° 8 | 13°53 | n.a. | S 7 |
| M 8 | 2 1 5 | 0♏ 5'53 | 26°37 | 10°11 | 9°21 | 23°26 | 9°58 | 16° 1 | 12°52 | 5°46 | 3° 1 | 25°D53 | 27° 5 | 14° 0 | n.a. | M 8 |
| T 9 | 2 5 1 | 1° 7'14 | 8♐54 | 11°31 | 10°36 | 23°28 | 10° 1 | 16° 2 | 12°49 | 5°47 | 3° 1 | 25°54 | 27° 2 | 14° 7 | n.a. | T 9 |
| W10 | 2 8 58 | 2° 8'35 | 21° 0 | 12°53 | 11°51 | 23°29 | 10° 5 | 16° 2 | 12°47 | 5°48 | 3° 0 | 25°55 | 26°59 | 14°13 | n.a. | W10 |
| T 11 | 2 12 54 | 3° 9'55 | 2♑56 | 14°16 | 13° 7 | 23°R29 | 10° 9 | 16° 2 | 12°44 | 5°50 | 2°59 | 25°57 | 26°56 | 14°20 | n.a. | T 11 |
| F 12 | 2 16 51 | 4°11'16 | 14°46 | 15°40 | 14°22 | 23°29 | 10°13 | 16°R 2 | 12°42 | 5°51 | 2°59 | 25°59 | 26°53 | 14°27 | n.a. | F 12 |
| S 13 | 2 20 47 | 5°12'37 | 26°36 | 17° 4 | 15°38 | 23°28 | 10°17 | 16° 2 | 12°39 | 5°53 | 2°58 | 26° 0 | 26°49 | 14°33 | n.a. | S 13 |
| S 14 | 2 24 44 | 6°13'57 | 8♒31 | 18°30 | 16°53 | 23°26 | 10°22 | 16° 2 | 12°37 | 5°54 | 2°58 | 26°R 0 | 26°46 | 14°40 | n.a. | S 14 |
| M15 | 2 28 41 | 7°15'17 | 20°35 | 19°56 | 18° 8 | 23°23 | 10°27 | 16° 2 | 12°34 | 5°55 | 2°57 | 25°59 | 26°43 | 14°47 | n.a. | M15 |
| T 16 | 2 32 37 | 8°16'36 | 2♓52 | 21°23 | 19°24 | 23°19 | 10°31 | 16° 2 | 12°32 | 5°57 | 2°56 | 25°58 | 26°40 | 14°54 | n.a. | T 16 |
| W17 | 2 36 34 | 9°17'55 | 15°28 | 22°50 | 20°39 | 23°15 | 10°36 | 16° 1 | 12°29 | 5°58 | 2°55 | 25°56 | 26°37 | 15° 0 | n.a. | W17 |
| T 18 | 2 40 30 | 10°19'13 | 28°24 | 24°19 | 21°54 | 23° 9 | 10°42 | 16° 1 | 12°26 | 5°59 | 2°55 | 25°53 | 26°33 | 15° 7 | n.a. | T 18 |
| F 19 | 2 44 27 | 11°20'32 | 11♈43 | 25°47 | 23°10 | 23° 3 | 10°47 | 16° 0 | 12°24 | 6° 0 | 2°54 | 25°51 | 26°30 | 15°14 | n.a. | F 19 |
| S 20 | 2 48 23 | 12°21'49 | 25°25 | 27°16 | 24°25 | 22°57 | 10°53 | 15°59 | 12°21 | 6° 1 | 2°53 | 25°49 | 26°27 | 15°20 | n.a. | S 20 |
| S 21 | 2 52 20 | 13°23'07 | 9♉27 | 28°46 | 25°40 | 22°49 | 10°59 | 15°58 | 12°19 | 6° 2 | 2°52 | 25°48 | 26°24 | 15°27 | n.a. | S 21 |
| M22 | 2 56 17 | 14°24'24 | 23°46 | 0♏16 | 26°56 | 22°41 | 11° 4 | 15°57 | 12°16 | 6° 4 | 2°51 | 25°D48 | 26°21 | 15°34 | n.a. | M22 |
| T 23 | 3 0 13 | 15°25'40 | 8♊16 | 1°46 | 28°11 | 22°31 | 11°11 | 15°56 | 12°13 | 6° 5 | 2°50 | 25°48 | 26°18 | 15°40 | n.a. | T 23 |
| W24 | 3 4 10 | 16°26'57 | 22°51 | 3°17 | 29°26 | 22°21 | 11°17 | 15°55 | 12°11 | 6° 6 | 2°50 | 25°48 | 26°14 | 15°47 | n.a. | W24 |
| T 25 | 3 8 6 | 17°28'13 | 7♋26 | 4°49 | 0♏42 | 22°10 | 11°23 | 15°54 | 12° 8 | 6° 7 | 2°49 | 25°49 | 26°11 | 15°54 | n.a. | T 25 |
| F 26 | 3 12 3 | 18°29'29 | 21°56 | 6°21 | 1°57 | 21°59 | 11°30 | 15°52 | 12° 6 | 6° 8 | 2°48 | 25°50 | 26° 8 | 16° 0 | n.a. | F 26 |
| S 27 | 3 15 59 | 19°30'45 | 6♌15 | 7°53 | 3°12 | 21°46 | 11°37 | 15°51 | 12° 3 | 6° 9 | 2°47 | 25°50 | 26° 5 | 16° 7 | n.a. | S 27 |
| S 28 | 3 19 56 | 20°32'00 | 20°22 | 9°26 | 4°28 | 21°33 | 11°44 | 15°49 | 12° 0 | 6°10 | 2°46 | 25°R51 | 26° 2 | 16°14 | n.a. | S 28 |
| M29 | 3 23 52 | 21°33'15 | 4♍15 | 10°59 | 5°43 | 21°19 | 11°51 | 15°48 | 11°58 | 6°10 | 2°45 | 25°50 | 25°59 | 16°21 | n.a. | M29 |
| T 30 | 3 27 49 | 22♏34'30 | 17♍53 | 12♏33 | 6♏58 | 21♊ 4 | 11♒58 | 15♋46 | 11♉55 | 6♍11 | 2♋44 | 25♉50 | 25♉55 | 16♂27 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 9s 6 | 18n51 | 5n11 | 1n31 | 2n24 | 1n 9 | 1n31 | 25n35 | 1n52 | 19s46 | 1s38 | 23n55 | 0n58 | 15n56 | 0s11 | 11n25 | 1n54 | 34n 1 | 10n 8 | 19n43 | 19n59 | 26s56 | | n.a. |
| T 2 | 9 29 | 13 40 | 5 6 | 1 0 | 2 20 | 0 38 | 1 30 | 25 38 | 1 54 | 19 45 | 1 37 | 23 55 | 0 59 | 15 55 | 0 11 | 11 25 | 1 54 | 34 1 | 10 8 | 19 42 | 19 59 | 26 55 | | n.a. |
| W 3 | 9 52 | 7 52 | 4 43 | 0 28 | 2 15 | 0 6 | 1 28 | 25 41 | 1 57 | 19 44 | 1 37 | 23 55 | 0 59 | 15 55 | 0 10 | 11 24 | 1 54 | 34 2 | 10 9 | 19 41 | 19 58 | 26 55 | | n.a. |
| T 4 | 10 15 | 1 47 | 4 4 | 0s 6 | 2 9 | 0s25 | 1 27 | 25 44 | 1 59 | 19 43 | 1 37 | 23 55 | 0 59 | 15 54 | 0 10 | 11 23 | 1 54 | 34 2 | 10 9 | 19 40 | 19 57 | 26 55 | | n.a. |
| F 5 | 10 37 | 4s18 | 3 12 | 0 40 | 2 4 | 0 57 | 1 26 | 25 46 | 2 1 | 19 42 | 1 36 | 23 56 | 0 59 | 15 53 | 0 10 | 11 23 | 1 55 | 34 3 | 10 9 | 19 39 | 19 57 | 26 55 | | n.a. |
| S 6 | 11 0 | 10 6 | 2 11 | 1 16 | 1 58 | 1 29 | 1 25 | 25 49 | 2 4 | 19 41 | 1 36 | 23 56 | 0 59 | 15 52 | 0 10 | 11 22 | 1 55 | 34 3 | 10 10 | 19 38 | 19 56 | 26 55 | | n.a. |
| S 7 | 11 22 | 15 21 | 1 4 | 1 53 | 1 51 | 2 0 | 1 23 | 25 52 | 2 6 | 19 40 | 1 36 | 23 56 | 1 0 | 15 52 | 0 10 | 11 22 | 1 55 | 34 3 | 10 10 | 19 37 | 19 55 | 26 55 | | n.a. |
| M 8 | 11 44 | 19 51 | 0s 4 | 2 31 | 1 45 | 2 32 | 1 22 | 25 54 | 2 9 | 19 39 | 1 36 | 23 56 | 1 0 | 15 51 | 0 10 | 11 21 | 1 55 | 34 4 | 10 10 | 19 37 | 19 54 | 26 55 | | n.a. |
| T 9 | 12 6 | 23 24 | 1 11 | 3 9 | 1 38 | 3 3 | 1 20 | 25 57 | 2 12 | 19 37 | 1 35 | 23 56 | 1 0 | 15 50 | 0 10 | 11 21 | 1 55 | 34 4 | 10 11 | 19 37 | 19 54 | 26 55 | | n.a. |
| W10 | 12 28 | 25 50 | 2 14 | 3 48 | 1 31 | 3 35 | 1 19 | 26 0 | 2 14 | 19 36 | 1 35 | 23 56 | 1 0 | 15 49 | 0 10 | 11 20 | 1 55 | 34 4 | 10 11 | 19 38 | 19 53 | 26 54 | | n.a. |
| T 11 | 12 49 | 27 4 | 3 10 | 4 27 | 1 24 | 4 6 | 1 17 | 26 2 | 2 17 | 19 35 | 1 35 | 23 56 | 1 0 | 15 49 | 0 10 | 11 20 | 1 55 | 34 5 | 10 11 | 19 38 | 19 52 | 26 54 | | n.a. |
| F 12 | 13 10 | 27 1 | 3 58 | 5 6 | 1 17 | 4 37 | 1 16 | 26 5 | 2 19 | 19 33 | 1 34 | 23 57 | 1 1 | 15 48 | 0 10 | 11 19 | 1 55 | 34 5 | 10 12 | 19 38 | 19 51 | 26 54 | | n.a. |
| S 13 | 13 31 | 25 45 | 4 35 | 5 46 | 1 10 | 5 8 | 1 14 | 26 7 | 2 22 | 19 32 | 1 34 | 23 57 | 1 1 | 15 47 | 0 10 | 11 19 | 1 55 | 34 5 | 10 12 | 19 39 | 19 51 | 26 54 | | n.a. |
| S 14 | 13 52 | 23 20 | 5 1 | 6 26 | 1 3 | 5 39 | 1 12 | 26 10 | 2 25 | 19 30 | 1 34 | 23 57 | 1 1 | 15 46 | 0 10 | 11 19 | 1 55 | 34 6 | 10 12 | 19 39 | 19 50 | 26 54 | | n.a. |
| M15 | 14 13 | 19 52 | 5 14 | 7 6 | 0 56 | 6 10 | 1 10 | 26 12 | 2 27 | 19 29 | 1 34 | 23 57 | 1 1 | 15 45 | 0 10 | 11 18 | 1 55 | 34 6 | 10 13 | 19 39 | 19 49 | 26 54 | | n.a. |
| T 16 | 14 33 | 15 31 | 5 13 | 7 45 | 0 48 | 6 41 | 1 9 | 26 15 | 2 30 | 19 27 | 1 33 | 23 57 | 1 1 | 15 45 | 0 10 | 11 18 | 1 55 | 34 6 | 10 13 | 19 38 | 19 48 | 26 53 | | n.a. |
| W17 | 14 53 | 10 24 | 4 58 | 8 25 | 0 41 | 7 12 | 1 7 | 26 17 | 2 33 | 19 25 | 1 33 | 23 58 | 1 2 | 15 44 | 0 10 | 11 17 | 1 55 | 34 7 | 10 13 | 19 38 | 19 48 | 26 53 | | n.a. |
| T 18 | 15 13 | 4 42 | 4 27 | 9 5 | 0 34 | 7 42 | 1 5 | 26 20 | 2 35 | 19 23 | 1 33 | 23 58 | 1 2 | 15 43 | 0 10 | 11 17 | 1 55 | 34 7 | 10 14 | 19 37 | 19 47 | 26 53 | | n.a. |
| F 19 | 15 32 | 1n21 | 3 40 | 9 45 | 0 27 | 8 13 | 1 3 | 26 22 | 2 38 | 19 22 | 1 32 | 23 58 | 1 2 | 15 42 | 0 10 | 11 16 | 1 55 | 34 7 | 10 14 | 19 37 | 19 46 | 26 53 | | n.a. |
| S 20 | 15 52 | 7 33 | 2 40 | 10 24 | 0 20 | 8 43 | 1 1 | 26 24 | 2 41 | 19 20 | 1 32 | 23 58 | 1 2 | 15 42 | 0 10 | 11 16 | 1 55 | 34 8 | 10 14 | 19 36 | 19 45 | 26 53 | | n.a. |
| S 21 | 16 10 | 13 31 | 1 29 | 11 4 | 0 13 | 9 13 | 0 59 | 26 27 | 2 43 | 19 18 | 1 32 | 23 59 | 1 2 | 15 41 | 0 10 | 11 16 | 1 55 | 34 8 | 10 15 | 19 36 | 19 45 | 26 52 | | n.a. |
| M22 | 16 29 | 18 55 | 0 11 | 11 42 | 0 6 | 9 42 | 0 57 | 26 29 | 2 46 | 19 16 | 1 32 | 23 59 | 1 3 | 15 40 | 0 10 | 11 15 | 1 56 | 34 8 | 10 15 | 19 36 | 19 44 | 26 52 | | n.a. |
| T 23 | 16 47 | 23 15 | 1n 9 | 12 21 | 0s 1 | 10 12 | 0 55 | 26 31 | 2 49 | 19 14 | 1 31 | 23 59 | 1 3 | 15 39 | 0 10 | 11 15 | 1 56 | 34 9 | 10 15 | 19 36 | 19 43 | 26 52 | | n.a. |
| W24 | 17 6 | 26 8 | 2 25 | 12 59 | 0 8 | 10 41 | 0 52 | 26 33 | 2 51 | 19 12 | 1 31 | 24 0 | 1 3 | 15 38 | 0 10 | 11 15 | 1 56 | 34 9 | 10 16 | 19 36 | 19 42 | 26 52 | | n.a. |
| T 25 | 17 23 | 27 13 | 3 31 | 13 37 | 0 15 | 11 10 | 0 50 | 26 35 | 2 54 | 19 10 | 1 31 | 24 0 | 1 3 | 15 38 | 0 10 | 11 14 | 1 56 | 34 9 | 10 16 | 19 36 | 19 41 | 26 51 | | n.a. |
| F 26 | 17 41 | 26 26 | 4 24 | 14 15 | 0 22 | 11 39 | 0 48 | 26 37 | 2 57 | 19 8 | 1 31 | 24 0 | 1 3 | 15 37 | 0 10 | 11 14 | 1 56 | 34 10 | 10 16 | 19 36 | 19 41 | 26 51 | | n.a. |
| S 27 | 17 58 | 23 54 | 4 59 | 14 52 | 0 28 | 12 7 | 0 46 | 26 39 | 2 59 | 19 6 | 1 30 | 24 1 | 1 4 | 15 36 | 0 10 | 11 14 | 1 56 | 34 10 | 10 16 | 19 36 | 19 40 | 26 51 | | n.a. |
| S 28 | 18 15 | 19 58 | 5 16 | 15 28 | 0 35 | 12 35 | 0 44 | 26 41 | 3 2 | 19 3 | 1 30 | 24 1 | 1 4 | 15 35 | 0 10 | 11 13 | 1 56 | 34 10 | 10 17 | 19 37 | 19 39 | 26 51 | | n.a. |
| M29 | 18 31 | 15 0 | 5 14 | 16 4 | 0 41 | 13 3 | 0 41 | 26 42 | 3 5 | 19 1 | 1 30 | 24 2 | 1 4 | 15 34 | 0 10 | 11 13 | 1 56 | 34 11 | 10 17 | 19 36 | 19 38 | 26 50 | | n.a. |
| T 30 | 18s47 | 9n22 | 4n54 | 16s40 | 0s47 | 13s30 | 0n39 | 26n44 | 3n 7 | 18s59 | 1s29 | 24n 2 | 1n 4 | 15n34 | 0s10 | 11n13 | 1n56 | 34n11 | 10n17 | 19n36 | 19n38 | 26s50 | | n.a. |

Julian Day Number = 991227.5, Delta T = 13h02m14s
Ecliptic obliquity = 23°55'32, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'07, Lahiri = -31°31'06 Julian Calendar 1 Nov. 2000 BCE == Greg. Calendar 15 Oct. 2000 BCE

The year -1999 astronomical counting style corresponds to year 2000 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 2000 BCE
# geocentric

## DECEMBER 2000 BCE (-1999) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 31 46 | 23♏35'44 | 1♎17 | 14♏ 7 | 8♏14 | 20°R49 | 12♒ 5 | 15°R44 | 11°R53 | 6♍12 | 2°R43 | 25°R50 | 25♉52 | 16♑34 | n.a. | W 1 |
| T 2 | 3 35 42 | 24°36'57 | 14°27 | 15°42 | 9°29 | 20♊32 | 12°13 | 15♋42 | 11♉50 | 6°13 | 2♋41 | 25♉50 | 25°49 | 16°41 | n.a. | T 2 |
| F 3 | 3 39 39 | 25°38'10 | 27°22 | 17°17 | 10°44 | 20°15 | 12°21 | 15°40 | 11°48 | 6°14 | 2°40 | 25°D50 | 25°46 | 16°47 | n.a. | F 3 |
| S 4 | 3 43 35 | 26°39'23 | 10♏ 5 | 18°53 | 11°59 | 19°58 | 12°29 | 15°37 | 11°45 | 6°14 | 2°39 | 25°50 | 25°43 | 16°54 | n.a. | S 4 |
| S 5 | 3 47 32 | 27°40'34 | 22°36 | 20°29 | 13°15 | 19°39 | 12°37 | 15°35 | 11°43 | 6°15 | 2°38 | 25°R50 | 25°39 | 17° 1 | n.a. | S 5 |
| M 6 | 3 51 28 | 28°41'45 | 4♐55 | 22° 6 | 14°30 | 19°21 | 12°45 | 15°33 | 11°40 | 6°16 | 2°37 | 25°50 | 25°36 | 17° 7 | n.a. | M 6 |
| T 7 | 3 55 25 | 29°42'55 | 17° 4 | 23°43 | 15°45 | 19° 1 | 12°53 | 15°30 | 11°38 | 6°16 | 2°36 | 25°49 | 25°33 | 17°14 | n.a. | T 7 |
| W 8 | 3 59 22 | 0♐44'04 | 29° 5 | 25°21 | 17° 0 | 18°41 | 13° 2 | 15°27 | 11°35 | 6°17 | 2°34 | 25°49 | 25°30 | 17°21 | n.a. | W 8 |
| T 9 | 4 3 18 | 1°45'12 | 10♑59 | 26°59 | 18°16 | 18°20 | 13°10 | 15°25 | 11°33 | 6°17 | 2°33 | 25°48 | 25°27 | 17°27 | n.a. | T 9 |
| F 10 | 4 7 15 | 2°46'18 | 22°49 | 28°38 | 19°31 | 17°59 | 13°19 | 15°22 | 11°31 | 6°18 | 2°32 | 25°47 | 25°24 | 17°34 | n.a. | F 10 |
| S 11 | 4 11 11 | 3°47'23 | 4♒39 | 0♐18 | 20°46 | 17°37 | 13°28 | 15°19 | 11°28 | 6°18 | 2°31 | 25°46 | 25°20 | 17°41 | n.a. | S 11 |
| S 12 | 4 15 8 | 4°48'27 | 16°33 | 1°58 | 22° 1 | 17°15 | 13°37 | 15°16 | 11°26 | 6°19 | 2°30 | 25°45 | 25°17 | 17°48 | n.a. | S 12 |
| M13 | 4 19 4 | 5°49'29 | 28°34 | 3°39 | 23°16 | 16°53 | 13°46 | 15°13 | 11°24 | 6°19 | 2°28 | 25°45 | 25°14 | 17°54 | n.a. | M13 |
| T 14 | 4 23 1 | 6°50'30 | 10♓48 | 5°21 | 24°31 | 16°30 | 13°55 | 15°10 | 11°21 | 6°20 | 2°27 | 25°D45 | 25°11 | 18° 1 | n.a. | T 14 |
| W15 | 4 26 58 | 7°51'29 | 23°19 | 7° 3 | 25°47 | 16° 7 | 14° 5 | 15° 7 | 11°19 | 6°20 | 2°26 | 25°45 | 25° 8 | 18° 8 | n.a. | W15 |
| T 16 | 4 30 54 | 8°52'27 | 6♈10 | 8°46 | 27° 2 | 15°44 | 14°14 | 15° 3 | 11°17 | 6°20 | 2°24 | 25°46 | 25° 5 | 18°14 | n.a. | T 16 |
| F 17 | 4 34 51 | 9°53'23 | 19°26 | 10°30 | 28°17 | 15°20 | 14°24 | 15° 0 | 11°15 | 6°21 | 2°23 | 25°47 | 25° 1 | 18°21 | n.a. | F 17 |
| S 18 | 4 38 47 | 10°54'18 | 3♉ 9 | 12°14 | 29°32 | 14°56 | 14°34 | 14°56 | 11°13 | 6°21 | 2°22 | 25°48 | 24°58 | 18°28 | n.a. | S 18 |
| S 19 | 4 42 44 | 11°55'11 | 17°18 | 13°59 | 0♐47 | 14°33 | 14°44 | 14°53 | 11°10 | 6°21 | 2°20 | 25°49 | 24°55 | 18°34 | n.a. | S 19 |
| M20 | 4 46 40 | 12°56'02 | 1♊50 | 15°45 | 2° 2 | 14° 9 | 14°54 | 14°49 | 11° 8 | 6°21 | 2°19 | 25°R49 | 24°52 | 18°41 | n.a. | M20 |
| T 21 | 4 50 37 | 13°56'53 | 16°40 | 17°31 | 3°17 | 13°45 | 15° 4 | 14°46 | 11° 6 | 6°21 | 2°17 | 25°48 | 24°49 | 18°48 | n.a. | T 21 |
| W22 | 4 54 33 | 14°57'41 | 1♋42 | 19°18 | 4°32 | 13°21 | 15°14 | 14°42 | 11° 4 | 6°21 | 2°16 | 25°47 | 24°45 | 18°55 | n.a. | W22 |
| T 23 | 4 58 30 | 15°58'29 | 16°45 | 21° 5 | 5°47 | 12°57 | 15°25 | 14°38 | 11° 2 | 6°22 | 2°15 | 25°44 | 24°42 | 19° 1 | n.a. | T 23 |
| F 24 | 5 2 27 | 16°59'15 | 1♌40 | 22°53 | 7° 2 | 12°33 | 15°35 | 14°34 | 11° 0 | 6°22 | 2°13 | 25°41 | 24°39 | 19° 8 | n.a. | F 24 |
| S 25 | 5 6 23 | 18° 0'00 | 16°21 | 24°41 | 8°17 | 12° 9 | 15°46 | 14°30 | 10°58 | 6°R22 | 2°12 | 25°39 | 24°36 | 19°15 | n.a. | S 25 |
| S 26 | 5 10 20 | 19° 0'43 | 0♍42 | 26°30 | 9°32 | 11°46 | 15°56 | 14°26 | 10°56 | 6°22 | 2°10 | 25°36 | 24°33 | 19°21 | n.a. | S 26 |
| M27 | 5 14 16 | 20° 1'25 | 14°41 | 28°19 | 10°47 | 11°22 | 16° 7 | 14°22 | 10°55 | 6°22 | 2° 9 | 25°D35 | 24°30 | 19°28 | n.a. | M27 |
| T 28 | 5 18 13 | 21° 2'05 | 28°16 | 0♑ 8 | 12° 2 | 10°59 | 16°18 | 14°18 | 10°53 | 6°21 | 2° 7 | 25°35 | 24°26 | 19°35 | n.a. | T 28 |
| W29 | 5 22 9 | 22° 2'45 | 11♎29 | 1°57 | 13°17 | 10°37 | 16°29 | 14°14 | 10°51 | 6°21 | 2° 6 | 25°37 | 24°23 | 19°41 | n.a. | W29 |
| T 30 | 5 26 6 | 23° 3'22 | 24°23 | 3°46 | 14°32 | 10°14 | 16°40 | 14°10 | 10°49 | 6°21 | 2° 5 | 25°38 | 24°20 | 19°48 | n.a. | T 30 |
| F 31 | 5 30 2 | 24♐ 3'59 | 7♏ 0 | 5♑34 | 15♐47 | 9♊52 | 16♒51 | 14♋ 5 | 10♉47 | 6♍21 | 2♋ 3 | 25♉40 | 24♉17 | 19♑55 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| W 1 | 19s 3 | 3n25 | 4n19 | 17s14 | 0s53 | 13s57 | 0n37 | 26n45 | 3n10 | 18s56 | 1s29 | 24n 2 | 1n 4 | 15n33 | 0s10 | 11n13 | 1n56 | 34n11 | 10n18 | 19n36 | 19n37 | 26s50 | | | n.a. |
| T 2 | 19 18 | 2s35 | 3 30 | 17 48 | 0 59 | 14 24 | 0 34 | 26 47 | 3 13 | 18 54 | 1 29 | 24 3 | 1 5 | 15 32 | 0 10 | 11 12 | 1 56 | 34 12 | 10 18 | 19 36 | 19 36 | 26 49 | | | n.a. |
| F 3 | 19 33 | 8 24 | 2 32 | 18 22 | 1 4 | 14 50 | 0 32 | 26 48 | 3 15 | 18 51 | 1 29 | 24 3 | 1 5 | 15 31 | 0 10 | 11 12 | 1 56 | 34 12 | 10 18 | 19 36 | 19 35 | 26 49 | | | n.a. |
| S 4 | 19 48 | 13 47 | 1 26 | 18 54 | 1 10 | 15 16 | 0 30 | 26 49 | 3 17 | 18 49 | 1 28 | 24 4 | 1 5 | 15 30 | 0 10 | 11 12 | 1 56 | 34 12 | 10 18 | 19 36 | 19 35 | 26 49 | | | n.a. |
| S 5 | 20 2 | 18 30 | 0 18 | 19 26 | 1 15 | 15 42 | 0 27 | 26 50 | 3 20 | 18 46 | 1 28 | 24 4 | 1 5 | 15 30 | 0 10 | 11 12 | 1 56 | 34 12 | 10 19 | 19 36 | 19 34 | 26 48 | | | n.a. |
| M 6 | 20 16 | 22 22 | 0s50 | 19 57 | 1 20 | 16 7 | 0 25 | 26 51 | 3 22 | 18 44 | 1 28 | 24 5 | 1 5 | 15 29 | 0 10 | 11 12 | 1 57 | 34 13 | 10 19 | 19 36 | 19 33 | 26 48 | | | n.a. |
| T 7 | 20 30 | 25 12 | 1 55 | 20 27 | 1 24 | 16 32 | 0 22 | 26 52 | 3 25 | 18 41 | 1 28 | 24 5 | 1 5 | 15 28 | 0 10 | 11 11 | 1 57 | 34 13 | 10 19 | 19 36 | 19 32 | 26 48 | | | n.a. |
| W 8 | 20 43 | 26 50 | 2 54 | 20 56 | 1 29 | 16 56 | 0 20 | 26 52 | 3 27 | 18 38 | 1 27 | 24 6 | 1 6 | 15 27 | 0 10 | 11 11 | 1 57 | 34 13 | 10 19 | 19 36 | 19 32 | 26 47 | | | n.a. |
| T 9 | 20 56 | 27 12 | 3 45 | 21 24 | 1 33 | 17 20 | 0 18 | 26 52 | 3 29 | 18 36 | 1 27 | 24 6 | 1 6 | 15 27 | 0 10 | 11 11 | 1 57 | 34 14 | 10 20 | 19 36 | 19 31 | 26 47 | | | n.a. |
| F 10 | 21 8 | 26 19 | 4 26 | 21 50 | 1 37 | 17 43 | 0 15 | 26 53 | 3 31 | 18 33 | 1 27 | 24 7 | 1 6 | 15 26 | 0 10 | 11 11 | 1 57 | 34 14 | 10 20 | 19 36 | 19 30 | 26 47 | | | n.a. |
| S 11 | 21 20 | 24 16 | 4 56 | 22 16 | 1 41 | 18 6 | 0 13 | 26 53 | 3 33 | 18 30 | 1 27 | 24 7 | 1 6 | 15 25 | 0 10 | 11 11 | 1 57 | 34 14 | 10 20 | 19 35 | 19 29 | 26 46 | | | n.a. |
| S 12 | 21 32 | 21 9 | 5 13 | 22 41 | 1 44 | 18 29 | 0 10 | 26 52 | 3 35 | 18 27 | 1 27 | 24 8 | 1 6 | 15 24 | 0 10 | 11 11 | 1 57 | 34 14 | 10 20 | 19 35 | 19 28 | 26 46 | | | n.a. |
| M13 | 21 43 | 17 8 | 5 16 | 23 4 | 1 47 | 18 50 | 0 8 | 26 52 | 3 37 | 18 24 | 1 26 | 24 8 | 1 7 | 15 24 | 0 10 | 11 11 | 1 57 | 34 15 | 10 21 | 19 35 | 19 28 | 26 45 | | | n.a. |
| T 14 | 21 54 | 12 22 | 5 6 | 23 26 | 1 50 | 19 12 | 0 5 | 26 52 | 3 39 | 18 21 | 1 26 | 24 9 | 1 7 | 15 23 | 0 10 | 11 11 | 1 57 | 34 15 | 10 21 | 19 35 | 19 27 | 26 45 | | | n.a. |
| W15 | 22 4 | 7 0 | 4 41 | 23 47 | 1 53 | 19 33 | 0 3 | 26 51 | 3 41 | 18 18 | 1 26 | 24 9 | 1 7 | 15 22 | 0 10 | 11 11 | 1 57 | 34 15 | 10 21 | 19 35 | 19 26 | 26 45 | | | n.a. |
| T 16 | 22 14 | 1 11 | 4 1 | 24 6 | 1 55 | 19 53 | 0 1 | 26 50 | 3 43 | 18 15 | 1 26 | 24 10 | 1 7 | 15 22 | 0 10 | 11 11 | 1 57 | 34 15 | 10 21 | 19 35 | 19 25 | 26 44 | | | n.a. |
| F 17 | 22 23 | 4n52 | 3 8 | 24 24 | 1 56 | 20 13 | 0s 2 | 26 49 | 3 44 | 18 12 | 1 25 | 24 11 | 1 7 | 15 21 | 0 10 | 11 11 | 1 57 | 34 16 | 10 21 | 19 36 | 19 24 | 26 44 | | | n.a. |
| S 18 | 22 32 | 10 54 | 2 2 | 24 40 | 1 58 | 20 32 | 0 4 | 26 48 | 3 46 | 18 9 | 1 25 | 24 11 | 1 7 | 15 20 | 0 10 | 11 11 | 1 57 | 34 16 | 10 22 | 19 36 | 19 24 | 26 43 | | | n.a. |
| S 19 | 22 41 | 16 35 | 0 47 | 24 54 | 1 59 | 20 50 | 0 7 | 26 46 | 3 47 | 18 6 | 1 25 | 24 12 | 1 8 | 15 20 | 0 10 | 11 11 | 1 57 | 34 16 | 10 22 | 19 36 | 19 23 | 26 43 | | | n.a. |
| M20 | 22 49 | 21 29 | 0n33 | 25 7 | 1 59 | 21 8 | 0 9 | 26 45 | 3 49 | 18 3 | 1 25 | 24 12 | 1 8 | 15 19 | 0 10 | 11 11 | 1 58 | 34 16 | 10 22 | 19 36 | 19 22 | 26 42 | | | n.a. |
| T 21 | 22 56 | 25 7 | 1 53 | 25 18 | 1 59 | 21 26 | 0 11 | 26 43 | 3 50 | 17 59 | 1 25 | 24 13 | 1 8 | 15 18 | 0 10 | 11 11 | 1 58 | 34 16 | 10 22 | 19 36 | 19 21 | 26 42 | | | n.a. |
| W22 | 23 3 | 27 0 | 3 5 | 25 27 | 1 59 | 21 42 | 0 14 | 26 41 | 3 51 | 17 56 | 1 24 | 24 13 | 1 8 | 15 18 | 0 10 | 11 11 | 1 58 | 34 17 | 10 22 | 19 36 | 19 21 | 26 41 | | | n.a. |
| T 23 | 23 10 | 26 54 | 4 5 | 25 34 | 1 57 | 21 58 | 0 16 | 26 39 | 3 52 | 17 53 | 1 24 | 24 14 | 1 8 | 15 17 | 0 10 | 11 11 | 1 58 | 34 17 | 10 23 | 19 35 | 19 20 | 26 41 | | | n.a. |
| F 24 | 23 16 | 24 51 | 4 48 | 25 39 | 1 56 | 22 14 | 0 18 | 26 37 | 3 53 | 17 49 | 1 24 | 24 15 | 1 8 | 15 16 | 0 10 | 11 11 | 1 58 | 34 17 | 10 23 | 19 34 | 19 19 | 26 41 | | | n.a. |
| S 25 | 23 22 | 21 11 | 5 11 | 25 43 | 1 54 | 22 29 | 0 21 | 26 35 | 3 54 | 17 46 | 1 24 | 24 15 | 1 9 | 15 16 | 0 10 | 11 11 | 1 58 | 34 17 | 10 23 | 19 34 | 19 18 | 26 40 | | | n.a. |
| S 26 | 23 28 | 16 19 | 5 14 | 25 44 | 1 51 | 22 43 | 0 23 | 26 32 | 3 55 | 17 42 | 1 24 | 24 16 | 1 9 | 15 15 | 0 10 | 11 11 | 1 58 | 34 17 | 10 23 | 19 33 | 19 17 | 26 40 | | | n.a. |
| M27 | 23 32 | 10 42 | 4 58 | 25 42 | 1 48 | 22 56 | 0 25 | 26 30 | 3 56 | 17 39 | 1 23 | 24 16 | 1 9 | 15 15 | 0 10 | 11 11 | 1 58 | 34 18 | 10 23 | 19 33 | 19 17 | 26 39 | | | n.a. |
| T 28 | 23 37 | 4 45 | 4 25 | 25 39 | 1 43 | 23 9 | 0 28 | 26 27 | 3 57 | 17 35 | 1 23 | 24 17 | 1 9 | 15 14 | 0 10 | 11 11 | 1 58 | 34 18 | 10 23 | 19 33 | 19 16 | 26 39 | | | n.a. |
| W29 | 23 41 | 1s16 | 3 39 | 25 33 | 1 39 | 23 21 | 0 30 | 26 24 | 3 57 | 17 32 | 1 23 | 24 18 | 1 9 | 15 14 | 0 10 | 11 11 | 1 58 | 34 18 | 10 23 | 19 33 | 19 15 | 26 38 | | | n.a. |
| T 30 | 23 44 | 7 7 | 2 44 | 25 26 | 1 33 | 23 32 | 0 32 | 26 21 | 3 57 | 17 28 | 1 23 | 24 18 | 1 9 | 15 13 | 0 10 | 11 11 | 1 58 | 34 18 | 10 24 | 19 34 | 19 14 | 26 37 | | | n.a. |
| F 31 | 23s47 | 12s33 | 1n41 | 25s15 | 1s27 | 23s43 | 0s34 | 26n18 | 3n58 | 17s25 | 1s23 | 24n19 | 1n 9 | 15n13 | 0s10 | 11n11 | 1n58 | 34n18 | 10n24 | 19n34 | 19n13 | 26s37 | | | n.a. |

Julian Day Number = 991257.5, Delta T = 13h02m12s
Ecliptic obliquity = 23°55'32, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°38'03, Lahiri = -31°31'02 Julian Calendar 1 Dec. 2000 BCE == Greg. Calendar 14 Nov. 2000 BCE

The year -1999 astronomical counting style corresponds to year 2000 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## JANUARY 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 33 59 | 25♐ 4'34 | 19♏25 | 7♑21 | 17♐ 2 | 9°R31 | 17♒ 3 | 14°R 1 | 10°R46 | 6°R21 | 2°R 2 | 25♉41 | 24♉14 | 20♑ 2 | n.a. | S 1 |
| S 2 | 5 37 56 | 26° 5'07 | 1♐38 | 9° 8 | 18°17 | 9♊10 | 17°14 | 13♋57 | 10♉44 | 6♍20 | 2♋ 0 | 25°R41 | 24°11 | 20° 8 | n.a. | S 2 |
| M 3 | 5 41 52 | 27° 5'39 | 13°44 | 10°53 | 19°32 | 8°49 | 17°26 | 13°52 | 10°43 | 6°20 | 1°59 | 25°39 | 24° 7 | 20°15 | n.a. | M 3 |
| T 4 | 5 45 49 | 28° 6'09 | 25°43 | 12°36 | 20°47 | 8°29 | 17°37 | 13°48 | 10°41 | 6°20 | 1°57 | 25°36 | 24° 4 | 20°22 | n.a. | T 4 |
| W 5 | 5 49 45 | 29° 6'37 | 7♑37 | 14°17 | 22° 1 | 8°10 | 17°49 | 13°43 | 10°40 | 6°19 | 1°56 | 25°31 | 24° 1 | 20°28 | n.a. | W 5 |
| T 6 | 5 53 42 | 0♑ 7'03 | 19°29 | 15°55 | 23°16 | 7°51 | 18° 1 | 13°39 | 10°38 | 6°19 | 1°54 | 25°25 | 23°58 | 20°35 | n.a. | T 6 |
| F 7 | 5 57 38 | 1° 7'27 | 1♒19 | 17°30 | 24°31 | 7°33 | 18°13 | 13°34 | 10°37 | 6°19 | 1°53 | 25°18 | 23°55 | 20°42 | n.a. | F 7 |
| S 8 | 6 1 35 | 2° 7'50 | 13°11 | 19° 1 | 25°46 | 7°15 | 18°25 | 13°29 | 10°35 | 6°18 | 1°51 | 25°11 | 23°51 | 20°48 | n.a. | S 8 |
| S 9 | 6 5 32 | 3° 8'10 | 25° 6 | 20°27 | 27° 1 | 6°58 | 18°37 | 13°25 | 10°34 | 6°18 | 1°50 | 25° 5 | 23°48 | 20°55 | n.a. | S 9 |
| M10 | 6 9 28 | 4° 8'28 | 7♓ 7 | 21°49 | 28°16 | 6°42 | 18°49 | 13°20 | 10°33 | 6°17 | 1°48 | 25° 0 | 23°45 | 21° 2 | n.a. | M10 |
| T 11 | 6 13 25 | 5° 8'43 | 19°19 | 23° 5 | 29°30 | 6°27 | 19° 1 | 13°15 | 10°32 | 6°17 | 1°47 | 24°57 | 23°42 | 21° 9 | n.a. | T 11 |
| W12 | 6 17 21 | 6° 8'57 | 1♈45 | 24°14 | 0♑45 | 6°12 | 19°13 | 13°11 | 10°30 | 6°16 | 1°45 | 24°D55 | 23°39 | 21°15 | n.a. | W12 |
| T 13 | 6 21 18 | 7° 9'08 | 14°30 | 25°16 | 2° 0 | 5°58 | 19°25 | 13° 6 | 10°29 | 6°15 | 1°44 | 24°55 | 23°36 | 21°22 | n.a. | T 13 |
| F 14 | 6 25 14 | 8° 9'17 | 27°37 | 26°11 | 3°15 | 5°45 | 19°38 | 13° 1 | 10°28 | 6°15 | 1°42 | 24°57 | 23°32 | 21°29 | n.a. | F 14 |
| S 15 | 6 29 11 | 9° 9'23 | 11♉11 | 26°58 | 4°29 | 5°33 | 19°50 | 12°57 | 10°27 | 6°14 | 1°41 | 24°58 | 23°29 | 21°35 | n.a. | S 15 |
| S 16 | 6 33 7 | 10° 9'27 | 25°13 | 27°36 | 5°44 | 5°21 | 20° 3 | 12°52 | 10°26 | 6°13 | 1°39 | 24°R59 | 23°26 | 21°42 | n.a. | S 16 |
| M17 | 6 37 4 | 11° 9'30 | 9♊43 | 28° 5 | 6°59 | 5°10 | 20°16 | 12°47 | 10°25 | 6°13 | 1°38 | 24°58 | 23°23 | 21°49 | n.a. | M17 |
| T 18 | 6 41 1 | 12° 9'29 | 24°36 | 28°25 | 8°13 | 5° 0 | 20°28 | 12°42 | 10°25 | 6°12 | 1°36 | 24°55 | 23°20 | 21°55 | n.a. | T 18 |
| W19 | 6 44 57 | 13° 9'27 | 9♋48 | 28°36 | 9°28 | 4°51 | 20°41 | 12°38 | 10°24 | 6°11 | 1°35 | 24°50 | 23°17 | 22° 2 | n.a. | W19 |
| T 20 | 6 48 54 | 14° 9'23 | 25° 6 | 28°R38 | 10°43 | 4°42 | 20°54 | 12°33 | 10°23 | 6°10 | 1°33 | 24°43 | 23°13 | 22° 9 | n.a. | T 20 |
| F 21 | 6 52 50 | 15° 9'16 | 10♌22 | 28°30 | 11°57 | 4°35 | 21° 7 | 12°28 | 10°22 | 6° 9 | 1°32 | 24°35 | 23°10 | 22°16 | n.a. | F 21 |
| S 22 | 6 56 47 | 16° 9'08 | 25°23 | 28°13 | 13°12 | 4°28 | 21°20 | 12°23 | 10°22 | 6° 8 | 1°31 | 24°27 | 23° 7 | 22°22 | n.a. | S 22 |
| S 23 | 7 0 43 | 17° 8'57 | 10♍ 2 | 27°49 | 14°27 | 4°22 | 21°33 | 12°19 | 10°21 | 6° 8 | 1°29 | 24°21 | 23° 4 | 22°29 | n.a. | S 23 |
| M24 | 7 4 40 | 18° 8'45 | 24°13 | 27°16 | 15°41 | 4°16 | 21°46 | 12°14 | 10°20 | 6° 7 | 1°28 | 24°16 | 23° 1 | 22°36 | n.a. | M24 |
| T 25 | 7 8 36 | 19° 8'30 | 7♎55 | 26°37 | 16°56 | 4°12 | 21°59 | 12° 9 | 10°20 | 6° 6 | 1°26 | 24°13 | 22°57 | 22°42 | n.a. | T 25 |
| W26 | 7 12 33 | 20° 8'14 | 21°10 | 25°51 | 18°10 | 4° 8 | 22°12 | 12° 4 | 10°19 | 6° 5 | 1°25 | 24°D13 | 22°54 | 22°49 | n.a. | W26 |
| T 27 | 7 16 29 | 21° 7'56 | 4♏ 0 | 25° 1 | 19°25 | 4° 5 | 22°25 | 12° 0 | 10°19 | 6° 4 | 1°24 | 24°13 | 22°51 | 22°56 | n.a. | T 27 |
| F 28 | 7 20 26 | 22° 7'36 | 16°31 | 24° 7 | 20°39 | 4° 3 | 22°39 | 11°55 | 10°19 | 6° 3 | 1°22 | 24°14 | 22°48 | 23° 3 | n.a. | F 28 |
| S 29 | 7 24 23 | 23° 7'14 | 28°46 | 23°11 | 21°54 | 4° 1 | 22°52 | 11°50 | 10°18 | 6° 1 | 1°21 | 24°R14 | 22°45 | 23° 9 | n.a. | S 29 |
| S 30 | 7 28 19 | 24° 6'50 | 10♐49 | 22°14 | 23° 8 | 4°D 0 | 23° 5 | 11°46 | 10°18 | 6° 0 | 1°19 | 24°13 | 22°42 | 23°16 | n.a. | S 30 |
| M31 | 7 32 16 | 25♑ 6'25 | 22♐45 | 21♑17 | 24♑23 | 4♊ 0 | 23♒19 | 11♋41 | 10♉18 | 5♍59 | 1♋18 | 24♉ 9 | 22♉38 | 23♑23 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23s50 | 17s23 | 0n34 | 25s 3 | 1s20 | 23s53 | 0s36 | 26n15 | 3n58 | 17s21 | 1s22 | 24n19 | 1n10 | 15n12 | 0s10 | 11n12 | 1n58 | 34n18 | 10n24 | 19n34 | 19n13 | 26s36 | | n.a. |
| S 2 | 23 52 | 21 26 | 0s33 | 24 49 | 1 12 | 24 2 | 0 38 | 26 12 | 3 58 | 17 17 | 1 22 | 24 20 | 1 10 | 15 12 | 0 10 | 11 12 | 1 58 | 34 18 | 10 24 | 19 34 | 19 12 | 26 36 | | n.a. |
| M 3 | 23 54 | 24 31 | 1 37 | 24 32 | 1 4 | 24 11 | 0 41 | 26 8 | 3 58 | 17 13 | 1 22 | 24 21 | 1 10 | 15 11 | 0 10 | 11 12 | 1 59 | 34 19 | 10 24 | 19 34 | 19 11 | 26 35 | | n.a. |
| T 4 | 23 55 | 26 28 | 2 37 | 24 13 | 0 55 | 24 18 | 0 43 | 26 5 | 3 58 | 17 10 | 1 22 | 24 21 | 1 10 | 15 11 | 0 10 | 11 12 | 1 59 | 34 19 | 10 24 | 19 33 | 19 10 | 26 35 | | n.a. |
| W 5 | 23 55 | 27 11 | 3 29 | 23 53 | 0 44 | 24 25 | 0 45 | 26 2 | 3 58 | 17 6 | 1 22 | 24 22 | 1 10 | 15 10 | 0 10 | 11 12 | 1 59 | 34 19 | 10 24 | 19 32 | 19 9 | 26 34 | | n.a. |
| T 6 | 23 55 | 26 38 | 4 12 | 23 31 | 0 34 | 24 32 | 0 47 | 25 58 | 3 58 | 17 2 | 1 22 | 24 22 | 1 10 | 15 10 | 0 10 | 11 12 | 1 59 | 34 19 | 10 24 | 19 30 | 19 9 | 26 34 | | n.a. |
| F 7 | 23 55 | 24 52 | 4 44 | 23 7 | 0 22 | 24 37 | 0 49 | 25 55 | 3 58 | 16 58 | 1 21 | 24 23 | 1 10 | 15 9 | 0 10 | 11 13 | 1 59 | 34 19 | 10 24 | 19 29 | 19 8 | 26 33 | | n.a. |
| S 8 | 23 54 | 22 2 | 5 3 | 22 42 | 0 9 | 24 42 | 0 50 | 25 52 | 3 57 | 16 54 | 1 21 | 24 24 | 1 11 | 15 9 | 0 10 | 11 13 | 1 59 | 34 19 | 10 25 | 19 27 | 19 7 | 26 32 | | n.a. |
| S 9 | 23 53 | 18 16 | 5 10 | 22 16 | 0n 4 | 24 46 | 0 52 | 25 48 | 3 57 | 16 50 | 1 21 | 24 24 | 1 11 | 15 8 | 0 10 | 11 13 | 1 59 | 34 19 | 10 25 | 19 25 | 19 6 | 26 32 | | n.a. |
| M10 | 23 52 | 13 45 | 5 3 | 21 49 | 0 18 | 24 49 | 0 54 | 25 45 | 3 56 | 16 46 | 1 21 | 24 25 | 1 11 | 15 8 | 0 10 | 11 13 | 1 59 | 34 19 | 10 25 | 19 24 | 19 5 | 26 31 | | n.a. |
| T 11 | 23 49 | 8 38 | 4 43 | 21 23 | 0 32 | 24 51 | 0 56 | 25 42 | 3 56 | 16 42 | 1 21 | 24 25 | 1 11 | 15 8 | 0 10 | 11 14 | 1 59 | 34 19 | 10 25 | 19 23 | 19 5 | 26 31 | | n.a. |
| W12 | 23 47 | 3 5 | 4 9 | 20 56 | 0 47 | 24 53 | 0 58 | 25 38 | 3 55 | 16 38 | 1 21 | 24 26 | 1 11 | 15 7 | 0 10 | 11 14 | 1 59 | 34 20 | 10 25 | 19 23 | 19 4 | 26 30 | | n.a. |
| T 13 | 23 44 | 2n44 | 3 21 | 20 29 | 1 3 | 24 54 | 0 59 | 25 35 | 3 55 | 16 34 | 1 20 | 24 27 | 1 11 | 15 7 | 0 10 | 11 14 | 1 59 | 34 20 | 10 25 | 19 23 | 19 3 | 26 29 | | n.a. |
| F 14 | 23 40 | 8 38 | 2 23 | 20 4 | 1 18 | 24 54 | 1 1 | 25 32 | 3 54 | 16 30 | 1 20 | 24 27 | 1 11 | 15 7 | 0 10 | 11 15 | 1 59 | 34 20 | 10 25 | 19 23 | 19 2 | 26 29 | | n.a. |
| S 15 | 23 36 | 14 19 | 1 14 | 19 39 | 1 34 | 24 53 | 1 2 | 25 29 | 3 53 | 16 26 | 1 20 | 24 28 | 1 11 | 15 6 | 0 10 | 11 15 | 1 59 | 34 20 | 10 25 | 19 24 | 19 1 | 26 28 | | n.a. |
| S 16 | 23 32 | 19 29 | 0n 1 | 19 16 | 1 50 | 24 52 | 1 4 | 25 26 | 3 52 | 16 21 | 1 20 | 24 28 | 1 11 | 15 6 | 0 9 | 11 15 | 1 59 | 34 20 | 10 25 | 19 24 | 19 1 | 26 27 | | n.a. |
| M17 | 23 27 | 23 39 | 1 19 | 18 54 | 2 6 | 24 50 | 1 6 | 25 23 | 3 51 | 16 17 | 1 20 | 24 29 | 1 12 | 15 6 | 0 9 | 11 16 | 1 59 | 34 20 | 10 25 | 19 24 | 19 0 | 26 27 | | n.a. |
| T 18 | 23 21 | 26 22 | 2 33 | 18 35 | 2 22 | 24 47 | 1 7 | 25 20 | 3 50 | 16 13 | 1 20 | 24 30 | 1 12 | 15 6 | 0 9 | 11 16 | 2 0 | 34 20 | 10 25 | 19 23 | 18 59 | 26 26 | | n.a. |
| W19 | 23 16 | 27 10 | 3 38 | 18 18 | 2 36 | 24 43 | 1 8 | 25 17 | 3 49 | 16 9 | 1 20 | 24 30 | 1 12 | 15 5 | 0 9 | 11 16 | 2 0 | 34 20 | 10 25 | 19 22 | 18 58 | 26 25 | | n.a. |
| T 20 | 23 9 | 25 55 | 4 27 | 18 4 | 2 51 | 24 38 | 1 10 | 25 15 | 3 48 | 16 4 | 1 20 | 24 31 | 1 12 | 15 5 | 0 9 | 11 17 | 2 0 | 34 20 | 10 25 | 19 20 | 18 57 | 26 25 | | n.a. |
| F 21 | 23 3 | 22 45 | 4 57 | 17 53 | 3 4 | 24 33 | 1 11 | 25 12 | 3 47 | 16 0 | 1 19 | 24 31 | 1 12 | 15 5 | 0 9 | 11 17 | 2 0 | 34 20 | 10 25 | 19 18 | 18 57 | 26 24 | | n.a. |
| S 22 | 22 56 | 18 7 | 5 7 | 17 44 | 3 16 | 24 27 | 1 12 | 25 10 | 3 46 | 15 56 | 1 19 | 24 32 | 1 12 | 15 5 | 0 9 | 11 17 | 2 0 | 34 20 | 10 25 | 19 16 | 18 56 | 26 23 | | n.a. |
| S 23 | 22 48 | 12 30 | 4 55 | 17 38 | 3 27 | 24 20 | 1 13 | 25 8 | 3 45 | 15 51 | 1 19 | 24 32 | 1 12 | 15 4 | 0 9 | 11 18 | 2 0 | 34 20 | 10 25 | 19 14 | 18 55 | 26 23 | | n.a. |
| M24 | 22 40 | 6 24 | 4 26 | 17 35 | 3 37 | 24 13 | 1 15 | 25 5 | 3 44 | 15 47 | 1 19 | 24 33 | 1 12 | 15 4 | 0 9 | 11 18 | 2 0 | 34 20 | 10 25 | 19 13 | 18 54 | 26 22 | | n.a. |
| T 25 | 22 32 | 0 11 | 3 42 | 17 35 | 3 44 | 24 5 | 1 16 | 25 3 | 3 43 | 15 42 | 1 19 | 24 33 | 1 12 | 15 4 | 0 9 | 11 19 | 2 0 | 34 20 | 10 25 | 19 13 | 18 53 | 26 21 | | n.a. |
| W26 | 22 23 | 5s50 | 2 48 | 17 38 | 3 50 | 23 56 | 1 17 | 25 1 | 3 41 | 15 38 | 1 19 | 24 34 | 1 12 | 15 4 | 0 9 | 11 19 | 2 0 | 34 20 | 10 25 | 19 12 | 18 52 | 26 20 | | n.a. |
| T 27 | 22 14 | 11 27 | 1 46 | 17 43 | 3 54 | 23 46 | 1 18 | 24 59 | 3 40 | 15 33 | 1 19 | 24 34 | 1 12 | 15 4 | 0 9 | 11 20 | 2 0 | 34 20 | 10 25 | 19 13 | 18 52 | 26 20 | | n.a. |
| F 28 | 22 4 | 16 27 | 0 41 | 17 51 | 3 56 | 23 36 | 1 18 | 24 58 | 3 39 | 15 29 | 1 19 | 24 35 | 1 12 | 15 4 | 0 9 | 11 20 | 2 0 | 34 20 | 10 25 | 19 13 | 18 51 | 26 19 | | n.a. |
| S 29 | 21 54 | 20 41 | 0s24 | 18 1 | 3 56 | 23 24 | 1 19 | 24 56 | 3 37 | 15 24 | 1 18 | 24 35 | 1 13 | 15 4 | 0 9 | 11 20 | 2 0 | 34 20 | 10 25 | 19 13 | 18 50 | 26 18 | | n.a. |
| S 30 | 21 43 | 23 58 | 1 27 | 18 12 | 3 54 | 23 13 | 1 20 | 24 55 | 3 36 | 15 20 | 1 18 | 24 36 | 1 13 | 15 4 | 0 9 | 11 21 | 2 0 | 34 20 | 10 25 | 19 12 | 18 49 | 26 17 | | n.a. |
| M31 | 21s33 | 26s 9 | 2s26 | 18s25 | 3n50 | 23s 0 | 1s21 | 24n53 | 3n35 | 15s15 | 1s18 | 24n36 | 1n13 | 15n 4 | 0s 9 | 11n21 | 2n 0 | 34n20 | 10n25 | 19n11 | 18n48 | 26s17 | | n.a. |

Julian Day Number = 991288.5, Delta T = 13h02m10s
Ecliptic obliquity = 23°55'32, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'58, Lahiri = -31°30'58 Julian Calendar 1 Jan. 1999 BCE == Greg. Calendar 15 Dec. 2000 BCE

The year -1998 astronomical counting style corresponds to year 1999 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## FEBRUARY 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 36 12 | 26♉ 5'57 | 4♉37 | 20°R22 | 25♉37 | 4♊ 1 | 23♒32 | 11°R37 | 10°R18 | 5°R58 | 1°R17 | 24°R 2 | 22♋35 | 23♉29 | n.a. | T 1 |
| W 2 | 7 40 9 | 27° 5'27 | 16°28 | 19♉29 | 26°52 | 4° 3 | 23°46 | 11♋32 | 10♋18 | 5♍57 | 1♋15 | 23♋53 | 22°32 | 23°36 | n.a. | W 2 |
| T 3 | 7 44 5 | 28° 4'55 | 28°18 | 18°39 | 28° 6 | 4° 5 | 23°59 | 11°28 | 10°D18 | 5°56 | 1°14 | 23°42 | 22°29 | 23°43 | n.a. | T 3 |
| F 4 | 7 48 2 | 29° 4'20 | 10♒11 | 17°53 | 29°21 | 4° 8 | 24°13 | 11°23 | 10°18 | 5°55 | 1°13 | 23°29 | 22°26 | 23°50 | n.a. | F 4 |
| S 5 | 7 51 58 | 0♒ 3'44 | 22° 6 | 17°13 | 0♒35 | 4°11 | 24°27 | 11°19 | 10°18 | 5°53 | 1°12 | 23°16 | 22°23 | 23°56 | n.a. | S 5 |
| S 6 | 7 55 55 | 1° 3'04 | 4♓ 7 | 16°37 | 1°50 | 4°16 | 24°40 | 11°15 | 10°18 | 5°52 | 1°10 | 23° 4 | 22°19 | 24° 3 | n.a. | S 6 |
| M 7 | 7 59 52 | 2° 2'23 | 16°14 | 16° 7 | 3° 4 | 4°21 | 24°54 | 11°10 | 10°18 | 5°51 | 1° 9 | 22°54 | 22°16 | 24°10 | n.a. | M 7 |
| T 8 | 8 3 48 | 3° 1'39 | 28°30 | 15°43 | 4°18 | 4°26 | 25° 8 | 11° 6 | 10°18 | 5°50 | 1° 8 | 22°46 | 22°13 | 24°16 | n.a. | T 8 |
| W 9 | 8 7 45 | 4° 0'53 | 10♈57 | 15°25 | 5°33 | 4°33 | 25°22 | 11° 2 | 10°19 | 5°48 | 1° 7 | 22°42 | 22°10 | 24°23 | n.a. | W 9 |
| T 10 | 8 11 41 | 5° 0'04 | 23°40 | 15°13 | 6°47 | 4°39 | 25°35 | 10°58 | 10°19 | 5°47 | 1° 5 | 22°39 | 22° 7 | 24°30 | n.a. | T 10 |
| F 11 | 8 15 38 | 5°59'13 | 6♉42 | 15° 6 | 8° 2 | 4°47 | 25°49 | 10°54 | 10°20 | 5°46 | 1° 4 | 22°D39 | 22° 3 | 24°36 | n.a. | F 11 |
| S 12 | 8 19 34 | 6°58'19 | 20° 7 | 15°D 6 | 9°16 | 4°55 | 26° 3 | 10°49 | 10°20 | 5°44 | 1° 3 | 22°R39 | 22° 0 | 24°43 | n.a. | S 12 |
| S 13 | 8 23 31 | 7°57'23 | 3♊57 | 15°11 | 10°30 | 5° 4 | 26°17 | 10°46 | 10°21 | 5°43 | 1° 2 | 22°39 | 21°57 | 24°50 | n.a. | S 13 |
| M14 | 8 27 27 | 8°56'24 | 18°14 | 15°21 | 11°44 | 5°14 | 26°31 | 10°42 | 10°21 | 5°41 | 1° 1 | 22°37 | 21°54 | 24°57 | n.a. | M14 |
| T 15 | 8 31 24 | 9°55'23 | 2♋56 | 15°37 | 12°59 | 5°24 | 26°45 | 10°38 | 10°22 | 5°40 | 1° 0 | 22°32 | 21°51 | 25° 3 | n.a. | T 15 |
| W16 | 8 35 20 | 10°54'20 | 17°59 | 15°58 | 14°13 | 5°34 | 26°59 | 10°34 | 10°22 | 5°39 | 0°59 | 22°25 | 21°48 | 25°10 | n.a. | W16 |
| T 17 | 8 39 17 | 11°53'14 | 3♌15 | 16°23 | 15°27 | 5°45 | 27°13 | 10°30 | 10°23 | 5°37 | 0°58 | 22°15 | 21°44 | 25°17 | n.a. | T 17 |
| F 18 | 8 43 14 | 12°52'06 | 18°32 | 16°53 | 16°41 | 5°57 | 27°27 | 10°27 | 10°24 | 5°36 | 0°56 | 22° 5 | 21°41 | 25°23 | n.a. | F 18 |
| S 19 | 8 47 10 | 13°50'56 | 3♍40 | 17°27 | 17°56 | 6° 9 | 27°41 | 10°23 | 10°25 | 5°34 | 0°55 | 21°54 | 21°38 | 25°30 | n.a. | S 19 |
| S 20 | 8 51 7 | 14°49'43 | 18°28 | 18° 5 | 19°10 | 6°22 | 27°55 | 10°20 | 10°26 | 5°33 | 0°54 | 21°44 | 21°35 | 25°37 | n.a. | S 20 |
| M21 | 8 55 3 | 15°48'29 | 2♎50 | 18°47 | 20°24 | 6°35 | 28° 9 | 10°16 | 10°27 | 5°31 | 0°53 | 21°36 | 21°32 | 25°44 | n.a. | M21 |
| T 22 | 8 59 0 | 16°47'12 | 16°41 | 19°32 | 21°38 | 6°49 | 28°23 | 10°13 | 10°28 | 5°30 | 0°52 | 21°31 | 21°29 | 25°50 | n.a. | T 22 |
| W23 | 9 2 56 | 17°45'54 | 0♏ 3 | 20°21 | 22°52 | 7° 3 | 28°38 | 10° 9 | 10°29 | 5°28 | 0°52 | 21°29 | 21°25 | 25°57 | n.a. | W23 |
| T 24 | 9 6 53 | 18°44'34 | 12°58 | 21°13 | 24° 6 | 7°18 | 28°52 | 10° 6 | 10°30 | 5°27 | 0°51 | 21°28 | 21°22 | 26° 4 | n.a. | T 24 |
| F 25 | 9 10 49 | 19°43'12 | 25°29 | 22° 9 | 25°20 | 7°33 | 29° 6 | 10° 3 | 10°31 | 5°25 | 0°50 | 21°28 | 21°19 | 26°10 | n.a. | F 25 |
| S 26 | 9 14 46 | 20°41'48 | 7♐43 | 23° 7 | 26°34 | 7°49 | 29°20 | 10° 0 | 10°32 | 5°23 | 0°49 | 21°28 | 21°16 | 26°17 | n.a. | S 26 |
| S 27 | 9 18 42 | 21°40'23 | 19°44 | 24° 8 | 27°49 | 8° 5 | 29°34 | 9°57 | 10°33 | 5°22 | 0°48 | 21°26 | 21°13 | 26°24 | n.a. | S 27 |
| M28 | 9 22 39 | 22♒38'56 | 1♑37 | 25♑12 | 29♒ 3 | 8♊21 | 29♒49 | 9♋54 | 10♋34 | 5♍20 | 0♋47 | 21♋21 | 21♋ 9 | 26♑31 | n.a. | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s21 | 27s 8 | 3s18 | 18s39 | 3n44 | 22s47 | 1s21 | 24n52 | 3n33 | 15s10 | 1s18 | 24n37 | 1n13 | 15n 4 | 0s 9 | 11n22 | 2n 0 | 34n20 | 10n25 | 19n10 | 18n47 | 26s16 | | n.a. |
| W 2 | 21 10 | 26 52 | 4 1 | 18 54 | 3 37 | 22 33 | 1 22 | 24 51 | 3 32 | 15 6 | 1 18 | 24 37 | 1 13 | 15 4 | 0 9 | 11 22 | 2 0 | 34 20 | 10 25 | 19 7 | 18 47 | 26 15 | | n.a. |
| T 3 | 20 58 | 25 22 | 4 33 | 19 10 | 3 28 | 22 19 | 1 23 | 24 50 | 3 31 | 15 1 | 1 18 | 24 38 | 1 13 | 15 4 | 0 9 | 11 23 | 2 0 | 34 20 | 10 25 | 19 5 | 18 46 | 26 14 | | n.a. |
| F 4 | 20 46 | 22 45 | 4 54 | 19 27 | 3 17 | 22 3 | 1 23 | 24 50 | 3 29 | 14 56 | 1 18 | 24 38 | 1 13 | 15 4 | 0 9 | 11 23 | 2 0 | 34 20 | 10 25 | 19 1 | 18 45 | 26 13 | | n.a. |
| S 5 | 20 33 | 19 10 | 5 2 | 19 43 | 3 6 | 21 47 | 1 24 | 24 49 | 3 28 | 14 52 | 1 18 | 24 39 | 1 13 | 15 4 | 0 9 | 11 24 | 2 1 | 34 20 | 10 25 | 18 58 | 18 44 | 26 13 | | n.a. |
| S 6 | 20 20 | 14 47 | 4 56 | 20 0 | 2 54 | 21 31 | 1 24 | 24 48 | 3 27 | 14 47 | 1 18 | 24 39 | 1 13 | 15 4 | 0 9 | 11 24 | 2 1 | 34 20 | 10 25 | 18 55 | 18 43 | 26 12 | | n.a. |
| M 7 | 20 6 | 9 47 | 4 38 | 20 16 | 2 41 | 21 14 | 1 24 | 24 48 | 3 25 | 14 42 | 1 18 | 24 39 | 1 13 | 15 4 | 0 9 | 11 25 | 2 1 | 34 20 | 10 24 | 18 52 | 18 42 | 26 11 | | n.a. |
| T 8 | 19 53 | 4 21 | 4 6 | 20 33 | 2 27 | 20 56 | 1 24 | 24 48 | 3 24 | 14 37 | 1 18 | 24 40 | 1 13 | 15 4 | 0 9 | 11 25 | 2 1 | 34 20 | 10 24 | 18 50 | 18 42 | 26 10 | | n.a. |
| W 9 | 19 39 | 1n20 | 3 22 | 20 49 | 2 13 | 20 38 | 1 25 | 24 47 | 3 22 | 14 32 | 1 17 | 24 40 | 1 13 | 15 4 | 0 9 | 11 26 | 2 1 | 34 19 | 10 24 | 18 49 | 18 41 | 26 9 | | n.a. |
| T 10 | 19 24 | 7 6 | 2 27 | 21 4 | 1 59 | 20 19 | 1 25 | 24 47 | 3 21 | 14 28 | 1 17 | 24 41 | 1 13 | 15 4 | 0 9 | 11 26 | 2 1 | 34 19 | 10 24 | 18 49 | 18 40 | 26 8 | | n.a. |
| F 11 | 19 9 | 12 43 | 1 24 | 21 19 | 1 45 | 20 0 | 1 25 | 24 47 | 3 19 | 14 23 | 1 17 | 24 41 | 1 13 | 15 4 | 0 9 | 11 27 | 2 1 | 34 19 | 10 24 | 18 48 | 18 39 | 26 8 | | n.a. |
| S 12 | 18 54 | 17 55 | 0 13 | 21 33 | 1 30 | 19 40 | 1 25 | 24 48 | 3 18 | 14 18 | 1 17 | 24 41 | 1 13 | 15 5 | 0 9 | 11 28 | 2 1 | 34 19 | 10 24 | 18 48 | 18 38 | 26 7 | | n.a. |
| S 13 | 18 39 | 22 20 | 0n59 | 21 47 | 1 16 | 19 19 | 1 25 | 24 48 | 3 17 | 14 13 | 1 17 | 24 42 | 1 13 | 15 5 | 0 9 | 11 28 | 2 1 | 34 19 | 10 24 | 18 48 | 18 37 | 26 6 | | n.a. |
| M14 | 18 23 | 25 34 | 2 11 | 21 59 | 1 2 | 18 58 | 1 24 | 24 48 | 3 15 | 14 8 | 1 17 | 24 42 | 1 13 | 15 5 | 0 9 | 11 29 | 2 1 | 34 19 | 10 24 | 18 48 | 18 37 | 26 5 | | n.a. |
| T 15 | 18 7 | 27 9 | 3 16 | 22 11 | 0 49 | 18 36 | 1 24 | 24 49 | 3 14 | 14 3 | 1 17 | 24 43 | 1 13 | 15 5 | 0 9 | 11 29 | 2 1 | 34 19 | 10 24 | 18 47 | 18 36 | 26 4 | | n.a. |
| W16 | 17 51 | 26 47 | 4 9 | 22 22 | 0 35 | 18 14 | 1 24 | 24 49 | 3 12 | 13 58 | 1 17 | 24 43 | 1 13 | 15 5 | 0 9 | 11 30 | 2 1 | 34 19 | 10 24 | 18 45 | 18 35 | 26 3 | | n.a. |
| T 17 | 17 34 | 24 26 | 4 44 | 22 32 | 0 22 | 17 51 | 1 24 | 24 50 | 3 11 | 13 53 | 1 17 | 24 43 | 1 13 | 15 6 | 0 9 | 11 30 | 2 1 | 34 19 | 10 23 | 18 42 | 18 34 | 26 2 | | n.a. |
| F 18 | 17 17 | 20 19 | 5 0 | 22 41 | 0 9 | 17 28 | 1 23 | 24 51 | 3 10 | 13 48 | 1 17 | 24 43 | 1 13 | 15 6 | 0 9 | 11 31 | 2 1 | 34 19 | 10 23 | 18 39 | 18 33 | 26 1 | | n.a. |
| S 19 | 17 0 | 14 55 | 4 54 | 22 49 | 0s 3 | 17 5 | 1 23 | 24 51 | 3 8 | 13 43 | 1 17 | 24 44 | 1 13 | 15 6 | 0 9 | 11 32 | 2 1 | 34 18 | 10 23 | 18 37 | 18 32 | 26 1 | | n.a. |
| S 20 | 16 43 | 8 45 | 4 29 | 22 55 | 0 15 | 16 41 | 1 22 | 24 52 | 3 7 | 13 38 | 1 17 | 24 44 | 1 13 | 15 6 | 0 9 | 11 32 | 2 1 | 34 18 | 10 23 | 18 34 | 18 32 | 26 0 | | n.a. |
| M21 | 16 25 | 2 19 | 3 47 | 23 1 | 0 26 | 16 16 | 1 22 | 24 53 | 3 5 | 13 33 | 1 17 | 24 44 | 1 13 | 15 7 | 0 9 | 11 33 | 2 1 | 34 18 | 10 23 | 18 32 | 18 31 | 25 59 | | n.a. |
| T 22 | 16 7 | 4s 2 | 2 53 | 23 5 | 0 37 | 15 51 | 1 21 | 24 54 | 3 4 | 13 28 | 1 17 | 24 45 | 1 13 | 15 7 | 0 9 | 11 33 | 2 1 | 34 18 | 10 23 | 18 31 | 18 30 | 25 58 | | n.a. |
| W23 | 15 49 | 10 0 | 1 51 | 23 8 | 0 47 | 15 26 | 1 20 | 24 56 | 3 3 | 13 23 | 1 17 | 24 45 | 1 13 | 15 7 | 0 9 | 11 34 | 2 1 | 34 18 | 10 23 | 18 30 | 18 29 | 25 57 | | n.a. |
| T 24 | 15 31 | 15 20 | 0 45 | 23 9 | 0 57 | 15 0 | 1 20 | 24 57 | 3 1 | 13 18 | 1 17 | 24 45 | 1 13 | 15 8 | 0 9 | 11 35 | 2 1 | 34 18 | 10 22 | 18 30 | 18 28 | 25 56 | | n.a. |
| F 25 | 15 12 | 19 52 | 0s21 | 23 9 | 1 7 | 14 34 | 1 19 | 24 58 | 3 0 | 13 13 | 1 17 | 24 45 | 1 13 | 15 8 | 0 9 | 11 35 | 2 1 | 34 18 | 10 22 | 18 30 | 18 27 | 25 55 | | n.a. |
| S 26 | 14 53 | 23 26 | 1 25 | 23 8 | 1 15 | 14 8 | 1 18 | 24 59 | 2 58 | 13 8 | 1 17 | 24 46 | 1 13 | 15 9 | 0 9 | 11 36 | 2 1 | 34 17 | 10 22 | 18 30 | 18 27 | 25 54 | | n.a. |
| S 27 | 14 34 | 25 54 | 2 23 | 23 6 | 1 24 | 13 41 | 1 17 | 25 1 | 2 57 | 13 3 | 1 16 | 24 46 | 1 13 | 15 9 | 0 9 | 11 36 | 2 1 | 34 17 | 10 22 | 18 29 | 18 26 | 25 53 | | n.a. |
| M28 | 14s15 | 27s10 | 3s15 | 23s 2 | 1s32 | 13s13 | 1s16 | 25n 2 | 2n56 | 12s57 | 1s16 | 24n46 | 1n13 | 15n 9 | 0s 9 | 11n37 | 2n 1 | 34n17 | 10n22 | 18n28 | 18n25 | 25s52 | | n.a. |

Julian Day Number = 991319.5, Delta T = 13h02m08s
Ecliptic obliquity = 23°55'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'54, Lahiri = -31°30'54 Julian Calendar 1 Feb. 1999 BCE == Greg. Calendar 15 Jan. 1999 BCE


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## MARCH 1999 BCE (-1998) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 26 36 | 23♒37'26 | 13♉27 | 26♉18 | 0♓17 | 8♊38 | 0♓ 3 | 9°R51 | 10♉36 | 5°R19 | 0°R46 | 21°R14 | 21♉ 6 | 26♉37 | n.a. | T 1 |
| W 2 | 9 30 32 | 24°35'55 | 25°17 | 27°27 | 1°31 | 8°56 | 0°17 | 9♋49 | 10°37 | 5♍17 | 0♋46 | 21♉ 3 | 21° 3 | 26°44 | n.a. | W 2 |
| T 3 | 9 34 29 | 25°34'22 | 7♒ 9 | 28°39 | 2°45 | 9°14 | 0°31 | 9°46 | 10°39 | 5°16 | 0°45 | 20°51 | 21° 0 | 26°51 | n.a. | T 3 |
| F 4 | 9 38 25 | 26°32'47 | 19° 5 | 29°52 | 3°59 | 9°32 | 0°46 | 9°44 | 10°40 | 5°14 | 0°44 | 20°37 | 20°57 | 26°57 | n.a. | F 4 |
| S 5 | 9 42 22 | 27°31'10 | 1♓ 8 | 1♒ 8 | 5°13 | 9°51 | 1° 0 | 9°41 | 10°42 | 5°12 | 0°43 | 20°23 | 20°54 | 27° 4 | n.a. | S 5 |
| S 6 | 9 46 18 | 28°29'31 | 13°18 | 2°26 | 6°27 | 10°10 | 1°14 | 9°39 | 10°43 | 5°11 | 0°43 | 20°10 | 20°50 | 27°11 | n.a. | S 6 |
| M 7 | 9 50 15 | 29°27'50 | 25°36 | 3°46 | 7°41 | 10°29 | 1°28 | 9°37 | 10°45 | 5° 9 | 0°42 | 19°59 | 20°47 | 27°18 | n.a. | M 7 |
| T 8 | 9 54 11 | 0♓26'07 | 8♈ 3 | 5° 8 | 8°55 | 10°49 | 1°43 | 9°34 | 10°47 | 5° 7 | 0°42 | 19°50 | 20°44 | 27°24 | n.a. | T 8 |
| W 9 | 9 58 8 | 1°24'21 | 20°40 | 6°32 | 10° 9 | 11° 9 | 1°57 | 9°32 | 10°48 | 5° 6 | 0°41 | 19°44 | 20°41 | 27°31 | n.a. | W 9 |
| T 10 | 10 2 4 | 2°22'34 | 3♉31 | 7°58 | 11°22 | 11°30 | 2°11 | 9°30 | 10°50 | 5° 4 | 0°40 | 19°42 | 20°38 | 27°38 | n.a. | T 10 |
| F 11 | 10 6 1 | 3°20'44 | 16°36 | 9°26 | 12°36 | 11°51 | 2°25 | 9°29 | 10°52 | 5° 3 | 0°40 | 19°D41 | 20°34 | 27°44 | n.a. | F 11 |
| S 12 | 10 9 58 | 4°18'52 | 29°59 | 10°55 | 13°50 | 12°12 | 2°40 | 9°27 | 10°54 | 5° 1 | 0°39 | 19°R41 | 20°31 | 27°51 | n.a. | S 12 |
| S 13 | 10 13 54 | 5°16'58 | 13♊43 | 12°27 | 15° 4 | 12°34 | 2°54 | 9°25 | 10°56 | 4°59 | 0°39 | 19°41 | 20°28 | 27°58 | n.a. | S 13 |
| M14 | 10 17 51 | 6°15'02 | 27°48 | 14° 1 | 16°18 | 12°56 | 3° 8 | 9°24 | 10°58 | 4°58 | 0°38 | 19°39 | 20°25 | 28° 5 | n.a. | M14 |
| T 15 | 10 21 47 | 7°13'04 | 12♋15 | 15°36 | 17°32 | 13°18 | 3°22 | 9°22 | 11° 0 | 4°56 | 0°38 | 19°35 | 20°22 | 28°11 | n.a. | T 15 |
| W16 | 10 25 44 | 8°11'04 | 26°59 | 17°13 | 18°45 | 13°41 | 3°37 | 9°21 | 11° 2 | 4°54 | 0°37 | 19°29 | 20°19 | 28°18 | n.a. | W16 |
| T 17 | 10 29 40 | 9° 9'01 | 11♌57 | 18°52 | 19°59 | 14° 3 | 3°51 | 9°19 | 11° 4 | 4°53 | 0°37 | 19°20 | 20°15 | 28°25 | n.a. | T 17 |
| F 18 | 10 33 37 | 10° 6'57 | 26°58 | 20°33 | 21°13 | 14°27 | 4° 5 | 9°18 | 11° 6 | 4°51 | 0°37 | 19°11 | 20°12 | 28°31 | n.a. | F 18 |
| S 19 | 10 37 33 | 11° 4'51 | 11♍55 | 22°16 | 22°27 | 14°50 | 4°19 | 9°17 | 11° 8 | 4°50 | 0°36 | 19° 1 | 20° 9 | 28°38 | n.a. | S 19 |
| S 20 | 10 41 30 | 12° 2'43 | 26°37 | 24° 1 | 23°40 | 15°14 | 4°33 | 9°16 | 11°10 | 4°48 | 0°36 | 18°52 | 20° 6 | 28°45 | n.a. | S 20 |
| M21 | 10 45 26 | 13° 0'33 | 10♎57 | 25°47 | 24°54 | 15°38 | 4°48 | 9°15 | 11°12 | 4°46 | 0°36 | 18°44 | 20° 3 | 28°52 | n.a. | M21 |
| T 22 | 10 49 23 | 13°58'22 | 24°50 | 27°35 | 26° 8 | 16° 2 | 5° 2 | 9°15 | 11°15 | 4°45 | 0°36 | 18°40 | 20° 0 | 28°58 | n.a. | T 22 |
| W23 | 10 53 20 | 14°56'09 | 8♏16 | 29°25 | 27°21 | 16°27 | 5°16 | 9°14 | 11°17 | 4°43 | 0°35 | 18°38 | 19°56 | 29° 5 | n.a. | W23 |
| T 24 | 10 57 16 | 15°53'55 | 21°15 | 1♓17 | 28°35 | 16°52 | 5°30 | 9°13 | 11°19 | 4°41 | 0°35 | 18°D37 | 19°53 | 29°12 | n.a. | T 24 |
| F 25 | 11 1 13 | 16°51'40 | 3♐51 | 3°11 | 29°48 | 17°17 | 5°44 | 9°13 | 11°22 | 4°40 | 0°35 | 18°38 | 19°50 | 29°18 | n.a. | F 25 |
| S 26 | 11 5 9 | 17°49'23 | 16° 8 | 5° 7 | 1♈ 2 | 17°42 | 5°58 | 9°12 | 11°24 | 4°38 | 0°35 | 18°R38 | 19°47 | 29°25 | n.a. | S 26 |
| S 27 | 11 9 6 | 18°47'05 | 28°11 | 7° 4 | 2°16 | 18° 8 | 6°12 | 9°12 | 11°27 | 4°37 | 0°35 | 18°38 | 19°44 | 29°32 | n.a. | S 27 |
| M28 | 11 13 2 | 19°44'46 | 10♑ 6 | 9° 4 | 3°29 | 18°34 | 6°26 | 9°12 | 11°29 | 4°35 | 0°35 | 18°35 | 19°40 | 29°39 | n.a. | M28 |
| T 29 | 11 16 59 | 20°42'26 | 21°57 | 11° 4 | 4°43 | 19° 0 | 6°40 | 9°D12 | 11°32 | 4°34 | 0°35 | 18°31 | 19°37 | 29°45 | n.a. | T 29 |
| W30 | 11 20 55 | 21°40'04 | 3♒48 | 13° 7 | 5°56 | 19°26 | 6°54 | 9°12 | 11°34 | 4°32 | 0°D35 | 18°24 | 19°34 | 29°52 | n.a. | W30 |
| T 31 | 11 24 52 | 22♓37'41 | 15♒43 | 15♓11 | 7♈10 | 19♊53 | 7♓ 8 | 9♋12 | 11♉37 | 4♍31 | 0♋35 | 18♉16 | 19♉31 | 29♉59 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 13s55 | 27s10 | 3s58 | 22s56 | 1s39 | 12s46 | 1s15 | 25n 4 | 2n54 | 12s52 | 1s16 | 24n46 | 1n13 | 15n10 | 0s 9 | 11n38 | 2n 1 | 34n17 | 10n22 | 18n26 | 18n24 | 25s51 | | | n.a. |
| W 2 | 13 35 | 25 56 | 4 30 | 22 49 | 1 46 | 12 18 | 1 14 | 25 5 | 2 53 | 12 47 | 1 16 | 24 47 | 1 13 | 15 10 | 0 9 | 11 38 | 2 1 | 34 17 | 10 21 | 18 23 | 18 23 | 25 50 | | | n.a. |
| T 3 | 13 15 | 23 32 | 4 51 | 22 41 | 1 52 | 11 50 | 1 13 | 25 7 | 2 52 | 12 42 | 1 16 | 24 47 | 1 13 | 15 11 | 0 9 | 11 39 | 2 1 | 34 17 | 10 21 | 18 20 | 18 22 | 25 49 | | | n.a. |
| F 4 | 12 55 | 20 7 | 4 59 | 22 30 | 1 58 | 11 21 | 1 11 | 25 8 | 2 50 | 12 37 | 1 16 | 24 47 | 1 13 | 15 11 | 0 9 | 11 39 | 2 1 | 34 17 | 10 21 | 18 16 | 18 21 | 25 48 | | | n.a. |
| S 5 | 12 35 | 15 51 | 4 54 | 22 19 | 2 3 | 10 52 | 1 10 | 25 10 | 2 49 | 12 32 | 1 16 | 24 47 | 1 13 | 15 12 | 0 9 | 11 40 | 2 1 | 34 16 | 10 21 | 18 12 | 18 21 | 25 47 | | | n.a. |
| S 6 | 12 14 | 10 55 | 4 36 | 22 5 | 2 8 | 10 23 | 1 9 | 25 11 | 2 48 | 12 26 | 1 16 | 24 47 | 1 13 | 15 12 | 0 9 | 11 41 | 2 1 | 34 16 | 10 21 | 18 9 | 18 20 | 25 46 | | | n.a. |
| M 7 | 11 53 | 5 30 | 4 4 | 21 50 | 2 12 | 9 54 | 1 7 | 25 13 | 2 46 | 12 21 | 1 16 | 24 47 | 1 13 | 15 13 | 0 9 | 11 41 | 2 1 | 34 16 | 10 21 | 18 6 | 18 19 | 25 45 | | | n.a. |
| T 8 | 11 33 | 0n11 | 3 21 | 21 33 | 2 15 | 9 24 | 1 6 | 25 15 | 2 45 | 12 16 | 1 16 | 24 48 | 1 13 | 15 13 | 0 9 | 11 42 | 2 1 | 34 16 | 10 20 | 18 3 | 18 18 | 25 44 | | | n.a. |
| W 9 | 11 12 | 5 58 | 2 27 | 21 15 | 2 18 | 8 55 | 1 4 | 25 16 | 2 44 | 12 11 | 1 16 | 24 48 | 1 13 | 15 14 | 0 9 | 11 43 | 2 1 | 34 16 | 10 20 | 18 2 | 18 17 | 25 43 | | | n.a. |
| T 10 | 10 50 | 11 37 | 1 24 | 20 55 | 2 21 | 8 24 | 1 3 | 25 18 | 2 43 | 12 5 | 1 16 | 24 48 | 1 13 | 15 15 | 0 9 | 11 43 | 2 1 | 34 15 | 10 20 | 18 1 | 18 16 | 25 42 | | | n.a. |
| F 11 | 10 29 | 16 53 | 0 16 | 20 33 | 2 23 | 7 54 | 1 1 | 25 20 | 2 41 | 12 0 | 1 16 | 24 48 | 1 13 | 15 15 | 0 9 | 11 44 | 2 1 | 34 15 | 10 20 | 18 1 | 18 15 | 25 41 | | | n.a. |
| S 12 | 10 7 | 21 27 | 0n54 | 20 9 | 2 24 | 7 24 | 1 0 | 25 21 | 2 40 | 11 55 | 1 16 | 24 48 | 1 13 | 15 16 | 0 9 | 11 44 | 2 1 | 34 15 | 10 20 | 18 1 | 18 15 | 25 40 | | | n.a. |
| S 13 | 9 46 | 24 57 | 2 4 | 19 44 | 2 25 | 6 53 | 0 58 | 25 23 | 2 39 | 11 50 | 1 16 | 24 48 | 1 13 | 15 16 | 0 8 | 11 45 | 2 2 | 34 15 | 10 19 | 18 1 | 18 14 | 25 39 | | | n.a. |
| M14 | 9 24 | 27 2 | 3 7 | 19 16 | 2 25 | 6 22 | 0 56 | 25 25 | 2 38 | 11 44 | 1 16 | 24 48 | 1 13 | 15 17 | 0 8 | 11 46 | 2 2 | 34 15 | 10 19 | 18 0 | 18 13 | 25 37 | | | n.a. |
| T 15 | 9 2 | 27 20 | 4 1 | 18 47 | 2 25 | 5 51 | 0 54 | 25 27 | 2 36 | 11 39 | 1 16 | 24 48 | 1 13 | 15 18 | 0 8 | 11 46 | 2 2 | 34 14 | 10 19 | 17 59 | 18 12 | 25 36 | | | n.a. |
| W16 | 8 40 | 25 45 | 4 39 | 18 17 | 2 24 | 5 20 | 0 52 | 25 28 | 2 35 | 11 34 | 1 16 | 24 48 | 1 13 | 15 18 | 0 8 | 11 47 | 2 2 | 34 14 | 10 19 | 17 57 | 18 11 | 25 35 | | | n.a. |
| T 17 | 8 18 | 22 20 | 4 59 | 17 44 | 2 23 | 4 49 | 0 51 | 25 30 | 2 34 | 11 29 | 1 16 | 24 48 | 1 13 | 15 19 | 0 8 | 11 48 | 2 2 | 34 14 | 10 19 | 17 55 | 18 10 | 25 34 | | | n.a. |
| F 18 | 7 56 | 17 26 | 4 59 | 17 9 | 2 21 | 4 18 | 0 49 | 25 31 | 2 33 | 11 23 | 1 16 | 24 49 | 1 13 | 15 20 | 0 8 | 11 48 | 2 2 | 34 14 | 10 18 | 17 52 | 18 9 | 25 33 | | | n.a. |
| S 19 | 7 33 | 11 30 | 4 38 | 16 33 | 2 19 | 3 46 | 0 47 | 25 33 | 2 31 | 11 18 | 1 16 | 24 49 | 1 13 | 15 20 | 0 8 | 11 49 | 2 2 | 34 14 | 10 18 | 17 50 | 18 8 | 25 32 | | | n.a. |
| S 20 | 7 11 | 5 1 | 3 59 | 15 55 | 2 16 | 3 15 | 0 45 | 25 35 | 2 30 | 11 13 | 1 16 | 24 49 | 1 13 | 15 21 | 0 8 | 11 49 | 2 2 | 34 13 | 10 18 | 17 47 | 18 8 | 25 31 | | | n.a. |
| M21 | 6 48 | 1s34 | 3 6 | 15 15 | 2 12 | 2 43 | 0 43 | 25 36 | 2 29 | 11 8 | 1 16 | 24 49 | 1 13 | 15 22 | 0 8 | 11 50 | 2 2 | 34 13 | 10 18 | 17 45 | 18 7 | 25 30 | | | n.a. |
| T 22 | 6 26 | 7 54 | 2 3 | 14 33 | 2 8 | 2 11 | 0 41 | 25 38 | 2 28 | 11 2 | 1 16 | 24 49 | 1 13 | 15 23 | 0 8 | 11 51 | 2 2 | 34 13 | 10 18 | 17 44 | 18 6 | 25 29 | | | n.a. |
| W23 | 6 3 | 13 41 | 0 55 | 13 49 | 2 3 | 1 40 | 0 38 | 25 39 | 2 27 | 10 57 | 1 16 | 24 49 | 1 13 | 15 23 | 0 8 | 11 51 | 2 2 | 34 13 | 10 17 | 17 43 | 18 5 | 25 27 | | | n.a. |
| T 24 | 5 40 | 18 40 | 0s14 | 13 4 | 1 58 | 1 8 | 0 36 | 25 41 | 2 26 | 10 52 | 1 16 | 24 49 | 1 13 | 15 24 | 0 8 | 11 52 | 2 2 | 34 13 | 10 17 | 17 43 | 18 4 | 25 26 | | | n.a. |
| F 25 | 5 17 | 22 40 | 1 20 | 12 17 | 1 52 | 0 36 | 0 34 | 25 42 | 2 24 | 10 46 | 1 16 | 24 49 | 1 13 | 15 25 | 0 8 | 11 52 | 2 1 | 34 12 | 10 17 | 17 43 | 18 3 | 25 25 | | | n.a. |
| S 26 | 4 54 | 25 32 | 2 21 | 11 28 | 1 46 | 0 4 | 0 32 | 25 43 | 2 23 | 10 41 | 1 16 | 24 49 | 1 13 | 15 26 | 0 8 | 11 53 | 2 1 | 34 12 | 10 17 | 17 43 | 18 2 | 25 24 | | | n.a. |
| S 27 | 4 31 | 27 10 | 3 15 | 10 37 | 1 39 | 0n28 | 0 30 | 25 45 | 2 22 | 10 36 | 1 17 | 24 49 | 1 13 | 15 26 | 0 8 | 11 53 | 2 1 | 34 12 | 10 16 | 17 43 | 18 1 | 25 23 | | | n.a. |
| M28 | 4 8 | 27 30 | 3 59 | 9 45 | 1 32 | 1 0 | 0 27 | 25 46 | 2 21 | 10 31 | 1 17 | 24 49 | 1 13 | 15 27 | 0 8 | 11 54 | 2 1 | 34 12 | 10 16 | 17 42 | 18 1 | 25 22 | | | n.a. |
| T 29 | 3 45 | 26 35 | 4 33 | 8 51 | 1 24 | 1 32 | 0 25 | 25 47 | 2 20 | 10 25 | 1 17 | 24 49 | 1 13 | 15 28 | 0 8 | 11 55 | 2 1 | 34 11 | 10 16 | 17 41 | 18 0 | 25 20 | | | n.a. |
| W30 | 3 22 | 24 28 | 4 55 | 7 55 | 1 15 | 2 4 | 0 23 | 25 48 | 2 19 | 10 20 | 1 17 | 24 49 | 1 13 | 15 29 | 0 8 | 11 55 | 2 1 | 34 11 | 10 16 | 17 39 | 17 59 | 25 19 | | | n.a. |
| T 31 | 2s59 | 21s17 | 5s 4 | 6s58 | 1s 7 | 2n35 | 0s20 | 25n49 | 2n18 | 10s15 | 1s17 | 24n49 | 1n13 | 15n30 | 0s 8 | 11n56 | 2n 1 | 34n11 | 10n16 | 17n37 | 17n58 | 25s18 | | | n.a. |

Julian Day Number = 991347.5, Delta T = 13h02m06s
Ecliptic obliquity = 23°55'33, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'50, Lahiri = -31°30'50 Julian Calendar 1 March 1999 BCE == Greg. Calendar 12 Feb. 1999 BCE

The year -1998 astronomical counting style corresponds to year 1999 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## APRIL 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 28 49 | 23♓35'17 | 27♒46 | 17♓17 | 8♈23 | 20♊20 | 7♓22 | 9♋12 | 11♉40 | 4°R29 | 0♋35 | 18°R 6 | 19♉28 | 0♒ 5 | n.a. | F 1 |
| S 2 | 11 32 45 | 24°32'51 | 9♓57 | 19°24 | 9°37 | 20°47 | 7°36 | 9°13 | 11°42 | 4♍27 | 0°35 | 17♉56 | 19°25 | 0°12 | n.a. | S 2 |
| S 3 | 11 36 42 | 25°30'24 | 22°18 | 21°32 | 10°50 | 21°14 | 7°50 | 9°13 | 11°45 | 4°26 | 0°35 | 17°47 | 19°21 | 0°19 | n.a. | S 3 |
| M 4 | 11 40 38 | 26°27'56 | 4♈51 | 23°42 | 12° 4 | 21°42 | 8° 4 | 9°14 | 11°48 | 4°24 | 0°35 | 17°39 | 19°18 | 0°26 | n.a. | M 4 |
| T 5 | 11 44 35 | 27°25'26 | 17°35 | 25°52 | 13°17 | 22°10 | 8°18 | 9°14 | 11°51 | 4°23 | 0°35 | 17°33 | 19°15 | 0°32 | n.a. | T 5 |
| W 6 | 11 48 31 | 28°22'55 | 0♉30 | 28° 2 | 14°30 | 22°38 | 8°32 | 9°15 | 11°53 | 4°22 | 0°35 | 17°29 | 19°12 | 0°39 | n.a. | W 6 |
| T 7 | 11 52 28 | 29°20'22 | 13°37 | 0♈13 | 15°44 | 23° 6 | 8°45 | 9°16 | 11°56 | 4°20 | 0°36 | 17°D28 | 19° 9 | 0°46 | n.a. | T 7 |
| F 8 | 11 56 24 | 0♈17'48 | 26°57 | 2°25 | 16°57 | 23°34 | 8°59 | 9°17 | 11°59 | 4°19 | 0°36 | 17°28 | 19° 6 | 0°52 | n.a. | F 8 |
| S 9 | 12 0 21 | 1°15'13 | 10♊30 | 4°36 | 18°11 | 24° 3 | 9°13 | 9°18 | 12° 2 | 4°17 | 0°36 | 17°29 | 19° 2 | 0°59 | n.a. | S 9 |
| S 10 | 12 4 17 | 2°12'37 | 24°17 | 6°46 | 19°24 | 24°32 | 9°26 | 9°19 | 12° 5 | 4°16 | 0°36 | 17°30 | 18°59 | 1° 6 | n.a. | S 10 |
| M11 | 12 8 14 | 3° 9'59 | 8♋18 | 8°56 | 20°37 | 25° 1 | 9°40 | 9°21 | 12° 8 | 4°14 | 0°37 | 17°R30 | 18°56 | 1°13 | n.a. | M11 |
| T 12 | 12 12 11 | 4° 7'19 | 22°33 | 11° 5 | 21°50 | 25°30 | 9°54 | 9°22 | 12°11 | 4°13 | 0°37 | 17°29 | 18°53 | 1°19 | n.a. | T 12 |
| W13 | 12 16 7 | 5° 4'38 | 7♌ 0 | 13°13 | 23° 4 | 25°59 | 10° 7 | 9°24 | 12°14 | 4°12 | 0°38 | 17°26 | 18°50 | 1°26 | n.a. | W13 |
| T 14 | 12 20 4 | 6° 1'56 | 21°34 | 15°19 | 24°17 | 26°29 | 10°21 | 9°25 | 12°17 | 4°10 | 0°38 | 17°21 | 18°46 | 1°33 | n.a. | T 14 |
| F 15 | 12 24 0 | 6°59'12 | 6♍11 | 17°23 | 25°30 | 26°58 | 10°34 | 9°27 | 12°20 | 4° 9 | 0°38 | 17°15 | 18°43 | 1°39 | n.a. | F 15 |
| S 16 | 12 27 57 | 7°56'27 | 20°43 | 19°26 | 26°43 | 27°28 | 10°48 | 9°29 | 12°23 | 4° 8 | 0°39 | 17° 9 | 18°40 | 1°46 | n.a. | S 16 |
| S 17 | 12 31 53 | 8°53'41 | 5♎ 5 | 21°27 | 27°56 | 27°58 | 11° 1 | 9°30 | 12°27 | 4° 6 | 0°39 | 17° 4 | 18°37 | 1°53 | n.a. | S 17 |
| M18 | 12 35 50 | 9°50'55 | 19° 9 | 23°25 | 29°10 | 28°29 | 11°14 | 9°32 | 12°30 | 4° 5 | 0°40 | 17° 0 | 18°34 | 2° 0 | n.a. | M18 |
| T 19 | 12 39 46 | 10°48'07 | 2♏53 | 25°21 | 0♉23 | 28°59 | 11°28 | 9°34 | 12°33 | 4° 4 | 0°40 | 16°57 | 18°31 | 2° 6 | n.a. | T 19 |
| W20 | 12 43 43 | 11°45'18 | 16°14 | 27°15 | 1°36 | 29°29 | 11°41 | 9°37 | 12°36 | 4° 3 | 0°41 | 16°D57 | 18°27 | 2°13 | n.a. | W20 |
| T 21 | 12 47 40 | 12°42'30 | 29°12 | 29° 6 | 2°49 | 0♋ 0 | 11°54 | 9°39 | 12°39 | 4° 2 | 0°42 | 16°57 | 18°24 | 2°20 | n.a. | T 21 |
| F 22 | 12 51 36 | 13°39'40 | 11♐49 | 0♉55 | 4° 2 | 0°31 | 12° 7 | 9°41 | 12°43 | 4° 0 | 0°42 | 16°59 | 18°21 | 2°26 | n.a. | F 22 |
| S 23 | 12 55 33 | 14°36'50 | 24° 9 | 2°42 | 5°15 | 1° 2 | 12°20 | 9°44 | 12°46 | 3°59 | 0°43 | 17° 0 | 18°18 | 2°33 | n.a. | S 23 |
| S 24 | 12 59 29 | 15°33'59 | 6♑14 | 4°25 | 6°28 | 1°33 | 12°33 | 9°46 | 12°49 | 3°58 | 0°44 | 17° 1 | 18°15 | 2°40 | n.a. | S 24 |
| M25 | 13 3 26 | 16°31'08 | 18°11 | 6° 6 | 7°41 | 2° 5 | 12°46 | 9°49 | 12°53 | 3°57 | 0°44 | 17°R 2 | 18°11 | 2°47 | n.a. | M25 |
| T 26 | 13 7 22 | 17°28'17 | 0♒ 4 | 7°45 | 8°54 | 2°36 | 12°59 | 9°52 | 12°56 | 3°56 | 0°45 | 17° 1 | 18° 8 | 2°53 | n.a. | T 26 |
| W27 | 13 11 19 | 18°25'25 | 11°58 | 9°21 | 10° 7 | 3° 8 | 13°12 | 9°54 | 12°59 | 3°55 | 0°46 | 16°59 | 18° 5 | 3° 0 | n.a. | W27 |
| T 28 | 13 15 16 | 19°22'33 | 23°56 | 10°54 | 11°20 | 3°40 | 13°25 | 9°57 | 13° 3 | 3°54 | 0°47 | 16°56 | 18° 2 | 3° 7 | n.a. | T 28 |
| F 29 | 13 19 12 | 20°19'41 | 6♓ 3 | 12°25 | 12°33 | 4°12 | 13°37 | 10° 0 | 13° 6 | 3°53 | 0°48 | 16°52 | 17°59 | 3°13 | n.a. | F 29 |
| S 30 | 13 23 9 | 21♈16'48 | 18♓22 | 13♉52 | 13♉46 | 4♋44 | 13♓50 | 10♋ 3 | 13♉ 9 | 3♍52 | 0♋48 | 16♉48 | 17♉56 | 3♒20 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 2s36 | 17s11 | 5s 0 | 6s 0 | 0s57 | 3n 7 | 0s18 | 25n50 | 2n16 | 10s10 | 1s17 | 24n48 | 1n13 | 15n31 | 0s 8 | 11n56 | 2n 1 | 34n11 | 10n15 | 17n34 | 17n57 | 25s17 | | n.a. |
| S 2 | 2 13 | 12 20 | 4 43 | 5 1 | 0 48 | 3 39 | 0 16 | 25 51 | 2 15 | 10 4 | 1 17 | 24 48 | 1 13 | 15 31 | 0 8 | 11 57 | 2 1 | 34 11 | 10 15 | 17 31 | 17 56 | 25 15 | | n.a. |
| S 3 | 1 49 | 6 57 | 4 12 | 4 0 | 0 38 | 4 10 | 0 13 | 25 52 | 2 14 | 9 59 | 1 17 | 24 48 | 1 13 | 15 32 | 0 8 | 11 57 | 2 1 | 34 10 | 10 15 | 17 29 | 17 55 | 25 14 | | n.a. |
| M 4 | 1 26 | 1 13 | 3 28 | 2 59 | 0 28 | 4 42 | 0 11 | 25 52 | 2 13 | 9 54 | 1 17 | 24 48 | 1 13 | 15 33 | 0 8 | 11 58 | 2 1 | 34 10 | 10 15 | 17 26 | 17 54 | 25 13 | | n.a. |
| T 5 | 1 3 | 4n41 | 2 34 | 1 57 | 0 18 | 5 13 | 0 8 | 25 53 | 2 12 | 9 49 | 1 17 | 24 48 | 1 13 | 15 34 | 0 8 | 11 59 | 2 1 | 34 10 | 10 14 | 17 25 | 17 54 | 25 12 | | n.a. |
| W 6 | 0 39 | 10 29 | 1 30 | 0 54 | 0 7 | 5 45 | 0 6 | 25 54 | 2 11 | 9 43 | 1 17 | 24 48 | 1 13 | 15 35 | 0 8 | 11 59 | 2 1 | 34 10 | 10 14 | 17 24 | 17 53 | 25 11 | | n.a. |
| T 7 | 0 16 | 15 55 | 0 21 | 0n 9 | 0n 3 | 6 16 | 0 3 | 25 54 | 2 10 | 9 38 | 1 17 | 24 48 | 1 12 | 15 36 | 0 8 | 12 0 | 2 1 | 34 9 | 10 14 | 17 23 | 17 52 | 25 9 | | n.a. |
| F 8 | 0n 7 | 20 42 | 0n51 | 1 11 | 0 14 | 6 47 | 0 1 | 25 55 | 2 9 | 9 33 | 1 17 | 24 48 | 1 12 | 15 37 | 0 8 | 12 0 | 2 1 | 34 9 | 10 14 | 17 23 | 17 51 | 25 8 | | n.a. |
| S 9 | 0 31 | 24 28 | 2 1 | 2 14 | 0 24 | 7 18 | 0n 2 | 25 55 | 2 8 | 9 28 | 1 17 | 24 48 | 1 12 | 15 38 | 0 8 | 12 1 | 2 1 | 34 9 | 10 14 | 17 24 | 17 50 | 25 7 | | n.a. |
| S 10 | 0 54 | 26 53 | 3 5 | 3 16 | 0 35 | 7 48 | 0 4 | 25 55 | 2 7 | 9 23 | 1 17 | 24 48 | 1 12 | 15 39 | 0 8 | 12 1 | 2 1 | 34 9 | 10 13 | 17 24 | 17 49 | 25 5 | | n.a. |
| M11 | 1 17 | 27 39 | 4 0 | 4 18 | 0 45 | 8 19 | 0 7 | 25 55 | 2 6 | 9 17 | 1 17 | 24 47 | 1 12 | 15 40 | 0 8 | 12 2 | 2 1 | 34 9 | 10 13 | 17 24 | 17 48 | 25 4 | | n.a. |
| T 12 | 1 40 | 26 36 | 4 40 | 5 19 | 0 55 | 8 49 | 0 9 | 25 55 | 2 5 | 9 12 | 1 17 | 24 47 | 1 12 | 15 41 | 0 8 | 12 2 | 2 1 | 34 8 | 10 13 | 17 24 | 17 47 | 25 3 | | n.a. |
| W13 | 2 3 | 23 47 | 5 4 | 6 18 | 1 4 | 9 20 | 0 12 | 25 55 | 2 4 | 9 7 | 1 17 | 24 47 | 1 12 | 15 42 | 0 8 | 12 3 | 2 1 | 34 8 | 10 13 | 17 23 | 17 46 | 25 2 | | n.a. |
| T 14 | 2 27 | 19 27 | 5 8 | 7 16 | 1 13 | 9 49 | 0 15 | 25 55 | 2 3 | 9 2 | 1 17 | 24 47 | 1 12 | 15 43 | 0 8 | 12 3 | 2 1 | 34 8 | 10 12 | 17 21 | 17 46 | 25 0 | | n.a. |
| F 15 | 2 50 | 13 56 | 4 52 | 8 13 | 1 22 | 10 19 | 0 17 | 25 55 | 2 2 | 8 57 | 1 18 | 24 47 | 1 12 | 15 44 | 0 8 | 12 3 | 2 1 | 34 8 | 10 12 | 17 20 | 17 45 | 24 59 | | n.a. |
| S 16 | 3 13 | 7 41 | 4 18 | 9 9 | 1 30 | 10 49 | 0 20 | 25 55 | 2 1 | 8 52 | 1 18 | 24 47 | 1 12 | 15 44 | 0 8 | 12 4 | 2 1 | 34 7 | 10 12 | 17 18 | 17 44 | 24 58 | | n.a. |
| S 17 | 3 36 | 1 6 | 3 28 | 10 2 | 1 38 | 11 18 | 0 22 | 25 54 | 2 0 | 8 47 | 1 18 | 24 46 | 1 12 | 15 45 | 0 8 | 12 4 | 2 1 | 34 7 | 10 12 | 17 16 | 17 43 | 24 56 | | n.a. |
| M18 | 3 59 | 5s25 | 2 25 | 10 54 | 1 45 | 11 47 | 0 25 | 25 54 | 1 59 | 8 41 | 1 18 | 24 46 | 1 12 | 15 46 | 0 8 | 12 5 | 2 1 | 34 7 | 10 12 | 17 15 | 17 42 | 24 55 | | n.a. |
| T 19 | 4 22 | 11 32 | 1 16 | 11 43 | 1 51 | 12 16 | 0 27 | 25 53 | 1 58 | 8 36 | 1 18 | 24 46 | 1 12 | 15 47 | 0 8 | 12 5 | 2 1 | 34 7 | 10 11 | 17 14 | 17 41 | 24 54 | | n.a. |
| W20 | 4 44 | 16 58 | 0 4 | 12 31 | 1 57 | 12 44 | 0 30 | 25 52 | 1 57 | 8 31 | 1 18 | 24 46 | 1 12 | 15 48 | 0 8 | 12 6 | 2 1 | 34 7 | 10 11 | 17 14 | 17 40 | 24 52 | | n.a. |
| T 21 | 5 7 | 21 28 | 1s 6 | 13 17 | 2 2 | 13 12 | 0 32 | 25 51 | 1 56 | 8 26 | 1 18 | 24 46 | 1 12 | 15 49 | 0 8 | 12 6 | 2 1 | 34 6 | 10 11 | 17 14 | 17 39 | 24 51 | | n.a. |
| F 22 | 5 30 | 24 50 | 2 12 | 14 0 | 2 7 | 13 40 | 0 35 | 25 50 | 1 55 | 8 21 | 1 18 | 24 45 | 1 12 | 15 51 | 0 8 | 12 6 | 2 1 | 34 6 | 10 11 | 17 15 | 17 38 | 24 50 | | n.a. |
| S 23 | 5 52 | 26 56 | 3 9 | 14 41 | 2 10 | 14 7 | 0 37 | 25 49 | 1 54 | 8 16 | 1 18 | 24 45 | 1 12 | 15 52 | 0 8 | 12 7 | 2 1 | 34 6 | 10 10 | 17 15 | 17 38 | 24 48 | | n.a. |
| S 24 | 6 15 | 27 43 | 3 57 | 15 20 | 2 13 | 14 34 | 0 40 | 25 48 | 1 53 | 8 11 | 1 18 | 24 45 | 1 12 | 15 53 | 0 8 | 12 7 | 2 1 | 34 6 | 10 10 | 17 16 | 17 37 | 24 47 | | n.a. |
| M25 | 6 37 | 27 11 | 4 34 | 15 57 | 2 16 | 15 1 | 0 42 | 25 46 | 1 52 | 8 6 | 1 18 | 24 45 | 1 12 | 15 54 | 0 8 | 12 8 | 2 1 | 34 5 | 10 10 | 17 16 | 17 36 | 24 45 | | n.a. |
| T 26 | 7 0 | 25 25 | 4 59 | 16 32 | 2 17 | 15 27 | 0 45 | 25 45 | 1 51 | 8 1 | 1 19 | 24 45 | 1 12 | 15 55 | 0 8 | 12 8 | 2 1 | 34 5 | 10 10 | 17 16 | 17 35 | 24 44 | | n.a. |
| W27 | 7 22 | 22 31 | 5 11 | 17 5 | 2 18 | 15 53 | 0 47 | 25 43 | 1 50 | 7 56 | 1 19 | 24 44 | 1 12 | 15 56 | 0 8 | 12 8 | 2 1 | 34 5 | 10 10 | 17 15 | 17 34 | 24 43 | | n.a. |
| T 28 | 7 44 | 18 40 | 5 10 | 17 35 | 2 18 | 16 19 | 0 49 | 25 41 | 1 49 | 7 51 | 1 19 | 24 44 | 1 12 | 15 57 | 0 8 | 12 9 | 2 1 | 34 5 | 10 9 | 17 14 | 17 33 | 24 41 | | n.a. |
| F 29 | 8 6 | 14 2 | 4 55 | 18 3 | 2 18 | 16 44 | 0 52 | 25 39 | 1 48 | 7 46 | 1 19 | 24 44 | 1 12 | 15 58 | 0 8 | 12 9 | 2 1 | 34 5 | 10 9 | 17 13 | 17 32 | 24 40 | | n.a. |
| S 30 | 8n28 | 8s46 | 4s27 | 18n29 | 2n16 | 17n 9 | 0n54 | 25n37 | 1n47 | 7s42 | 1s19 | 24n43 | 1n12 | 15n59 | 0s 8 | 12n 9 | 2n 0 | 34n 4 | 10n 9 | 17n12 | 17n31 | 24s38 | | n.a. |

Julian Day Number = 991378.5, Delta T = 13h02m04s
Ecliptic obliquity = 23°55'33, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'46, Lahiri = -31°30'46 Julian Calendar 1 Apr. 1999 BCE == Greg. Calendar 15 March 1999 BCE


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## MAY 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 27 5 | 22♈13'54 | 0♈54 | 15♉18 | 14♉58 | 5♋16 | 14♓ 3 | 10♋ 7 | 13♉13 | 3°R51 | 0♋49 | 16°R44 | 17♉52 | 3♒27 | n.a. | S 1 |
| M 2 | 13 31 2 | 23°11'00 | 13°41 | 16°40 | 16°11 | 5°48 | 14°15 | 10°10 | 13°16 | 3♍50 | 0°50 | 16♉41 | 17°49 | 3°34 | n.a. | M 2 |
| T 3 | 13 34 58 | 24° 8'06 | 26°43 | 17°59 | 17°24 | 6°21 | 14°28 | 10°13 | 13°20 | 3°49 | 0°51 | 16°38 | 17°46 | 3°40 | n.a. | T 3 |
| W 4 | 13 38 55 | 25° 5'12 | 10♉ 0 | 19°16 | 18°37 | 6°53 | 14°40 | 10°17 | 13°23 | 3°48 | 0°52 | 16°37 | 17°43 | 3°47 | n.a. | W 4 |
| T 5 | 13 42 51 | 26° 2'17 | 23°31 | 20°30 | 19°50 | 7°26 | 14°53 | 10°20 | 13°27 | 3°47 | 0°53 | 16°D37 | 17°40 | 3°54 | n.a. | T 5 |
| F 6 | 13 46 48 | 26°59'22 | 7♊14 | 21°41 | 21° 3 | 7°59 | 15° 5 | 10°24 | 13°30 | 3°46 | 0°54 | 16°38 | 17°37 | 4° 1 | n.a. | F 6 |
| S 7 | 13 50 45 | 27°56'26 | 21° 7 | 22°48 | 22°15 | 8°32 | 15°17 | 10°28 | 13°34 | 3°46 | 0°55 | 16°39 | 17°33 | 4° 7 | n.a. | S 7 |
| S 8 | 13 54 41 | 28°53'30 | 5♋ 9 | 23°53 | 23°28 | 9° 5 | 15°29 | 10°31 | 13°37 | 3°45 | 0°56 | 16°41 | 17°30 | 4°14 | n.a. | S 8 |
| M 9 | 13 58 38 | 29°50'34 | 19°17 | 24°55 | 24°41 | 9°39 | 15°41 | 10°35 | 13°41 | 3°44 | 0°57 | 16°41 | 17°27 | 4°21 | n.a. | M 9 |
| T 10 | 14 2 34 | 0♉47'37 | 3♌30 | 25°53 | 25°53 | 10°12 | 15°53 | 10°39 | 13°44 | 3°43 | 0°58 | 16°R42 | 17°24 | 4°27 | n.a. | T 10 |
| W11 | 14 6 31 | 1°44'39 | 17°46 | 26°48 | 27° 6 | 10°46 | 16° 5 | 10°43 | 13°48 | 3°43 | 0°59 | 16°41 | 17°21 | 4°34 | n.a. | W11 |
| T 12 | 14 10 27 | 2°41'41 | 2♍ 1 | 27°39 | 28°19 | 11°20 | 16°17 | 10°47 | 13°51 | 3°42 | 1° 1 | 16°40 | 17°17 | 4°41 | n.a. | T 12 |
| F 13 | 14 14 24 | 3°38'42 | 16°13 | 28°27 | 29°31 | 11°53 | 16°29 | 10°52 | 13°55 | 3°41 | 1° 2 | 16°39 | 17°14 | 4°48 | n.a. | F 13 |
| S 14 | 14 18 21 | 4°35'43 | 0♎17 | 29°11 | 0♊44 | 12°27 | 16°40 | 10°56 | 13°59 | 3°41 | 1° 3 | 16°37 | 17°11 | 4°54 | n.a. | S 14 |
| S 15 | 14 22 17 | 5°32'44 | 14°11 | 29°52 | 1°56 | 13° 1 | 16°52 | 11° 0 | 14° 2 | 3°40 | 1° 4 | 16°36 | 17° 8 | 5° 1 | n.a. | S 15 |
| M16 | 14 26 14 | 6°29'45 | 27°52 | 0♊28 | 3° 9 | 13°36 | 17° 3 | 11° 5 | 14° 6 | 3°40 | 1° 5 | 16°35 | 17° 5 | 5° 8 | n.a. | M16 |
| T 17 | 14 30 10 | 7°26'46 | 11♏16 | 1° 1 | 4°21 | 14°10 | 17°15 | 11° 9 | 14° 9 | 3°39 | 1° 7 | 16°D34 | 17° 2 | 5°14 | n.a. | T 17 |
| W18 | 14 34 7 | 8°23'47 | 24°23 | 1°29 | 5°34 | 14°44 | 17°26 | 11°14 | 14°13 | 3°39 | 1° 8 | 16°34 | 16°58 | 5°21 | n.a. | W18 |
| T 19 | 14 38 3 | 9°20'49 | 7♐13 | 1°53 | 6°46 | 15°19 | 17°37 | 11°18 | 14°17 | 3°38 | 1° 9 | 16°35 | 16°55 | 5°28 | n.a. | T 19 |
| F 20 | 14 42 0 | 10°17'50 | 19°45 | 2°13 | 7°59 | 15°53 | 17°49 | 11°23 | 14°20 | 3°38 | 1°11 | 16°35 | 16°52 | 5°35 | n.a. | F 20 |
| S 21 | 14 45 57 | 11°14'52 | 2♑ 3 | 2°28 | 9°11 | 16°28 | 18° 0 | 11°28 | 14°24 | 3°37 | 1°12 | 16°36 | 16°49 | 5°41 | n.a. | S 21 |
| S 22 | 14 49 53 | 12°11'55 | 14° 9 | 2°38 | 10°23 | 17° 3 | 18°11 | 11°33 | 14°28 | 3°37 | 1°13 | 16°36 | 16°46 | 5°48 | n.a. | S 22 |
| M23 | 14 53 50 | 13° 8'58 | 26° 7 | 2°44 | 11°36 | 17°38 | 18°22 | 11°38 | 14°31 | 3°37 | 1°15 | 16°37 | 16°43 | 5°55 | n.a. | M23 |
| T 24 | 14 57 46 | 14° 6'02 | 8♒ 1 | 2°R45 | 12°48 | 18°13 | 18°32 | 11°43 | 14°35 | 3°36 | 1°16 | 16°37 | 16°39 | 6° 2 | n.a. | T 24 |
| W25 | 15 1 43 | 15° 3'06 | 19°55 | 2°42 | 14° 0 | 18°48 | 18°43 | 11°48 | 14°38 | 3°36 | 1°18 | 16°R37 | 16°36 | 6° 8 | n.a. | W25 |
| T 26 | 15 5 39 | 16° 0'10 | 1♓54 | 2°34 | 15°12 | 19°23 | 18°54 | 11°53 | 14°42 | 3°36 | 1°19 | 16°37 | 16°33 | 6°15 | n.a. | T 26 |
| F 27 | 15 9 36 | 16°57'16 | 14° 3 | 2°21 | 16°25 | 19°59 | 19° 4 | 11°58 | 14°46 | 3°36 | 1°20 | 16°D37 | 16°30 | 6°22 | n.a. | F 27 |
| S 28 | 15 13 32 | 17°54'21 | 26°25 | 2° 4 | 17°37 | 20°34 | 19°15 | 12° 3 | 14°49 | 3°35 | 1°22 | 16°37 | 16°27 | 6°28 | n.a. | S 28 |
| S 29 | 15 17 29 | 18°51'28 | 9♈ 3 | 1°42 | 18°49 | 21°10 | 19°25 | 12° 9 | 14°53 | 3°35 | 1°23 | 16°37 | 16°23 | 6°35 | n.a. | S 29 |
| M30 | 15 21 26 | 19°48'35 | 22° 1 | 1°16 | 20° 1 | 21°46 | 19°35 | 12°14 | 14°57 | 3°35 | 1°25 | 16°37 | 16°20 | 6°42 | n.a. | M30 |
| T 31 | 15 25 22 | 20♉45'43 | 5♉19 | 0♊47 | 21♊13 | 22♋21 | 19♓45 | 12♋20 | 15♉ 0 | 3♍35 | 1♋27 | 16♉38 | 16♉17 | 6♒49 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 8n50 | 3s 4 | 3s45 | 18n53 | 2n14 | 17n33 | 0n56 | 25n35 | 1n46 | 7s37 | 1s19 | 24n43 | 1n11 | 16n 0 | 0s 8 | 12n10 | 2n 0 | 34n 4 | 10n 9 | 17n11 | 17n30 | 24s37 | | | n.a. |
| M 2 | 9 11 | 2n53 | 2 51 | 19 15 | 2 12 | 17 57 | 0 59 | 25 32 | 1 45 | 7 32 | 1 19 | 24 43 | 1 11 | 16 1 | 0 8 | 12 10 | 2 0 | 34 4 | 10 9 | 17 10 | 17 29 | 24 35 | | | n.a. |
| T 3 | 9 33 | 8 51 | 1 47 | 19 35 | 2 8 | 18 21 | 1 1 | 25 30 | 1 44 | 7 27 | 1 19 | 24 43 | 1 11 | 16 2 | 0 8 | 12 10 | 2 0 | 34 4 | 10 8 | 17 9 | 17 28 | 24 34 | | | n.a. |
| W 4 | 9 54 | 14 32 | 0 36 | 19 53 | 2 4 | 18 44 | 1 3 | 25 27 | 1 43 | 7 22 | 1 19 | 24 42 | 1 11 | 16 3 | 0 8 | 12 11 | 2 0 | 34 4 | 10 8 | 17 9 | 17 28 | 24 33 | | | n.a. |
| T 5 | 10 15 | 19 39 | 0n38 | 20 9 | 1 59 | 19 6 | 1 5 | 25 25 | 1 42 | 7 18 | 1 20 | 24 42 | 1 11 | 16 4 | 0 8 | 12 11 | 2 0 | 34 3 | 10 8 | 17 9 | 17 27 | 24 31 | | | n.a. |
| F 6 | 10 36 | 23 47 | 1 51 | 20 23 | 1 54 | 19 28 | 1 8 | 25 22 | 1 41 | 7 13 | 1 20 | 24 42 | 1 11 | 16 5 | 0 8 | 12 11 | 2 0 | 34 3 | 10 8 | 17 9 | 17 26 | 24 30 | | | n.a. |
| S 7 | 10 57 | 26 36 | 2 59 | 20 35 | 1 48 | 19 49 | 1 10 | 25 19 | 1 40 | 7 8 | 1 20 | 24 41 | 1 11 | 16 6 | 0 8 | 12 11 | 2 0 | 34 3 | 10 8 | 17 9 | 17 25 | 24 28 | | | n.a. |
| S 8 | 11 18 | 27 46 | 3 56 | 20 45 | 1 41 | 20 10 | 1 12 | 25 15 | 1 39 | 7 3 | 1 20 | 24 41 | 1 11 | 16 8 | 0 8 | 12 12 | 2 0 | 34 3 | 10 7 | 17 10 | 17 24 | 24 27 | | | n.a. |
| M 9 | 11 39 | 27 8 | 4 40 | 20 53 | 1 33 | 20 31 | 1 14 | 25 12 | 1 38 | 6 59 | 1 20 | 24 41 | 1 11 | 16 9 | 0 8 | 12 12 | 2 0 | 34 3 | 10 7 | 17 10 | 17 23 | 24 25 | | | n.a. |
| T 10 | 11 59 | 24 44 | 5 7 | 21 0 | 1 25 | 20 51 | 1 16 | 25 9 | 1 37 | 6 54 | 1 20 | 24 40 | 1 11 | 16 10 | 0 8 | 12 12 | 2 0 | 34 2 | 10 7 | 17 10 | 17 22 | 24 24 | | | n.a. |
| W11 | 12 19 | 20 48 | 5 15 | 21 4 | 1 16 | 21 10 | 1 18 | 25 5 | 1 36 | 6 50 | 1 20 | 24 40 | 1 11 | 16 11 | 0 8 | 12 12 | 2 0 | 34 2 | 10 7 | 17 10 | 17 21 | 24 22 | | | n.a. |
| T 12 | 12 39 | 15 41 | 5 4 | 21 7 | 1 7 | 21 29 | 1 20 | 25 1 | 1 36 | 6 45 | 1 21 | 24 39 | 1 11 | 16 12 | 0 8 | 12 12 | 2 0 | 34 2 | 10 7 | 17 9 | 17 20 | 24 21 | | | n.a. |
| F 13 | 12 59 | 9 45 | 4 35 | 21 8 | 0 56 | 21 47 | 1 21 | 24 57 | 1 35 | 6 41 | 1 21 | 24 39 | 1 11 | 16 13 | 0 8 | 12 13 | 2 0 | 34 2 | 10 7 | 17 9 | 17 19 | 24 19 | | | n.a. |
| S 14 | 13 19 | 3 22 | 3 49 | 21 7 | 0 46 | 22 4 | 1 23 | 24 53 | 1 34 | 6 36 | 1 21 | 24 39 | 1 11 | 16 14 | 0 8 | 12 13 | 2 0 | 34 2 | 10 6 | 17 9 | 17 18 | 24 18 | | | n.a. |
| S 15 | 13 38 | 3s 6 | 2 50 | 21 5 | 0 34 | 22 21 | 1 25 | 24 49 | 1 33 | 6 32 | 1 21 | 24 38 | 1 11 | 16 15 | 0 8 | 12 13 | 2 0 | 34 2 | 10 6 | 17 8 | 17 18 | 24 16 | | | n.a. |
| M16 | 13 57 | 9 21 | 1 42 | 21 1 | 0 22 | 22 38 | 1 27 | 24 44 | 1 32 | 6 27 | 1 21 | 24 38 | 1 11 | 16 16 | 0 8 | 12 13 | 2 0 | 34 1 | 10 6 | 17 8 | 17 17 | 24 15 | | | n.a. |
| T 17 | 14 16 | 15 3 | 0 29 | 20 56 | 0 9 | 22 53 | 1 28 | 24 40 | 1 31 | 6 23 | 1 21 | 24 38 | 1 11 | 16 17 | 0 8 | 12 13 | 2 0 | 34 1 | 10 6 | 17 8 | 17 16 | 24 13 | | | n.a. |
| W18 | 14 35 | 19 57 | 0s43 | 20 49 | 0s 4 | 23 8 | 1 30 | 24 35 | 1 30 | 6 18 | 1 21 | 24 37 | 1 11 | 16 19 | 0 8 | 12 13 | 2 0 | 34 1 | 10 6 | 17 8 | 17 15 | 24 12 | | | n.a. |
| T 19 | 14 54 | 23 47 | 1 52 | 20 41 | 0 17 | 23 23 | 1 31 | 24 30 | 1 29 | 6 14 | 1 22 | 24 37 | 1 11 | 16 20 | 0 8 | 12 14 | 2 0 | 34 1 | 10 6 | 17 8 | 17 14 | 24 10 | | | n.a. |
| F 20 | 15 12 | 26 24 | 2 54 | 20 31 | 0 31 | 23 37 | 1 33 | 24 25 | 1 28 | 6 10 | 1 22 | 24 36 | 1 11 | 16 21 | 0 8 | 12 14 | 1 59 | 34 1 | 10 5 | 17 8 | 17 13 | 24 8 | | | n.a. |
| S 21 | 15 30 | 27 41 | 3 46 | 20 20 | 0 46 | 23 50 | 1 34 | 24 20 | 1 27 | 6 5 | 1 22 | 24 36 | 1 11 | 16 22 | 0 8 | 12 14 | 1 59 | 34 0 | 10 5 | 17 8 | 17 12 | 24 7 | | | n.a. |
| S 22 | 15 48 | 27 35 | 4 27 | 20 7 | 1 1 | 24 2 | 1 36 | 24 15 | 1 27 | 6 1 | 1 22 | 24 35 | 1 11 | 16 23 | 0 8 | 12 14 | 1 59 | 34 0 | 10 5 | 17 8 | 17 11 | 24 5 | | | n.a. |
| M23 | 16 6 | 26 12 | 4 57 | 19 54 | 1 16 | 24 14 | 1 37 | 24 9 | 1 26 | 5 57 | 1 22 | 24 35 | 1 11 | 16 24 | 0 8 | 12 14 | 1 59 | 34 0 | 10 5 | 17 8 | 17 10 | 24 4 | | | n.a. |
| T 24 | 16 24 | 23 40 | 5 13 | 19 39 | 1 31 | 24 25 | 1 38 | 24 3 | 1 25 | 5 53 | 1 22 | 24 34 | 1 11 | 16 25 | 0 8 | 12 14 | 1 59 | 34 0 | 10 5 | 17 9 | 17 9 | 24 2 | | | n.a. |
| W25 | 16 41 | 20 7 | 5 16 | 19 23 | 1 47 | 24 35 | 1 39 | 23 58 | 1 24 | 5 49 | 1 23 | 24 34 | 1 11 | 16 26 | 0 8 | 12 14 | 1 59 | 34 0 | 10 5 | 17 9 | 17 8 | 24 1 | | | n.a. |
| T 26 | 16 58 | 15 45 | 5 6 | 19 6 | 2 2 | 24 45 | 1 40 | 23 52 | 1 23 | 5 45 | 1 23 | 24 33 | 1 11 | 16 27 | 0 8 | 12 14 | 1 59 | 34 0 | 10 5 | 17 9 | 17 7 | 23 59 | | | n.a. |
| F 27 | 17 14 | 10 43 | 4 41 | 18 49 | 2 17 | 24 54 | 1 41 | 23 45 | 1 22 | 5 41 | 1 23 | 24 33 | 1 11 | 16 28 | 0 7 | 12 14 | 1 59 | 34 0 | 10 4 | 17 9 | 17 6 | 23 57 | | | n.a. |
| S 28 | 17 31 | 5 10 | 4 4 | 18 30 | 2 33 | 25 2 | 1 42 | 23 39 | 1 21 | 5 37 | 1 23 | 24 32 | 1 11 | 16 30 | 0 7 | 12 14 | 1 59 | 33 59 | 10 4 | 17 9 | 17 6 | 23 56 | | | n.a. |
| S 29 | 17 47 | 0n42 | 3 13 | 18 11 | 2 47 | 25 9 | 1 43 | 23 33 | 1 20 | 5 33 | 1 23 | 24 32 | 1 11 | 16 31 | 0 7 | 12 14 | 1 59 | 33 59 | 10 4 | 17 9 | 17 5 | 23 54 | | | n.a. |
| M30 | 18 3 | 6 42 | 2 12 | 17 52 | 3 2 | 25 16 | 1 44 | 23 26 | 1 19 | 5 29 | 1 23 | 24 31 | 1 11 | 16 32 | 0 7 | 12 14 | 1 59 | 33 59 | 10 4 | 17 9 | 17 4 | 23 52 | | | n.a. |
| T 31 | 18n18 | 12n35 | 1s 2 | 17n33 | 3s15 | 25n22 | 1n45 | 23n19 | 1n19 | 5s25 | 1s24 | 24n31 | 1n11 | 16n33 | 0s 7 | 12n14 | 1n59 | 33n59 | 10n 4 | 17n 9 | 17n 3 | 23s51 | | | n.a. |

Julian Day Number = 991408.5, Delta T = 13h02m01s
Ecliptic obliquity = 23°55'33, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'42, Lahiri = -31°30'42 Julian Calendar 1 May 1999 BCE == Greg. Calendar 14 Apr. 1999 BCE

The year -1998 astronomical counting style corresponds to year 1999 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## JUNE 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 29 19 | 21♉42'52 | 18♉56 | 0°R14 | 22♊25 | 22♋57 | 19♓55 | 12♋25 | 15♉ 4 | 3°R35 | 1♋28 | 16°R38 | 16♉14 | 6♒55 | n.a. | W 1 |
| T 2 | 15 33 15 | 22°40'02 | 2♊51 | 29♉39 | 23°37 | 23°33 | 20° 5 | 12°31 | 15° 7 | 3°D35 | 1°30 | 16♉38 | 16°11 | 7° 2 | n.a. | T 2 |
| F 3 | 15 37 12 | 23°37'12 | 17° 1 | 29° 1 | 24°49 | 24°10 | 20°15 | 12°36 | 15°11 | 3♍35 | 1°31 | 16°37 | 16° 8 | 7° 9 | n.a. | F 3 |
| S 4 | 15 41 8 | 24°34'22 | 1♋21 | 28°21 | 26° 1 | 24°46 | 20°24 | 12°42 | 15°15 | 3°35 | 1°33 | 16°36 | 16° 4 | 7°15 | n.a. | S 4 |
| S 5 | 15 45 5 | 25°31'34 | 15°46 | 27°41 | 27°13 | 25°22 | 20°34 | 12°48 | 15°18 | 3°35 | 1°35 | 16°35 | 16° 1 | 7°22 | n.a. | S 5 |
| M 6 | 15 49 2 | 26°28'45 | 0♌12 | 26°59 | 28°25 | 25°59 | 20°43 | 12°54 | 15°22 | 3°35 | 1°36 | 16°34 | 15°58 | 7°29 | n.a. | M 6 |
| T 7 | 15 52 58 | 27°25'57 | 14°34 | 26°19 | 29°37 | 26°35 | 20°53 | 13° 0 | 15°25 | 3°35 | 1°38 | 16°34 | 15°55 | 7°36 | n.a. | T 7 |
| W 8 | 15 56 55 | 28°23'10 | 28°48 | 25°39 | 0♋49 | 27°12 | 21° 2 | 13° 6 | 15°29 | 3°36 | 1°40 | 16°D33 | 15°52 | 7°42 | n.a. | W 8 |
| T 9 | 16 0 51 | 29°20'23 | 12♍53 | 25° 1 | 2° 1 | 27°48 | 21°11 | 13°12 | 15°32 | 3°36 | 1°41 | 16°34 | 15°49 | 7°49 | n.a. | T 9 |
| F 10 | 16 4 48 | 0♊17'36 | 26°46 | 24°25 | 3°12 | 28°25 | 21°20 | 13°18 | 15°36 | 3°36 | 1°43 | 16°34 | 15°45 | 7°56 | n.a. | F 10 |
| S 11 | 16 8 44 | 1°14'51 | 10♎27 | 23°53 | 4°24 | 29° 2 | 21°28 | 13°24 | 15°40 | 3°36 | 1°45 | 16°36 | 15°42 | 8° 3 | n.a. | S 11 |
| S 12 | 16 12 41 | 2°12'05 | 23°55 | 23°24 | 5°36 | 29°39 | 21°37 | 13°30 | 15°43 | 3°37 | 1°46 | 16°37 | 15°39 | 8° 9 | n.a. | S 12 |
| M13 | 16 16 37 | 3° 9'21 | 7♏10 | 23° 0 | 6°47 | 0♌16 | 21°46 | 13°36 | 15°47 | 3°37 | 1°48 | 16°38 | 15°36 | 8°16 | n.a. | M13 |
| T 14 | 16 20 34 | 4° 6'38 | 20°11 | 22°40 | 7°59 | 0°54 | 21°54 | 13°42 | 15°50 | 3°37 | 1°50 | 16°R38 | 15°33 | 8°23 | n.a. | T 14 |
| W15 | 16 24 31 | 5° 3'55 | 3♐ 0 | 22°26 | 9°10 | 1°31 | 22° 2 | 13°49 | 15°54 | 3°38 | 1°52 | 16°37 | 15°29 | 8°29 | n.a. | W15 |
| T 16 | 16 28 27 | 6° 1'14 | 15°35 | 22°17 | 10°22 | 2° 8 | 22°10 | 13°55 | 15°57 | 3°38 | 1°53 | 16°35 | 15°26 | 8°36 | n.a. | T 16 |
| F 17 | 16 32 24 | 6°58'34 | 27°58 | 22°D14 | 11°33 | 2°46 | 22°18 | 14° 1 | 16° 0 | 3°39 | 1°55 | 16°33 | 15°23 | 8°43 | n.a. | F 17 |
| S 18 | 16 36 20 | 7°55'55 | 10♑11 | 22°18 | 12°45 | 3°23 | 22°26 | 14° 8 | 16° 4 | 3°39 | 1°57 | 16°30 | 15°20 | 8°50 | n.a. | S 18 |
| S 19 | 16 40 17 | 8°53'18 | 22°14 | 22°28 | 13°56 | 4° 1 | 22°34 | 14°14 | 16° 7 | 3°40 | 1°59 | 16°26 | 15°17 | 8°56 | n.a. | S 19 |
| M20 | 16 44 13 | 9°50'41 | 4♒10 | 22°44 | 15° 7 | 4°39 | 22°42 | 14°21 | 16°11 | 3°40 | 2° 1 | 16°23 | 15°14 | 9° 3 | n.a. | M20 |
| T 21 | 16 48 10 | 10°48'07 | 16° 3 | 23° 7 | 16°19 | 5°16 | 22°49 | 14°27 | 16°14 | 3°41 | 2° 2 | 16°20 | 15°10 | 9°10 | n.a. | T 21 |
| W22 | 16 52 7 | 11°45'33 | 27°56 | 23°36 | 17°30 | 5°54 | 22°56 | 14°34 | 16°18 | 3°41 | 2° 4 | 16°18 | 15° 7 | 9°17 | n.a. | W22 |
| T 23 | 16 56 3 | 12°43'01 | 9♓54 | 24°12 | 18°41 | 6°32 | 23° 4 | 14°41 | 16°21 | 3°42 | 2° 6 | 16°D17 | 15° 4 | 9°23 | n.a. | T 23 |
| F 24 | 17 0 0 | 13°40'31 | 22° 1 | 24°54 | 19°52 | 7°10 | 23°11 | 14°47 | 16°24 | 3°43 | 2° 8 | 16°17 | 15° 1 | 9°30 | n.a. | F 24 |
| S 25 | 17 3 56 | 14°38'02 | 4♈21 | 25°43 | 21° 3 | 7°49 | 23°17 | 14°54 | 16°28 | 3°43 | 2°10 | 16°18 | 14°58 | 9°37 | n.a. | S 25 |
| S 26 | 17 7 53 | 15°35'35 | 17° 0 | 26°38 | 22°14 | 8°27 | 23°24 | 15° 1 | 16°31 | 3°44 | 2°12 | 16°20 | 14°54 | 9°43 | n.a. | S 26 |
| M27 | 17 11 49 | 16°33'09 | 0♉ 1 | 27°39 | 23°25 | 9° 5 | 23°31 | 15° 8 | 16°34 | 3°45 | 2°14 | 16°21 | 14°51 | 9°50 | n.a. | M27 |
| T 28 | 17 15 46 | 17°30'46 | 13°26 | 28°46 | 24°36 | 9°44 | 23°37 | 15°14 | 16°37 | 3°46 | 2°16 | 16°R22 | 14°48 | 9°57 | n.a. | T 28 |
| W29 | 17 19 42 | 18°28'23 | 27°16 | 29°59 | 25°47 | 10°22 | 23°43 | 15°21 | 16°41 | 3°47 | 2°17 | 16°22 | 14°45 | 10° 4 | n.a. | W29 |
| T 30 | 17 23 39 | 19♊26'03 | 11♊30 | 1♊17 | 26♋58 | 11♌ 1 | 23♓50 | 15♋28 | 16♉44 | 3♍47 | 2♋19 | 16♉20 | 14♉42 | 10♒10 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 18n34 | 18n 1 | 0n13 | 17n13 | 3s28 | 25n27 | 1n45 | 23n12 | 1n18 | 5s21 | 1s24 | 24n30 | 1n11 | 16n34 | 0s 7 | 12n14 | 1n59 | 33n59 | 10n 4 | 17n 9 | 17n 2 | 23s49 | | n.a. |
| T 2 | 18 49 | 22 36 | 1 29 | 16 54 | 3 40 | 25 32 | 1 46 | 23 5 | 1 17 | 5 17 | 1 24 | 24 30 | 1 11 | 16 35 | 0 7 | 12 14 | 1 59 | 33 59 | 10 4 | 17 9 | 17 1 | 23 48 | | n.a. |
| F 3 | 19 3 | 25 56 | 2 40 | 16 35 | 3 51 | 25 36 | 1 46 | 22 58 | 1 16 | 5 14 | 1 24 | 24 29 | 1 11 | 16 36 | 0 7 | 12 14 | 1 59 | 33 59 | 10 4 | 17 9 | 17 0 | 23 46 | | n.a. |
| S 4 | 19 18 | 27 38 | 3 43 | 16 17 | 4 1 | 25 39 | 1 47 | 22 50 | 1 15 | 5 10 | 1 24 | 24 29 | 1 11 | 16 37 | 0 7 | 12 14 | 1 59 | 33 58 | 10 4 | 17 8 | 16 59 | 23 44 | | n.a. |
| S 5 | 19 32 | 27 28 | 4 32 | 16 0 | 4 9 | 25 41 | 1 47 | 22 43 | 1 14 | 5 6 | 1 25 | 24 28 | 1 11 | 16 38 | 0 7 | 12 14 | 1 59 | 33 58 | 10 3 | 17 8 | 16 58 | 23 43 | | n.a. |
| M 6 | 19 46 | 25 27 | 5 3 | 15 44 | 4 16 | 25 42 | 1 48 | 22 35 | 1 13 | 5 3 | 1 25 | 24 27 | 1 11 | 16 39 | 0 7 | 12 14 | 1 58 | 33 58 | 10 3 | 17 8 | 16 57 | 23 41 | | n.a. |
| T 7 | 19 59 | 21 49 | 5 16 | 15 30 | 4 21 | 25 43 | 1 48 | 22 27 | 1 13 | 4 59 | 1 25 | 24 27 | 1 11 | 16 40 | 0 7 | 12 14 | 1 58 | 33 58 | 10 3 | 17 8 | 16 56 | 23 39 | | n.a. |
| W 8 | 20 12 | 16 56 | 5 9 | 15 17 | 4 25 | 25 43 | 1 48 | 22 19 | 1 12 | 4 56 | 1 25 | 24 26 | 1 11 | 16 41 | 0 7 | 12 13 | 1 58 | 33 58 | 10 3 | 17 7 | 16 55 | 23 37 | | n.a. |
| T 9 | 20 25 | 11 12 | 4 43 | 15 6 | 4 27 | 25 42 | 1 48 | 22 11 | 1 11 | 4 52 | 1 25 | 24 26 | 1 11 | 16 43 | 0 7 | 12 13 | 1 58 | 33 58 | 10 3 | 17 8 | 16 54 | 23 36 | | n.a. |
| F 10 | 20 37 | 5 0 | 4 2 | 14 57 | 4 27 | 25 41 | 1 48 | 22 2 | 1 10 | 4 49 | 1 26 | 24 25 | 1 11 | 16 44 | 0 7 | 12 13 | 1 58 | 33 58 | 10 3 | 17 8 | 16 53 | 23 34 | | n.a. |
| S 11 | 20 50 | 1s22 | 3 7 | 14 50 | 4 26 | 25 39 | 1 48 | 21 54 | 1 9 | 4 45 | 1 26 | 24 24 | 1 11 | 16 45 | 0 7 | 12 13 | 1 58 | 33 58 | 10 3 | 17 8 | 16 52 | 23 32 | | n.a. |
| S 12 | 21 1 | 7 35 | 2 2 | 14 46 | 4 23 | 25 36 | 1 47 | 21 45 | 1 8 | 4 42 | 1 26 | 24 24 | 1 11 | 16 46 | 0 7 | 12 13 | 1 58 | 33 58 | 10 3 | 17 8 | 16 51 | 23 31 | | n.a. |
| M13 | 21 13 | 13 22 | 0 52 | 14 44 | 4 19 | 25 32 | 1 47 | 21 36 | 1 7 | 4 39 | 1 26 | 24 23 | 1 11 | 16 47 | 0 7 | 12 13 | 1 58 | 33 58 | 10 3 | 17 9 | 16 51 | 23 29 | | n.a. |
| T 14 | 21 24 | 18 28 | 0s20 | 14 44 | 4 13 | 25 27 | 1 47 | 21 27 | 1 7 | 4 36 | 1 26 | 24 22 | 1 11 | 16 48 | 0 7 | 12 12 | 1 58 | 33 57 | 10 3 | 17 9 | 16 50 | 23 27 | | n.a. |
| W15 | 21 35 | 22 38 | 1 29 | 14 48 | 4 6 | 25 22 | 1 46 | 21 18 | 1 6 | 4 33 | 1 27 | 24 22 | 1 11 | 16 49 | 0 7 | 12 12 | 1 58 | 33 57 | 10 3 | 17 9 | 16 49 | 23 25 | | n.a. |
| T 16 | 21 45 | 25 39 | 2 33 | 14 54 | 3 57 | 25 16 | 1 46 | 21 8 | 1 5 | 4 29 | 1 27 | 24 21 | 1 11 | 16 50 | 0 7 | 12 12 | 1 58 | 33 57 | 10 3 | 17 8 | 16 48 | 23 24 | | n.a. |
| F 17 | 21 55 | 27 23 | 3 28 | 15 2 | 3 48 | 25 9 | 1 45 | 20 59 | 1 4 | 4 26 | 1 27 | 24 20 | 1 11 | 16 51 | 0 7 | 12 12 | 1 58 | 33 57 | 10 3 | 17 7 | 16 47 | 23 22 | | n.a. |
| S 18 | 22 5 | 27 44 | 4 13 | 15 13 | 3 37 | 25 2 | 1 44 | 20 49 | 1 3 | 4 23 | 1 27 | 24 20 | 1 11 | 16 52 | 0 7 | 12 12 | 1 58 | 33 57 | 10 3 | 17 6 | 16 46 | 23 20 | | n.a. |
| S 19 | 22 14 | 26 45 | 4 46 | 15 27 | 3 25 | 24 54 | 1 43 | 20 39 | 1 2 | 4 21 | 1 28 | 24 19 | 1 11 | 16 53 | 0 7 | 12 11 | 1 58 | 33 57 | 10 2 | 17 5 | 16 45 | 23 18 | | n.a. |
| M20 | 22 23 | 24 33 | 5 6 | 15 43 | 3 13 | 24 45 | 1 43 | 20 29 | 1 2 | 4 18 | 1 28 | 24 18 | 1 11 | 16 54 | 0 7 | 12 11 | 1 58 | 33 57 | 10 2 | 17 4 | 16 44 | 23 17 | | n.a. |
| T 21 | 22 31 | 21 19 | 5 13 | 16 1 | 3 0 | 24 35 | 1 42 | 20 19 | 1 1 | 4 15 | 1 28 | 24 18 | 1 11 | 16 55 | 0 7 | 12 11 | 1 58 | 33 57 | 10 2 | 17 4 | 16 43 | 23 15 | | n.a. |
| W22 | 22 39 | 17 13 | 5 7 | 16 22 | 2 46 | 24 25 | 1 40 | 20 9 | 1 0 | 4 12 | 1 28 | 24 17 | 1 11 | 16 56 | 0 7 | 12 10 | 1 58 | 33 57 | 10 2 | 17 3 | 16 42 | 23 13 | | n.a. |
| T 23 | 22 47 | 12 26 | 4 47 | 16 45 | 2 32 | 24 14 | 1 39 | 19 58 | 0 59 | 4 10 | 1 28 | 24 16 | 1 11 | 16 57 | 0 7 | 12 10 | 1 57 | 33 57 | 10 2 | 17 3 | 16 41 | 23 11 | | n.a. |
| F 24 | 22 54 | 7 7 | 4 15 | 17 9 | 2 18 | 24 2 | 1 38 | 19 47 | 0 58 | 4 7 | 1 29 | 24 15 | 1 11 | 16 58 | 0 7 | 12 10 | 1 57 | 33 57 | 10 2 | 17 3 | 16 40 | 23 10 | | n.a. |
| S 25 | 23 1 | 1 26 | 3 30 | 17 35 | 2 3 | 23 50 | 1 37 | 19 37 | 0 57 | 4 4 | 1 29 | 24 15 | 1 11 | 16 59 | 0 7 | 12 10 | 1 57 | 33 57 | 10 2 | 17 3 | 16 39 | 23 8 | | n.a. |
| S 26 | 23 8 | 4n27 | 2 34 | 18 2 | 1 49 | 23 37 | 1 35 | 19 26 | 0 57 | 4 2 | 1 29 | 24 14 | 1 11 | 17 0 | 0 7 | 12 9 | 1 57 | 33 57 | 10 2 | 17 4 | 16 38 | 23 6 | | n.a. |
| M27 | 23 14 | 10 20 | 1 28 | 18 31 | 1 34 | 23 23 | 1 34 | 19 15 | 0 56 | 3 59 | 1 29 | 24 13 | 1 11 | 17 1 | 0 7 | 12 9 | 1 57 | 33 57 | 10 2 | 17 4 | 16 37 | 23 4 | | n.a. |
| T 28 | 23 20 | 15 56 | 0 16 | 19 1 | 1 19 | 23 9 | 1 32 | 19 3 | 0 55 | 3 57 | 1 30 | 24 12 | 1 11 | 17 2 | 0 7 | 12 8 | 1 57 | 33 57 | 10 2 | 17 4 | 16 36 | 23 2 | | n.a. |
| W29 | 23 25 | 20 54 | 0n59 | 19 31 | 1 4 | 22 54 | 1 30 | 18 52 | 0 54 | 3 55 | 1 30 | 24 12 | 1 11 | 17 3 | 0 7 | 12 8 | 1 57 | 33 57 | 10 2 | 17 4 | 16 35 | 23 0 | | n.a. |
| T 30 | 23n30 | 24n49 | 2n13 | 20n 2 | 0s50 | 22n38 | 1n28 | 18n40 | 0n53 | 3s53 | 1s30 | 24n11 | 1n11 | 17n 4 | 0s 7 | 12n 8 | 1n57 | 33n56 | 10n 2 | 17n 4 | 16n34 | 22s59 | | n.a. |

Julian Day Number = 991439.5, Delta T = 13h01m59s
Ecliptic obliquity = 23°55'33, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'38, Lahiri = -31°30'37 Julian Calendar 1 June 1999 BCE == Greg. Calendar 15 May 1999 BCE


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## JULY 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 27 36 | 20♊23'44 | 26♊ 3 | 2♊41 | 28♋ 9 | 11♌40 | 23♓55 | 15♋35 | 16♉47 | 3♍48 | 2♋21 | 16°R17 | 14♉39 | 10♒17 | n.a. | F 1 |
| S 2 | 17 31 32 | 21°21'26 | 10♋50 | 4°10 | 29°19 | 12°18 | 24° 1 | 15°42 | 16°50 | 3°49 | 2°23 | 16♉12 | 14°35 | 10°24 | n.a. | S 2 |
| S 3 | 17 35 29 | 22°19'11 | 25°42 | 5°43 | 0♌30 | 12°57 | 24° 7 | 15°49 | 16°53 | 3°50 | 2°25 | 16° 7 | 14°32 | 10°30 | n.a. | S 3 |
| M 4 | 17 39 25 | 23°16'56 | 10♌31 | 7°21 | 1°41 | 13°36 | 24°12 | 15°56 | 16°56 | 3°51 | 2°27 | 16° 2 | 14°29 | 10°37 | n.a. | M 4 |
| T 5 | 17 43 22 | 24°14'43 | 25° 9 | 9° 3 | 2°51 | 14°15 | 24°18 | 16° 3 | 16°59 | 3°52 | 2°29 | 15°58 | 14°26 | 10°44 | n.a. | T 5 |
| W 6 | 17 47 18 | 25°12'31 | 9♍33 | 10°48 | 4° 2 | 14°54 | 24°23 | 16°10 | 17° 2 | 3°53 | 2°31 | 15°55 | 14°23 | 10°51 | n.a. | W 6 |
| T 7 | 17 51 15 | 26°10'20 | 23°38 | 12°36 | 5°12 | 15°34 | 24°28 | 16°17 | 17° 5 | 3°54 | 2°33 | 15°D54 | 14°20 | 10°57 | n.a. | T 7 |
| F 8 | 17 55 12 | 27° 8'10 | 7♎23 | 14°27 | 6°22 | 16°13 | 24°32 | 16°24 | 17° 8 | 3°56 | 2°35 | 15°54 | 14°16 | 11° 4 | n.a. | F 8 |
| S 9 | 17 59 8 | 28° 6'02 | 20°49 | 16°20 | 7°33 | 16°52 | 24°37 | 16°32 | 17°11 | 3°57 | 2°37 | 15°55 | 14°13 | 11°11 | n.a. | S 9 |
| S 10 | 18 3 5 | 29° 3'56 | 3♏59 | 18°15 | 8°43 | 17°32 | 24°41 | 16°39 | 17°14 | 3°58 | 2°39 | 15°57 | 14°10 | 11°18 | n.a. | S 10 |
| M11 | 18 7 1 | 0♋ 1'51 | 16°53 | 20°12 | 9°53 | 18°11 | 24°46 | 16°46 | 17°17 | 3°59 | 2°41 | 15°R57 | 14° 7 | 11°24 | n.a. | M11 |
| T 12 | 18 10 58 | 0°59'47 | 29°34 | 22° 9 | 11° 3 | 18°51 | 24°50 | 16°53 | 17°20 | 4° 0 | 2°43 | 15°56 | 14° 4 | 11°31 | n.a. | T 12 |
| W13 | 18 14 54 | 1°57'46 | 12♐ 4 | 24° 7 | 12°13 | 19°31 | 24°53 | 17° 0 | 17°23 | 4° 1 | 2°45 | 15°53 | 14° 0 | 11°38 | n.a. | W13 |
| T 14 | 18 18 51 | 2°55'46 | 24°25 | 26° 6 | 13°23 | 20°11 | 24°57 | 17° 8 | 17°26 | 4° 3 | 2°47 | 15°48 | 13°57 | 11°44 | n.a. | T 14 |
| F 15 | 18 22 47 | 3°53'48 | 6♑36 | 28° 5 | 14°33 | 20°50 | 25° 1 | 17°15 | 17°29 | 4° 4 | 2°49 | 15°41 | 13°54 | 11°51 | n.a. | F 15 |
| S 16 | 18 26 44 | 4°51'51 | 18°41 | 0♋ 4 | 15°42 | 21°30 | 25° 4 | 17°22 | 17°31 | 4° 5 | 2°50 | 15°32 | 13°51 | 11°58 | n.a. | S 16 |
| S 17 | 18 30 41 | 5°49'57 | 0♒39 | 2° 2 | 16°52 | 22°10 | 25° 7 | 17°30 | 17°34 | 4° 7 | 2°52 | 15°23 | 13°48 | 12° 5 | n.a. | S 17 |
| M18 | 18 34 37 | 6°48'05 | 12°33 | 4° 0 | 18° 2 | 22°50 | 25°10 | 17°37 | 17°37 | 4° 8 | 2°54 | 15°13 | 13°45 | 12°11 | n.a. | M18 |
| T 19 | 18 38 34 | 7°46'14 | 24°25 | 5°58 | 19°11 | 23°31 | 25°13 | 17°44 | 17°39 | 4°10 | 2°56 | 15° 5 | 13°41 | 12°18 | n.a. | T 19 |
| W20 | 18 42 30 | 8°44'26 | 6♓17 | 7°54 | 20°21 | 24°11 | 25°16 | 17°52 | 17°42 | 4°11 | 2°58 | 14°58 | 13°38 | 12°25 | n.a. | W20 |
| T 21 | 18 46 27 | 9°42'40 | 18°13 | 9°50 | 21°30 | 24°51 | 25°18 | 17°59 | 17°44 | 4°12 | 3° 0 | 14°53 | 13°35 | 12°32 | n.a. | T 21 |
| F 22 | 18 50 23 | 10°40'56 | 0♈17 | 11°45 | 22°39 | 25°32 | 25°20 | 18° 6 | 17°47 | 4°14 | 3° 2 | 14°51 | 13°32 | 12°38 | n.a. | F 22 |
| S 23 | 18 54 20 | 11°39'14 | 12°34 | 13°39 | 23°48 | 26°12 | 25°22 | 18°14 | 17°49 | 4°15 | 3° 4 | 14°D50 | 13°29 | 12°45 | n.a. | S 23 |
| S 24 | 18 58 16 | 12°37'35 | 25° 9 | 15°32 | 24°57 | 26°53 | 25°24 | 18°21 | 17°52 | 4°17 | 3° 6 | 14°51 | 13°26 | 12°52 | n.a. | S 24 |
| M25 | 19 2 13 | 13°35'58 | 8♉ 6 | 17°23 | 26° 6 | 27°33 | 25°26 | 18°28 | 17°54 | 4°19 | 3° 8 | 14°R51 | 13°22 | 12°58 | n.a. | M25 |
| T 26 | 19 6 9 | 14°34'23 | 21°29 | 19°14 | 27°15 | 28°14 | 25°27 | 18°36 | 17°57 | 4°20 | 3°10 | 14°51 | 13°19 | 13° 5 | n.a. | T 26 |
| W27 | 19 10 6 | 15°32'50 | 5♊20 | 21° 3 | 28°24 | 28°55 | 25°28 | 18°43 | 17°59 | 4°22 | 3°12 | 14°50 | 13°16 | 13°12 | n.a. | W27 |
| T 28 | 19 14 3 | 16°31'20 | 19°41 | 22°52 | 29°32 | 29°36 | 25°29 | 18°51 | 18° 1 | 4°23 | 3°14 | 14°46 | 13°13 | 13°19 | n.a. | T 28 |
| F 29 | 19 17 59 | 17°29'52 | 4♋26 | 24°39 | 0♍41 | 0♍17 | 25°30 | 18°58 | 18° 4 | 4°25 | 3°16 | 14°39 | 13°10 | 13°25 | n.a. | F 29 |
| S 30 | 19 21 56 | 18°28'27 | 19°30 | 26°25 | 1°49 | 0°58 | 25°31 | 19° 6 | 18° 6 | 4°27 | 3°18 | 14°31 | 13° 6 | 13°32 | n.a. | S 30 |
| S 31 | 19 25 52 | 19♋27'03 | 4♌42 | 28♋11 | 2♍58 | 1♍39 | 25♓31 | 19♋13 | 18♉ 8 | 4♍28 | 3♋19 | 14♉21 | 13♉ 3 | 13♒39 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n34 | 27n11 | 3n19 | 20n32 | 0s36 | 22n22 | 1n27 | 18n29 | 0n52 | 3s50 | 1s30 | 24n10 | 1n11 | 17n 5 | 0s 7 | 12n 7 | 1n57 | 33n56 | 10n 2 | 17n 3 | 16n33 | 22s57 | | n.a. |
| S 2 | 23 38 | 27 41 | 4 13 | 21 3 | 0 22 | 22 5 | 1 25 | 18 17 | 0 52 | 3 48 | 1 31 | 24 9 | 1 11 | 17 5 | 0 7 | 12 7 | 1 57 | 33 56 | 10 2 | 17 1 | 16 32 | 22 55 | | n.a. |
| S 3 | 23 42 | 26 12 | 4 51 | 21 33 | 0 8 | 21 48 | 1 23 | 18 5 | 0 51 | 3 46 | 1 31 | 24 8 | 1 11 | 17 6 | 0 7 | 12 7 | 1 57 | 33 56 | 10 2 | 17 0 | 16 32 | 22 53 | | n.a. |
| M 4 | 23 45 | 22 54 | 5 9 | 22 3 | 0n 4 | 21 30 | 1 20 | 17 52 | 0 50 | 3 44 | 1 31 | 24 8 | 1 11 | 17 7 | 0 7 | 12 6 | 1 57 | 33 56 | 10 2 | 16 58 | 16 31 | 22 51 | | n.a. |
| T 5 | 23 48 | 18 11 | 5 6 | 22 32 | 0 17 | 21 11 | 1 18 | 17 40 | 0 49 | 3 42 | 1 31 | 24 7 | 1 11 | 17 8 | 0 7 | 12 6 | 1 57 | 33 56 | 10 2 | 16 57 | 16 30 | 22 49 | | n.a. |
| W 6 | 23 50 | 12 31 | 4 44 | 22 59 | 0 28 | 20 52 | 1 16 | 17 28 | 0 48 | 3 41 | 1 32 | 24 6 | 1 11 | 17 9 | 0 7 | 12 5 | 1 57 | 33 56 | 10 2 | 16 56 | 16 29 | 22 48 | | n.a. |
| T 7 | 23 52 | 6 20 | 4 6 | 23 25 | 0 39 | 20 32 | 1 13 | 17 15 | 0 48 | 3 39 | 1 32 | 24 5 | 1 11 | 17 10 | 0 7 | 12 5 | 1 57 | 33 56 | 10 2 | 16 56 | 16 28 | 22 46 | | n.a. |
| F 8 | 23 54 | 0s 2 | 3 14 | 23 49 | 0 49 | 20 12 | 1 11 | 17 2 | 0 47 | 3 37 | 1 32 | 24 4 | 1 11 | 17 11 | 0 7 | 12 4 | 1 57 | 33 56 | 10 3 | 16 56 | 16 27 | 22 44 | | n.a. |
| S 9 | 23 55 | 6 15 | 2 12 | 24 10 | 0 58 | 19 51 | 1 8 | 16 49 | 0 46 | 3 35 | 1 32 | 24 3 | 1 11 | 17 12 | 0 7 | 12 4 | 1 57 | 33 56 | 10 3 | 16 56 | 16 26 | 22 42 | | n.a. |
| S 10 | 23 55 | 12 6 | 1 4 | 24 30 | 1 7 | 19 30 | 1 6 | 16 36 | 0 45 | 3 34 | 1 33 | 24 2 | 1 11 | 17 12 | 0 7 | 12 3 | 1 56 | 33 56 | 10 3 | 16 57 | 16 25 | 22 40 | | n.a. |
| M11 | 23 56 | 17 18 | 0s 5 | 24 48 | 1 14 | 19 8 | 1 3 | 16 23 | 0 44 | 3 32 | 1 33 | 24 2 | 1 11 | 17 13 | 0 7 | 12 3 | 1 56 | 33 56 | 10 3 | 16 57 | 16 24 | 22 38 | | n.a. |
| T 12 | 23 55 | 21 39 | 1 13 | 25 2 | 1 21 | 18 46 | 1 0 | 16 10 | 0 43 | 3 31 | 1 33 | 24 1 | 1 11 | 17 14 | 0 7 | 12 2 | 1 56 | 33 56 | 10 3 | 16 57 | 16 23 | 22 36 | | n.a. |
| W13 | 23 55 | 24 57 | 2 16 | 25 15 | 1 27 | 18 23 | 0 57 | 15 56 | 0 43 | 3 30 | 1 34 | 24 0 | 1 11 | 17 15 | 0 7 | 12 2 | 1 56 | 33 56 | 10 3 | 16 56 | 16 22 | 22 34 | | n.a. |
| T 14 | 23 54 | 27 0 | 3 12 | 25 24 | 1 33 | 18 0 | 0 54 | 15 43 | 0 42 | 3 28 | 1 34 | 23 59 | 1 11 | 17 16 | 0 7 | 12 1 | 1 56 | 33 56 | 10 3 | 16 54 | 16 21 | 22 32 | | n.a. |
| F 15 | 23 52 | 27 43 | 3 58 | 25 32 | 1 37 | 17 37 | 0 51 | 15 29 | 0 41 | 3 27 | 1 34 | 23 58 | 1 11 | 17 17 | 0 7 | 12 1 | 1 56 | 33 57 | 10 3 | 16 52 | 16 20 | 22 30 | | n.a. |
| S 16 | 23 50 | 27 6 | 4 33 | 25 36 | 1 41 | 17 13 | 0 48 | 15 15 | 0 40 | 3 26 | 1 34 | 23 57 | 1 11 | 17 17 | 0 7 | 12 0 | 1 56 | 33 57 | 10 3 | 16 49 | 16 19 | 22 28 | | n.a. |
| S 17 | 23 48 | 25 13 | 4 56 | 25 38 | 1 44 | 16 48 | 0 45 | 15 1 | 0 39 | 3 25 | 1 35 | 23 56 | 1 11 | 17 18 | 0 7 | 12 0 | 1 56 | 33 57 | 10 3 | 16 47 | 16 18 | 22 27 | | n.a. |
| M18 | 23 45 | 22 15 | 5 5 | 25 37 | 1 46 | 16 23 | 0 41 | 14 47 | 0 39 | 3 24 | 1 35 | 23 55 | 1 12 | 17 19 | 0 7 | 11 59 | 1 56 | 33 57 | 10 3 | 16 44 | 16 17 | 22 25 | | n.a. |
| T 19 | 23 41 | 18 22 | 5 2 | 25 34 | 1 47 | 15 58 | 0 38 | 14 33 | 0 38 | 3 23 | 1 35 | 23 54 | 1 12 | 17 20 | 0 7 | 11 59 | 1 56 | 33 57 | 10 3 | 16 41 | 16 16 | 22 23 | | n.a. |
| W20 | 23 38 | 13 47 | 4 45 | 25 29 | 1 48 | 15 32 | 0 34 | 14 19 | 0 37 | 3 23 | 1 35 | 23 53 | 1 12 | 17 20 | 0 7 | 11 58 | 1 56 | 33 57 | 10 3 | 16 39 | 16 15 | 22 21 | | n.a. |
| T 21 | 23 34 | 8 40 | 4 16 | 25 21 | 1 48 | 15 6 | 0 31 | 14 4 | 0 36 | 3 22 | 1 36 | 23 52 | 1 12 | 17 21 | 0 7 | 11 57 | 1 56 | 33 57 | 10 4 | 16 38 | 16 14 | 22 19 | | n.a. |
| F 22 | 23 29 | 3 10 | 3 35 | 25 11 | 1 48 | 14 40 | 0 27 | 13 49 | 0 35 | 3 21 | 1 36 | 23 51 | 1 12 | 17 22 | 0 7 | 11 57 | 1 56 | 33 57 | 10 4 | 16 37 | 16 13 | 22 17 | | n.a. |
| S 23 | 23 24 | 2n33 | 2 44 | 24 59 | 1 47 | 14 13 | 0 23 | 13 35 | 0 35 | 3 21 | 1 36 | 23 51 | 1 12 | 17 23 | 0 7 | 11 56 | 1 56 | 33 57 | 10 4 | 16 37 | 16 12 | 22 15 | | n.a. |
| S 24 | 23 19 | 8 19 | 1 43 | 24 45 | 1 46 | 13 46 | 0 20 | 13 20 | 0 34 | 3 20 | 1 36 | 23 50 | 1 12 | 17 23 | 0 7 | 11 56 | 1 56 | 33 57 | 10 4 | 16 37 | 16 11 | 22 13 | | n.a. |
| M25 | 23 13 | 13 55 | 0 36 | 24 29 | 1 44 | 13 19 | 0 16 | 13 5 | 0 33 | 3 20 | 1 37 | 23 49 | 1 12 | 17 24 | 0 7 | 11 55 | 1 56 | 33 57 | 10 4 | 16 37 | 16 10 | 22 11 | | n.a. |
| T 26 | 23 7 | 19 4 | 0n35 | 24 11 | 1 41 | 12 51 | 0 12 | 12 50 | 0 32 | 3 19 | 1 37 | 23 48 | 1 12 | 17 25 | 0 7 | 11 54 | 1 56 | 33 57 | 10 4 | 16 37 | 16 9 | 22 9 | | n.a. |
| W27 | 23 0 | 23 23 | 1 47 | 23 52 | 1 38 | 12 24 | 0 8 | 12 34 | 0 31 | 3 19 | 1 37 | 23 47 | 1 12 | 17 25 | 0 7 | 11 54 | 1 56 | 33 57 | 10 4 | 16 37 | 16 8 | 22 7 | | n.a. |
| T 28 | 22 53 | 26 25 | 2 54 | 23 30 | 1 35 | 11 55 | 0 4 | 12 19 | 0 31 | 3 19 | 1 38 | 23 46 | 1 12 | 17 26 | 0 7 | 11 53 | 1 56 | 33 57 | 10 4 | 16 36 | 16 7 | 22 5 | | n.a. |
| F 29 | 22 45 | 27 43 | 3 52 | 23 8 | 1 32 | 11 27 | 0s 0 | 12 4 | 0 30 | 3 19 | 1 38 | 23 45 | 1 12 | 17 27 | 0 7 | 11 52 | 1 56 | 33 57 | 10 5 | 16 34 | 16 6 | 22 3 | | n.a. |
| S 30 | 22 37 | 27 0 | 4 35 | 22 44 | 1 28 | 10 58 | 0 5 | 11 48 | 0 29 | 3 19 | 1 38 | 23 44 | 1 12 | 17 27 | 0 7 | 11 52 | 1 56 | 33 57 | 10 5 | 16 31 | 16 5 | 22 1 | | n.a. |
| S 31 | 22n29 | 24n17 | 4n58 | 22n18 | 1n23 | 10n29 | 0s 9 | 11n32 | 0n28 | 3s19 | 1s38 | 23n43 | 1n12 | 17n28 | 0s 7 | 11n51 | 1n56 | 33n58 | 10n 5 | 16n28 | 16n 4 | 21s59 | | n.a. |

Julian Day Number = 991469.5, Delta T = 13h01m57s
Ecliptic obliquity = 23°55'33, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'34, Lahiri = -31°30'33 Julian Calendar 1 July 1999 BCE == Greg. Calendar 14 June 1999 BCE

The year -1998 astronomical counting style corresponds to year 1999 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## AUGUST 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 29 49 | 20♋25'41 | 19♌53 | 29♋55 | 4♍ 6 | 2♍20 | 25♓31 | 19♋20 | 18♉10 | 4♍30 | 3♋21 | 14°R11 | 13♉ 0 | 13♒46 | n.a. | M 1 |
| T 2 | 19 33 45 | 21°24'22 | 4♍52 | 1♌37 | 5°14 | 3° 2 | 25°R31 | 19°28 | 18°12 | 4°32 | 3°23 | 14♉ 3 | 12°57 | 13°52 | n.a. | T 2 |
| W 3 | 19 37 42 | 22°23'04 | 19°30 | 3°19 | 6°22 | 3°43 | 25°31 | 19°35 | 18°14 | 4°34 | 3°25 | 13°57 | 12°54 | 13°59 | n.a. | W 3 |
| T 4 | 19 41 38 | 23°21'48 | 3♎44 | 5° 0 | 7°30 | 4°25 | 25°31 | 19°43 | 18°16 | 4°35 | 3°27 | 13°53 | 12°51 | 14° 6 | n.a. | T 4 |
| F 5 | 19 45 35 | 24°20'33 | 17°32 | 6°40 | 8°38 | 5° 6 | 25°30 | 19°50 | 18°18 | 4°37 | 3°29 | 13°52 | 12°47 | 14°12 | n.a. | F 5 |
| S 6 | 19 49 32 | 25°19'21 | 0♏55 | 8°19 | 9°45 | 5°48 | 25°29 | 19°57 | 18°20 | 4°39 | 3°31 | 13°D52 | 12°44 | 14°19 | n.a. | S 6 |
| S 7 | 19 53 28 | 26°18'11 | 13°56 | 9°56 | 10°53 | 6°29 | 25°29 | 20° 5 | 18°22 | 4°41 | 3°33 | 13°R52 | 12°41 | 14°26 | n.a. | S 7 |
| M 8 | 19 57 25 | 27°17'02 | 26°39 | 11°33 | 12° 0 | 7°11 | 25°27 | 20°12 | 18°24 | 4°43 | 3°34 | 13°51 | 12°38 | 14°33 | n.a. | M 8 |
| T 9 | 20 1 21 | 28°15'56 | 9♐ 6 | 13° 9 | 13° 7 | 7°53 | 25°26 | 20°20 | 18°25 | 4°45 | 3°36 | 13°49 | 12°35 | 14°39 | n.a. | T 9 |
| W10 | 20 5 18 | 29°14'51 | 21°23 | 14°44 | 14°14 | 8°35 | 25°24 | 20°27 | 18°27 | 4°47 | 3°38 | 13°43 | 12°32 | 14°46 | n.a. | W10 |
| T 11 | 20 9 14 | 0♌13'49 | 3♑31 | 16°18 | 15°21 | 9°17 | 25°23 | 20°34 | 18°29 | 4°48 | 3°40 | 13°35 | 12°28 | 14°53 | n.a. | T 11 |
| F 12 | 20 13 11 | 1°12'48 | 15°33 | 17°51 | 16°28 | 9°59 | 25°21 | 20°42 | 18°30 | 4°50 | 3°42 | 13°24 | 12°25 | 15° 0 | n.a. | F 12 |
| S 13 | 20 17 7 | 2°11'50 | 27°30 | 19°23 | 17°34 | 10°41 | 25°18 | 20°49 | 18°32 | 4°52 | 3°43 | 13°12 | 12°22 | 15° 6 | n.a. | S 13 |
| S 14 | 20 21 4 | 3°10'54 | 9♒25 | 20°54 | 18°40 | 11°23 | 25°16 | 20°56 | 18°34 | 4°54 | 3°45 | 12°57 | 12°19 | 15°13 | n.a. | S 14 |
| M15 | 20 25 0 | 4°10'00 | 21°17 | 22°24 | 19°47 | 12° 5 | 25°14 | 21° 3 | 18°35 | 4°56 | 3°47 | 12°43 | 12°16 | 15°20 | n.a. | M15 |
| T 16 | 20 28 57 | 5° 9'09 | 3♓ 9 | 23°53 | 20°53 | 12°48 | 25°11 | 21°11 | 18°37 | 4°58 | 3°49 | 12°30 | 12°12 | 15°26 | n.a. | T 16 |
| W17 | 20 32 54 | 6° 8'19 | 15° 3 | 25°21 | 21°59 | 13°30 | 25° 8 | 21°18 | 18°38 | 5° 0 | 3°50 | 12°20 | 12° 9 | 15°33 | n.a. | W17 |
| T 18 | 20 36 50 | 7° 7'32 | 27° 0 | 26°48 | 23° 4 | 14°12 | 25° 5 | 21°25 | 18°39 | 5° 2 | 3°52 | 12°11 | 12° 6 | 15°40 | n.a. | T 18 |
| F 19 | 20 40 47 | 8° 6'48 | 9♈ 5 | 28°15 | 24°10 | 14°55 | 25° 1 | 21°32 | 18°40 | 5° 4 | 3°54 | 12° 6 | 12° 3 | 15°47 | n.a. | F 19 |
| S 20 | 20 44 43 | 9° 6'06 | 21°21 | 29°40 | 25°15 | 15°38 | 24°58 | 21°40 | 18°42 | 5° 6 | 3°55 | 12° 4 | 12° 0 | 15°53 | n.a. | S 20 |
| S 21 | 20 48 40 | 10° 5'26 | 3♉52 | 1♍ 4 | 26°20 | 16°20 | 24°54 | 21°47 | 18°43 | 5° 8 | 3°57 | 12° 3 | 11°57 | 16° 0 | n.a. | S 21 |
| M22 | 20 52 36 | 11° 4'49 | 16°43 | 2°28 | 27°25 | 17° 3 | 24°50 | 21°54 | 18°44 | 5°11 | 3°59 | 12° 3 | 11°53 | 16° 7 | n.a. | M22 |
| T 23 | 20 56 33 | 12° 4'15 | 29°59 | 3°50 | 28°29 | 17°46 | 24°46 | 22° 1 | 18°45 | 5°13 | 4° 0 | 12° 2 | 11°50 | 16°14 | n.a. | T 23 |
| W24 | 21 0 29 | 13° 3'43 | 13♊43 | 5°11 | 29°34 | 18°29 | 24°42 | 22° 8 | 18°46 | 5°15 | 4° 2 | 12° 0 | 11°47 | 16°20 | n.a. | W24 |
| T 25 | 21 4 26 | 14° 3'14 | 27°56 | 6°31 | 0♎38 | 19°12 | 24°37 | 22°15 | 18°47 | 5°17 | 4° 3 | 11°55 | 11°44 | 16°27 | n.a. | T 25 |
| F 26 | 21 8 22 | 15° 2'47 | 12♋37 | 7°50 | 1°42 | 19°55 | 24°33 | 22°22 | 18°48 | 5°19 | 4° 5 | 11°48 | 11°41 | 16°34 | n.a. | F 26 |
| S 27 | 21 12 19 | 16° 2'22 | 27°42 | 9° 8 | 2°46 | 20°38 | 24°28 | 22°29 | 18°49 | 5°21 | 4° 7 | 11°38 | 11°38 | 16°40 | n.a. | S 27 |
| S 28 | 21 16 16 | 17° 2'00 | 13♌ 0 | 10°24 | 3°49 | 21°21 | 24°23 | 22°36 | 18°50 | 5°23 | 4° 8 | 11°27 | 11°34 | 16°47 | n.a. | S 28 |
| M29 | 21 20 12 | 18° 1'40 | 28°21 | 11°38 | 4°53 | 22° 4 | 24°18 | 22°43 | 18°50 | 5°25 | 4°10 | 11°15 | 11°31 | 16°54 | n.a. | M29 |
| T 30 | 21 24 9 | 19° 1'22 | 13♍33 | 12°52 | 5°56 | 22°48 | 24°12 | 22°50 | 18°51 | 5°28 | 4°11 | 11° 5 | 11°28 | 17° 1 | n.a. | T 30 |
| W31 | 21 28 5 | 20♌ 1'06 | 28♍25 | 14♍ 3 | 6♎58 | 23♍31 | 24♓ 7 | 22♋57 | 18♉52 | 5♍30 | 4♋13 | 10♉58 | 11♉25 | 17♒ 7 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| M 1 | 22n20 | 19n54 | 5n 1 | 21n52 | 1n19 | 10n 0 | 0s13 | 11n17 | 0n27 | 3s19 | 1s39 | 23n42 | 1n12 | 17n29 | 0s 7 | 11n50 | 1n55 | 33n58 | 10n 5 | 16n25 | 16n 3 | 21s57 | | | n.a. |
| T 2 | 22 11 | 14 18 | 4 43 | 21 24 | 1 14 | 9 31 | 0 17 | 11 1 | 0 27 | 3 19 | 1 39 | 23 41 | 1 13 | 17 29 | 0 7 | 11 50 | 1 55 | 33 58 | 10 5 | 16 23 | 16 2 | 21 55 | | | n.a. |
| W 3 | 22 1 | 8 0 | 4 7 | 20 55 | 1 8 | 9 1 | 0 22 | 10 45 | 0 26 | 3 20 | 1 39 | 23 40 | 1 13 | 17 30 | 0 7 | 11 49 | 1 55 | 33 58 | 10 5 | 16 21 | 16 1 | 21 53 | | | n.a. |
| T 4 | 21 51 | 1 28 | 3 16 | 20 25 | 1 3 | 8 31 | 0 26 | 10 28 | 0 25 | 3 20 | 1 39 | 23 39 | 1 13 | 17 30 | 0 7 | 11 48 | 1 55 | 33 58 | 10 5 | 16 20 | 16 0 | 21 51 | | | n.a. |
| F 5 | 21 41 | 4s57 | 2 15 | 19 54 | 0 57 | 8 2 | 0 31 | 10 12 | 0 24 | 3 20 | 1 40 | 23 38 | 1 13 | 17 31 | 0 7 | 11 48 | 1 55 | 33 58 | 10 6 | 16 19 | 16 0 | 21 48 | | | n.a. |
| S 6 | 21 30 | 10 58 | 1 8 | 19 23 | 0 51 | 7 31 | 0 35 | 9 56 | 0 23 | 3 21 | 1 40 | 23 37 | 1 13 | 17 31 | 0 7 | 11 47 | 1 55 | 33 58 | 10 6 | 16 19 | 15 59 | 21 46 | | | n.a. |
| S 7 | 21 19 | 16 21 | 0s 0 | 18 50 | 0 45 | 7 1 | 0 40 | 9 40 | 0 23 | 3 22 | 1 40 | 23 35 | 1 13 | 17 32 | 0 7 | 11 46 | 1 55 | 33 58 | 10 6 | 16 19 | 15 58 | 21 44 | | | n.a. |
| M 8 | 21 8 | 20 53 | 1 7 | 18 17 | 0 39 | 6 31 | 0 45 | 9 23 | 0 22 | 3 22 | 1 40 | 23 34 | 1 13 | 17 32 | 0 7 | 11 45 | 1 55 | 33 59 | 10 6 | 16 19 | 15 57 | 21 42 | | | n.a. |
| T 9 | 20 56 | 24 24 | 2 9 | 17 44 | 0 32 | 6 0 | 0 49 | 9 6 | 0 21 | 3 23 | 1 41 | 23 33 | 1 13 | 17 33 | 0 7 | 11 45 | 1 55 | 33 59 | 10 6 | 16 18 | 15 56 | 21 40 | | | n.a. |
| W10 | 20 43 | 26 42 | 3 4 | 17 9 | 0 26 | 5 30 | 0 54 | 8 50 | 0 20 | 3 24 | 1 41 | 23 32 | 1 13 | 17 33 | 0 7 | 11 44 | 1 55 | 33 59 | 10 7 | 16 17 | 15 55 | 21 38 | | | n.a. |
| T 11 | 20 31 | 27 43 | 3 50 | 16 34 | 0 19 | 4 59 | 0 59 | 8 33 | 0 19 | 3 25 | 1 41 | 23 31 | 1 13 | 17 34 | 0 7 | 11 43 | 1 55 | 33 59 | 10 7 | 16 14 | 15 54 | 21 36 | | | n.a. |
| F 12 | 20 18 | 27 23 | 4 25 | 15 59 | 0 12 | 4 28 | 1 4 | 8 16 | 0 19 | 3 26 | 1 41 | 23 30 | 1 13 | 17 34 | 0 7 | 11 42 | 1 55 | 33 59 | 10 7 | 16 11 | 15 53 | 21 34 | | | n.a. |
| S 13 | 20 4 | 25 47 | 4 49 | 15 23 | 0 5 | 3 57 | 1 9 | 7 59 | 0 18 | 3 27 | 1 42 | 23 29 | 1 13 | 17 35 | 0 7 | 11 42 | 1 55 | 33 59 | 10 7 | 16 7 | 15 52 | 21 32 | | | n.a. |
| S 14 | 19 50 | 23 3 | 4 59 | 14 47 | 0s 2 | 3 27 | 1 14 | 7 42 | 0 17 | 3 28 | 1 42 | 23 28 | 1 14 | 17 35 | 0 7 | 11 41 | 1 55 | 33 59 | 10 7 | 16 3 | 15 51 | 21 30 | | | n.a. |
| M15 | 19 36 | 19 21 | 4 56 | 14 11 | 0 9 | 2 56 | 1 19 | 7 25 | 0 16 | 3 29 | 1 42 | 23 27 | 1 14 | 17 36 | 0 7 | 11 40 | 1 55 | 34 0 | 10 8 | 15 58 | 15 50 | 21 28 | | | n.a. |
| T 16 | 19 22 | 14 54 | 4 41 | 13 34 | 0 17 | 2 25 | 1 23 | 7 8 | 0 15 | 3 31 | 1 42 | 23 26 | 1 14 | 17 36 | 0 7 | 11 39 | 1 55 | 34 0 | 10 8 | 15 54 | 15 49 | 21 25 | | | n.a. |
| W17 | 19 7 | 9 53 | 4 13 | 12 57 | 0 24 | 1 54 | 1 28 | 6 50 | 0 15 | 3 32 | 1 43 | 23 25 | 1 14 | 17 36 | 0 7 | 11 39 | 1 55 | 34 0 | 10 8 | 15 51 | 15 48 | 21 23 | | | n.a. |
| T 18 | 18 52 | 4 28 | 3 34 | 12 20 | 0 32 | 1 23 | 1 33 | 6 33 | 0 14 | 3 34 | 1 43 | 23 24 | 1 14 | 17 37 | 0 7 | 11 38 | 1 55 | 34 0 | 10 8 | 15 48 | 15 47 | 21 21 | | | n.a. |
| F 19 | 18 36 | 1n10 | 2 45 | 11 43 | 0 39 | 0 52 | 1 38 | 6 16 | 0 13 | 3 35 | 1 43 | 23 23 | 1 14 | 17 37 | 0 7 | 11 37 | 1 55 | 34 0 | 10 9 | 15 47 | 15 46 | 21 19 | | | n.a. |
| S 20 | 18 21 | 6 50 | 1 47 | 11 6 | 0 47 | 0 21 | 1 44 | 5 58 | 0 12 | 3 37 | 1 43 | 23 22 | 1 14 | 17 38 | 0 7 | 11 36 | 1 55 | 34 0 | 10 9 | 15 46 | 15 45 | 21 17 | | | n.a. |
| S 21 | 18 4 | 12 23 | 0 43 | 10 28 | 0 54 | 0s10 | 1 49 | 5 40 | 0 12 | 3 39 | 1 44 | 23 21 | 1 14 | 17 38 | 0 7 | 11 35 | 1 55 | 34 1 | 10 9 | 15 46 | 15 44 | 21 15 | | | n.a. |
| M22 | 17 48 | 17 34 | 0n25 | 9 51 | 1 2 | 0 41 | 1 54 | 5 23 | 0 11 | 3 40 | 1 44 | 23 20 | 1 14 | 17 38 | 0 7 | 11 35 | 1 55 | 34 1 | 10 9 | 15 46 | 15 43 | 21 13 | | | n.a. |
| T 23 | 17 31 | 22 4 | 1 33 | 9 14 | 1 9 | 1 12 | 1 59 | 5 5 | 0 10 | 3 42 | 1 44 | 23 19 | 1 15 | 17 39 | 0 7 | 11 34 | 1 55 | 34 1 | 10 10 | 15 45 | 15 42 | 21 10 | | | n.a. |
| W24 | 17 14 | 25 32 | 2 39 | 8 37 | 1 17 | 1 43 | 2 4 | 4 47 | 0 9 | 3 44 | 1 44 | 23 18 | 1 15 | 17 39 | 0 7 | 11 33 | 1 55 | 34 1 | 10 10 | 15 45 | 15 41 | 21 8 | | | n.a. |
| T 25 | 16 57 | 27 31 | 3 37 | 8 0 | 1 24 | 2 13 | 2 9 | 4 29 | 0 8 | 3 46 | 1 44 | 23 16 | 1 15 | 17 39 | 0 7 | 11 32 | 1 55 | 34 1 | 10 10 | 15 43 | 15 40 | 21 6 | | | n.a. |
| F 26 | 16 39 | 27 40 | 4 22 | 7 23 | 1 31 | 2 44 | 2 14 | 4 11 | 0 8 | 3 48 | 1 45 | 23 15 | 1 15 | 17 39 | 0 7 | 11 31 | 1 55 | 34 2 | 10 10 | 15 41 | 15 39 | 21 4 | | | n.a. |
| S 27 | 16 21 | 25 48 | 4 51 | 6 47 | 1 39 | 3 14 | 2 19 | 3 54 | 0 7 | 3 50 | 1 45 | 23 14 | 1 15 | 17 40 | 0 7 | 11 31 | 1 55 | 34 2 | 10 11 | 15 38 | 15 38 | 21 2 | | | n.a. |
| S 28 | 16 3 | 22 2 | 5 0 | 6 11 | 1 46 | 3 45 | 2 24 | 3 35 | 0 6 | 3 52 | 1 45 | 23 13 | 1 15 | 17 40 | 0 7 | 11 30 | 1 55 | 34 2 | 10 11 | 15 34 | 15 37 | 20 59 | | | n.a. |
| M29 | 15 44 | 16 45 | 4 47 | 5 36 | 1 53 | 4 15 | 2 29 | 3 17 | 0 5 | 3 55 | 1 45 | 23 12 | 1 15 | 17 40 | 0 7 | 11 29 | 1 55 | 34 2 | 10 11 | 15 31 | 15 36 | 20 57 | | | n.a. |
| T 30 | 15 25 | 10 29 | 4 14 | 5 1 | 2 0 | 4 45 | 2 34 | 2 59 | 0 5 | 3 57 | 1 45 | 23 11 | 1 15 | 17 40 | 0 7 | 11 28 | 1 55 | 34 3 | 10 11 | 15 28 | 15 35 | 20 55 | | | n.a. |
| W31 | 15n 6 | 3n45 | 3n24 | 4n27 | 2s 7 | 5s15 | 2s40 | 2n41 | 0n 4 | 3s59 | 1s45 | 23n10 | 1n15 | 17n40 | 0s 7 | 11n27 | 1n55 | 34n 3 | 10n12 | 15n25 | 15n34 | 20s53 | | | n.a. |

Julian Day Number = 991500.5, Delta T = 13h01m55s
Ecliptic obliquity = 23°55'33, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'30, Lahiri = -31°30'29 Julian Calendar 1 Aug. 1999 BCE == Greg. Calendar 15 July 1999 BCE

The year -1998 astronomical counting style corresponds to year 1999 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## SEPTEMBER 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 32 2 | 21♌ 0'52 | 12♎52 | 15♍13 | 8♎ 1 | 24♍14 | 24°R 1 | 23♋ 4 | 18♉52 | 5♍32 | 4♋14 | 10°R53 | 11♉22 | 17♒14 | n.a. | T 1 |
| F 2 | 21 35 58 | 22° 0'40 | 26°49 | 16°21 | 9° 3 | 24°58 | 23♓55 | 23°11 | 18°53 | 5°34 | 4°16 | 10♉50 | 11°18 | 17°21 | n.a. | F 2 |
| S 3 | 21 39 55 | 23° 0'29 | 10♏18 | 17°26 | 10° 5 | 25°41 | 23°50 | 23°18 | 18°53 | 5°36 | 4°17 | 10°D50 | 11°15 | 17°27 | n.a. | S 3 |
| S 4 | 21 43 51 | 24° 0'21 | 23°21 | 18°30 | 11° 6 | 26°25 | 23°43 | 23°24 | 18°54 | 5°39 | 4°18 | 10°R50 | 11°12 | 17°34 | n.a. | S 4 |
| M 5 | 21 47 48 | 25° 0'15 | 6♐ 1 | 19°30 | 12° 8 | 27° 9 | 23°37 | 23°31 | 18°54 | 5°41 | 4°20 | 10°50 | 11° 9 | 17°41 | n.a. | M 5 |
| T 6 | 21 51 44 | 26° 0'10 | 18°24 | 20°28 | 13° 8 | 27°53 | 23°31 | 23°38 | 18°55 | 5°43 | 4°21 | 10°47 | 11° 6 | 17°48 | n.a. | T 6 |
| W 7 | 21 55 41 | 27° 0'07 | 0♑34 | 21°23 | 14° 9 | 28°36 | 23°24 | 23°44 | 18°55 | 5°45 | 4°22 | 10°43 | 11° 3 | 17°54 | n.a. | W 7 |
| T 8 | 21 59 38 | 28° 0'07 | 12°35 | 22°14 | 15° 9 | 29°20 | 23°18 | 23°51 | 18°55 | 5°47 | 4°24 | 10°35 | 10°59 | 18° 1 | n.a. | T 8 |
| F 9 | 22 3 34 | 29° 0'08 | 24°31 | 23° 2 | 16° 9 | 0♎ 4 | 23°11 | 23°57 | 18°55 | 5°50 | 4°25 | 10°25 | 10°56 | 18° 8 | n.a. | F 9 |
| S 10 | 22 7 31 | 0♍ 0'11 | 6♒24 | 23°46 | 17° 8 | 0°48 | 23° 4 | 24° 4 | 18°55 | 5°52 | 4°26 | 10°13 | 10°53 | 18°15 | n.a. | S 10 |
| S 11 | 22 11 27 | 1° 0'15 | 18°17 | 24°24 | 18° 7 | 1°32 | 22°57 | 24°10 | 18°55 | 5°54 | 4°27 | 10° 0 | 10°50 | 18°21 | n.a. | S 11 |
| M12 | 22 15 24 | 2° 0'22 | 0♓10 | 24°58 | 19° 6 | 2°17 | 22°50 | 24°17 | 18°R55 | 5°56 | 4°29 | 9°46 | 10°47 | 18°28 | n.a. | M12 |
| T 13 | 22 19 20 | 3° 0'31 | 12° 6 | 25°26 | 20° 4 | 3° 1 | 22°43 | 24°23 | 18°55 | 5°59 | 4°30 | 9°34 | 10°44 | 18°35 | n.a. | T 13 |
| W14 | 22 23 17 | 4° 0'42 | 24° 5 | 25°48 | 21° 1 | 3°45 | 22°35 | 24°29 | 18°55 | 6° 1 | 4°31 | 9°24 | 10°40 | 18°41 | n.a. | W14 |
| T 15 | 22 27 13 | 5° 0'55 | 6♈10 | 26° 3 | 21°58 | 4°29 | 22°28 | 24°36 | 18°55 | 6° 3 | 4°32 | 9°16 | 10°37 | 18°48 | n.a. | T 15 |
| F 16 | 22 31 10 | 6° 1'10 | 18°21 | 26°R10 | 22°55 | 5°14 | 22°20 | 24°42 | 18°55 | 6° 5 | 4°33 | 9°11 | 10°34 | 18°55 | n.a. | F 16 |
| S 17 | 22 35 6 | 7° 1'27 | 0♉43 | 26°10 | 23°51 | 5°58 | 22°13 | 24°48 | 18°55 | 6° 8 | 4°34 | 9° 9 | 10°31 | 19° 2 | n.a. | S 17 |
| S 18 | 22 39 3 | 8° 1'46 | 13°17 | 26° 1 | 24°47 | 6°43 | 22° 5 | 24°54 | 18°54 | 6°10 | 4°35 | 9°D 9 | 10°28 | 19° 8 | n.a. | S 18 |
| M19 | 22 43 0 | 9° 2'08 | 26° 8 | 25°42 | 25°42 | 7°27 | 21°57 | 25° 0 | 18°54 | 6°12 | 4°36 | 9°10 | 10°24 | 19°15 | n.a. | M19 |
| T 20 | 22 46 56 | 10° 2'31 | 9♊20 | 25°14 | 26°36 | 8°12 | 21°49 | 25° 6 | 18°53 | 6°14 | 4°37 | 9°R10 | 10°21 | 19°22 | n.a. | T 20 |
| W21 | 22 50 53 | 11° 2'58 | 22°55 | 24°37 | 27°30 | 8°57 | 21°42 | 25°12 | 18°53 | 6°17 | 4°38 | 9° 9 | 10°18 | 19°29 | n.a. | W21 |
| T 22 | 22 54 49 | 12° 3'26 | 6♋55 | 23°50 | 28°24 | 9°41 | 21°34 | 25°18 | 18°52 | 6°19 | 4°39 | 9° 7 | 10°15 | 19°35 | n.a. | T 22 |
| F 23 | 22 58 46 | 13° 3'56 | 21°21 | 22°53 | 29°16 | 10°26 | 21°26 | 25°24 | 18°52 | 6°21 | 4°40 | 9° 2 | 10°12 | 19°42 | n.a. | F 23 |
| S 24 | 23 2 42 | 14° 4'28 | 6♌10 | 21°49 | 0♏ 8 | 11°11 | 21°17 | 25°29 | 18°51 | 6°23 | 4°41 | 8°55 | 10° 9 | 19°49 | n.a. | S 24 |
| S 25 | 23 6 39 | 15° 5'03 | 21°15 | 20°37 | 1° 0 | 11°56 | 21° 9 | 25°35 | 18°51 | 6°26 | 4°42 | 8°47 | 10° 5 | 19°55 | n.a. | S 25 |
| M26 | 23 10 35 | 16° 5'39 | 6♍27 | 19°21 | 1°50 | 12°41 | 21° 1 | 25°41 | 18°50 | 6°28 | 4°43 | 8°38 | 10° 2 | 20° 2 | n.a. | M26 |
| T 27 | 23 14 32 | 17° 6'17 | 21°35 | 18° 1 | 2°40 | 13°26 | 20°53 | 25°46 | 18°49 | 6°30 | 4°44 | 8°30 | 9°59 | 20° 9 | n.a. | T 27 |
| W28 | 23 18 29 | 18° 6'56 | 6♎30 | 16°42 | 3°29 | 14°11 | 20°45 | 25°52 | 18°48 | 6°32 | 4°45 | 8°24 | 9°56 | 20°16 | n.a. | W28 |
| T 29 | 23 22 25 | 19° 7'37 | 21° 3 | 15°24 | 4°18 | 14°56 | 20°37 | 25°57 | 18°47 | 6°35 | 4°45 | 8°21 | 9°53 | 20°22 | n.a. | T 29 |
| F 30 | 23 26 22 | 20♍ 8'20 | 5♏ 9 | 14♍11 | 5♏ 5 | 15♎42 | 20♓29 | 26♋ 2 | 18♉46 | 6♍37 | 4♋46 | 8°D19 | 9♉49 | 20♒29 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n47 | 3s 0 | 2n22 | 3n54 | 2s14 | 5s45 | 2s45 | 2n23 | 0n 3 | 4s 2 | 1s46 | 23n 9 | 1n16 | 17n41 | 0s 7 | 11n26 | 1n55 | 34n 3 | 10n12 | 15n24 | 15n33 | 20s51 | | n.a. |
| F 2 | 14 27 | 9 24 | 1 13 | 3 21 | 2 20 | 6 15 | 2 50 | 2 5 | 0 2 | 4 4 | 1 46 | 23 8 | 1 16 | 17 41 | 0 7 | 11 26 | 1 55 | 34 3 | 10 12 | 15 23 | 15 32 | 20 48 | | n.a. |
| S 3 | 14 7 | 15 10 | 0 3 | 2 49 | 2 26 | 6 44 | 2 55 | 1 46 | 0 2 | 4 7 | 1 46 | 23 7 | 1 16 | 17 41 | 0 7 | 11 25 | 1 55 | 34 4 | 10 13 | 15 23 | 15 31 | 20 46 | | n.a. |
| S 4 | 13 47 | 20 3 | 1s 6 | 2 19 | 2 32 | 7 13 | 3 0 | 1 28 | 0 1 | 4 9 | 1 46 | 23 6 | 1 16 | 17 41 | 0 7 | 11 24 | 1 55 | 34 4 | 10 13 | 15 23 | 15 30 | 20 44 | | n.a. |
| M 5 | 13 27 | 23 52 | 2 9 | 1 49 | 2 38 | 7 42 | 3 5 | 1 9 | 0 0 | 4 12 | 1 46 | 23 5 | 1 16 | 17 41 | 0 7 | 11 23 | 1 55 | 34 4 | 10 13 | 15 22 | 15 29 | 20 42 | | n.a. |
| T 6 | 13 6 | 26 29 | 3 5 | 1 21 | 2 43 | 8 11 | 3 9 | 0 51 | 0s 1 | 4 15 | 1 46 | 23 4 | 1 16 | 17 41 | 0 7 | 11 22 | 1 55 | 34 4 | 10 13 | 15 22 | 15 28 | 20 39 | | n.a. |
| W 7 | 12 46 | 27 47 | 3 51 | 0 55 | 2 48 | 8 40 | 3 14 | 0 33 | 0 1 | 4 18 | 1 46 | 23 3 | 1 16 | 17 41 | 0 7 | 11 21 | 1 55 | 34 5 | 10 14 | 15 20 | 15 27 | 20 37 | | n.a. |
| T 8 | 12 25 | 27 44 | 4 26 | 0 30 | 2 53 | 9 8 | 3 19 | 0 14 | 0 2 | 4 20 | 1 47 | 23 2 | 1 17 | 17 41 | 0 7 | 11 21 | 1 55 | 34 5 | 10 14 | 15 18 | 15 26 | 20 35 | | n.a. |
| F 9 | 12 3 | 26 24 | 4 50 | 0 7 | 2 57 | 9 36 | 3 24 | 0s 4 | 0 3 | 4 23 | 1 47 | 23 1 | 1 17 | 17 41 | 0 7 | 11 20 | 1 55 | 34 5 | 10 14 | 15 15 | 15 25 | 20 33 | | n.a. |
| S 10 | 11 42 | 23 53 | 5 0 | 0s13 | 3 0 | 10 4 | 3 29 | 0 23 | 0 4 | 4 26 | 1 47 | 23 0 | 1 17 | 17 41 | 0 7 | 11 19 | 1 55 | 34 5 | 10 15 | 15 11 | 15 24 | 20 30 | | n.a. |
| S 11 | 11 20 | 20 22 | 4 58 | 0 31 | 3 3 | 10 31 | 3 33 | 0 41 | 0 4 | 4 29 | 1 47 | 22 59 | 1 17 | 17 41 | 0 7 | 11 18 | 1 55 | 34 6 | 10 15 | 15 7 | 15 23 | 20 28 | | n.a. |
| M12 | 10 58 | 16 2 | 4 42 | 0 47 | 3 5 | 10 58 | 3 38 | 1 0 | 0 5 | 4 32 | 1 47 | 22 58 | 1 17 | 17 41 | 0 7 | 11 17 | 1 55 | 34 6 | 10 15 | 15 2 | 15 22 | 20 26 | | n.a. |
| T 13 | 10 36 | 11 4 | 4 15 | 0 59 | 3 6 | 11 25 | 3 43 | 1 19 | 0 6 | 4 35 | 1 47 | 22 57 | 1 17 | 17 41 | 0 7 | 11 16 | 1 55 | 34 6 | 10 16 | 14 58 | 15 21 | 20 24 | | n.a. |
| W14 | 10 14 | 5 41 | 3 35 | 1 8 | 3 6 | 11 52 | 3 47 | 1 37 | 0 7 | 4 38 | 1 47 | 22 56 | 1 17 | 17 41 | 0 7 | 11 16 | 1 55 | 34 6 | 10 16 | 14 55 | 15 20 | 20 21 | | n.a. |
| T 15 | 9 52 | 0 2 | 2 46 | 1 13 | 3 5 | 12 18 | 3 52 | 1 56 | 0 7 | 4 41 | 1 47 | 22 55 | 1 18 | 17 41 | 0 7 | 11 15 | 1 55 | 34 7 | 10 16 | 14 52 | 15 19 | 20 19 | | n.a. |
| F 16 | 9 29 | 5n40 | 1 48 | 1 15 | 3 3 | 12 43 | 3 56 | 2 14 | 0 8 | 4 44 | 1 47 | 22 54 | 1 18 | 17 41 | 0 7 | 11 14 | 1 55 | 34 7 | 10 17 | 14 51 | 15 18 | 20 17 | | n.a. |
| S 17 | 9 7 | 11 15 | 0 45 | 1 11 | 3 0 | 13 9 | 4 0 | 2 33 | 0 9 | 4 47 | 1 47 | 22 53 | 1 18 | 17 41 | 0 7 | 11 13 | 1 55 | 34 7 | 10 17 | 14 50 | 15 17 | 20 14 | | n.a. |
| S 18 | 8 44 | 16 30 | 0n22 | 1 3 | 2 55 | 13 34 | 4 4 | 2 52 | 0 9 | 4 50 | 1 47 | 22 52 | 1 18 | 17 41 | 0 7 | 11 12 | 1 55 | 34 8 | 10 17 | 14 50 | 15 16 | 20 12 | | n.a. |
| M19 | 8 21 | 21 8 | 1 30 | 0 50 | 2 49 | 13 58 | 4 9 | 3 10 | 0 10 | 4 53 | 1 47 | 22 51 | 1 18 | 17 41 | 0 7 | 11 11 | 1 55 | 34 8 | 10 18 | 14 50 | 15 14 | 20 10 | | n.a. |
| T 20 | 7 57 | 24 50 | 2 34 | 0 31 | 2 41 | 14 22 | 4 13 | 3 29 | 0 11 | 4 57 | 1 47 | 22 50 | 1 18 | 17 41 | 0 7 | 11 10 | 1 55 | 34 8 | 10 18 | 14 51 | 15 13 | 20 7 | | n.a. |
| W21 | 7 34 | 27 15 | 3 32 | 0 7 | 2 31 | 14 46 | 4 17 | 3 48 | 0 12 | 5 0 | 1 47 | 22 49 | 1 19 | 17 41 | 0 7 | 11 10 | 1 55 | 34 9 | 10 18 | 14 50 | 15 12 | 20 5 | | n.a. |
| T 22 | 7 11 | 28 3 | 4 19 | 0n23 | 2 19 | 15 9 | 4 20 | 4 6 | 0 12 | 5 3 | 1 47 | 22 48 | 1 19 | 17 41 | 0 7 | 11 9 | 1 55 | 34 9 | 10 19 | 14 49 | 15 11 | 20 3 | | n.a. |
| F 23 | 6 47 | 26 59 | 4 51 | 0 58 | 2 5 | 15 32 | 4 24 | 4 25 | 0 13 | 5 6 | 1 47 | 22 47 | 1 19 | 17 41 | 0 7 | 11 8 | 1 55 | 34 9 | 10 19 | 14 48 | 15 10 | 20 0 | | n.a. |
| S 24 | 6 23 | 24 1 | 5 5 | 1 38 | 1 49 | 15 55 | 4 28 | 4 43 | 0 14 | 5 10 | 1 47 | 22 46 | 1 19 | 17 40 | 0 7 | 11 7 | 1 55 | 34 10 | 10 19 | 14 46 | 15 9 | 19 58 | | n.a. |
| S 25 | 6 0 | 19 24 | 4 58 | 2 23 | 1 32 | 16 16 | 4 31 | 5 2 | 0 14 | 5 13 | 1 47 | 22 45 | 1 19 | 17 40 | 0 7 | 11 6 | 1 55 | 34 10 | 10 20 | 14 43 | 15 8 | 19 56 | | n.a. |
| M26 | 5 36 | 13 30 | 4 31 | 3 11 | 1 14 | 16 38 | 4 34 | 5 21 | 0 15 | 5 16 | 1 47 | 22 44 | 1 19 | 17 40 | 0 7 | 11 5 | 1 55 | 34 10 | 10 20 | 14 40 | 15 7 | 19 53 | | n.a. |
| T 27 | 5 12 | 6 49 | 3 44 | 4 0 | 0 54 | 16 59 | 4 38 | 5 39 | 0 16 | 5 19 | 1 47 | 22 43 | 1 20 | 17 40 | 0 7 | 11 5 | 1 55 | 34 10 | 10 21 | 14 38 | 15 6 | 19 51 | | n.a. |
| W28 | 4 47 | 0s 9 | 2 42 | 4 51 | 0 33 | 17 19 | 4 41 | 5 58 | 0 17 | 5 23 | 1 47 | 22 43 | 1 20 | 17 40 | 0 7 | 11 4 | 1 55 | 34 11 | 10 21 | 14 36 | 15 5 | 19 49 | | n.a. |
| T 29 | 4 23 | 6 58 | 1 32 | 5 41 | 0 13 | 17 39 | 4 44 | 6 16 | 0 17 | 5 26 | 1 47 | 22 42 | 1 20 | 17 39 | 0 7 | 11 3 | 1 55 | 34 11 | 10 21 | 14 34 | 15 4 | 19 46 | | n.a. |
| F 30 | 3n59 | 13s14 | 0n17 | 6n28 | 0n 8 | 17s58 | 4s46 | 6s34 | 0s18 | 5s29 | 1s47 | 22n41 | 1n20 | 17n39 | 0s 7 | 11n 2 | 1n55 | 34n11 | 10n22 | 14n34 | 15n 3 | 19s44 | | n.a. |

Julian Day Number = 991531.5, Delta T = 13h01m53s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'25, Lahiri = -31°30'25 Julian Calendar 1 Sept. 1999 BCE == Greg. Calendar 15 Aug. 1999 BCE


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## OCTOBER 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 30 18 | 21♍ 9'04 | 18♏46 | 13°R 5 | 5♏52 | 16♎27 | 20°R20 | 26♋ 8 | 18°R45 | 6♍39 | 4♋47 | 8♉20 | 9♉46 | 20♒36 | n.a. | S 1 |
| S 2 | 23 34 15 | 22° 9'49 | 1♐56 | 12♍ 8 | 6°38 | 17°12 | 20♓12 | 26°13 | 18♉44 | 6°41 | 4°48 | 8°21 | 9°43 | 20°42 | n.a. | S 2 |
| M 3 | 23 38 11 | 23°10'36 | 14°42 | 11°21 | 7°22 | 17°58 | 20° 4 | 26°18 | 18°43 | 6°43 | 4°48 | 8°22 | 9°40 | 20°49 | n.a. | M 3 |
| T 4 | 23 42 8 | 24°11'24 | 27° 8 | 10°45 | 8° 6 | 18°43 | 19°56 | 26°23 | 18°42 | 6°45 | 4°49 | 8°R23 | 9°37 | 20°56 | n.a. | T 4 |
| W 5 | 23 46 4 | 25°12'13 | 9♑18 | 10°22 | 8°49 | 19°29 | 19°48 | 26°28 | 18°41 | 6°48 | 4°49 | 8°21 | 9°34 | 21° 3 | n.a. | W 5 |
| T 6 | 23 50 1 | 26°13'03 | 21°18 | 10°10 | 9°30 | 20°14 | 19°40 | 26°33 | 18°39 | 6°50 | 4°50 | 8°18 | 9°30 | 21° 9 | n.a. | T 6 |
| F 7 | 23 53 58 | 27°13'55 | 3♒12 | 10°D 9 | 10°11 | 21° 0 | 19°32 | 26°38 | 18°38 | 6°52 | 4°50 | 8°13 | 9°27 | 21°16 | n.a. | F 7 |
| S 8 | 23 57 54 | 28°14'48 | 15° 3 | 10°19 | 10°50 | 21°45 | 19°24 | 26°42 | 18°37 | 6°54 | 4°51 | 8° 7 | 9°24 | 21°23 | n.a. | S 8 |
| S 9 | 0 1 51 | 29°15'42 | 26°56 | 10°39 | 11°28 | 22°31 | 19°16 | 26°47 | 18°35 | 6°56 | 4°51 | 7°59 | 9°21 | 21°30 | n.a. | S 9 |
| M10 | 0 5 47 | 0♎16'37 | 8♓52 | 11° 8 | 12° 5 | 23°17 | 19° 8 | 26°52 | 18°34 | 6°58 | 4°52 | 7°51 | 9°18 | 21°36 | n.a. | M10 |
| T 11 | 0 9 44 | 1°17'33 | 20°54 | 11°45 | 12°40 | 24° 2 | 19° 0 | 26°56 | 18°33 | 7° 0 | 4°52 | 7°44 | 9°15 | 21°43 | n.a. | T 11 |
| W12 | 0 13 40 | 2°18'31 | 3♈ 2 | 12°30 | 13°15 | 24°48 | 18°52 | 27° 1 | 18°31 | 7° 2 | 4°53 | 7°39 | 9°11 | 21°50 | n.a. | W12 |
| T 13 | 0 17 37 | 3°19'29 | 15°19 | 13°21 | 13°47 | 25°34 | 18°44 | 27° 5 | 18°29 | 7° 5 | 4°53 | 7°35 | 9° 8 | 21°56 | n.a. | T 13 |
| F 14 | 0 21 33 | 4°20'29 | 27°45 | 14°18 | 14°18 | 26°20 | 18°37 | 27° 9 | 18°28 | 7° 7 | 4°53 | 7°33 | 9° 5 | 22° 3 | n.a. | F 14 |
| S 15 | 0 25 30 | 5°21'31 | 10♉22 | 15°20 | 14°48 | 27° 6 | 18°29 | 27°13 | 18°26 | 7° 9 | 4°54 | 7°D32 | 9° 2 | 22°10 | n.a. | S 15 |
| S 16 | 0 29 26 | 6°22'33 | 23°10 | 16°26 | 15°16 | 27°52 | 18°22 | 27°18 | 18°24 | 7°11 | 4°54 | 7°33 | 8°59 | 22°17 | n.a. | S 16 |
| M17 | 0 33 23 | 7°23'38 | 6♊12 | 17°36 | 15°42 | 28°38 | 18°14 | 27°22 | 18°23 | 7°13 | 4°54 | 7°35 | 8°55 | 22°23 | n.a. | M17 |
| T 18 | 0 37 20 | 8°24'43 | 19°30 | 18°49 | 16° 7 | 29°24 | 18° 7 | 27°25 | 18°21 | 7°15 | 4°54 | 7°36 | 8°52 | 22°30 | n.a. | T 18 |
| W19 | 0 41 16 | 9°25'50 | 3♋ 4 | 20° 5 | 16°29 | 0♏10 | 18° 0 | 27°29 | 18°19 | 7°17 | 4°55 | 7°R37 | 8°49 | 22°37 | n.a. | W19 |
| T 20 | 0 45 13 | 10°26'58 | 16°57 | 21°23 | 16°50 | 0°56 | 17°53 | 27°33 | 18°17 | 7°19 | 4°55 | 7°37 | 8°46 | 22°43 | n.a. | T 20 |
| F 21 | 0 49 9 | 11°28'07 | 1♌ 8 | 22°44 | 17° 9 | 1°43 | 17°46 | 27°37 | 18°15 | 7°21 | 4°55 | 7°36 | 8°43 | 22°50 | n.a. | F 21 |
| S 22 | 0 53 6 | 12°29'18 | 15°35 | 24° 6 | 17°26 | 2°29 | 17°39 | 27°40 | 18°13 | 7°23 | 4°55 | 7°34 | 8°40 | 22°57 | n.a. | S 22 |
| S 23 | 0 57 2 | 13°30'30 | 0♍15 | 25°29 | 17°41 | 3°15 | 17°33 | 27°44 | 18°11 | 7°24 | 4°55 | 7°31 | 8°36 | 23° 4 | n.a. | S 23 |
| M24 | 1 0 59 | 14°31'42 | 15° 2 | 26°54 | 17°54 | 4° 1 | 17°26 | 27°47 | 18° 9 | 7°26 | 4°R55 | 7°27 | 8°33 | 23°10 | n.a. | M24 |
| T 25 | 1 4 56 | 15°32'56 | 29°49 | 28°20 | 18° 4 | 4°48 | 17°20 | 27°50 | 18° 7 | 7°28 | 4°55 | 7°24 | 8°30 | 23°17 | n.a. | T 25 |
| W26 | 1 8 52 | 16°34'10 | 14♎28 | 29°47 | 18°13 | 5°34 | 17°14 | 27°54 | 18° 5 | 7°30 | 4°55 | 7°22 | 8°27 | 23°24 | n.a. | W26 |
| T 27 | 1 12 49 | 17°35'26 | 28°52 | 1♏14 | 18°19 | 6°21 | 17° 8 | 27°57 | 18° 3 | 7°32 | 4°55 | 7°21 | 8°24 | 23°30 | n.a. | T 27 |
| F 28 | 1 16 45 | 18°36'41 | 12♏55 | 2°43 | 18°23 | 7° 7 | 17° 2 | 28° 0 | 18° 1 | 7°34 | 4°55 | 7°D20 | 8°21 | 23°37 | n.a. | F 28 |
| S 29 | 1 20 42 | 19°37'58 | 26°35 | 4°12 | 18°R24 | 7°54 | 16°56 | 28° 3 | 17°59 | 7°36 | 4°55 | 7°21 | 8°17 | 23°44 | n.a. | S 29 |
| S 30 | 1 24 38 | 20°39'15 | 9♐50 | 5°41 | 18°23 | 8°40 | 16°50 | 28° 5 | 17°57 | 7°37 | 4°54 | 7°22 | 8°14 | 23°51 | n.a. | S 30 |
| M31 | 1 28 35 | 21♎40'32 | 22♐41 | 7♏11 | 18♏19 | 9♏27 | 16♓45 | 28♋ 8 | 17♉54 | 7♍39 | 4♋54 | 7♉24 | 8♉11 | 23♒57 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3n35 | 18s39 | 0s56 | 7n12 | 0n27 | 18s16 | 4s49 | 6s53 | 0s19 | 5s32 | 1s47 | 22n40 | 1n20 | 17n39 | 0s 7 | 11n 1 | 1n55 | 34n12 | 10n22 | 14n34 | 15n 2 | 19s42 | | n.a. |
| S 2 | 3 10 | 23 0 | 2 4 | 7 51 | 0 46 | 18 34 | 4 52 | 7 11 | 0 19 | 5 35 | 1 47 | 22 39 | 1 21 | 17 38 | 0 7 | 11 1 | 1 55 | 34 12 | 10 22 | 14 34 | 15 1 | 19 39 | | n.a. |
| M 3 | 2 46 | 26 4 | 3 4 | 8 25 | 1 3 | 18 52 | 4 54 | 7 30 | 0 20 | 5 39 | 1 47 | 22 38 | 1 21 | 17 38 | 0 7 | 11 0 | 1 55 | 34 13 | 10 23 | 14 35 | 15 0 | 19 37 | | n.a. |
| T 4 | 2 21 | 27 46 | 3 53 | 8 54 | 1 19 | 19 8 | 4 56 | 7 48 | 0 21 | 5 42 | 1 47 | 22 38 | 1 21 | 17 38 | 0 7 | 10 59 | 1 55 | 34 13 | 10 23 | 14 35 | 14 59 | 19 34 | | n.a. |
| W 5 | 1 57 | 28 5 | 4 31 | 9 15 | 1 33 | 19 25 | 4 58 | 8 6 | 0 21 | 5 45 | 1 47 | 22 37 | 1 21 | 17 37 | 0 7 | 10 58 | 1 55 | 34 13 | 10 24 | 14 35 | 14 58 | 19 32 | | n.a. |
| T 6 | 1 32 | 27 4 | 4 56 | 9 31 | 1 45 | 19 40 | 4 59 | 8 24 | 0 22 | 5 48 | 1 47 | 22 36 | 1 21 | 17 37 | 0 7 | 10 57 | 1 55 | 34 14 | 10 24 | 14 34 | 14 57 | 19 30 | | n.a. |
| F 7 | 1 7 | 24 49 | 5 8 | 9 41 | 1 55 | 19 55 | 5 1 | 8 42 | 0 23 | 5 51 | 1 46 | 22 35 | 1 21 | 17 37 | 0 7 | 10 57 | 1 55 | 34 14 | 10 24 | 14 32 | 14 56 | 19 27 | | n.a. |
| S 8 | 0 43 | 21 31 | 5 7 | 9 45 | 2 3 | 20 9 | 5 2 | 9 0 | 0 23 | 5 54 | 1 46 | 22 35 | 1 22 | 17 36 | 0 7 | 10 56 | 1 55 | 34 14 | 10 25 | 14 30 | 14 55 | 19 25 | | n.a. |
| S 9 | 0 18 | 17 21 | 4 53 | 9 43 | 2 10 | 20 22 | 5 3 | 9 18 | 0 24 | 5 57 | 1 46 | 22 34 | 1 22 | 17 36 | 0 7 | 10 55 | 1 55 | 34 15 | 10 25 | 14 27 | 14 54 | 19 22 | | n.a. |
| M10 | 0s 7 | 12 30 | 4 26 | 9 37 | 2 15 | 20 35 | 5 4 | 9 36 | 0 25 | 6 0 | 1 46 | 22 33 | 1 22 | 17 36 | 0 7 | 10 54 | 1 55 | 34 15 | 10 25 | 14 25 | 14 53 | 19 20 | | n.a. |
| T 11 | 0 31 | 7 8 | 3 46 | 9 26 | 2 19 | 20 46 | 5 4 | 9 54 | 0 25 | 6 3 | 1 46 | 22 32 | 1 22 | 17 35 | 0 7 | 10 53 | 1 55 | 34 15 | 10 26 | 14 22 | 14 52 | 19 17 | | n.a. |
| W12 | 0 56 | 1 28 | 2 57 | 9 11 | 2 22 | 20 57 | 5 5 | 10 12 | 0 26 | 6 6 | 1 46 | 22 32 | 1 22 | 17 35 | 0 7 | 10 53 | 1 55 | 34 16 | 10 26 | 14 21 | 14 51 | 19 15 | | n.a. |
| T 13 | 1 21 | 4n20 | 1 58 | 8 52 | 2 23 | 21 8 | 5 5 | 10 30 | 0 27 | 6 9 | 1 46 | 22 31 | 1 23 | 17 34 | 0 7 | 10 52 | 1 55 | 34 16 | 10 27 | 14 19 | 14 50 | 19 13 | | n.a. |
| F 14 | 1 46 | 10 4 | 0 53 | 8 30 | 2 23 | 21 17 | 5 4 | 10 47 | 0 27 | 6 12 | 1 45 | 22 30 | 1 23 | 17 34 | 0 7 | 10 51 | 1 55 | 34 16 | 10 27 | 14 18 | 14 49 | 19 10 | | n.a. |
| S 15 | 2 10 | 15 28 | 0n15 | 8 5 | 2 23 | 21 26 | 5 4 | 11 5 | 0 28 | 6 15 | 1 45 | 22 30 | 1 23 | 17 33 | 0 7 | 10 50 | 1 55 | 34 17 | 10 27 | 14 18 | 14 48 | 19 8 | | n.a. |
| S 16 | 2 35 | 20 18 | 1 25 | 7 37 | 2 21 | 21 33 | 5 3 | 11 22 | 0 29 | 6 18 | 1 45 | 22 29 | 1 23 | 17 33 | 0 7 | 10 50 | 1 55 | 34 17 | 10 28 | 14 19 | 14 47 | 19 5 | | n.a. |
| M17 | 2 59 | 24 15 | 2 30 | 7 8 | 2 19 | 21 40 | 5 1 | 11 40 | 0 29 | 6 21 | 1 45 | 22 29 | 1 24 | 17 32 | 0 7 | 10 49 | 1 55 | 34 18 | 10 28 | 14 19 | 14 46 | 19 3 | | n.a. |
| T 18 | 3 24 | 26 59 | 3 30 | 6 36 | 2 16 | 21 46 | 5 0 | 11 57 | 0 30 | 6 23 | 1 45 | 22 28 | 1 24 | 17 32 | 0 7 | 10 48 | 1 55 | 34 18 | 10 29 | 14 20 | 14 45 | 19 0 | | n.a. |
| W19 | 3 49 | 28 12 | 4 19 | 6 2 | 2 13 | 21 51 | 4 58 | 12 14 | 0 31 | 6 26 | 1 44 | 22 27 | 1 24 | 17 31 | 0 7 | 10 48 | 1 55 | 34 18 | 10 29 | 14 20 | 14 44 | 18 58 | | n.a. |
| T 20 | 4 13 | 27 41 | 4 54 | 5 27 | 2 9 | 21 55 | 4 55 | 12 31 | 0 31 | 6 28 | 1 44 | 22 27 | 1 24 | 17 31 | 0 7 | 10 47 | 1 55 | 34 19 | 10 29 | 14 20 | 14 43 | 18 55 | | n.a. |
| F 21 | 4 37 | 25 22 | 5 12 | 4 51 | 2 5 | 21 58 | 4 53 | 12 48 | 0 32 | 6 31 | 1 44 | 22 26 | 1 24 | 17 30 | 0 7 | 10 46 | 1 55 | 34 19 | 10 30 | 14 20 | 14 42 | 18 53 | | n.a. |
| S 22 | 5 2 | 21 25 | 5 11 | 4 13 | 2 0 | 22 0 | 4 50 | 13 5 | 0 32 | 6 34 | 1 44 | 22 26 | 1 25 | 17 30 | 0 7 | 10 45 | 1 56 | 34 20 | 10 30 | 14 19 | 14 41 | 18 50 | | n.a. |
| S 23 | 5 26 | 16 6 | 4 50 | 3 35 | 1 55 | 22 1 | 4 46 | 13 22 | 0 33 | 6 36 | 1 43 | 22 25 | 1 25 | 17 29 | 0 7 | 10 45 | 1 56 | 34 20 | 10 30 | 14 18 | 14 40 | 18 48 | | n.a. |
| M24 | 5 50 | 9 49 | 4 9 | 2 55 | 1 49 | 22 0 | 4 42 | 13 39 | 0 34 | 6 38 | 1 43 | 22 25 | 1 25 | 17 29 | 0 7 | 10 44 | 1 56 | 34 20 | 10 31 | 14 17 | 14 38 | 18 45 | | n.a. |
| T 25 | 6 14 | 3 0 | 3 12 | 2 15 | 1 44 | 21 59 | 4 37 | 13 55 | 0 34 | 6 41 | 1 43 | 22 24 | 1 25 | 17 28 | 0 7 | 10 43 | 1 56 | 34 21 | 10 31 | 14 16 | 14 37 | 18 43 | | n.a. |
| W26 | 6 38 | 3s56 | 2 3 | 1 35 | 1 38 | 21 57 | 4 32 | 14 12 | 0 35 | 6 43 | 1 43 | 22 24 | 1 25 | 17 28 | 0 7 | 10 43 | 1 56 | 34 21 | 10 32 | 14 15 | 14 36 | 18 40 | | n.a. |
| T 27 | 7 2 | 10 34 | 0 47 | 0 53 | 1 32 | 21 53 | 4 27 | 14 28 | 0 36 | 6 45 | 1 42 | 22 24 | 1 26 | 17 27 | 0 7 | 10 42 | 1 56 | 34 21 | 10 32 | 14 14 | 14 35 | 18 38 | | n.a. |
| F 28 | 7 26 | 16 31 | 0s31 | 0 12 | 1 25 | 21 49 | 4 21 | 14 44 | 0 36 | 6 47 | 1 42 | 22 23 | 1 26 | 17 26 | 0 7 | 10 41 | 1 56 | 34 22 | 10 32 | 14 14 | 14 34 | 18 35 | | n.a. |
| S 29 | 7 50 | 21 28 | 1 44 | 0s30 | 1 19 | 21 43 | 4 14 | 15 0 | 0 37 | 6 49 | 1 42 | 22 23 | 1 26 | 17 26 | 0 7 | 10 41 | 1 56 | 34 22 | 10 33 | 14 15 | 14 33 | 18 33 | | n.a. |
| S 30 | 8 13 | 25 10 | 2 50 | 1 12 | 1 12 | 21 36 | 4 7 | 15 16 | 0 37 | 6 51 | 1 42 | 22 22 | 1 26 | 17 25 | 0 7 | 10 40 | 1 56 | 34 23 | 10 33 | 14 15 | 14 32 | 18 30 | | n.a. |
| M31 | 8s37 | 27s28 | 3s45 | 1s54 | 1n 6 | 21s28 | 4s 0 | 15s32 | 0s38 | 6s53 | 1s41 | 22n22 | 1n27 | 17n25 | 0s 7 | 10n39 | 1n56 | 34n23 | 10n33 | 14n16 | 14n31 | 18s28 | | n.a. |

Julian Day Number = 991561.5, Delta T = 13h01m51s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'21, Lahiri = -31°30'21 Julian Calendar 1 Oct. 1999 BCE == Greg. Calendar 14 Sept. 1999 BCE

The year -1998 astronomical counting style corresponds to year 1999 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## NOVEMBER 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 32 31 | 22♎41'50 | 5♉12 | 8♎41 | 18°R13 | 10♏14 | 16°R40 | 28♋11 | 17°R52 | 7♍41 | 4°R54 | 7♉25 | 8♉ 8 | 24♒ 4 | n.a. | T 1 |
| W 2 | 1 36 28 | 23°43'08 | 17°27 | 10°12 | 18♏ 4 | 11° 0 | 16♓34 | 28°13 | 17♉50 | 7°42 | 4♋54 | 7°26 | 8° 5 | 24°11 | n.a. | W 2 |
| T 3 | 1 40 25 | 24°44'26 | 29°29 | 11°43 | 17°53 | 11°47 | 16°29 | 28°16 | 17°48 | 7°44 | 4°53 | 7°R26 | 8° 1 | 24°18 | n.a. | T 3 |
| F 4 | 1 44 21 | 25°45'44 | 11♒23 | 13°14 | 17°40 | 12°34 | 16°25 | 28°18 | 17°45 | 7°46 | 4°53 | 7°25 | 7°58 | 24°24 | n.a. | F 4 |
| S 5 | 1 48 18 | 26°47'02 | 23°15 | 14°46 | 17°23 | 13°20 | 16°20 | 28°20 | 17°43 | 7°47 | 4°53 | 7°24 | 7°55 | 24°31 | n.a. | S 5 |
| S 6 | 1 52 14 | 27°48'20 | 5♓ 8 | 16°17 | 17° 5 | 14° 7 | 16°16 | 28°22 | 17°40 | 7°49 | 4°52 | 7°23 | 7°52 | 24°38 | n.a. | S 6 |
| M 7 | 1 56 11 | 28°49'38 | 17° 7 | 17°49 | 16°44 | 14°54 | 16°12 | 28°24 | 17°38 | 7°51 | 4°52 | 7°21 | 7°49 | 24°44 | n.a. | M 7 |
| T 8 | 2 0 7 | 29°50'57 | 29°14 | 19°22 | 16°21 | 15°41 | 16° 8 | 28°26 | 17°36 | 7°52 | 4°52 | 7°20 | 7°46 | 24°51 | n.a. | T 8 |
| W 9 | 2 4 4 | 0♏52'15 | 11♈32 | 20°54 | 15°55 | 16°28 | 16° 4 | 28°28 | 17°33 | 7°54 | 4°51 | 7°19 | 7°42 | 24°58 | n.a. | W 9 |
| T 10 | 2 8 1 | 1°53'33 | 24° 3 | 22°27 | 15°28 | 17°15 | 16° 0 | 28°29 | 17°31 | 7°55 | 4°51 | 7°19 | 7°39 | 25° 5 | n.a. | T 10 |
| F 11 | 2 11 57 | 2°54'52 | 6♉47 | 24° 0 | 14°59 | 18° 2 | 15°57 | 28°31 | 17°28 | 7°57 | 4°50 | 7°D19 | 7°36 | 25°11 | n.a. | F 11 |
| S 12 | 2 15 54 | 3°56'11 | 19°45 | 25°33 | 14°28 | 18°49 | 15°53 | 28°32 | 17°26 | 7°58 | 4°49 | 7°19 | 7°33 | 25°18 | n.a. | S 12 |
| S 13 | 2 19 50 | 4°57'30 | 2♊57 | 27° 6 | 13°55 | 19°36 | 15°50 | 28°34 | 17°23 | 8° 0 | 4°49 | 7°19 | 7°30 | 25°25 | n.a. | S 13 |
| M14 | 2 23 47 | 5°58'49 | 16°22 | 28°40 | 13°21 | 20°23 | 15°47 | 28°35 | 17°21 | 8° 1 | 4°48 | 7°19 | 7°26 | 25°31 | n.a. | M14 |
| T 15 | 2 27 43 | 7° 0'08 | 29°59 | 0♏14 | 12°47 | 21°10 | 15°45 | 28°36 | 17°18 | 8° 2 | 4°48 | 7°R19 | 7°23 | 25°38 | n.a. | T 15 |
| W16 | 2 31 40 | 8° 1'27 | 13♋47 | 1°48 | 12°11 | 21°57 | 15°42 | 28°37 | 17°16 | 8° 4 | 4°47 | 7°19 | 7°20 | 25°45 | n.a. | W16 |
| T 17 | 2 35 37 | 9° 2'47 | 27°45 | 3°22 | 11°34 | 22°44 | 15°40 | 28°38 | 17°13 | 8° 5 | 4°46 | 7°19 | 7°17 | 25°52 | n.a. | T 17 |
| F 18 | 2 39 33 | 10° 4'06 | 11♌51 | 4°57 | 10°58 | 23°31 | 15°38 | 28°39 | 17°10 | 8° 6 | 4°46 | 7°D19 | 7°14 | 25°58 | n.a. | F 18 |
| S 19 | 2 43 30 | 11° 5'26 | 26° 4 | 6°32 | 10°21 | 24°18 | 15°36 | 28°40 | 17° 8 | 8° 8 | 4°45 | 7°19 | 7°11 | 26° 5 | n.a. | S 19 |
| S 20 | 2 47 26 | 12° 6'46 | 10♍21 | 8° 8 | 9°44 | 25° 5 | 15°35 | 28°40 | 17° 5 | 8° 9 | 4°44 | 7°20 | 7° 7 | 26°12 | n.a. | S 20 |
| M21 | 2 51 23 | 13° 8'05 | 24°40 | 9°44 | 9° 8 | 25°52 | 15°33 | 28°41 | 17° 3 | 8°10 | 4°43 | 7°20 | 7° 4 | 26°18 | n.a. | M21 |
| T 22 | 2 55 19 | 14° 9'25 | 8♎56 | 11°20 | 8°33 | 26°39 | 15°32 | 28°41 | 17° 0 | 8°11 | 4°42 | 7°21 | 7° 1 | 26°25 | n.a. | T 22 |
| W23 | 2 59 16 | 15°10'44 | 23° 7 | 12°56 | 7°58 | 27°27 | 15°31 | 28°41 | 16°57 | 8°12 | 4°42 | 7°21 | 6°58 | 26°32 | n.a. | W23 |
| T 24 | 3 3 12 | 16°12'03 | 7♏ 7 | 14°33 | 7°25 | 28°14 | 15°30 | 28°41 | 16°55 | 8°14 | 4°41 | 7°R22 | 6°55 | 26°39 | n.a. | T 24 |
| F 25 | 3 7 9 | 17°13'22 | 20°53 | 16°11 | 6°53 | 29° 1 | 15°29 | 28°R42 | 16°52 | 8°15 | 4°40 | 7°21 | 6°52 | 26°45 | n.a. | F 25 |
| S 26 | 3 11 6 | 18°14'40 | 4♐22 | 17°49 | 6°22 | 29°48 | 15°29 | 28°41 | 16°50 | 8°16 | 4°39 | 7°20 | 6°48 | 26°52 | n.a. | S 26 |
| S 27 | 3 15 2 | 19°15'58 | 17°32 | 19°27 | 5°53 | 0♐36 | 15°D29 | 28°41 | 16°47 | 8°17 | 4°38 | 7°19 | 6°45 | 26°59 | n.a. | S 27 |
| M28 | 3 18 59 | 20°17'15 | 0♑23 | 21° 6 | 5°27 | 1°23 | 15°29 | 28°41 | 16°44 | 8°18 | 4°37 | 7°17 | 6°42 | 27° 5 | n.a. | M28 |
| T 29 | 3 22 55 | 21°18'31 | 12°56 | 22°45 | 5° 2 | 2°10 | 15°29 | 28°41 | 16°42 | 8°19 | 4°36 | 7°15 | 6°39 | 27°12 | n.a. | T 29 |
| W30 | 3 26 52 | 22♏19'47 | 25♑13 | 24♏25 | 4♏39 | 2♐57 | 15♓29 | 28♋40 | 16♉39 | 8♍20 | 4♋35 | 7♉13 | 6♉36 | 27♒19 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s 0 | 28s17 | 4s28 | 2s37 | 0n59 | 21s18 | 3s52 | 15s47 | 0s38 | 6s55 | 1s41 | 22n22 | 1n27 | 17n24 | 0s 7 | 10n39 | 1n56 | 34n23 | 10n34 | 14n16 | 14n30 | 18s25 | | n.a. |
| W 2 | 9 23 | 27 40 | 4 57 | 3 19 | 0 52 | 21 7 | 3 43 | 16 3 | 0 39 | 6 57 | 1 41 | 22 21 | 1 27 | 17 23 | 0 7 | 10 38 | 1 56 | 34 24 | 10 34 | 14 16 | 14 29 | 18 23 | | n.a. |
| T 3 | 9 46 | 25 46 | 5 13 | 4 2 | 0 45 | 20 55 | 3 34 | 16 18 | 0 40 | 6 58 | 1 40 | 22 21 | 1 27 | 17 23 | 0 7 | 10 38 | 1 56 | 34 24 | 10 35 | 14 16 | 14 28 | 18 20 | | n.a. |
| F 4 | 10 9 | 22 45 | 5 15 | 4 44 | 0 39 | 20 42 | 3 24 | 16 33 | 0 40 | 7 0 | 1 40 | 22 21 | 1 27 | 17 22 | 0 7 | 10 37 | 1 56 | 34 25 | 10 35 | 14 16 | 14 27 | 18 17 | | n.a. |
| S 5 | 10 32 | 18 49 | 5 4 | 5 27 | 0 32 | 20 27 | 3 13 | 16 48 | 0 41 | 7 1 | 1 40 | 22 21 | 1 28 | 17 21 | 0 7 | 10 37 | 1 56 | 34 25 | 10 35 | 14 16 | 14 26 | 18 15 | | n.a. |
| S 6 | 10 54 | 14 9 | 4 40 | 6 9 | 0 25 | 20 11 | 3 2 | 17 3 | 0 41 | 7 3 | 1 40 | 22 20 | 1 28 | 17 21 | 0 7 | 10 36 | 1 56 | 34 25 | 10 36 | 14 15 | 14 25 | 18 12 | | n.a. |
| M 7 | 11 17 | 8 55 | 4 4 | 6 51 | 0 18 | 19 54 | 2 51 | 17 18 | 0 42 | 7 4 | 1 39 | 22 20 | 1 28 | 17 20 | 0 7 | 10 35 | 1 56 | 34 26 | 10 36 | 14 15 | 14 24 | 18 10 | | n.a. |
| T 8 | 11 39 | 3 18 | 3 16 | 7 33 | 0 11 | 19 35 | 2 38 | 17 33 | 0 42 | 7 6 | 1 39 | 22 20 | 1 28 | 17 19 | 0 7 | 10 35 | 1 56 | 34 26 | 10 36 | 14 14 | 14 23 | 18 7 | | n.a. |
| W 9 | 12 1 | 2n32 | 2 18 | 8 15 | 0 5 | 19 16 | 2 26 | 17 47 | 0 43 | 7 7 | 1 39 | 22 20 | 1 29 | 17 19 | 0 7 | 10 34 | 1 56 | 34 26 | 10 37 | 14 14 | 14 22 | 18 5 | | n.a. |
| T 10 | 12 22 | 8 23 | 1 13 | 8 56 | 0s 2 | 18 55 | 2 13 | 18 1 | 0 43 | 7 8 | 1 38 | 22 20 | 1 29 | 17 18 | 0 7 | 10 34 | 1 56 | 34 27 | 10 37 | 14 14 | 14 21 | 18 2 | | n.a. |
| F 11 | 12 44 | 14 1 | 0 3 | 9 38 | 0 9 | 18 33 | 1 59 | 18 15 | 0 44 | 7 9 | 1 38 | 22 20 | 1 29 | 17 17 | 0 7 | 10 33 | 1 57 | 34 27 | 10 38 | 14 14 | 14 20 | 17 59 | | n.a. |
| S 12 | 13 5 | 19 8 | 1n 8 | 10 19 | 0 15 | 18 10 | 1 45 | 18 29 | 0 44 | 7 10 | 1 38 | 22 20 | 1 29 | 17 16 | 0 7 | 10 33 | 1 57 | 34 28 | 10 38 | 14 14 | 14 19 | 17 57 | | n.a. |
| S 13 | 13 26 | 23 25 | 2 17 | 10 59 | 0 22 | 17 47 | 1 31 | 18 42 | 0 45 | 7 11 | 1 37 | 22 20 | 1 30 | 17 16 | 0 6 | 10 32 | 1 57 | 34 28 | 10 38 | 14 14 | 14 17 | 17 54 | | n.a. |
| M14 | 13 47 | 26 32 | 3 20 | 11 39 | 0 28 | 17 22 | 1 16 | 18 56 | 0 46 | 7 12 | 1 37 | 22 20 | 1 30 | 17 15 | 0 6 | 10 32 | 1 57 | 34 28 | 10 39 | 14 14 | 14 16 | 17 52 | | n.a. |
| T 15 | 14 8 | 28 8 | 4 12 | 12 19 | 0 34 | 16 57 | 1 1 | 19 9 | 0 46 | 7 13 | 1 37 | 22 20 | 1 30 | 17 14 | 0 6 | 10 31 | 1 57 | 34 29 | 10 39 | 14 14 | 14 15 | 17 49 | | n.a. |
| W16 | 14 28 | 28 1 | 4 51 | 12 58 | 0 41 | 16 31 | 0 46 | 19 22 | 0 47 | 7 13 | 1 36 | 22 20 | 1 30 | 17 14 | 0 6 | 10 31 | 1 57 | 34 29 | 10 39 | 14 14 | 14 14 | 17 46 | | n.a. |
| T 17 | 14 48 | 26 8 | 5 13 | 13 37 | 0 47 | 16 5 | 0 30 | 19 35 | 0 47 | 7 14 | 1 36 | 22 20 | 1 31 | 17 13 | 0 6 | 10 30 | 1 57 | 34 29 | 10 40 | 14 14 | 14 13 | 17 44 | | n.a. |
| F 18 | 15 8 | 22 38 | 5 16 | 14 15 | 0 52 | 15 39 | 0 15 | 19 48 | 0 48 | 7 14 | 1 35 | 22 20 | 1 31 | 17 12 | 0 6 | 10 30 | 1 57 | 34 30 | 10 40 | 14 14 | 14 12 | 17 41 | | n.a. |
| S 19 | 15 28 | 17 46 | 5 0 | 14 53 | 0 58 | 15 13 | 0n 1 | 20 0 | 0 48 | 7 15 | 1 35 | 22 20 | 1 31 | 17 11 | 0 6 | 10 30 | 1 57 | 34 30 | 10 40 | 14 14 | 14 11 | 17 39 | | n.a. |
| S 20 | 15 47 | 11 55 | 4 26 | 15 30 | 1 4 | 14 46 | 0 16 | 20 12 | 0 48 | 7 15 | 1 35 | 22 20 | 1 31 | 17 11 | 0 6 | 10 29 | 1 57 | 34 31 | 10 41 | 14 14 | 14 10 | 17 36 | | n.a. |
| M21 | 16 6 | 5 26 | 3 35 | 16 7 | 1 9 | 14 20 | 0 32 | 20 24 | 0 49 | 7 15 | 1 34 | 22 20 | 1 31 | 17 10 | 0 6 | 10 29 | 1 57 | 34 31 | 10 41 | 14 14 | 14 9 | 17 33 | | n.a. |
| T 22 | 16 25 | 1s18 | 2 31 | 16 43 | 1 14 | 13 54 | 0 47 | 20 36 | 0 49 | 7 15 | 1 34 | 22 20 | 1 32 | 17 9 | 0 6 | 10 28 | 1 57 | 34 31 | 10 41 | 14 15 | 14 8 | 17 31 | | n.a. |
| W23 | 16 43 | 7 57 | 1 18 | 17 18 | 1 19 | 13 29 | 1 2 | 20 48 | 0 50 | 7 15 | 1 34 | 22 20 | 1 32 | 17 8 | 0 6 | 10 28 | 1 57 | 34 32 | 10 42 | 14 15 | 14 7 | 17 28 | | n.a. |
| T 24 | 17 1 | 14 9 | 0 1 | 17 52 | 1 24 | 13 4 | 1 17 | 20 59 | 0 50 | 7 15 | 1 33 | 22 21 | 1 32 | 17 8 | 0 6 | 10 28 | 1 57 | 34 32 | 10 42 | 14 15 | 14 6 | 17 25 | | n.a. |
| F 25 | 17 19 | 19 32 | 1s14 | 18 26 | 1 29 | 12 39 | 1 31 | 21 10 | 0 51 | 7 15 | 1 33 | 22 21 | 1 32 | 17 7 | 0 6 | 10 27 | 1 57 | 34 32 | 10 42 | 14 15 | 14 5 | 17 23 | | n.a. |
| S 26 | 17 37 | 23 48 | 2 24 | 18 58 | 1 33 | 12 16 | 1 45 | 21 21 | 0 51 | 7 15 | 1 33 | 22 21 | 1 33 | 17 6 | 0 6 | 10 27 | 1 57 | 34 33 | 10 43 | 14 14 | 14 4 | 17 20 | | n.a. |
| S 27 | 17 54 | 26 43 | 3 24 | 19 30 | 1 37 | 11 54 | 1 59 | 21 32 | 0 52 | 7 15 | 1 32 | 22 21 | 1 33 | 17 5 | 0 6 | 10 27 | 1 58 | 34 33 | 10 43 | 14 14 | 14 3 | 17 17 | | n.a. |
| M28 | 18 11 | 28 8 | 4 13 | 20 1 | 1 41 | 11 32 | 2 12 | 21 42 | 0 52 | 7 15 | 1 32 | 22 22 | 1 33 | 17 5 | 0 6 | 10 26 | 1 58 | 34 33 | 10 43 | 14 13 | 14 2 | 17 15 | | n.a. |
| T 29 | 18 27 | 28 3 | 4 48 | 20 31 | 1 45 | 11 12 | 2 24 | 21 52 | 0 53 | 7 14 | 1 32 | 22 22 | 1 33 | 17 4 | 0 6 | 10 26 | 1 58 | 34 34 | 10 44 | 14 13 | 14 1 | 17 12 | | n.a. |
| W30 | 18s43 | 26s35 | 5s 9 | 21s 0 | 1s48 | 10s53 | 2n37 | 22s 2 | 0s53 | 7s14 | 1s31 | 22n22 | 1n34 | 17n 3 | 0s 6 | 10n26 | 1n58 | 34n34 | 10n44 | 14n12 | 13n59 | 17s 9 | | n.a. |

Julian Day Number = 991592.5, Delta T = 13h01m49s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'17, Lahiri = -31°30'17 Julian Calendar 1 Nov. 1999 BCE == Greg. Calendar 15 Oct. 1999 BCE


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# ASTRODIENST EPHEMERIS for the year 1999 BCE
# geocentric

## DECEMBER 1999 BCE (-1998) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 30 48 | 23♏21'01 | 7♒18 | 26♏ 5 | 4°R19 | 3♐45 | 15♓30 | 28°R40 | 16°R37 | 8♍20 | 4°R34 | 7°R12 | 6♉32 | 27♒26 | n.a. | T 1 |
| F 2 | 3 34 45 | 24°22'14 | 19°13 | 27°45 | 4♏ 0 | 4°32 | 15°31 | 28♋39 | 16♉34 | 8°21 | 4♋33 | 7°D11 | 6°29 | 27°32 | n.a. | F 2 |
| S 3 | 3 38 42 | 25°23'26 | 1♓ 5 | 29°26 | 3°45 | 5°19 | 15°32 | 28°38 | 16°32 | 8°22 | 4°32 | 7♉11 | 6°26 | 27°39 | n.a. | S 3 |
| S 4 | 3 42 38 | 26°24'37 | 12°58 | 1♐ 8 | 3°31 | 6° 7 | 15°33 | 28°37 | 16°29 | 8°23 | 4°31 | 7°12 | 6°23 | 27°46 | n.a. | S 4 |
| M 5 | 3 46 35 | 27°25'47 | 24°57 | 2°50 | 3°21 | 6°54 | 15°35 | 28°36 | 16°26 | 8°24 | 4°30 | 7°13 | 6°20 | 27°52 | n.a. | M 5 |
| T 6 | 3 50 31 | 28°26'56 | 7♈ 6 | 4°32 | 3°12 | 7°41 | 15°36 | 28°35 | 16°24 | 8°24 | 4°29 | 7°15 | 6°17 | 27°59 | n.a. | T 6 |
| W 7 | 3 54 28 | 29°28'04 | 19°29 | 6°15 | 3° 7 | 8°29 | 15°38 | 28°34 | 16°21 | 8°25 | 4°27 | 7°16 | 6°13 | 28° 6 | n.a. | W 7 |
| T 8 | 3 58 24 | 0♐29'10 | 2♉ 9 | 7°58 | 3° 3 | 9°16 | 15°40 | 28°32 | 16°19 | 8°26 | 4°26 | 7°R17 | 6°10 | 28°13 | n.a. | T 8 |
| F 9 | 4 2 21 | 1°30'16 | 15° 9 | 9°42 | 3°D 2 | 10° 3 | 15°43 | 28°31 | 16°16 | 8°26 | 4°25 | 7°17 | 6° 7 | 28°19 | n.a. | F 9 |
| S 10 | 4 6 18 | 2°31'20 | 28°28 | 11°25 | 3° 4 | 10°51 | 15°45 | 28°29 | 16°14 | 8°27 | 4°24 | 7°16 | 6° 4 | 28°26 | n.a. | S 10 |
| S 11 | 4 10 14 | 3°32'23 | 12♊ 6 | 13° 9 | 3° 8 | 11°38 | 15°48 | 28°28 | 16°11 | 8°28 | 4°23 | 7°13 | 6° 1 | 28°33 | n.a. | S 11 |
| M12 | 4 14 11 | 4°33'26 | 26° 0 | 14°53 | 3°15 | 12°25 | 15°51 | 28°26 | 16° 9 | 8°28 | 4°21 | 7° 9 | 5°58 | 28°39 | n.a. | M12 |
| T 13 | 4 18 7 | 5°34'27 | 10♋ 6 | 16°37 | 3°23 | 13°13 | 15°54 | 28°24 | 16° 7 | 8°29 | 4°20 | 7° 5 | 5°54 | 28°46 | n.a. | T 13 |
| W14 | 4 22 4 | 6°35'27 | 24°20 | 18°20 | 3°34 | 14° 0 | 15°57 | 28°22 | 16° 4 | 8°29 | 4°19 | 7° 0 | 5°51 | 28°53 | n.a. | W14 |
| T 15 | 4 26 0 | 7°36'26 | 8♌37 | 20° 3 | 3°47 | 14°47 | 16° 0 | 28°20 | 16° 2 | 8°30 | 4°18 | 6°57 | 5°48 | 29° 0 | n.a. | T 15 |
| F 16 | 4 29 57 | 8°37'25 | 22°54 | 21°45 | 4° 3 | 15°35 | 16° 4 | 28°18 | 15°59 | 8°30 | 4°16 | 6°54 | 5°45 | 29° 6 | n.a. | F 16 |
| S 17 | 4 33 53 | 9°38'22 | 7♍ 6 | 23°27 | 4°20 | 16°22 | 16° 8 | 28°16 | 15°57 | 8°30 | 4°15 | 6°D53 | 5°42 | 29°13 | n.a. | S 17 |
| S 18 | 4 37 50 | 10°39'18 | 21°13 | 25° 7 | 4°40 | 17°10 | 16°12 | 28°14 | 15°55 | 8°31 | 4°14 | 6°54 | 5°38 | 29°20 | n.a. | S 18 |
| M19 | 4 41 47 | 11°40'13 | 5♎12 | 26°46 | 5° 1 | 17°57 | 16°16 | 28°11 | 15°53 | 8°31 | 4°12 | 6°55 | 5°35 | 29°26 | n.a. | M19 |
| T 20 | 4 45 43 | 12°41'07 | 19° 2 | 28°22 | 5°24 | 18°44 | 16°20 | 28° 9 | 15°50 | 8°31 | 4°11 | 6°57 | 5°32 | 29°33 | n.a. | T 20 |
| W21 | 4 49 40 | 13°42'00 | 2♏44 | 29°57 | 5°49 | 19°32 | 16°25 | 28° 6 | 15°48 | 8°31 | 4° 9 | 6°R58 | 5°29 | 29°40 | n.a. | W21 |
| T 22 | 4 53 36 | 14°42'51 | 16°16 | 1♑28 | 6°16 | 20°19 | 16°30 | 28° 3 | 15°46 | 8°32 | 4° 8 | 6°57 | 5°26 | 29°47 | n.a. | T 22 |
| F 23 | 4 57 33 | 15°43'42 | 29°37 | 2°56 | 6°44 | 21° 6 | 16°35 | 28° 1 | 15°44 | 8°32 | 4° 7 | 6°55 | 5°23 | 29°53 | n.a. | F 23 |
| S 24 | 5 1 29 | 16°44'31 | 12♐45 | 4°19 | 7°14 | 21°54 | 16°40 | 27°58 | 15°42 | 8°32 | 4° 5 | 6°51 | 5°19 | 0♓ 0 | n.a. | S 24 |
| S 25 | 5 5 26 | 17°45'18 | 25°41 | 5°38 | 7°46 | 22°41 | 16°45 | 27°55 | 15°39 | 8°32 | 4° 4 | 6°45 | 5°16 | 0° 7 | n.a. | S 25 |
| M26 | 5 9 23 | 18°46'04 | 8♑22 | 6°51 | 8°19 | 23°28 | 16°50 | 27°52 | 15°37 | 8°32 | 4° 2 | 6°37 | 5°13 | 0°13 | n.a. | M26 |
| T 27 | 5 13 19 | 19°46'48 | 20°50 | 7°58 | 8°53 | 24°15 | 16°56 | 27°49 | 15°35 | 8°R32 | 4° 1 | 6°29 | 5°10 | 0°20 | n.a. | T 27 |
| W28 | 5 17 16 | 20°47'31 | 3♒ 4 | 8°58 | 9°29 | 25° 3 | 17° 2 | 27°45 | 15°33 | 8°32 | 4° 0 | 6°21 | 5° 7 | 0°27 | n.a. | W28 |
| T 29 | 5 21 12 | 21°48'11 | 15° 8 | 9°50 | 10° 6 | 25°50 | 17° 8 | 27°42 | 15°31 | 8°32 | 3°58 | 6°13 | 5° 4 | 0°34 | n.a. | T 29 |
| F 30 | 5 25 9 | 22°48'50 | 27° 3 | 10°34 | 10°44 | 26°37 | 17°14 | 27°39 | 15°29 | 8°32 | 3°57 | 6° 8 | 5° 0 | 0°40 | n.a. | F 30 |
| S 31 | 5 29 5 | 23♐49'26 | 8♓54 | 11♑ 9 | 11♏24 | 27♐25 | 17♓20 | 27♋35 | 15♉28 | 8♍32 | 3♋55 | 6♉ 4 | 4♉57 | 0♓47 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18s59 | 23s54 | 5s16 | 21s28 | 1s51 | 10s35 | 2n48 | 22s12 | 0s53 | 7s13 | 1s31 | 22n23 | 1n34 | 17n 2 | 0s 6 | 10n25 | 1n58 | 34n34 | 10n44 | 14n12 | 13n58 | 17s 7 | | n.a. |
| F 2 | 19 15 | 20 14 | 5 9 | 21 54 | 1 54 | 10 18 | 2 59 | 22 22 | 0 54 | 7 12 | 1 30 | 22 23 | 1 34 | 17 2 | 0 6 | 10 25 | 1 58 | 34 35 | 10 44 | 14 11 | 13 57 | 17 4 | | n.a. |
| S 3 | 19 30 | 15 47 | 4 49 | 22 19 | 1 56 | 10 3 | 3 10 | 22 31 | 0 54 | 7 12 | 1 30 | 22 23 | 1 34 | 17 1 | 0 6 | 10 25 | 1 58 | 34 35 | 10 45 | 14 11 | 13 56 | 17 1 | | n.a. |
| S 4 | 19 45 | 10 45 | 4 16 | 22 43 | 1 58 | 9 49 | 3 20 | 22 40 | 0 55 | 7 11 | 1 30 | 22 24 | 1 35 | 17 0 | 0 6 | 10 25 | 1 58 | 34 35 | 10 45 | 14 12 | 13 55 | 16 59 | | n.a. |
| M 5 | 19 59 | 5 17 | 3 33 | 23 6 | 1 59 | 9 37 | 3 29 | 22 48 | 0 55 | 7 10 | 1 29 | 22 24 | 1 35 | 16 59 | 0 6 | 10 24 | 1 58 | 34 36 | 10 45 | 14 12 | 13 54 | 16 56 | | n.a. |
| T 6 | 20 13 | 0n27 | 2 39 | 23 27 | 2 0 | 9 26 | 3 38 | 22 57 | 0 55 | 7 9 | 1 29 | 22 25 | 1 35 | 16 59 | 0 6 | 10 24 | 1 58 | 34 36 | 10 46 | 14 13 | 13 53 | 16 53 | | n.a. |
| W 7 | 20 27 | 6 17 | 1 37 | 23 47 | 2 1 | 9 16 | 3 46 | 23 5 | 0 56 | 7 8 | 1 29 | 22 25 | 1 35 | 16 58 | 0 6 | 10 24 | 1 58 | 34 36 | 10 46 | 14 13 | 13 52 | 16 50 | | n.a. |
| T 8 | 20 40 | 12 1 | 0 28 | 24 5 | 2 1 | 9 8 | 3 54 | 23 13 | 0 56 | 7 7 | 1 28 | 22 26 | 1 36 | 16 57 | 0 6 | 10 24 | 1 58 | 34 37 | 10 46 | 14 13 | 13 51 | 16 48 | | n.a. |
| F 9 | 20 53 | 17 24 | 0n43 | 24 21 | 2 1 | 9 1 | 4 1 | 23 20 | 0 57 | 7 5 | 1 28 | 22 26 | 1 36 | 16 57 | 0 6 | 10 24 | 1 58 | 34 37 | 10 46 | 14 13 | 13 50 | 16 45 | | n.a. |
| S 10 | 21 5 | 22 4 | 1 54 | 24 35 | 2 0 | 8 55 | 4 7 | 23 28 | 0 57 | 7 4 | 1 28 | 22 27 | 1 36 | 16 56 | 0 6 | 10 23 | 1 58 | 34 37 | 10 47 | 14 13 | 13 49 | 16 42 | | n.a. |
| S 11 | 21 17 | 25 40 | 2 59 | 24 48 | 1 59 | 8 51 | 4 13 | 23 35 | 0 57 | 7 3 | 1 27 | 22 27 | 1 36 | 16 55 | 0 6 | 10 23 | 1 59 | 34 38 | 10 47 | 14 12 | 13 48 | 16 39 | | n.a. |
| M12 | 21 29 | 27 47 | 3 56 | 24 59 | 1 57 | 8 48 | 4 19 | 23 42 | 0 58 | 7 1 | 1 27 | 22 28 | 1 36 | 16 54 | 0 6 | 10 23 | 1 59 | 34 38 | 10 47 | 14 11 | 13 47 | 16 37 | | n.a. |
| T 13 | 21 40 | 28 10 | 4 39 | 25 8 | 1 54 | 8 46 | 4 24 | 23 48 | 0 58 | 7 0 | 1 27 | 22 29 | 1 37 | 16 54 | 0 6 | 10 23 | 1 59 | 34 38 | 10 47 | 14 9 | 13 46 | 16 34 | | n.a. |
| W14 | 21 51 | 26 41 | 5 5 | 25 14 | 1 51 | 8 46 | 4 28 | 23 55 | 0 58 | 6 58 | 1 26 | 22 29 | 1 37 | 16 53 | 0 6 | 10 23 | 1 59 | 34 38 | 10 48 | 14 8 | 13 44 | 16 31 | | n.a. |
| T 15 | 22 1 | 23 29 | 5 12 | 25 19 | 1 47 | 8 46 | 4 32 | 24 1 | 0 59 | 6 57 | 1 26 | 22 30 | 1 37 | 16 52 | 0 6 | 10 23 | 1 59 | 34 39 | 10 48 | 14 7 | 13 43 | 16 29 | | n.a. |
| F 16 | 22 11 | 18 52 | 5 0 | 25 22 | 1 42 | 8 48 | 4 36 | 24 6 | 0 59 | 6 55 | 1 26 | 22 30 | 1 37 | 16 52 | 0 6 | 10 23 | 1 59 | 34 39 | 10 48 | 14 6 | 13 42 | 16 26 | | n.a. |
| S 17 | 22 21 | 13 14 | 4 30 | 25 22 | 1 37 | 8 51 | 4 39 | 24 12 | 0 59 | 6 53 | 1 25 | 22 31 | 1 38 | 16 51 | 0 6 | 10 23 | 1 59 | 34 39 | 10 48 | 14 5 | 13 41 | 16 23 | | n.a. |
| S 18 | 22 30 | 6 58 | 3 44 | 25 20 | 1 30 | 8 55 | 4 42 | 24 17 | 1 0 | 6 51 | 1 25 | 22 32 | 1 38 | 16 50 | 0 6 | 10 23 | 1 59 | 34 39 | 10 48 | 14 5 | 13 40 | 16 20 | | n.a. |
| M19 | 22 38 | 0 24 | 2 44 | 25 16 | 1 23 | 9 0 | 4 45 | 24 22 | 1 0 | 6 49 | 1 24 | 22 33 | 1 38 | 16 50 | 0 6 | 10 23 | 1 59 | 34 40 | 10 49 | 14 6 | 13 39 | 16 17 | | n.a. |
| T 20 | 22 47 | 6s 8 | 1 36 | 25 10 | 1 15 | 9 5 | 4 47 | 24 26 | 1 0 | 6 47 | 1 24 | 22 33 | 1 38 | 16 49 | 0 6 | 10 23 | 1 59 | 34 40 | 10 49 | 14 6 | 13 38 | 16 15 | | n.a. |
| W21 | 22 54 | 12 19 | 0 23 | 25 2 | 1 6 | 9 12 | 4 48 | 24 30 | 1 0 | 6 45 | 1 24 | 22 34 | 1 38 | 16 48 | 0 6 | 10 23 | 1 59 | 34 40 | 10 49 | 14 7 | 13 37 | 16 12 | | n.a. |
| T 22 | 23 2 | 17 51 | 0s50 | 24 52 | 0 57 | 9 20 | 4 50 | 24 34 | 1 1 | 6 43 | 1 23 | 22 35 | 1 39 | 16 48 | 0 6 | 10 23 | 1 59 | 34 40 | 10 49 | 14 7 | 13 36 | 16 9 | | n.a. |
| F 23 | 23 9 | 22 26 | 2 0 | 24 39 | 0 46 | 9 28 | 4 51 | 24 38 | 1 1 | 6 40 | 1 23 | 22 36 | 1 39 | 16 47 | 0 6 | 10 23 | 1 59 | 34 41 | 10 49 | 14 6 | 13 35 | 16 6 | | n.a. |
| S 24 | 23 15 | 25 47 | 3 2 | 24 25 | 0 34 | 9 37 | 4 51 | 24 41 | 1 1 | 6 38 | 1 23 | 22 36 | 1 39 | 16 47 | 0 6 | 10 23 | 1 59 | 34 41 | 10 50 | 14 5 | 13 34 | 16 4 | | n.a. |
| S 25 | 23 21 | 27 44 | 3 53 | 24 10 | 0 22 | 9 47 | 4 52 | 24 45 | 1 2 | 6 36 | 1 22 | 22 37 | 1 39 | 16 46 | 0 6 | 10 23 | 2 0 | 34 41 | 10 50 | 14 2 | 13 33 | 16 1 | | n.a. |
| M26 | 23 26 | 28 11 | 4 32 | 23 53 | 0 8 | 9 58 | 4 52 | 24 47 | 1 2 | 6 33 | 1 22 | 22 38 | 1 39 | 16 45 | 0 6 | 10 23 | 2 0 | 34 41 | 10 50 | 14 0 | 13 32 | 15 58 | | n.a. |
| T 27 | 23 31 | 27 9 | 4 57 | 23 35 | 0n 6 | 10 9 | 4 52 | 24 50 | 1 2 | 6 31 | 1 22 | 22 39 | 1 40 | 16 45 | 0 6 | 10 23 | 2 0 | 34 42 | 10 50 | 13 57 | 13 30 | 15 55 | | n.a. |
| W28 | 23 36 | 24 51 | 5 7 | 23 16 | 0 21 | 10 21 | 4 51 | 24 52 | 1 2 | 6 28 | 1 21 | 22 40 | 1 40 | 16 44 | 0 6 | 10 23 | 2 0 | 34 42 | 10 50 | 13 54 | 13 29 | 15 52 | | n.a. |
| T 29 | 23 40 | 21 27 | 5 4 | 22 56 | 0 37 | 10 33 | 4 51 | 24 54 | 1 3 | 6 25 | 1 21 | 22 41 | 1 40 | 16 44 | 0 6 | 10 23 | 2 0 | 34 42 | 10 50 | 13 52 | 13 28 | 15 50 | | n.a. |
| F 30 | 23 44 | 17 14 | 4 48 | 22 37 | 0 53 | 10 46 | 4 50 | 24 56 | 1 3 | 6 23 | 1 21 | 22 41 | 1 40 | 16 43 | 0 6 | 10 23 | 2 0 | 34 42 | 10 51 | 13 50 | 13 27 | 15 47 | | n.a. |
| S 31 | 23s47 | 12s23 | 4s19 | 22s17 | 1n10 | 10s59 | 4n49 | 24s57 | 1s 3 | 6s20 | 1s21 | 22n42 | 1n40 | 16n42 | 0s 6 | 10n23 | 2n 0 | 34n42 | 10n51 | 13n49 | 13n26 | 15s44 | | n.a. |

Julian Day Number = 991622.5, Delta T = 13h01m47s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'13, Lahiri = -31°30'13 Julian Calendar 1 Dec. 1999 BCE == Greg. Calendar 14 Nov. 1999 BCE

The year -1998 astronomical counting style corresponds to year 1999 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## JANUARY 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 33 2 | 24♐50'01 | 20♓45 | 11♑34 | 12♏ 4 | 28♐12 | 17♓27 | 27°R32 | 15°R26 | 8°R32 | 3°R54 | 6°D 3 | 4♉54 | 0♓54 | n.a. | S 1 |
| M 2 | 5 36 58 | 25°50'33 | 2♈42 | 11°49 | 12°46 | 28°59 | 17°33 | 27♋28 | 15♉24 | 8♍31 | 3♋52 | 6♉ 3 | 4°51 | 1° 0 | n.a. | M 2 |
| T 3 | 5 40 55 | 26°51'04 | 14°49 | 11°R53 | 13°29 | 29°46 | 17°40 | 27°24 | 15°22 | 8°31 | 3°51 | 6° 4 | 4°48 | 1° 7 | n.a. | T 3 |
| W 4 | 5 44 52 | 27°51'32 | 27°11 | 11°48 | 14°13 | 0♑33 | 17°47 | 27°21 | 15°20 | 8°31 | 3°49 | 6° 5 | 4°44 | 1°14 | n.a. | W 4 |
| T 5 | 5 48 48 | 28°51'59 | 9♉54 | 11°32 | 14°58 | 1°20 | 17°54 | 27°17 | 15°19 | 8°31 | 3°48 | 6°R 6 | 4°41 | 1°21 | n.a. | T 5 |
| F 6 | 5 52 45 | 29°52'23 | 23° 0 | 11° 6 | 15°44 | 2° 8 | 18° 1 | 27°13 | 15°17 | 8°30 | 3°46 | 6° 4 | 4°38 | 1°27 | n.a. | F 6 |
| S 7 | 5 56 41 | 0♑52'46 | 6♊32 | 10°31 | 16°30 | 2°55 | 18° 9 | 27° 9 | 15°15 | 8°30 | 3°45 | 6° 0 | 4°35 | 1°34 | n.a. | S 7 |
| S 8 | 6 0 38 | 1°53'06 | 20°28 | 9°47 | 17°18 | 3°42 | 18°16 | 27° 5 | 15°14 | 8°30 | 3°43 | 5°54 | 4°32 | 1°41 | n.a. | S 8 |
| M 9 | 6 4 34 | 2°53'25 | 4♋46 | 8°57 | 18° 6 | 4°29 | 18°24 | 27° 1 | 15°12 | 8°29 | 3°42 | 5°46 | 4°29 | 1°47 | n.a. | M 9 |
| T 10 | 6 8 31 | 3°53'41 | 19°21 | 8° 0 | 18°55 | 5°16 | 18°32 | 26°57 | 15°11 | 8°29 | 3°40 | 5°37 | 4°25 | 1°54 | n.a. | T 10 |
| W11 | 6 12 27 | 4°53'56 | 4♌ 5 | 6°59 | 19°45 | 6° 3 | 18°40 | 26°53 | 15° 9 | 8°28 | 3°39 | 5°27 | 4°22 | 2° 1 | n.a. | W11 |
| T 12 | 6 16 24 | 5°54'09 | 18°49 | 5°56 | 20°36 | 6°50 | 18°48 | 26°49 | 15° 8 | 8°28 | 3°37 | 5°19 | 4°19 | 2° 8 | n.a. | T 12 |
| F 13 | 6 20 21 | 6°54'20 | 3♍27 | 4°51 | 21°28 | 7°37 | 18°56 | 26°45 | 15° 7 | 8°27 | 3°36 | 5°12 | 4°16 | 2°14 | n.a. | F 13 |
| S 14 | 6 24 17 | 7°54'29 | 17°53 | 3°47 | 22°20 | 8°24 | 19° 5 | 26°40 | 15° 5 | 8°27 | 3°34 | 5° 8 | 4°13 | 2°21 | n.a. | S 14 |
| S 15 | 6 28 14 | 8°54'36 | 2♎ 4 | 2°45 | 23°13 | 9°11 | 19°13 | 26°36 | 15° 4 | 8°26 | 3°33 | 5° 7 | 4°10 | 2°28 | n.a. | S 15 |
| M16 | 6 32 10 | 9°54'42 | 15°58 | 1°46 | 24° 6 | 9°58 | 19°22 | 26°32 | 15° 3 | 8°25 | 3°31 | 5°D 7 | 4° 6 | 2°34 | n.a. | M16 |
| T 17 | 6 36 7 | 10°54'46 | 29°36 | 0°51 | 25° 0 | 10°45 | 19°31 | 26°27 | 15° 2 | 8°25 | 3°30 | 5°R 7 | 4° 3 | 2°41 | n.a. | T 17 |
| W18 | 6 40 3 | 11°54'48 | 12♏59 | 0° 2 | 25°55 | 11°32 | 19°39 | 26°23 | 15° 1 | 8°24 | 3°28 | 5° 7 | 4° 0 | 2°48 | n.a. | W18 |
| T 19 | 6 44 0 | 12°54'49 | 26° 9 | 29♐18 | 26°50 | 12°18 | 19°48 | 26°18 | 15° 0 | 8°23 | 3°27 | 5° 5 | 3°57 | 2°54 | n.a. | T 19 |
| F 20 | 6 47 56 | 13°54'47 | 9♐ 7 | 28°41 | 27°46 | 13° 5 | 19°58 | 26°14 | 14°59 | 8°23 | 3°25 | 5° 0 | 3°54 | 3° 1 | n.a. | F 20 |
| S 21 | 6 51 53 | 14°54'44 | 21°53 | 28°11 | 28°42 | 13°52 | 20° 7 | 26° 9 | 14°58 | 8°22 | 3°24 | 4°53 | 3°50 | 3° 8 | n.a. | S 21 |
| S 22 | 6 55 50 | 15°54'39 | 4♑30 | 27°47 | 29°39 | 14°39 | 20°16 | 26° 5 | 14°57 | 8°21 | 3°22 | 4°43 | 3°47 | 3°15 | n.a. | S 22 |
| M23 | 6 59 46 | 16°54'31 | 16°56 | 27°30 | 0♐36 | 15°26 | 20°26 | 26° 0 | 14°56 | 8°20 | 3°21 | 4°30 | 3°44 | 3°21 | n.a. | M23 |
| T 24 | 7 3 43 | 17°54'22 | 29°13 | 27°19 | 1°33 | 16°12 | 20°36 | 25°56 | 14°55 | 8°19 | 3°20 | 4°17 | 3°41 | 3°28 | n.a. | T 24 |
| W25 | 7 7 39 | 18°54'10 | 11♒20 | 27°D15 | 2°32 | 16°59 | 20°45 | 25°51 | 14°54 | 8°18 | 3°18 | 4° 3 | 3°38 | 3°35 | n.a. | W25 |
| T 26 | 7 11 36 | 19°53'56 | 23°19 | 27°18 | 3°30 | 17°46 | 20°55 | 25°46 | 14°54 | 8°17 | 3°17 | 3°51 | 3°35 | 3°41 | n.a. | T 26 |
| F 27 | 7 15 32 | 20°53'39 | 5♓12 | 27°26 | 4°29 | 18°32 | 21° 5 | 25°42 | 14°53 | 8°16 | 3°15 | 3°41 | 3°31 | 3°48 | n.a. | F 27 |
| S 28 | 7 19 29 | 21°53'20 | 17° 2 | 27°40 | 5°28 | 19°19 | 21°15 | 25°37 | 14°52 | 8°15 | 3°14 | 3°33 | 3°28 | 3°55 | n.a. | S 28 |
| S 29 | 7 23 25 | 22°52'59 | 28°51 | 27°59 | 6°28 | 20° 5 | 21°26 | 25°32 | 14°52 | 8°14 | 3°12 | 3°28 | 3°25 | 4° 2 | n.a. | S 29 |
| M30 | 7 27 22 | 23°52'35 | 10♈46 | 28°23 | 7°28 | 20°52 | 21°36 | 25°28 | 14°51 | 8°13 | 3°11 | 3°26 | 3°22 | 4° 8 | n.a. | M30 |
| T 31 | 7 31 18 | 24♑52'09 | 22♈50 | 28♐52 | 8♐28 | 21♑38 | 21♓46 | 25♋23 | 14♉51 | 8♍12 | 3♋10 | 3°D26 | 3♉19 | 4♓15 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 23s49 | 7s 5 | 3s39 | 21s57 | 1n28 | 11s13 | 4n47 | 24s58 | 1s 3 | 6s17 | 1s20 | 22n43 | 1n41 | 16n42 | 0s 6 | 10n23 | 2n 0 | 34n43 | 10n51 | 13n48 | 13n25 | 15s41 | | | n.a. |
| M 2 | 23 52 | 1 30 | 2 50 | 21 39 | 1 45 | 11 27 | 4 46 | 24 59 | 1 3 | 6 14 | 1 20 | 22 44 | 1 41 | 16 41 | 0 6 | 10 23 | 2 0 | 34 43 | 10 51 | 13 48 | 13 24 | 15 38 | | | n.a. |
| T 3 | 23 53 | 4n14 | 1 52 | 21 21 | 2 2 | 11 42 | 4 44 | 24 59 | 1 4 | 6 11 | 1 20 | 22 45 | 1 41 | 16 41 | 0 6 | 10 24 | 2 0 | 34 43 | 10 51 | 13 49 | 13 23 | 15 36 | | | n.a. |
| W 4 | 23 54 | 9 56 | 0 48 | 21 5 | 2 19 | 11 57 | 4 42 | 24 59 | 1 4 | 6 8 | 1 19 | 22 46 | 1 41 | 16 40 | 0 6 | 10 24 | 2 0 | 34 43 | 10 51 | 13 49 | 13 22 | 15 33 | | | n.a. |
| T 5 | 23 55 | 15 24 | 0n20 | 20 50 | 2 36 | 12 12 | 4 40 | 24 59 | 1 4 | 6 5 | 1 19 | 22 47 | 1 41 | 16 40 | 0 6 | 10 24 | 2 0 | 34 43 | 10 51 | 13 49 | 13 21 | 15 30 | | | n.a. |
| F 6 | 23 56 | 20 20 | 1 29 | 20 37 | 2 51 | 12 28 | 4 37 | 24 59 | 1 4 | 6 2 | 1 19 | 22 48 | 1 42 | 16 39 | 0 6 | 10 24 | 2 0 | 34 43 | 10 51 | 13 49 | 13 20 | 15 27 | | | n.a. |
| S 7 | 23 55 | 24 23 | 2 36 | 20 25 | 3 5 | 12 44 | 4 35 | 24 58 | 1 4 | 5 59 | 1 18 | 22 49 | 1 42 | 16 39 | 0 6 | 10 24 | 2 0 | 34 44 | 10 52 | 13 48 | 13 18 | 15 24 | | | n.a. |
| S 8 | 23 55 | 27 8 | 3 34 | 20 15 | 3 18 | 13 0 | 4 32 | 24 57 | 1 4 | 5 55 | 1 18 | 22 50 | 1 42 | 16 39 | 0 6 | 10 24 | 2 1 | 34 44 | 10 52 | 13 46 | 13 17 | 15 21 | | | n.a. |
| M 9 | 23 54 | 28 11 | 4 21 | 20 8 | 3 30 | 13 16 | 4 29 | 24 55 | 1 5 | 5 52 | 1 18 | 22 51 | 1 42 | 16 38 | 0 6 | 10 25 | 2 1 | 34 44 | 10 52 | 13 43 | 13 16 | 15 18 | | | n.a. |
| T 10 | 23 52 | 27 19 | 4 52 | 20 2 | 3 39 | 13 32 | 4 26 | 24 54 | 1 5 | 5 49 | 1 17 | 22 52 | 1 42 | 16 38 | 0 6 | 10 25 | 2 1 | 34 44 | 10 52 | 13 40 | 13 15 | 15 16 | | | n.a. |
| W11 | 23 50 | 24 32 | 5 4 | 19 58 | 3 47 | 13 49 | 4 23 | 24 52 | 1 5 | 5 45 | 1 17 | 22 53 | 1 42 | 16 37 | 0 6 | 10 25 | 2 1 | 34 44 | 10 52 | 13 36 | 13 14 | 15 13 | | | n.a. |
| T 12 | 23 47 | 20 9 | 4 56 | 19 56 | 3 52 | 14 5 | 4 20 | 24 50 | 1 5 | 5 42 | 1 17 | 22 54 | 1 43 | 16 37 | 0 6 | 10 25 | 2 1 | 34 44 | 10 52 | 13 34 | 13 13 | 15 10 | | | n.a. |
| F 13 | 23 44 | 14 36 | 4 28 | 19 55 | 3 55 | 14 22 | 4 17 | 24 47 | 1 5 | 5 38 | 1 17 | 22 55 | 1 43 | 16 36 | 0 6 | 10 26 | 2 1 | 34 44 | 10 52 | 13 31 | 13 12 | 15 7 | | | n.a. |
| S 14 | 23 41 | 8 18 | 3 44 | 19 57 | 3 56 | 14 39 | 4 13 | 24 44 | 1 5 | 5 34 | 1 16 | 22 56 | 1 43 | 16 36 | 0 6 | 10 26 | 2 1 | 34 44 | 10 52 | 13 30 | 13 11 | 15 4 | | | n.a. |
| S 15 | 23 37 | 1 42 | 2 46 | 19 59 | 3 54 | 14 56 | 4 9 | 24 41 | 1 5 | 5 31 | 1 16 | 22 57 | 1 43 | 16 36 | 0 6 | 10 26 | 2 1 | 34 44 | 10 52 | 13 29 | 13 10 | 15 1 | | | n.a. |
| M16 | 23 33 | 4s52 | 1 40 | 20 4 | 3 51 | 15 13 | 4 6 | 24 38 | 1 6 | 5 27 | 1 16 | 22 58 | 1 43 | 16 35 | 0 6 | 10 27 | 2 1 | 34 45 | 10 52 | 13 29 | 13 9 | 14 58 | | | n.a. |
| T 17 | 23 28 | 11 6 | 0 29 | 20 9 | 3 46 | 15 30 | 4 2 | 24 34 | 1 6 | 5 23 | 1 15 | 22 59 | 1 43 | 16 35 | 0 6 | 10 27 | 2 1 | 34 45 | 10 52 | 13 29 | 13 8 | 14 55 | | | n.a. |
| W18 | 23 23 | 16 43 | 0s42 | 20 16 | 3 39 | 15 46 | 3 58 | 24 30 | 1 6 | 5 19 | 1 15 | 23 0 | 1 43 | 16 35 | 0 6 | 10 27 | 2 1 | 34 45 | 10 52 | 13 29 | 13 6 | 14 53 | | | n.a. |
| T 19 | 23 17 | 21 27 | 1 49 | 20 25 | 3 31 | 16 3 | 3 54 | 24 26 | 1 6 | 5 16 | 1 15 | 23 1 | 1 44 | 16 34 | 0 6 | 10 28 | 2 1 | 34 45 | 10 52 | 13 29 | 13 5 | 14 50 | | | n.a. |
| F 20 | 23 11 | 25 4 | 2 50 | 20 34 | 3 21 | 16 20 | 3 50 | 24 22 | 1 6 | 5 12 | 1 15 | 23 2 | 1 44 | 16 34 | 0 6 | 10 28 | 2 1 | 34 45 | 10 52 | 13 27 | 13 4 | 14 47 | | | n.a. |
| S 21 | 23 4 | 27 21 | 3 41 | 20 44 | 3 11 | 16 36 | 3 46 | 24 17 | 1 6 | 5 8 | 1 14 | 23 3 | 1 44 | 16 34 | 0 6 | 10 28 | 2 1 | 34 45 | 10 52 | 13 25 | 13 3 | 14 44 | | | n.a. |
| S 22 | 22 57 | 28 11 | 4 20 | 20 55 | 3 0 | 16 53 | 3 42 | 24 12 | 1 6 | 5 4 | 1 14 | 23 4 | 1 44 | 16 34 | 0 6 | 10 29 | 2 1 | 34 45 | 10 52 | 13 21 | 13 2 | 14 41 | | | n.a. |
| M23 | 22 50 | 27 34 | 4 47 | 21 6 | 2 48 | 17 9 | 3 37 | 24 6 | 1 6 | 5 0 | 1 14 | 23 5 | 1 44 | 16 33 | 0 6 | 10 29 | 2 2 | 34 45 | 10 52 | 13 17 | 13 1 | 14 38 | | | n.a. |
| T 24 | 22 42 | 25 36 | 4 59 | 21 18 | 2 36 | 17 25 | 3 33 | 24 1 | 1 6 | 4 55 | 1 14 | 23 6 | 1 44 | 16 33 | 0 6 | 10 29 | 2 2 | 34 45 | 10 52 | 13 12 | 13 0 | 14 35 | | | n.a. |
| W25 | 22 34 | 22 29 | 4 58 | 21 31 | 2 23 | 17 41 | 3 29 | 23 55 | 1 6 | 4 51 | 1 13 | 23 7 | 1 44 | 16 33 | 0 6 | 10 30 | 2 2 | 34 45 | 10 52 | 13 8 | 12 59 | 14 32 | | | n.a. |
| T 26 | 22 25 | 18 28 | 4 44 | 21 44 | 2 10 | 17 57 | 3 24 | 23 49 | 1 6 | 4 47 | 1 13 | 23 8 | 1 44 | 16 33 | 0 6 | 10 30 | 2 2 | 34 45 | 10 52 | 13 3 | 12 58 | 14 29 | | | n.a. |
| F 27 | 22 16 | 13 46 | 4 17 | 21 57 | 1 57 | 18 12 | 3 19 | 23 42 | 1 6 | 4 43 | 1 13 | 23 9 | 1 44 | 16 33 | 0 6 | 10 31 | 2 2 | 34 45 | 10 52 | 13 0 | 12 57 | 14 26 | | | n.a. |
| S 28 | 22 6 | 8 34 | 3 39 | 22 10 | 1 44 | 18 27 | 3 15 | 23 36 | 1 6 | 4 39 | 1 13 | 23 10 | 1 45 | 16 32 | 0 5 | 10 31 | 2 2 | 34 45 | 10 52 | 12 57 | 12 55 | 14 23 | | | n.a. |
| S 29 | 21 56 | 3 5 | 2 52 | 22 23 | 1 31 | 18 42 | 3 10 | 23 29 | 1 6 | 4 34 | 1 12 | 23 11 | 1 45 | 16 32 | 0 5 | 10 31 | 2 2 | 34 45 | 10 52 | 12 56 | 12 54 | 14 21 | | | n.a. |
| M30 | 21 46 | 2n33 | 1 57 | 22 37 | 1 18 | 18 57 | 3 6 | 23 22 | 1 6 | 4 30 | 1 12 | 23 12 | 1 45 | 16 32 | 0 5 | 10 32 | 2 2 | 34 45 | 10 52 | 12 55 | 12 53 | 14 18 | | | n.a. |
| T 31 | 21s35 | 8n12 | 0s56 | 22s49 | 1n 6 | 19s11 | 3n 1 | 23s14 | 1s 6 | 4s25 | 1s12 | 23n13 | 1n45 | 16n32 | 0s 5 | 10n32 | 2n 2 | 34n45 | 10n52 | 12n55 | 12n52 | 14s15 | | | n.a. |

Julian Day Number = 991653.5, Delta T = 13h01m45s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'09, Lahiri = -31°30'08 Julian Calendar 1 Jan. 1998 BCE == Greg. Calendar 15 Dec. 1999 BCE

The year -1997 astronomical counting style corresponds to year 1998 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## FEBRUARY 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 35 15 | 25♑51'41 | 5♉ 9 | 29♐26 | 9♐29 | 22♑25 | 21♓57 | 25°R18 | 14°R51 | 8°R11 | 3°R 8 | 3°R26 | 3♉16 | 4♓22 | n.a. | W 1 |
| T 2 | 7 39 12 | 26°51'10 | 17°48 | 0♑ 3 | 10°30 | 23°11 | 22° 7 | 25♋13 | 14♉50 | 8♍10 | 3♋ 7 | 3♉25 | 3°12 | 4°28 | n.a. | T 2 |
| F 3 | 7 43 8 | 27°50'36 | 0♊52 | 0°45 | 11°31 | 23°57 | 22°18 | 25° 9 | 14°50 | 8° 9 | 3° 6 | 3°23 | 3° 9 | 4°35 | n.a. | F 3 |
| S 4 | 7 47 5 | 28°50'00 | 14°25 | 1°30 | 12°33 | 24°44 | 22°29 | 25° 4 | 14°50 | 8° 8 | 3° 4 | 3°18 | 3° 6 | 4°42 | n.a. | S 4 |
| S 5 | 7 51 1 | 29°49'22 | 28°27 | 2°19 | 13°35 | 25°30 | 22°40 | 24°59 | 14°50 | 8° 7 | 3° 3 | 3°11 | 3° 3 | 4°48 | n.a. | S 5 |
| M 6 | 7 54 58 | 0♒48'41 | 12♋56 | 3°11 | 14°37 | 26°16 | 22°51 | 24°55 | 14°50 | 8° 6 | 3° 2 | 3° 1 | 3° 0 | 4°55 | n.a. | M 6 |
| T 7 | 7 58 54 | 1°47'58 | 27°48 | 4° 6 | 15°40 | 27° 3 | 23° 2 | 24°50 | 14°49 | 8° 4 | 3° 0 | 2°50 | 2°56 | 5° 2 | n.a. | T 7 |
| W 8 | 8 2 51 | 2°47'13 | 12♌53 | 5° 4 | 16°43 | 27°49 | 23°13 | 24°45 | 14°D49 | 8° 3 | 2°59 | 2°39 | 2°53 | 5° 9 | n.a. | W 8 |
| T 9 | 8 6 47 | 3°46'26 | 28° 1 | 6° 5 | 17°46 | 28°35 | 23°24 | 24°41 | 14°50 | 8° 2 | 2°58 | 2°28 | 2°50 | 5°15 | n.a. | T 9 |
| F 10 | 8 10 44 | 4°45'36 | 13♍ 2 | 7° 8 | 18°49 | 29°21 | 23°36 | 24°36 | 14°50 | 8° 1 | 2°57 | 2°20 | 2°47 | 5°22 | n.a. | F 10 |
| S 11 | 8 14 41 | 5°44'44 | 27°48 | 8°14 | 19°52 | 0♒ 7 | 23°47 | 24°32 | 14°50 | 7°59 | 2°55 | 2°14 | 2°44 | 5°29 | n.a. | S 11 |
| S 12 | 8 18 37 | 6°43'51 | 12♎13 | 9°22 | 20°56 | 0°53 | 23°59 | 24°27 | 14°50 | 7°58 | 2°54 | 2°11 | 2°41 | 5°35 | n.a. | S 12 |
| M13 | 8 22 34 | 7°42'55 | 26°15 | 10°32 | 22° 0 | 1°39 | 24°10 | 24°23 | 14°50 | 7°57 | 2°53 | 2°11 | 2°37 | 5°42 | n.a. | M13 |
| T 14 | 8 26 30 | 8°41'58 | 9♏54 | 11°45 | 23° 4 | 2°25 | 24°22 | 24°18 | 14°51 | 7°55 | 2°52 | 2°11 | 2°34 | 5°49 | n.a. | T 14 |
| W15 | 8 30 27 | 9°40'58 | 23°12 | 13° 0 | 24° 9 | 3°11 | 24°34 | 24°14 | 14°51 | 7°54 | 2°51 | 2°10 | 2°31 | 5°56 | n.a. | W15 |
| T 16 | 8 34 23 | 10°39'57 | 6♐11 | 14°16 | 25°14 | 3°57 | 24°46 | 24° 9 | 14°51 | 7°52 | 2°50 | 2° 8 | 2°28 | 6° 2 | n.a. | T 16 |
| F 17 | 8 38 20 | 11°38'54 | 18°55 | 15°35 | 26°18 | 4°42 | 24°58 | 24° 5 | 14°52 | 7°51 | 2°48 | 2° 3 | 2°25 | 6° 9 | n.a. | F 17 |
| S 18 | 8 42 16 | 12°37'49 | 1♑26 | 16°55 | 27°23 | 5°28 | 25°10 | 24° 1 | 14°52 | 7°50 | 2°47 | 1°56 | 2°22 | 6°16 | n.a. | S 18 |
| S 19 | 8 46 13 | 13°36'42 | 13°47 | 18°17 | 28°29 | 6°14 | 25°22 | 23°56 | 14°53 | 7°48 | 2°46 | 1°46 | 2°18 | 6°22 | n.a. | S 19 |
| M20 | 8 50 9 | 14°35'33 | 26° 0 | 19°41 | 29°34 | 7° 0 | 25°34 | 23°52 | 14°54 | 7°47 | 2°45 | 1°33 | 2°15 | 6°29 | n.a. | M20 |
| T 21 | 8 54 6 | 15°34'22 | 8♒ 5 | 21° 7 | 0♑40 | 7°45 | 25°46 | 23°48 | 14°54 | 7°45 | 2°44 | 1°20 | 2°12 | 6°36 | n.a. | T 21 |
| W22 | 8 58 3 | 16°33'09 | 20° 3 | 22°35 | 1°45 | 8°31 | 25°58 | 23°44 | 14°55 | 7°44 | 2°43 | 1° 6 | 2° 9 | 6°42 | n.a. | W22 |
| T 23 | 9 1 59 | 17°31'53 | 1♓57 | 24° 4 | 2°51 | 9°16 | 26°11 | 23°40 | 14°56 | 7°42 | 2°42 | 0°53 | 2° 6 | 6°49 | n.a. | T 23 |
| F 24 | 9 5 56 | 18°30'35 | 13°48 | 25°34 | 3°57 | 10° 2 | 26°23 | 23°36 | 14°57 | 7°41 | 2°41 | 0°43 | 2° 2 | 6°56 | n.a. | F 24 |
| S 25 | 9 9 52 | 19°29'15 | 25°36 | 27° 7 | 5° 4 | 10°47 | 26°36 | 23°32 | 14°57 | 7°39 | 2°40 | 0°35 | 1°59 | 7° 3 | n.a. | S 25 |
| S 26 | 9 13 49 | 20°27'53 | 7♈27 | 28°41 | 6°10 | 11°33 | 26°48 | 23°28 | 14°58 | 7°38 | 2°39 | 0°30 | 1°56 | 7° 9 | n.a. | S 26 |
| M27 | 9 17 45 | 21°26'28 | 19°21 | 0♒16 | 7°16 | 12°18 | 27° 1 | 23°24 | 14°59 | 7°36 | 2°38 | 0°28 | 1°53 | 7°16 | n.a. | M27 |
| T 28 | 9 21 42 | 22♒25'01 | 1♉25 | 1♒53 | 8♑23 | 13♒ 3 | 27♓13 | 23♋20 | 15♉ 0 | 7♍35 | 2♋38 | 0°D27 | 1♉50 | 7♓23 | n.a. | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 21s24 | 13n39 | 0n 9 | 23s 2 | 0n53 | 19s25 | 2n56 | 23s 7 | 1s 6 | 4s21 | 1s12 | 23n14 | 1n45 | 16n32 | 0s 5 | 10n33 | 2n 2 | 34n45 | 10n52 | 12n55 | 12n51 | 14s12 | | n.a. | |
| T 2 | 21 13 | 18 41 | 1 15 | 23 14 | 0 41 | 19 39 | 2 51 | 22 59 | 1 6 | 4 17 | 1 11 | 23 15 | 1 45 | 16 32 | 0 5 | 10 33 | 2 2 | 34 45 | 10 52 | 12 54 | 12 50 | 14 9 | | n.a. | |
| F 3 | 21 1 | 23 1 | 2 20 | 23 26 | 0 30 | 19 52 | 2 47 | 22 51 | 1 6 | 4 12 | 1 11 | 23 16 | 1 45 | 16 32 | 0 5 | 10 34 | 2 2 | 34 45 | 10 52 | 12 54 | 12 49 | 14 6 | | n.a. | |
| S 4 | 20 49 | 26 17 | 3 18 | 23 37 | 0 18 | 20 5 | 2 42 | 22 42 | 1 6 | 4 7 | 1 11 | 23 16 | 1 45 | 16 32 | 0 5 | 10 34 | 2 2 | 34 45 | 10 52 | 12 52 | 12 48 | 14 3 | | n.a. | |
| S 5 | 20 36 | 28 2 | 4 7 | 23 47 | 0 7 | 20 18 | 2 37 | 22 33 | 1 6 | 4 3 | 1 11 | 23 17 | 1 45 | 16 32 | 0 5 | 10 35 | 2 2 | 34 45 | 10 52 | 12 49 | 12 47 | 14 0 | | n.a. | |
| M 6 | 20 23 | 27 58 | 4 42 | 23 57 | 0s 4 | 20 30 | 2 32 | 22 25 | 1 6 | 3 58 | 1 10 | 23 18 | 1 45 | 16 32 | 0 5 | 10 35 | 2 2 | 34 45 | 10 52 | 12 46 | 12 46 | 13 57 | | n.a. | |
| T 7 | 20 10 | 25 54 | 4 59 | 24 6 | 0 14 | 20 42 | 2 27 | 22 15 | 1 6 | 3 53 | 1 10 | 23 19 | 1 45 | 16 32 | 0 5 | 10 36 | 2 2 | 34 45 | 10 52 | 12 42 | 12 44 | 13 54 | | n.a. | |
| W 8 | 19 56 | 22 0 | 4 55 | 24 14 | 0 24 | 20 53 | 2 22 | 22 6 | 1 6 | 3 49 | 1 10 | 23 20 | 1 45 | 16 32 | 0 5 | 10 36 | 2 2 | 34 45 | 10 52 | 12 38 | 12 43 | 13 51 | | n.a. | |
| T 9 | 19 42 | 16 38 | 4 31 | 24 21 | 0 34 | 21 4 | 2 17 | 21 56 | 1 6 | 3 44 | 1 10 | 23 21 | 1 45 | 16 32 | 0 5 | 10 37 | 2 2 | 34 45 | 10 52 | 12 35 | 12 42 | 13 48 | | n.a. | |
| F 10 | 19 28 | 10 18 | 3 48 | 24 27 | 0 43 | 21 15 | 2 12 | 21 47 | 1 6 | 3 39 | 1 10 | 23 22 | 1 45 | 16 32 | 0 5 | 10 37 | 2 3 | 34 45 | 10 51 | 12 32 | 12 41 | 13 45 | | n.a. | |
| S 11 | 19 13 | 3 29 | 2 51 | 24 32 | 0 52 | 21 25 | 2 7 | 21 37 | 1 6 | 3 34 | 1 9 | 23 23 | 1 46 | 16 32 | 0 5 | 10 38 | 2 3 | 34 45 | 10 51 | 12 30 | 12 40 | 13 42 | | n.a. | |
| S 12 | 18 58 | 3s21 | 1 43 | 24 36 | 1 0 | 21 34 | 2 2 | 21 26 | 1 6 | 3 30 | 1 9 | 23 24 | 1 46 | 16 32 | 0 5 | 10 38 | 2 3 | 34 45 | 10 51 | 12 29 | 12 39 | 13 39 | | n.a. | |
| M13 | 18 43 | 9 51 | 0 31 | 24 38 | 1 8 | 21 43 | 1 58 | 21 16 | 1 6 | 3 25 | 1 9 | 23 25 | 1 46 | 16 32 | 0 5 | 10 39 | 2 3 | 34 45 | 10 51 | 12 28 | 12 38 | 13 36 | | n.a. | |
| T 14 | 18 27 | 15 43 | 0s41 | 24 39 | 1 16 | 21 52 | 1 53 | 21 5 | 1 6 | 3 20 | 1 9 | 23 25 | 1 46 | 16 32 | 0 5 | 10 40 | 2 3 | 34 45 | 10 51 | 12 28 | 12 37 | 13 33 | | n.a. | |
| W15 | 18 11 | 20 42 | 1 49 | 24 39 | 1 23 | 22 0 | 1 48 | 20 54 | 1 6 | 3 15 | 1 9 | 23 26 | 1 46 | 16 32 | 0 5 | 10 40 | 2 3 | 34 44 | 10 51 | 12 28 | 12 36 | 13 30 | | n.a. | |
| T 16 | 17 55 | 24 33 | 2 49 | 24 38 | 1 30 | 22 8 | 1 43 | 20 43 | 1 6 | 3 10 | 1 8 | 23 27 | 1 46 | 16 32 | 0 5 | 10 41 | 2 3 | 34 44 | 10 51 | 12 27 | 12 34 | 13 27 | | n.a. | |
| F 17 | 17 38 | 27 6 | 3 40 | 24 35 | 1 36 | 22 15 | 1 38 | 20 32 | 1 5 | 3 5 | 1 8 | 23 28 | 1 46 | 16 32 | 0 5 | 10 41 | 2 3 | 34 44 | 10 51 | 12 26 | 12 33 | 13 24 | | n.a. | |
| S 18 | 17 22 | 28 14 | 4 19 | 24 31 | 1 42 | 22 21 | 1 33 | 20 20 | 1 5 | 3 0 | 1 8 | 23 29 | 1 46 | 16 33 | 0 5 | 10 42 | 2 3 | 34 44 | 10 51 | 12 23 | 12 32 | 13 21 | | n.a. | |
| S 19 | 17 5 | 27 56 | 4 46 | 24 25 | 1 48 | 22 27 | 1 28 | 20 9 | 1 5 | 2 55 | 1 8 | 23 29 | 1 46 | 16 33 | 0 5 | 10 42 | 2 3 | 34 44 | 10 50 | 12 20 | 12 31 | 13 18 | | n.a. | |
| M20 | 16 47 | 26 16 | 4 59 | 24 18 | 1 53 | 22 32 | 1 23 | 19 57 | 1 5 | 2 50 | 1 8 | 23 30 | 1 46 | 16 33 | 0 5 | 10 43 | 2 3 | 34 44 | 10 50 | 12 15 | 12 30 | 13 15 | | n.a. | |
| T 21 | 16 30 | 23 24 | 4 58 | 24 9 | 1 57 | 22 37 | 1 19 | 19 45 | 1 5 | 2 45 | 1 7 | 23 31 | 1 46 | 16 33 | 0 5 | 10 44 | 2 3 | 34 44 | 10 50 | 12 10 | 12 29 | 13 12 | | n.a. | |
| W22 | 16 12 | 19 34 | 4 44 | 23 59 | 2 1 | 22 41 | 1 14 | 19 33 | 1 5 | 2 39 | 1 7 | 23 32 | 1 46 | 16 34 | 0 5 | 10 44 | 2 3 | 34 44 | 10 50 | 12 6 | 12 28 | 13 9 | | n.a. | |
| T 23 | 15 54 | 14 59 | 4 18 | 23 47 | 2 5 | 22 45 | 1 9 | 19 20 | 1 5 | 2 34 | 1 7 | 23 33 | 1 46 | 16 34 | 0 5 | 10 45 | 2 3 | 34 44 | 10 50 | 12 1 | 12 27 | 13 6 | | n.a. | |
| F 24 | 15 35 | 9 53 | 3 41 | 23 33 | 2 8 | 22 48 | 1 4 | 19 8 | 1 5 | 2 29 | 1 7 | 23 33 | 1 46 | 16 34 | 0 5 | 10 45 | 2 3 | 34 43 | 10 50 | 11 57 | 12 25 | 13 3 | | n.a. | |
| S 25 | 15 16 | 4 26 | 2 54 | 23 17 | 2 10 | 22 50 | 1 0 | 18 55 | 1 4 | 2 24 | 1 7 | 23 34 | 1 46 | 16 34 | 0 5 | 10 46 | 2 3 | 34 43 | 10 50 | 11 55 | 12 24 | 13 0 | | n.a. | |
| S 26 | 14 58 | 1n12 | 1 59 | 23 0 | 2 12 | 22 52 | 0 55 | 18 42 | 1 4 | 2 19 | 1 7 | 23 35 | 1 46 | 16 35 | 0 5 | 10 47 | 2 3 | 34 43 | 10 49 | 11 53 | 12 23 | 12 57 | | n.a. | |
| M27 | 14 39 | 6 49 | 0 59 | 22 41 | 2 14 | 22 53 | 0 50 | 18 29 | 1 4 | 2 13 | 1 6 | 23 35 | 1 46 | 16 35 | 0 5 | 10 47 | 2 3 | 34 43 | 10 49 | 11 52 | 12 22 | 12 54 | | n.a. | |
| T 28 | 14s19 | 12n17 | 0n 5 | 22s20 | 2s15 | 22s54 | 0n46 | 18s15 | 1s 4 | 2s 8 | 1s 6 | 23n36 | 1n46 | 16n35 | 0s 5 | 10n48 | 2n 3 | 34n43 | 10n49 | 11n52 | 12n21 | 12s51 | | n.a. | |

Julian Day Number = 991684.5, Delta T = 13h01m43s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'05, Lahiri = -31°30'04 Julian Calendar 1 Feb. 1998 BCE == Greg. Calendar 15 Jan. 1998 BCE


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## MARCH 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 25 38 | 23♒23'32 | 13♉43 | 3♒32 | 9♑30 | 13♒49 | 27♓26 | 23°R16 | 15♉ 2 | 7°R33 | 2°R37 | 0♉27 | 1♉47 | 7♓29 | n.a. | W 1 |
| T 2 | 9 29 35 | 24°22'01 | 26°19 | 5°13 | 10°37 | 14°34 | 27°39 | 23♋13 | 15° 3 | 7♏31 | 2♋36 | 0°R28 | 1°43 | 7°36 | n.a. | T 2 |
| F 3 | 9 33 31 | 25°20'27 | 9♊18 | 6°55 | 11°44 | 15°19 | 27°52 | 23° 9 | 15° 4 | 7°30 | 2°35 | 0°27 | 1°40 | 7°43 | n.a. | F 3 |
| S 4 | 9 37 28 | 26°18'51 | 22°45 | 8°38 | 12°51 | 16° 4 | 28° 5 | 23° 5 | 15° 5 | 7°28 | 2°34 | 0°24 | 1°37 | 7°49 | n.a. | S 4 |
| S 5 | 9 41 25 | 27°17'12 | 6♋42 | 10°23 | 13°58 | 16°49 | 28°17 | 23° 2 | 15° 7 | 7°27 | 2°34 | 0°19 | 1°34 | 7°56 | n.a. | S 5 |
| M 6 | 9 45 21 | 28°15'32 | 21° 8 | 12°10 | 15° 5 | 17°34 | 28°30 | 22°59 | 15° 8 | 7°25 | 2°33 | 0°12 | 1°31 | 8° 3 | n.a. | M 6 |
| T 7 | 9 49 18 | 29°13'49 | 6♌ 0 | 13°59 | 16°13 | 18°19 | 28°43 | 22°55 | 15° 9 | 7°23 | 2°32 | 0° 3 | 1°28 | 8° 9 | n.a. | T 7 |
| W 8 | 9 53 14 | 0♓12'04 | 21°10 | 15°49 | 17°20 | 19° 4 | 28°57 | 22°52 | 15°11 | 7°22 | 2°31 | 29♈54 | 1°24 | 8°16 | n.a. | W 8 |
| T 9 | 9 57 11 | 1°10'17 | 6♍28 | 17°40 | 18°28 | 19°49 | 29°10 | 22°49 | 15°12 | 7°20 | 2°31 | 29°46 | 1°21 | 8°23 | n.a. | T 9 |
| F 10 | 10 1 7 | 2° 8'28 | 21°43 | 19°34 | 19°36 | 20°34 | 29°23 | 22°46 | 15°14 | 7°19 | 2°30 | 29°39 | 1°18 | 8°30 | n.a. | F 10 |
| S 11 | 10 5 4 | 3° 6'37 | 6♎44 | 21°29 | 20°44 | 21°18 | 29°36 | 22°43 | 15°15 | 7°17 | 2°30 | 29°35 | 1°15 | 8°36 | n.a. | S 11 |
| S 12 | 10 9 0 | 4° 4'45 | 21°25 | 23°25 | 21°52 | 22° 3 | 29°49 | 22°40 | 15°17 | 7°15 | 2°29 | 29°33 | 1°12 | 8°43 | n.a. | S 12 |
| M13 | 10 12 57 | 5° 2'50 | 5♏40 | 25°24 | 23° 0 | 22°48 | 0♈ 2 | 22°37 | 15°19 | 7°14 | 2°28 | 29°D33 | 1° 8 | 8°50 | n.a. | M13 |
| T 14 | 10 16 53 | 6° 0'55 | 19°28 | 27°23 | 24° 8 | 23°32 | 0°16 | 22°34 | 15°20 | 7°12 | 2°28 | 29°33 | 1° 5 | 8°56 | n.a. | T 14 |
| W15 | 10 20 50 | 6°58'57 | 2♐50 | 29°25 | 25°17 | 24°17 | 0°29 | 22°31 | 15°22 | 7°10 | 2°27 | 29°R34 | 1° 2 | 9° 3 | n.a. | W15 |
| T 16 | 10 24 47 | 7°56'59 | 15°50 | 1♓28 | 26°25 | 25° 1 | 0°43 | 22°29 | 15°24 | 7° 9 | 2°27 | 29°34 | 0°59 | 9°10 | n.a. | T 16 |
| F 17 | 10 28 43 | 8°54'58 | 28°30 | 3°32 | 27°34 | 25°46 | 0°56 | 22°26 | 15°26 | 7° 7 | 2°27 | 29°32 | 0°56 | 9°16 | n.a. | F 17 |
| S 18 | 10 32 40 | 9°52'57 | 10♑54 | 5°37 | 28°42 | 26°30 | 1° 9 | 22°24 | 15°28 | 7° 6 | 2°26 | 29°28 | 0°53 | 9°23 | n.a. | S 18 |
| S 19 | 10 36 36 | 10°50'53 | 23° 6 | 7°44 | 29°51 | 27°15 | 1°23 | 22°22 | 15°30 | 7° 4 | 2°26 | 29°22 | 0°49 | 9°30 | n.a. | S 19 |
| M20 | 10 40 33 | 11°48'49 | 5♒10 | 9°52 | 1♒ 0 | 27°59 | 1°36 | 22°19 | 15°32 | 7° 2 | 2°25 | 29°14 | 0°46 | 9°37 | n.a. | M20 |
| T 21 | 10 44 29 | 12°46'42 | 17° 6 | 12° 0 | 2° 9 | 28°43 | 1°50 | 22°17 | 15°34 | 7° 1 | 2°25 | 29° 5 | 0°43 | 9°43 | n.a. | T 21 |
| W22 | 10 48 26 | 13°44'34 | 28°59 | 14° 9 | 3°17 | 29°27 | 2° 4 | 22°15 | 15°36 | 6°59 | 2°25 | 28°57 | 0°40 | 9°50 | n.a. | W22 |
| T 23 | 10 52 22 | 14°42'24 | 10♓49 | 16°19 | 4°26 | 0♓12 | 2°17 | 22°13 | 15°38 | 6°57 | 2°24 | 28°49 | 0°37 | 9°57 | n.a. | T 23 |
| F 24 | 10 56 19 | 15°40'13 | 22°39 | 18°29 | 5°36 | 0°56 | 2°31 | 22°11 | 15°40 | 6°56 | 2°24 | 28°42 | 0°33 | 10° 3 | n.a. | F 24 |
| S 25 | 11 0 15 | 16°38'00 | 4♈30 | 20°39 | 6°45 | 1°40 | 2°44 | 22° 9 | 15°42 | 6°54 | 2°24 | 28°37 | 0°30 | 10°10 | n.a. | S 25 |
| S 26 | 11 4 12 | 17°35'45 | 16°24 | 22°48 | 7°54 | 2°24 | 2°58 | 22° 8 | 15°45 | 6°53 | 2°24 | 28°35 | 0°27 | 10°17 | n.a. | S 26 |
| M27 | 11 8 9 | 18°33'29 | 28°25 | 24°57 | 9° 3 | 3° 8 | 3°12 | 22° 6 | 15°47 | 6°51 | 2°24 | 28°D34 | 0°24 | 10°23 | n.a. | M27 |
| T 28 | 11 12 5 | 19°31'10 | 10♉34 | 27° 5 | 10°13 | 3°52 | 3°26 | 22° 5 | 15°49 | 6°49 | 2°24 | 28°34 | 0°21 | 10°30 | n.a. | T 28 |
| W29 | 11 16 2 | 20°28'51 | 22°56 | 29°12 | 11°22 | 4°35 | 3°39 | 22° 3 | 15°52 | 6°48 | 2°23 | 28°36 | 0°18 | 10°37 | n.a. | W29 |
| T 30 | 11 19 58 | 21°26'29 | 5♊34 | 1♈17 | 12°32 | 5°19 | 3°53 | 22° 2 | 15°54 | 6°46 | 2°23 | 28°37 | 0°14 | 10°43 | n.a. | T 30 |
| F 31 | 11 23 55 | 22♓24'06 | 18♊33 | 3♈21 | 13♒41 | 6♓ 3 | 4♈ 7 | 22♋ 1 | 15♉57 | 6♏45 | 2♋23 | 28°R38 | 0♉11 | 10♓50 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 14s 0 | 17n23 | 1n10 | 21s57 | 2s16 | 22s54 | 0n41 | 18s 2 | 1s 4 | 2s 3 | 1s 6 | 23n37 | 1n46 | 16n36 | 0s 5 | 10n48 | 2n 3 | 34n43 | 10n49 | 11n52 | 12n20 | 12s48 | | | n.a. |
| T 2 | 13 40 | 21 53 | 2 13 | 21 33 | 2 16 | 22 53 | 0 37 | 17 48 | 1 3 | 1 57 | 1 6 | 23 37 | 1 46 | 16 36 | 0 5 | 10 49 | 2 3 | 34 43 | 10 49 | 11 52 | 12 19 | 12 45 | | | n.a. |
| F 3 | 13 20 | 25 27 | 3 11 | 21 6 | 2 16 | 22 52 | 0 32 | 17 35 | 1 3 | 1 52 | 1 6 | 23 38 | 1 46 | 16 36 | 0 5 | 10 50 | 2 3 | 34 42 | 10 49 | 11 52 | 12 18 | 12 42 | | | n.a. |
| S 4 | 13 0 | 27 44 | 4 1 | 20 38 | 2 15 | 22 50 | 0 28 | 17 21 | 1 3 | 1 47 | 1 5 | 23 38 | 1 46 | 16 37 | 0 5 | 10 50 | 2 3 | 34 42 | 10 48 | 11 51 | 12 17 | 12 39 | | | n.a. |
| S 5 | 12 40 | 28 24 | 4 39 | 20 7 | 2 13 | 22 47 | 0 24 | 17 7 | 1 3 | 1 41 | 1 5 | 23 39 | 1 46 | 16 37 | 0 5 | 10 51 | 2 3 | 34 42 | 10 48 | 11 49 | 12 15 | 12 36 | | | n.a. |
| M 6 | 12 19 | 27 10 | 5 0 | 19 35 | 2 11 | 22 44 | 0 19 | 16 52 | 1 3 | 1 36 | 1 5 | 23 40 | 1 46 | 16 38 | 0 5 | 10 52 | 2 3 | 34 42 | 10 48 | 11 46 | 12 14 | 12 33 | | | n.a. |
| T 7 | 11 58 | 24 1 | 5 2 | 19 1 | 2 9 | 22 40 | 0 15 | 16 38 | 1 2 | 1 30 | 1 5 | 23 40 | 1 46 | 16 38 | 0 5 | 10 52 | 2 3 | 34 42 | 10 48 | 11 43 | 12 13 | 12 30 | | | n.a. |
| W 8 | 11 38 | 19 12 | 4 44 | 18 25 | 2 5 | 22 36 | 0 11 | 16 24 | 1 2 | 1 25 | 1 5 | 23 41 | 1 46 | 16 38 | 0 5 | 10 53 | 2 3 | 34 42 | 10 48 | 11 40 | 12 12 | 12 27 | | | n.a. |
| T 9 | 11 17 | 13 5 | 4 4 | 17 47 | 2 2 | 22 31 | 0 7 | 16 9 | 1 2 | 1 20 | 1 5 | 23 41 | 1 45 | 16 39 | 0 5 | 10 53 | 2 3 | 34 41 | 10 47 | 11 37 | 12 11 | 12 23 | | | n.a. |
| F 10 | 10 55 | 6 13 | 3 8 | 17 6 | 1 58 | 22 25 | 0 3 | 15 54 | 1 2 | 1 14 | 1 5 | 23 42 | 1 45 | 16 39 | 0 5 | 10 54 | 2 3 | 34 41 | 10 47 | 11 34 | 12 10 | 12 20 | | | n.a. |
| S 11 | 10 34 | 0s55 | 1 59 | 16 24 | 1 53 | 22 19 | 0s 1 | 15 39 | 1 2 | 1 9 | 1 4 | 23 42 | 1 45 | 16 40 | 0 5 | 10 55 | 2 3 | 34 41 | 10 47 | 11 33 | 12 9 | 12 17 | | | n.a. |
| S 12 | 10 13 | 7 51 | 0 43 | 15 40 | 1 48 | 22 12 | 0 5 | 15 24 | 1 1 | 1 3 | 1 4 | 23 43 | 1 45 | 16 40 | 0 5 | 10 55 | 2 3 | 34 41 | 10 47 | 11 32 | 12 8 | 12 14 | | | n.a. |
| M13 | 9 51 | 14 11 | 0s33 | 14 55 | 1 42 | 22 4 | 0 9 | 15 9 | 1 1 | 0 58 | 1 4 | 23 43 | 1 45 | 16 41 | 0 5 | 10 56 | 2 3 | 34 41 | 10 47 | 11 32 | 12 6 | 12 11 | | | n.a. |
| T 14 | 9 29 | 19 38 | 1 45 | 14 7 | 1 35 | 21 56 | 0 13 | 14 54 | 1 1 | 0 52 | 1 4 | 23 43 | 1 45 | 16 41 | 0 5 | 10 57 | 2 3 | 34 40 | 10 46 | 11 32 | 12 5 | 12 8 | | | n.a. |
| W15 | 9 7 | 23 55 | 2 49 | 13 17 | 1 28 | 21 47 | 0 17 | 14 39 | 1 1 | 0 47 | 1 4 | 23 44 | 1 45 | 16 42 | 0 5 | 10 57 | 2 3 | 34 40 | 10 46 | 11 33 | 12 4 | 12 5 | | | n.a. |
| T 16 | 8 45 | 26 50 | 3 42 | 12 26 | 1 21 | 21 38 | 0 21 | 14 23 | 1 0 | 0 41 | 1 4 | 23 44 | 1 45 | 16 42 | 0 5 | 10 58 | 2 3 | 34 40 | 10 46 | 11 33 | 12 3 | 12 2 | | | n.a. |
| F 17 | 8 23 | 28 18 | 4 23 | 11 33 | 1 13 | 21 28 | 0 24 | 14 8 | 1 0 | 0 35 | 1 4 | 23 45 | 1 45 | 16 43 | 0 5 | 10 58 | 2 3 | 34 40 | 10 46 | 11 32 | 12 2 | 11 59 | | | n.a. |
| S 18 | 8 1 | 28 18 | 4 51 | 10 38 | 1 5 | 21 18 | 0 28 | 13 52 | 1 0 | 0 30 | 1 3 | 23 45 | 1 45 | 16 44 | 0 5 | 10 59 | 2 3 | 34 40 | 10 46 | 11 30 | 12 1 | 11 56 | | | n.a. |
| S 19 | 7 39 | 26 55 | 5 5 | 9 42 | 0 56 | 21 6 | 0 31 | 13 36 | 0 59 | 0 24 | 1 3 | 23 45 | 1 45 | 16 44 | 0 5 | 11 0 | 2 3 | 34 39 | 10 45 | 11 28 | 12 0 | 11 53 | | | n.a. |
| M20 | 7 16 | 24 17 | 5 5 | 8 44 | 0 46 | 20 55 | 0 35 | 13 20 | 0 59 | 0 19 | 1 3 | 23 45 | 1 45 | 16 45 | 0 5 | 11 0 | 2 3 | 34 39 | 10 45 | 11 25 | 11 58 | 11 49 | | | n.a. |
| T 21 | 6 54 | 20 39 | 4 52 | 7 46 | 0 37 | 20 42 | 0 38 | 13 4 | 0 59 | 0 13 | 1 3 | 23 46 | 1 45 | 16 45 | 0 5 | 11 1 | 2 3 | 34 39 | 10 45 | 11 22 | 11 57 | 11 46 | | | n.a. |
| W22 | 6 31 | 16 12 | 4 26 | 6 46 | 0 27 | 20 29 | 0 41 | 12 48 | 0 59 | 0 7 | 1 3 | 23 46 | 1 45 | 16 46 | 0 5 | 11 2 | 2 3 | 34 39 | 10 45 | 11 19 | 11 56 | 11 43 | | | n.a. |
| T 23 | 6 8 | 11 11 | 3 49 | 5 45 | 0 16 | 20 16 | 0 45 | 12 32 | 0 58 | 0 2 | 1 3 | 23 46 | 1 45 | 16 47 | 0 5 | 11 2 | 2 3 | 34 39 | 10 44 | 11 16 | 11 55 | 11 40 | | | n.a. |
| F 24 | 5 46 | 5 45 | 3 2 | 4 44 | 0 6 | 20 2 | 0 48 | 12 16 | 0 58 | 0n 4 | 1 3 | 23 47 | 1 45 | 16 47 | 0 5 | 11 3 | 2 3 | 34 38 | 10 44 | 11 14 | 11 54 | 11 37 | | | n.a. |
| S 25 | 5 23 | 0 6 | 2 7 | 3 42 | 0n 5 | 19 47 | 0 51 | 12 0 | 0 58 | 0 9 | 1 3 | 23 47 | 1 45 | 16 48 | 0 5 | 11 3 | 2 3 | 34 38 | 10 44 | 11 12 | 11 53 | 11 34 | | | n.a. |
| S 26 | 5 0 | 5n34 | 1 6 | 2 41 | 0 15 | 19 32 | 0 54 | 11 43 | 0 57 | 0 15 | 1 3 | 23 47 | 1 44 | 16 49 | 0 5 | 11 4 | 2 3 | 34 38 | 10 44 | 11 11 | 11 52 | 11 31 | | | n.a. |
| M27 | 4 37 | 11 7 | 0 1 | 1 39 | 0 26 | 19 16 | 0 57 | 11 27 | 0 57 | 0 21 | 1 2 | 23 47 | 1 44 | 16 49 | 0 5 | 11 5 | 2 3 | 34 38 | 10 43 | 11 11 | 11 51 | 11 28 | | | n.a. |
| T 28 | 4 14 | 16 19 | 1n 5 | 0 37 | 0 37 | 19 0 | 1 0 | 11 10 | 0 57 | 0 26 | 1 2 | 23 47 | 1 44 | 16 50 | 0 5 | 11 5 | 2 3 | 34 37 | 10 43 | 11 11 | 11 49 | 11 25 | | | n.a. |
| W29 | 3 51 | 20 57 | 2 9 | 0n24 | 0 47 | 18 43 | 1 2 | 10 54 | 0 56 | 0 32 | 1 2 | 23 47 | 1 44 | 16 51 | 0 5 | 11 6 | 2 3 | 34 37 | 10 43 | 11 12 | 11 48 | 11 21 | | | n.a. |
| T 30 | 3 28 | 24 45 | 3 8 | 1 24 | 0 58 | 18 26 | 1 5 | 10 37 | 0 56 | 0 38 | 1 2 | 23 48 | 1 44 | 16 52 | 0 5 | 11 6 | 2 3 | 34 37 | 10 43 | 11 12 | 11 47 | 11 18 | | | n.a. |
| F 31 | 3s 4 | 27n23 | 3n59 | 2n23 | 1n 8 | 18s 8 | 1s 8 | 10s20 | 0s56 | 0n43 | 1s 2 | 23n48 | 1n44 | 16n52 | 0s 5 | 11n 7 | 2n 3 | 34n37 | 10n43 | 11n12 | 11n46 | 11s15 | | | n.a. |

Julian Day Number = 991712.5, Delta T = 13h01m41s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°37'01, Lahiri = -31°30'00 Julian Calendar 1 March 1998 BCE == Greg. Calendar 12 Feb. 1998 BCE


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## APRIL 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 27 51 | 23♓21'41 | 1♋55 | 5♈23 | 14♒51 | 6♓47 | 4♈21 | 22°R 0 | 15♉59 | 6°R43 | 2°D23 | 28°R38 | 0♉ 8 | 10♓57 | n.a. | S 1 |
| S 2 | 11 31 48 | 24°19'14 | 15°43 | 7°22 | 16° 0 | 7°30 | 4°35 | 21♋59 | 16° 2 | 6♍42 | 2♋23 | 28♈36 | 0° 5 | 11° 4 | n.a. | S 2 |
| M 3 | 11 35 44 | 25°16'46 | 29°59 | 9°19 | 17°10 | 8°14 | 4°48 | 21°58 | 16° 4 | 6°40 | 2°23 | 28°33 | 0° 2 | 11°10 | n.a. | M 3 |
| T 4 | 11 39 41 | 26°14'16 | 14♌38 | 11°14 | 18°20 | 8°57 | 5° 2 | 21°57 | 16° 7 | 6°39 | 2°23 | 28°29 | 29♈59 | 11°17 | n.a. | T 4 |
| W 5 | 11 43 38 | 27°11'45 | 29°37 | 13° 6 | 19°30 | 9°41 | 5°16 | 21°56 | 16° 9 | 6°37 | 2°24 | 28°25 | 29°55 | 11°24 | n.a. | W 5 |
| T 6 | 11 47 34 | 28° 9'12 | 14♍47 | 14°55 | 20°40 | 10°24 | 5°30 | 21°56 | 16°12 | 6°36 | 2°24 | 28°21 | 29°52 | 11°30 | n.a. | T 6 |
| F 7 | 11 51 31 | 29° 6'37 | 29°59 | 16°41 | 21°50 | 11° 7 | 5°44 | 21°55 | 16°15 | 6°34 | 2°24 | 28°18 | 29°49 | 11°37 | n.a. | F 7 |
| S 8 | 11 55 27 | 0♈ 4'01 | 15♎ 3 | 18°25 | 23° 0 | 11°51 | 5°58 | 21°55 | 16°18 | 6°33 | 2°24 | 28°16 | 29°46 | 11°44 | n.a. | S 8 |
| S 9 | 11 59 24 | 1° 1'25 | 29°50 | 20° 5 | 24°10 | 12°34 | 6°12 | 21°54 | 16°20 | 6°31 | 2°24 | 28°D15 | 29°43 | 11°50 | n.a. | S 9 |
| M10 | 12 3 20 | 1°58'47 | 14♏15 | 21°42 | 25°20 | 13°17 | 6°25 | 21°54 | 16°23 | 6°30 | 2°24 | 28°16 | 29°39 | 11°57 | n.a. | M10 |
| T 11 | 12 7 17 | 2°56'08 | 28°12 | 23°16 | 26°30 | 14° 0 | 6°39 | 21°54 | 16°26 | 6°28 | 2°25 | 28°17 | 29°36 | 12° 4 | n.a. | T 11 |
| W12 | 12 11 13 | 3°53'29 | 11♐43 | 24°47 | 27°40 | 14°43 | 6°53 | 21°D54 | 16°29 | 6°27 | 2°25 | 28°19 | 29°33 | 12°10 | n.a. | W12 |
| T 13 | 12 15 10 | 4°50'48 | 24°48 | 26°15 | 28°51 | 15°26 | 7° 7 | 21°54 | 16°32 | 6°26 | 2°25 | 28°20 | 29°30 | 12°17 | n.a. | T 13 |
| F 14 | 12 19 7 | 5°48'07 | 7♑31 | 27°40 | 0♓ 1 | 16° 9 | 7°21 | 21°54 | 16°35 | 6°24 | 2°26 | 28°R20 | 29°27 | 12°24 | n.a. | F 14 |
| S 15 | 12 23 3 | 6°45'26 | 19°56 | 29° 1 | 1°12 | 16°52 | 7°35 | 21°55 | 16°38 | 6°23 | 2°26 | 28°19 | 29°24 | 12°30 | n.a. | S 15 |
| S 16 | 12 27 0 | 7°42'43 | 2♒ 5 | 0♉19 | 2°22 | 17°35 | 7°49 | 21°55 | 16°41 | 6°21 | 2°27 | 28°18 | 29°20 | 12°37 | n.a. | S 16 |
| M17 | 12 30 56 | 8°40'00 | 14° 5 | 1°34 | 3°33 | 18°18 | 8° 3 | 21°55 | 16°44 | 6°20 | 2°27 | 28°15 | 29°17 | 12°44 | n.a. | M17 |
| T 18 | 12 34 53 | 9°37'16 | 25°58 | 2°45 | 4°43 | 19° 0 | 8°17 | 21°56 | 16°47 | 6°19 | 2°28 | 28°13 | 29°14 | 12°51 | n.a. | T 18 |
| W19 | 12 38 49 | 10°34'31 | 7♓48 | 3°53 | 5°54 | 19°43 | 8°31 | 21°57 | 16°50 | 6°18 | 2°28 | 28°10 | 29°11 | 12°57 | n.a. | W19 |
| T 20 | 12 42 46 | 11°31'45 | 19°38 | 4°57 | 7° 5 | 20°26 | 8°45 | 21°58 | 16°53 | 6°16 | 2°29 | 28° 7 | 29° 8 | 13° 4 | n.a. | T 20 |
| F 21 | 12 46 42 | 12°28'59 | 1♈30 | 5°58 | 8°15 | 21° 8 | 8°58 | 21°58 | 16°56 | 6°15 | 2°29 | 28° 5 | 29° 4 | 13°11 | n.a. | F 21 |
| S 22 | 12 50 39 | 13°26'11 | 13°26 | 6°55 | 9°26 | 21°51 | 9°12 | 21°59 | 16°59 | 6°14 | 2°30 | 28° 4 | 29° 1 | 13°17 | n.a. | S 22 |
| S 23 | 12 54 36 | 14°23'23 | 25°29 | 7°49 | 10°37 | 22°33 | 9°26 | 22° 1 | 17° 2 | 6°13 | 2°30 | 28°D 3 | 28°58 | 13°24 | n.a. | S 23 |
| M24 | 12 58 32 | 15°20'35 | 7♉40 | 8°38 | 11°48 | 23°16 | 9°40 | 22° 2 | 17° 6 | 6°11 | 2°31 | 28° 4 | 28°55 | 13°31 | n.a. | M24 |
| T 25 | 13 2 29 | 16°17'45 | 20° 2 | 9°24 | 12°59 | 23°58 | 9°54 | 22° 3 | 17° 9 | 6°10 | 2°32 | 28° 4 | 28°52 | 13°37 | n.a. | T 25 |
| W26 | 13 6 25 | 17°14'55 | 2♊36 | 10° 6 | 14°10 | 24°40 | 10° 8 | 22° 4 | 17°12 | 6° 9 | 2°32 | 28° 5 | 28°49 | 13°44 | n.a. | W26 |
| T 27 | 13 10 22 | 18°12'04 | 15°25 | 10°44 | 15°21 | 25°22 | 10°22 | 22° 6 | 17°15 | 6° 8 | 2°33 | 28° 6 | 28°45 | 13°51 | n.a. | T 27 |
| F 28 | 13 14 18 | 19° 9'12 | 28°30 | 11°17 | 16°32 | 26° 5 | 10°35 | 22° 8 | 17°19 | 6° 7 | 2°34 | 28° 7 | 28°42 | 13°57 | n.a. | F 28 |
| S 29 | 13 18 15 | 20° 6'20 | 11♋55 | 11°46 | 17°43 | 26°47 | 10°49 | 22° 9 | 17°22 | 6° 6 | 2°35 | 28° 7 | 28°39 | 14° 4 | n.a. | S 29 |
| S 30 | 13 22 12 | 21♈ 3'26 | 25♋39 | 12♉11 | 18♓54 | 27♓29 | 11♈ 3 | 22♋11 | 17♉25 | 6♍ 5 | 2♋35 | 28°R 7 | 28♈36 | 14♓11 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s41 | 28n34 | 4n39 | 3n21 | 1n17 | 17s50 | 1s10 | 10s 3 | 0s55 | 0n49 | 1s 2 | 23n48 | 1n44 | 16n53 | 0s 5 | 11n 8 | 2n 3 | 34n36 | 10n42 | 11n12 | 11n45 | 11s12 | | n.a. |
| S 2 | 2 18 | 28 1 | 5 4 | 4 18 | 1 27 | 17 31 | 1 13 | 9 46 | 0 55 | 0 55 | 1 2 | 23 48 | 1 44 | 16 54 | 0 5 | 11 8 | 2 3 | 34 36 | 10 42 | 11 12 | 11 44 | 11 9 | | n.a. |
| M 3 | 1 55 | 25 38 | 5 12 | 5 13 | 1 35 | 17 12 | 1 15 | 9 29 | 0 54 | 1 0 | 1 2 | 23 48 | 1 44 | 16 55 | 0 5 | 11 9 | 2 3 | 34 36 | 10 42 | 11 11 | 11 43 | 11 6 | | n.a. |
| T 4 | 1 31 | 21 32 | 5 0 | 6 7 | 1 44 | 16 52 | 1 17 | 9 12 | 0 54 | 1 6 | 1 2 | 23 48 | 1 44 | 16 55 | 0 5 | 11 9 | 2 3 | 34 36 | 10 42 | 11 9 | 11 41 | 11 3 | | n.a. |
| W 5 | 1 8 | 15 59 | 4 27 | 6 59 | 1 51 | 16 32 | 1 19 | 8 55 | 0 54 | 1 12 | 1 1 | 23 48 | 1 44 | 16 56 | 0 5 | 11 10 | 2 3 | 34 35 | 10 41 | 11 8 | 11 40 | 10 59 | | n.a. |
| T 6 | 0 45 | 9 25 | 3 36 | 7 48 | 1 58 | 16 11 | 1 22 | 8 38 | 0 53 | 1 17 | 1 1 | 23 48 | 1 43 | 16 57 | 0 5 | 11 10 | 2 3 | 34 35 | 10 41 | 11 6 | 11 39 | 10 56 | | n.a. |
| F 7 | 0 22 | 2 16 | 2 29 | 8 36 | 2 5 | 15 50 | 1 24 | 8 21 | 0 53 | 1 23 | 1 1 | 23 48 | 1 43 | 16 58 | 0 5 | 11 11 | 2 3 | 34 35 | 10 41 | 11 5 | 11 38 | 10 53 | | n.a. |
| S 8 | 0n 2 | 4s57 | 1 12 | 9 22 | 2 11 | 15 28 | 1 26 | 8 4 | 0 53 | 1 29 | 1 1 | 23 48 | 1 43 | 16 59 | 0 4 | 11 11 | 2 3 | 34 35 | 10 41 | 11 4 | 11 37 | 10 50 | | n.a. |
| S 9 | 0 25 | 11 47 | 0s 9 | 10 6 | 2 16 | 15 6 | 1 27 | 7 47 | 0 52 | 1 35 | 1 1 | 23 48 | 1 43 | 16 59 | 0 4 | 11 12 | 2 3 | 34 35 | 10 40 | 11 4 | 11 36 | 10 47 | | n.a. |
| M10 | 0 48 | 17 49 | 1 27 | 10 47 | 2 20 | 14 44 | 1 29 | 7 30 | 0 52 | 1 40 | 1 1 | 23 48 | 1 43 | 17 0 | 0 4 | 11 12 | 2 3 | 34 34 | 10 40 | 11 4 | 11 35 | 10 44 | | n.a. |
| T 11 | 1 11 | 22 43 | 2 37 | 11 26 | 2 24 | 14 21 | 1 31 | 7 12 | 0 51 | 1 46 | 1 1 | 23 48 | 1 43 | 17 1 | 0 4 | 11 13 | 2 3 | 34 34 | 10 40 | 11 5 | 11 33 | 10 40 | | n.a. |
| W12 | 1 35 | 26 13 | 3 37 | 12 3 | 2 27 | 13 58 | 1 32 | 6 55 | 0 51 | 1 52 | 1 1 | 23 48 | 1 43 | 17 2 | 0 4 | 11 14 | 2 3 | 34 34 | 10 40 | 11 5 | 11 32 | 10 37 | | n.a. |
| T 13 | 1 58 | 28 12 | 4 23 | 12 38 | 2 29 | 13 34 | 1 34 | 6 38 | 0 51 | 1 57 | 1 1 | 23 48 | 1 43 | 17 3 | 0 4 | 11 14 | 2 3 | 34 34 | 10 39 | 11 6 | 11 31 | 10 34 | | n.a. |
| F 14 | 2 21 | 28 36 | 4 54 | 13 11 | 2 30 | 13 11 | 1 35 | 6 20 | 0 50 | 2 3 | 1 1 | 23 47 | 1 43 | 17 4 | 0 4 | 11 15 | 2 3 | 34 33 | 10 39 | 11 6 | 11 30 | 10 31 | | n.a. |
| S 15 | 2 44 | 27 32 | 5 11 | 13 41 | 2 31 | 12 46 | 1 37 | 6 3 | 0 50 | 2 9 | 1 1 | 23 47 | 1 43 | 17 5 | 0 4 | 11 15 | 2 3 | 34 33 | 10 39 | 11 6 | 11 29 | 10 28 | | n.a. |
| S 16 | 3 7 | 25 11 | 5 14 | 14 9 | 2 31 | 12 22 | 1 38 | 5 46 | 0 49 | 2 14 | 1 1 | 23 47 | 1 42 | 17 5 | 0 4 | 11 15 | 2 3 | 34 33 | 10 39 | 11 5 | 11 28 | 10 25 | | n.a. |
| M17 | 3 30 | 21 45 | 5 3 | 14 35 | 2 30 | 11 57 | 1 39 | 5 28 | 0 49 | 2 20 | 1 1 | 23 47 | 1 42 | 17 6 | 0 4 | 11 16 | 2 3 | 34 33 | 10 38 | 11 4 | 11 27 | 10 21 | | n.a. |
| T 18 | 3 53 | 17 28 | 4 39 | 14 59 | 2 28 | 11 31 | 1 40 | 5 11 | 0 48 | 2 26 | 1 0 | 23 47 | 1 42 | 17 7 | 0 4 | 11 16 | 2 3 | 34 32 | 10 38 | 11 3 | 11 25 | 10 18 | | n.a. |
| W19 | 4 16 | 12 33 | 4 3 | 15 20 | 2 25 | 11 6 | 1 41 | 4 53 | 0 48 | 2 31 | 1 0 | 23 47 | 1 42 | 17 8 | 0 4 | 11 17 | 2 3 | 34 32 | 10 38 | 11 2 | 11 24 | 10 15 | | n.a. |
| T 20 | 4 39 | 7 11 | 3 17 | 15 39 | 2 22 | 10 40 | 1 42 | 4 36 | 0 48 | 2 37 | 1 0 | 23 46 | 1 42 | 17 9 | 0 4 | 11 17 | 2 3 | 34 32 | 10 38 | 11 1 | 11 23 | 10 12 | | n.a. |
| F 21 | 5 2 | 1 33 | 2 22 | 15 56 | 2 18 | 10 14 | 1 43 | 4 18 | 0 47 | 2 42 | 1 0 | 23 46 | 1 42 | 17 10 | 0 4 | 11 18 | 2 3 | 34 32 | 10 38 | 11 0 | 11 22 | 10 9 | | n.a. |
| S 22 | 5 24 | 4n11 | 1 20 | 16 11 | 2 12 | 9 47 | 1 44 | 4 1 | 0 47 | 2 48 | 1 0 | 23 46 | 1 42 | 17 11 | 0 4 | 11 18 | 2 3 | 34 31 | 10 37 | 11 0 | 11 21 | 10 5 | | n.a. |
| S 23 | 5 47 | 9 50 | 0 14 | 16 23 | 2 7 | 9 20 | 1 44 | 3 43 | 0 46 | 2 54 | 1 0 | 23 46 | 1 42 | 17 12 | 0 4 | 11 19 | 2 3 | 34 31 | 10 37 | 11 0 | 11 20 | 10 2 | | n.a. |
| M24 | 6 10 | 15 11 | 0n53 | 16 33 | 2 0 | 8 53 | 1 45 | 3 26 | 0 46 | 2 59 | 1 0 | 23 45 | 1 42 | 17 13 | 0 4 | 11 19 | 2 3 | 34 31 | 10 37 | 11 0 | 11 19 | 9 59 | | n.a. |
| T 25 | 6 32 | 20 1 | 1 59 | 16 41 | 1 52 | 8 26 | 1 46 | 3 8 | 0 45 | 3 5 | 1 0 | 23 45 | 1 42 | 17 14 | 0 4 | 11 19 | 2 3 | 34 31 | 10 37 | 11 0 | 11 17 | 9 56 | | n.a. |
| W26 | 6 54 | 24 2 | 3 0 | 16 47 | 1 44 | 7 59 | 1 46 | 2 51 | 0 45 | 3 10 | 1 0 | 23 45 | 1 41 | 17 15 | 0 4 | 11 20 | 2 3 | 34 30 | 10 36 | 11 0 | 11 16 | 9 53 | | n.a. |
| T 27 | 7 17 | 26 58 | 3 53 | 16 50 | 1 35 | 7 31 | 1 46 | 2 33 | 0 44 | 3 16 | 1 0 | 23 44 | 1 41 | 17 16 | 0 4 | 11 20 | 2 3 | 34 30 | 10 36 | 11 1 | 11 15 | 9 49 | | n.a. |
| F 28 | 7 39 | 28 31 | 4 36 | 16 52 | 1 25 | 7 3 | 1 47 | 2 16 | 0 44 | 3 22 | 1 0 | 23 44 | 1 41 | 17 17 | 0 4 | 11 21 | 2 3 | 34 30 | 10 36 | 11 1 | 11 14 | 9 46 | | n.a. |
| S 29 | 8 1 | 28 26 | 5 4 | 16 51 | 1 14 | 6 35 | 1 47 | 1 58 | 0 43 | 3 27 | 1 0 | 23 43 | 1 41 | 17 18 | 0 4 | 11 21 | 2 2 | 34 30 | 10 36 | 11 1 | 11 13 | 9 43 | | n.a. |
| S 30 | 8n23 | 26n37 | 5n17 | 16n47 | 1n 2 | 6s 7 | 1s47 | 1s41 | 0s43 | 3n33 | 1s 0 | 23n43 | 1n41 | 17n18 | 0s 4 | 11n21 | 2n 2 | 34n29 | 10n36 | 11n 1 | 11n12 | 9s40 | | n.a. |

Julian Day Number = 991743.5, Delta T = 13h01m39s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'57, Lahiri = -31°29'56 Julian Calendar 1 Apr. 1998 BCE == Greg. Calendar 15 March 1998 BCE


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## MAY 1998 BCE (-1997) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 26 8 | 22♈ 0'32 | 9♌43 | 12♉32 | 20♓ 5 | 28♓11 | 11♈17 | 22♋13 | 17♉29 | 6°R 4 | 2♋36 | 28°R 7 | 28♈33 | 14♓17 | n.a. | M 1 |
| T 2 | 13 30 5 | 22°57'36 | 24° 7 | 12°47 | 21°16 | 28°53 | 11°31 | 22°15 | 17°32 | 6♍ 3 | 2°37 | 28♈ 7 | 28°30 | 14°24 | n.a. | T 2 |
| W 3 | 13 34 1 | 23°54'40 | 8♍47 | 12°59 | 22°28 | 29°34 | 11°44 | 22°17 | 17°35 | 6° 2 | 2°38 | 28° 6 | 28°26 | 14°31 | n.a. | W 3 |
| T 4 | 13 37 58 | 24°51'44 | 23°37 | 13° 6 | 23°39 | 0♈16 | 11°58 | 22°19 | 17°39 | 6° 1 | 2°39 | 28° 6 | 28°23 | 14°38 | n.a. | T 4 |
| F 5 | 13 41 54 | 25°48'47 | 8♎32 | 13°R 8 | 24°50 | 0°58 | 12°12 | 22°21 | 17°42 | 6° 0 | 2°40 | 28° 6 | 28°20 | 14°44 | n.a. | F 5 |
| S 6 | 13 45 51 | 26°45'49 | 23°23 | 13° 6 | 26° 2 | 1°40 | 12°25 | 22°24 | 17°46 | 5°59 | 2°41 | 28°D 6 | 28°17 | 14°51 | n.a. | S 6 |
| S 7 | 13 49 47 | 27°42'51 | 8♏ 2 | 12°59 | 27°13 | 2°21 | 12°39 | 22°26 | 17°49 | 5°58 | 2°42 | 28°R 6 | 28°14 | 14°58 | n.a. | S 7 |
| M 8 | 13 53 44 | 28°39'53 | 22°24 | 12°48 | 28°25 | 3° 3 | 12°53 | 22°29 | 17°53 | 5°57 | 2°43 | 28° 6 | 28°10 | 15° 4 | n.a. | M 8 |
| T 9 | 13 57 41 | 29°36'55 | 6♐24 | 12°33 | 29°36 | 3°45 | 13° 6 | 22°31 | 17°56 | 5°56 | 2°44 | 28° 6 | 28° 7 | 15°11 | n.a. | T 9 |
| W10 | 14 1 37 | 0♑33'57 | 19°59 | 12°14 | 0♈48 | 4°26 | 13°20 | 22°34 | 18° 0 | 5°56 | 2°45 | 28° 5 | 28° 4 | 15°18 | n.a. | W10 |
| T 11 | 14 5 34 | 1°30'59 | 3♑ 9 | 11°51 | 1°59 | 5° 7 | 13°33 | 22°37 | 18° 3 | 5°55 | 2°46 | 28° 5 | 28° 1 | 15°24 | n.a. | T 11 |
| F 12 | 14 9 30 | 2°28'01 | 15°57 | 11°25 | 3°11 | 5°49 | 13°47 | 22°40 | 18° 7 | 5°54 | 2°47 | 28° 5 | 27°58 | 15°31 | n.a. | F 12 |
| S 13 | 14 13 27 | 3°25'03 | 28°24 | 10°56 | 4°23 | 6°30 | 14° 0 | 22°43 | 18°10 | 5°53 | 2°48 | 28°D 4 | 27°55 | 15°38 | n.a. | S 13 |
| S 14 | 14 17 23 | 4°22'06 | 10♒35 | 10°24 | 5°34 | 7°11 | 14°14 | 22°46 | 18°14 | 5°53 | 2°49 | 28° 4 | 27°51 | 15°44 | n.a. | S 14 |
| M15 | 14 21 20 | 5°19'08 | 22°35 | 9°51 | 6°46 | 7°53 | 14°27 | 22°49 | 18°17 | 5°52 | 2°51 | 28° 5 | 27°48 | 15°51 | n.a. | M15 |
| T 16 | 14 25 17 | 6°16'11 | 4♓27 | 9°16 | 7°58 | 8°34 | 14°40 | 22°52 | 18°21 | 5°51 | 2°52 | 28° 5 | 27°45 | 15°58 | n.a. | T 16 |
| W17 | 14 29 13 | 7°13'14 | 16°17 | 8°40 | 9°10 | 9°15 | 14°54 | 22°56 | 18°25 | 5°51 | 2°53 | 28° 6 | 27°42 | 16° 4 | n.a. | W17 |
| T 18 | 14 33 10 | 8°10'17 | 28° 8 | 8° 3 | 10°22 | 9°56 | 15° 7 | 22°59 | 18°28 | 5°50 | 2°54 | 28° 7 | 27°39 | 16°11 | n.a. | T 18 |
| F 19 | 14 37 6 | 9° 7'21 | 10♈ 4 | 7°28 | 11°34 | 10°37 | 15°20 | 23° 3 | 18°32 | 5°50 | 2°56 | 28° 8 | 27°36 | 16°18 | n.a. | F 19 |
| S 20 | 14 41 3 | 10° 4'25 | 22° 8 | 6°53 | 12°46 | 11°18 | 15°34 | 23° 6 | 18°35 | 5°49 | 2°57 | 28°R 9 | 27°32 | 16°24 | n.a. | S 20 |
| S 21 | 14 44 59 | 11° 1'29 | 4♉22 | 6°20 | 13°58 | 11°59 | 15°47 | 23°10 | 18°39 | 5°49 | 2°58 | 28° 9 | 27°29 | 16°31 | n.a. | S 21 |
| M22 | 14 48 56 | 11°58'34 | 16°49 | 5°49 | 15°10 | 12°40 | 16° 0 | 23°14 | 18°43 | 5°48 | 3° 0 | 28° 8 | 27°26 | 16°38 | n.a. | M22 |
| T 23 | 14 52 52 | 12°55'38 | 29°28 | 5°20 | 16°22 | 13°20 | 16°13 | 23°18 | 18°46 | 5°48 | 3° 1 | 28° 7 | 27°23 | 16°44 | n.a. | T 23 |
| W24 | 14 56 49 | 13°52'43 | 12♊22 | 4°55 | 17°34 | 14° 1 | 16°26 | 23°21 | 18°50 | 5°48 | 3° 2 | 28° 5 | 27°20 | 16°51 | n.a. | W24 |
| T 25 | 15 0 46 | 14°49'49 | 25°30 | 4°34 | 18°46 | 14°42 | 16°39 | 23°25 | 18°53 | 5°47 | 3° 4 | 28° 2 | 27°16 | 16°58 | n.a. | T 25 |
| F 26 | 15 4 42 | 15°46'54 | 8♋51 | 4°16 | 19°58 | 15°22 | 16°52 | 23°30 | 18°57 | 5°47 | 3° 5 | 28° 0 | 27°13 | 17° 4 | n.a. | F 26 |
| S 27 | 15 8 39 | 16°44'00 | 22°27 | 4° 3 | 21°10 | 16° 3 | 17° 5 | 23°34 | 19° 1 | 5°47 | 3° 7 | 27°58 | 27°10 | 17°11 | n.a. | S 27 |
| S 28 | 15 12 35 | 17°41'06 | 6♌16 | 3°55 | 22°23 | 16°43 | 17°18 | 23°38 | 19° 4 | 5°46 | 3° 8 | 27°57 | 27° 7 | 17°18 | n.a. | S 28 |
| M29 | 15 16 32 | 18°38'11 | 20°17 | 3°D52 | 23°35 | 17°24 | 17°31 | 23°42 | 19° 8 | 5°46 | 3° 9 | 27°D57 | 27° 4 | 17°25 | n.a. | M29 |
| T 30 | 15 20 28 | 19°35'17 | 4♍29 | 3°53 | 24°47 | 18° 4 | 17°43 | 23°47 | 19°12 | 5°46 | 3°11 | 27°57 | 27° 1 | 17°31 | n.a. | T 30 |
| W31 | 15 24 25 | 20♉32'23 | 18♍50 | 4♉ 1 | 26♈ 0 | 18♈45 | 17♈56 | 23♋51 | 19♉15 | 5♍46 | 3♋13 | 27♈58 | 26♈57 | 17♓38 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| M 1 | 8n45 | 23n 9 | 5n11 | 16n42 | 0n50 | 5s38 | 1s47 | 1s23 | 0s43 | 3n38 | 1s 0 | 23n43 | 1n41 | 17n19 | 0s 4 | 11n22 | 2n 2 | 34n29 | 10n35 | 11n 1 | 11n10 | 9s37 | | | n.a. |
| T 2 | 9 6 | 18 13 | 4 45 | 16 35 | 0 37 | 5 9 | 1 47 | 1 6 | 0 42 | 3 44 | 1 0 | 23 42 | 1 41 | 17 20 | 0 4 | 11 22 | 2 2 | 34 29 | 10 35 | 11 1 | 11 9 | 9 33 | | | n.a. |
| W 3 | 9 28 | 12 9 | 4 1 | 16 25 | 0 23 | 4 41 | 1 47 | 0 48 | 0 42 | 3 49 | 1 0 | 23 42 | 1 41 | 17 21 | 0 4 | 11 22 | 2 2 | 34 29 | 10 35 | 11 1 | 11 8 | 9 30 | | | n.a. |
| T 4 | 9 49 | 5 19 | 3 0 | 16 14 | 0 9 | 4 12 | 1 46 | 0 31 | 0 41 | 3 55 | 1 0 | 23 41 | 1 41 | 17 22 | 0 4 | 11 23 | 2 2 | 34 28 | 10 35 | 11 1 | 11 7 | 9 27 | | | n.a. |
| F 5 | 10 10 | 1s49 | 1 46 | 16 0 | 0s 6 | 3 43 | 1 46 | 0 14 | 0 41 | 4 0 | 1 0 | 23 41 | 1 40 | 17 23 | 0 4 | 11 23 | 2 2 | 34 28 | 10 34 | 11 1 | 11 6 | 9 24 | | | n.a. |
| S 6 | 10 31 | 8 51 | 0 26 | 15 45 | 0 21 | 3 13 | 1 46 | 0n 4 | 0 40 | 4 6 | 0 59 | 23 40 | 1 40 | 17 24 | 0 4 | 11 23 | 2 2 | 34 28 | 10 34 | 11 1 | 11 5 | 9 20 | | | n.a. |
| S 7 | 10 52 | 15 20 | 0s55 | 15 28 | 0 37 | 2 44 | 1 45 | 0 21 | 0 40 | 4 11 | 0 59 | 23 40 | 1 40 | 17 25 | 0 4 | 11 24 | 2 2 | 34 28 | 10 34 | 11 1 | 11 4 | 9 17 | | | n.a. |
| M 8 | 11 13 | 20 51 | 2 11 | 15 9 | 0 53 | 2 15 | 1 45 | 0 38 | 0 39 | 4 17 | 0 59 | 23 39 | 1 40 | 17 26 | 0 4 | 11 24 | 2 2 | 34 28 | 10 34 | 11 1 | 11 2 | 9 14 | | | n.a. |
| T 9 | 11 34 | 25 3 | 3 17 | 14 49 | 1 10 | 1 45 | 1 44 | 0 56 | 0 39 | 4 22 | 0 59 | 23 39 | 1 40 | 17 27 | 0 4 | 11 24 | 2 2 | 34 27 | 10 34 | 11 1 | 11 1 | 9 11 | | | n.a. |
| W10 | 11 54 | 27 41 | 4 10 | 14 27 | 1 26 | 1 15 | 1 44 | 1 13 | 0 38 | 4 27 | 0 59 | 23 38 | 1 40 | 17 28 | 0 4 | 11 24 | 2 2 | 34 27 | 10 33 | 11 0 | 11 0 | 9 7 | | | n.a. |
| T 11 | 12 14 | 28 41 | 4 48 | 14 5 | 1 42 | 0 46 | 1 43 | 1 30 | 0 37 | 4 33 | 0 59 | 23 38 | 1 40 | 17 29 | 0 4 | 11 25 | 2 2 | 34 27 | 10 33 | 11 0 | 10 59 | 9 4 | | | n.a. |
| F 12 | 12 34 | 28 5 | 5 10 | 13 41 | 1 58 | 0 16 | 1 42 | 1 47 | 0 37 | 4 38 | 0 59 | 23 37 | 1 40 | 17 30 | 0 4 | 11 25 | 2 2 | 34 27 | 10 33 | 11 0 | 10 58 | 9 1 | | | n.a. |
| S 13 | 12 54 | 26 4 | 5 17 | 13 17 | 2 14 | 0n14 | 1 41 | 2 5 | 0 36 | 4 43 | 0 59 | 23 36 | 1 40 | 17 31 | 0 4 | 11 25 | 2 2 | 34 26 | 10 33 | 11 0 | 10 57 | 8 58 | | | n.a. |
| S 14 | 13 14 | 22 53 | 5 10 | 12 52 | 2 30 | 0 44 | 1 40 | 2 22 | 0 36 | 4 49 | 0 59 | 23 36 | 1 40 | 17 32 | 0 4 | 11 25 | 2 2 | 34 26 | 10 33 | 11 0 | 10 55 | 8 54 | | | n.a. |
| M15 | 13 34 | 18 48 | 4 49 | 12 28 | 2 44 | 1 14 | 1 39 | 2 39 | 0 35 | 4 54 | 0 59 | 23 35 | 1 40 | 17 33 | 0 4 | 11 25 | 2 2 | 34 26 | 10 32 | 11 0 | 10 54 | 8 51 | | | n.a. |
| T 16 | 13 53 | 14 1 | 4 16 | 12 3 | 2 58 | 1 43 | 1 38 | 2 56 | 0 35 | 4 59 | 0 59 | 23 34 | 1 39 | 17 35 | 0 4 | 11 26 | 2 2 | 34 26 | 10 32 | 11 1 | 10 53 | 8 48 | | | n.a. |
| W17 | 14 12 | 8 45 | 3 32 | 11 39 | 3 12 | 2 13 | 1 37 | 3 13 | 0 34 | 5 5 | 0 59 | 23 34 | 1 39 | 17 36 | 0 4 | 11 26 | 2 2 | 34 26 | 10 32 | 11 1 | 10 52 | 8 45 | | | n.a. |
| T 18 | 14 31 | 3 11 | 2 39 | 11 16 | 3 24 | 2 43 | 1 36 | 3 30 | 0 34 | 5 10 | 0 59 | 23 33 | 1 39 | 17 37 | 0 4 | 11 26 | 2 2 | 34 25 | 10 32 | 11 1 | 10 51 | 8 41 | | | n.a. |
| F 19 | 14 50 | 2n34 | 1 38 | 10 54 | 3 34 | 3 13 | 1 35 | 3 47 | 0 33 | 5 15 | 0 59 | 23 32 | 1 39 | 17 38 | 0 4 | 11 26 | 2 1 | 34 25 | 10 32 | 11 2 | 10 50 | 8 38 | | | n.a. |
| S 20 | 15 8 | 8 17 | 0 33 | 10 34 | 3 44 | 3 43 | 1 33 | 4 4 | 0 33 | 5 20 | 0 59 | 23 32 | 1 39 | 17 39 | 0 4 | 11 26 | 2 1 | 34 25 | 10 32 | 11 2 | 10 48 | 8 35 | | | n.a. |
| S 21 | 15 26 | 13 46 | 0n34 | 10 15 | 3 52 | 4 12 | 1 32 | 4 20 | 0 32 | 5 26 | 0 59 | 23 31 | 1 39 | 17 40 | 0 4 | 11 26 | 2 1 | 34 25 | 10 31 | 11 2 | 10 47 | 8 32 | | | n.a. |
| M22 | 15 44 | 18 49 | 1 41 | 9 58 | 3 59 | 4 42 | 1 30 | 4 37 | 0 32 | 5 31 | 0 59 | 23 30 | 1 39 | 17 41 | 0 4 | 11 26 | 2 1 | 34 25 | 10 31 | 11 1 | 10 46 | 8 28 | | | n.a. |
| T 23 | 16 2 | 23 7 | 2 45 | 9 44 | 4 4 | 5 12 | 1 29 | 4 54 | 0 31 | 5 36 | 0 59 | 23 30 | 1 39 | 17 42 | 0 4 | 11 27 | 2 1 | 34 24 | 10 31 | 11 1 | 10 45 | 8 25 | | | n.a. |
| W24 | 16 20 | 26 23 | 3 41 | 9 32 | 4 8 | 5 41 | 1 27 | 5 10 | 0 30 | 5 41 | 0 59 | 23 29 | 1 39 | 17 43 | 0 4 | 11 27 | 2 1 | 34 24 | 10 31 | 11 0 | 10 44 | 8 22 | | | n.a. |
| T 25 | 16 37 | 28 17 | 4 26 | 9 22 | 4 11 | 6 11 | 1 26 | 5 27 | 0 30 | 5 46 | 0 59 | 23 28 | 1 39 | 17 44 | 0 4 | 11 27 | 2 1 | 34 24 | 10 31 | 10 59 | 10 43 | 8 18 | | | n.a. |
| F 26 | 16 54 | 28 34 | 4 58 | 9 15 | 4 12 | 6 40 | 1 24 | 5 43 | 0 29 | 5 51 | 0 59 | 23 27 | 1 39 | 17 45 | 0 4 | 11 27 | 2 1 | 34 24 | 10 31 | 10 59 | 10 41 | 8 15 | | | n.a. |
| S 27 | 17 11 | 27 10 | 5 14 | 9 11 | 4 12 | 7 9 | 1 22 | 6 0 | 0 29 | 5 56 | 0 59 | 23 26 | 1 38 | 17 46 | 0 4 | 11 27 | 2 1 | 34 24 | 10 30 | 10 58 | 10 40 | 8 12 | | | n.a. |
| S 28 | 17 27 | 24 6 | 5 12 | 9 10 | 4 10 | 7 38 | 1 21 | 6 16 | 0 28 | 6 1 | 0 59 | 23 25 | 1 38 | 17 47 | 0 4 | 11 27 | 2 1 | 34 23 | 10 30 | 10 57 | 10 39 | 8 9 | | | n.a. |
| M29 | 17 43 | 19 37 | 4 52 | 9 11 | 4 7 | 8 7 | 1 19 | 6 33 | 0 28 | 6 6 | 0 59 | 23 25 | 1 38 | 17 48 | 0 4 | 11 27 | 2 1 | 34 23 | 10 30 | 10 57 | 10 38 | 8 5 | | | n.a. |
| T 30 | 17 59 | 13 59 | 4 13 | 9 16 | 4 3 | 8 36 | 1 17 | 6 49 | 0 27 | 6 11 | 0 59 | 23 24 | 1 38 | 17 49 | 0 4 | 11 27 | 2 1 | 34 23 | 10 30 | 10 58 | 10 37 | 8 2 | | | n.a. |
| W31 | 18n15 | 7n33 | 3n19 | 9n23 | 3s58 | 9n 5 | 1s15 | 7n 5 | 0s26 | 6n16 | 0s59 | 23n23 | 1n38 | 17n50 | 0s 4 | 11n27 | 2n 1 | 34n23 | 10n30 | 10n58 | 10n36 | 7s59 | | | n.a. |

Julian Day Number = 991773.5, Delta T = 13h01m37s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'53, Lahiri = -31°29'52 Julian Calendar 1 May 1998 BCE == Greg. Calendar 14 Apr. 1998 BCE

The year -1997 astronomical counting style corresponds to year 1998 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## JUNE 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 28 22 | 21♉29'30 | 3♎17 | 4♉13 | 27♈12 | 19♈25 | 18♈ 9 | 23♋56 | 19♉19 | 5°R46 | 3♋14 | 28♈ 0 | 26♈54 | 17♓45 | n.a. | T 1 |
| F 2 | 15 32 18 | 22°26'37 | 17°47 | 4°31 | 28°25 | 20° 5 | 18°21 | 24° 0 | 19°23 | 5♏46 | 3°16 | 28° 1 | 26°51 | 17°51 | n.a. | F 2 |
| S 3 | 15 36 15 | 23°23'44 | 2♏14 | 4°54 | 29°37 | 20°45 | 18°34 | 24° 5 | 19°26 | 5°45 | 3°17 | 28°R 1 | 26°48 | 17°58 | n.a. | S 3 |
| S 4 | 15 40 11 | 24°20'52 | 16°34 | 5°23 | 0♉50 | 21°25 | 18°46 | 24°10 | 19°30 | 5°45 | 3°19 | 28° 0 | 26°45 | 18° 5 | n.a. | S 4 |
| M 5 | 15 44 8 | 25°18'00 | 0♐41 | 5°58 | 2° 2 | 22° 5 | 18°59 | 24°15 | 19°33 | 5°D45 | 3°20 | 27°58 | 26°41 | 18°11 | n.a. | M 5 |
| T 6 | 15 48 4 | 26°15'09 | 14°32 | 6°38 | 3°15 | 22°45 | 19°11 | 24°20 | 19°37 | 5°45 | 3°22 | 27°54 | 26°38 | 18°18 | n.a. | T 6 |
| W 7 | 15 52 1 | 27°12'20 | 28° 3 | 7°23 | 4°28 | 23°25 | 19°24 | 24°24 | 19°41 | 5°46 | 3°24 | 27°50 | 26°35 | 18°25 | n.a. | W 7 |
| T 8 | 15 55 58 | 28° 9'31 | 11♑12 | 8°14 | 5°40 | 24° 5 | 19°36 | 24°30 | 19°44 | 5°46 | 3°25 | 27°45 | 26°32 | 18°31 | n.a. | T 8 |
| F 9 | 15 59 54 | 29° 6'43 | 24° 0 | 9°10 | 6°53 | 24°45 | 19°48 | 24°35 | 19°48 | 5°46 | 3°27 | 27°41 | 26°29 | 18°38 | n.a. | F 9 |
| S 10 | 16 3 51 | 0♊ 3'56 | 6♒28 | 10°12 | 8° 6 | 25°25 | 20° 0 | 24°40 | 19°52 | 5°46 | 3°29 | 27°38 | 26°26 | 18°45 | n.a. | S 10 |
| S 11 | 16 7 47 | 1° 1'11 | 18°40 | 11°18 | 9°19 | 26° 4 | 20°12 | 24°45 | 19°55 | 5°46 | 3°30 | 27°35 | 26°22 | 18°51 | n.a. | S 11 |
| M12 | 16 11 44 | 1°58'26 | 0♓40 | 12°30 | 10°32 | 26°44 | 20°24 | 24°50 | 19°59 | 5°46 | 3°32 | 27°D35 | 26°19 | 18°58 | n.a. | M12 |
| T 13 | 16 15 40 | 2°55'43 | 12°33 | 13°46 | 11°45 | 27°24 | 20°36 | 24°56 | 20° 2 | 5°47 | 3°34 | 27°35 | 26°16 | 19° 5 | n.a. | T 13 |
| W14 | 16 19 37 | 3°53'01 | 24°23 | 15° 8 | 12°58 | 28° 3 | 20°48 | 25° 1 | 20° 6 | 5°47 | 3°36 | 27°36 | 26°13 | 19°11 | n.a. | W14 |
| T 15 | 16 23 33 | 4°50'20 | 6♈16 | 16°34 | 14°11 | 28°43 | 21° 0 | 25° 7 | 20° 9 | 5°47 | 3°37 | 27°38 | 26°10 | 19°18 | n.a. | T 15 |
| F 16 | 16 27 30 | 5°47'40 | 18°15 | 18° 4 | 15°24 | 29°22 | 21°11 | 25°12 | 20°13 | 5°48 | 3°39 | 27°39 | 26° 7 | 19°25 | n.a. | F 16 |
| S 17 | 16 31 27 | 6°45'02 | 0♉26 | 19°39 | 16°37 | 0♉ 2 | 21°23 | 25°18 | 20°17 | 5°48 | 3°41 | 27°R40 | 26° 3 | 19°31 | n.a. | S 17 |
| S 18 | 16 35 23 | 7°42'25 | 12°51 | 21°18 | 17°50 | 0°41 | 21°34 | 25°23 | 20°20 | 5°48 | 3°43 | 27°38 | 26° 0 | 19°38 | n.a. | S 18 |
| M19 | 16 39 20 | 8°39'49 | 25°33 | 23° 1 | 19° 3 | 1°20 | 21°46 | 25°29 | 20°24 | 5°49 | 3°44 | 27°35 | 25°57 | 19°45 | n.a. | M19 |
| T 20 | 16 43 16 | 9°37'15 | 8♊33 | 24°47 | 20°16 | 1°59 | 21°57 | 25°35 | 20°27 | 5°49 | 3°46 | 27°31 | 25°54 | 19°51 | n.a. | T 20 |
| W21 | 16 47 13 | 10°34'42 | 21°49 | 26°36 | 21°30 | 2°38 | 22° 9 | 25°41 | 20°31 | 5°50 | 3°48 | 27°24 | 25°51 | 19°58 | n.a. | W21 |
| T 22 | 16 51 9 | 11°32'10 | 5♋22 | 28°29 | 22°43 | 3°18 | 22°20 | 25°47 | 20°34 | 5°50 | 3°50 | 27°17 | 25°47 | 20° 5 | n.a. | T 22 |
| F 23 | 16 55 6 | 12°29'39 | 19° 8 | 0♊23 | 23°56 | 3°57 | 22°31 | 25°53 | 20°38 | 5°51 | 3°52 | 27°10 | 25°44 | 20°11 | n.a. | F 23 |
| S 24 | 16 59 3 | 13°27'09 | 3♌ 4 | 2°21 | 25°10 | 4°36 | 22°42 | 25°59 | 20°41 | 5°52 | 3°54 | 27° 4 | 25°41 | 20°18 | n.a. | S 24 |
| S 25 | 17 2 59 | 14°24'41 | 17° 8 | 4°19 | 26°23 | 5°15 | 22°53 | 26° 5 | 20°44 | 5°52 | 3°56 | 26°59 | 25°38 | 20°25 | n.a. | S 25 |
| M26 | 17 6 56 | 15°22'13 | 1♍15 | 6°20 | 27°36 | 5°53 | 23° 4 | 26°11 | 20°48 | 5°53 | 3°57 | 26°56 | 25°35 | 20°31 | n.a. | M26 |
| T 27 | 17 10 52 | 16°19'46 | 15°25 | 8°21 | 28°50 | 6°32 | 23°15 | 26°17 | 20°51 | 5°54 | 3°59 | 26°D55 | 25°32 | 20°38 | n.a. | T 27 |
| W28 | 17 14 49 | 17°17'21 | 29°35 | 10°23 | 0♊ 3 | 7°11 | 23°25 | 26°23 | 20°55 | 5°54 | 4° 1 | 26°56 | 25°28 | 20°45 | n.a. | W28 |
| T 29 | 17 18 45 | 18°14'56 | 13♎43 | 12°26 | 1°17 | 7°50 | 23°36 | 26°29 | 20°58 | 5°55 | 4° 3 | 26°57 | 25°25 | 20°51 | n.a. | T 29 |
| F 30 | 17 22 42 | 19♊12'33 | 27♎49 | 14♊29 | 2♊31 | 8♉28 | 23♈46 | 26♋36 | 21♉ 1 | 5♏56 | 4♋ 5 | 26°R57 | 25♈22 | 20♓58 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n30 | 0n41 | 2n12 | 9n34 | 3s51 | 9n33 | 1s13 | 7n21 | 0s26 | 6n21 | 0s59 | 23n22 | 1n38 | 17n51 | 0s 4 | 11n27 | 2n 1 | 34n23 | 10n30 | 10n58 | 10n34 | 7s55 | | n.a. |
| F 2 | 18 45 | 6s15 | 0 56 | 9 47 | 3 44 | 10 1 | 1 11 | 7 37 | 0 25 | 6 26 | 0 59 | 23 21 | 1 38 | 17 52 | 0 4 | 11 27 | 2 1 | 34 23 | 10 30 | 10 59 | 10 33 | 7 52 | | n.a. |
| S 3 | 19 0 | 12 51 | 0s23 | 10 3 | 3 35 | 10 29 | 1 9 | 7 53 | 0 25 | 6 31 | 0 59 | 23 20 | 1 38 | 17 53 | 0 4 | 11 27 | 2 1 | 34 22 | 10 30 | 10 59 | 10 32 | 7 49 | | n.a. |
| S 4 | 19 14 | 18 43 | 1 40 | 10 21 | 3 26 | 10 57 | 1 7 | 8 9 | 0 24 | 6 35 | 0 59 | 23 19 | 1 38 | 17 54 | 0 4 | 11 27 | 2 1 | 34 22 | 10 29 | 10 59 | 10 31 | 7 46 | | n.a. |
| M 5 | 19 29 | 23 28 | 2 50 | 10 42 | 3 16 | 11 25 | 1 5 | 8 25 | 0 23 | 6 40 | 0 59 | 23 18 | 1 38 | 17 55 | 0 4 | 11 27 | 2 0 | 34 22 | 10 29 | 10 58 | 10 30 | 7 42 | | n.a. |
| T 6 | 19 42 | 26 47 | 3 48 | 11 5 | 3 6 | 11 52 | 1 3 | 8 40 | 0 23 | 6 45 | 0 59 | 23 17 | 1 38 | 17 56 | 0 4 | 11 27 | 2 0 | 34 22 | 10 29 | 10 56 | 10 29 | 7 39 | | n.a. |
| W 7 | 19 56 | 28 26 | 4 31 | 11 31 | 2 55 | 12 19 | 1 0 | 8 56 | 0 22 | 6 50 | 0 59 | 23 16 | 1 38 | 17 57 | 0 4 | 11 27 | 2 0 | 34 22 | 10 29 | 10 55 | 10 27 | 7 36 | | n.a. |
| T 8 | 20 9 | 28 25 | 4 59 | 11 58 | 2 43 | 12 46 | 0 58 | 9 12 | 0 22 | 6 54 | 0 59 | 23 15 | 1 38 | 17 58 | 0 4 | 11 27 | 2 0 | 34 22 | 10 29 | 10 53 | 10 26 | 7 32 | | n.a. |
| F 9 | 20 22 | 26 51 | 5 12 | 12 28 | 2 31 | 13 13 | 0 56 | 9 27 | 0 21 | 6 59 | 0 59 | 23 14 | 1 38 | 17 59 | 0 4 | 11 26 | 2 0 | 34 21 | 10 29 | 10 52 | 10 25 | 7 29 | | n.a. |
| S 10 | 20 35 | 24 0 | 5 9 | 13 0 | 2 18 | 13 39 | 0 54 | 9 42 | 0 20 | 7 4 | 0 59 | 23 13 | 1 37 | 18 0 | 0 4 | 11 26 | 2 0 | 34 21 | 10 29 | 10 50 | 10 24 | 7 26 | | n.a. |
| S 11 | 20 47 | 20 8 | 4 52 | 13 33 | 2 5 | 14 5 | 0 51 | 9 58 | 0 20 | 7 8 | 0 59 | 23 12 | 1 37 | 18 1 | 0 4 | 11 26 | 2 0 | 34 21 | 10 29 | 10 50 | 10 23 | 7 22 | | n.a. |
| M12 | 20 59 | 15 31 | 4 22 | 14 8 | 1 52 | 14 30 | 0 49 | 10 13 | 0 19 | 7 13 | 0 59 | 23 11 | 1 37 | 18 2 | 0 4 | 11 26 | 2 0 | 34 21 | 10 29 | 10 49 | 10 22 | 7 19 | | n.a. |
| T 13 | 21 10 | 10 23 | 3 41 | 14 44 | 1 38 | 14 56 | 0 47 | 10 28 | 0 18 | 7 17 | 0 59 | 23 10 | 1 37 | 18 3 | 0 4 | 11 26 | 2 0 | 34 21 | 10 28 | 10 49 | 10 20 | 7 16 | | n.a. |
| W14 | 21 21 | 4 53 | 2 51 | 15 21 | 1 25 | 15 21 | 0 44 | 10 43 | 0 18 | 7 22 | 0 59 | 23 9 | 1 37 | 18 4 | 0 4 | 11 26 | 2 0 | 34 21 | 10 28 | 10 50 | 10 19 | 7 12 | | n.a. |
| T 15 | 21 32 | 0n48 | 1 54 | 15 59 | 1 12 | 15 45 | 0 42 | 10 58 | 0 17 | 7 26 | 0 59 | 23 8 | 1 37 | 18 5 | 0 4 | 11 26 | 2 0 | 34 21 | 10 28 | 10 51 | 10 18 | 7 9 | | n.a. |
| F 16 | 21 43 | 6 31 | 0 51 | 16 38 | 0 58 | 16 9 | 0 39 | 11 13 | 0 17 | 7 31 | 0 59 | 23 7 | 1 37 | 18 6 | 0 4 | 11 25 | 2 0 | 34 20 | 10 28 | 10 51 | 10 17 | 7 6 | | n.a. |
| S 17 | 21 53 | 12 5 | 0n15 | 17 17 | 0 45 | 16 33 | 0 37 | 11 28 | 0 16 | 7 35 | 0 59 | 23 6 | 1 37 | 18 7 | 0 4 | 11 25 | 2 0 | 34 20 | 10 28 | 10 51 | 10 16 | 7 2 | | n.a. |
| S 18 | 22 2 | 17 18 | 1 22 | 17 57 | 0 32 | 16 57 | 0 34 | 11 42 | 0 15 | 7 40 | 0 59 | 23 5 | 1 37 | 18 8 | 0 4 | 11 25 | 2 0 | 34 20 | 10 28 | 10 51 | 10 15 | 6 59 | | n.a. |
| M19 | 22 12 | 21 53 | 2 25 | 18 36 | 0 19 | 17 20 | 0 32 | 11 57 | 0 15 | 7 44 | 0 59 | 23 4 | 1 37 | 18 9 | 0 4 | 11 25 | 2 0 | 34 20 | 10 28 | 10 50 | 10 13 | 6 56 | | n.a. |
| T 20 | 22 21 | 25 31 | 3 23 | 19 15 | 0 6 | 17 42 | 0 29 | 12 11 | 0 14 | 7 48 | 1 0 | 23 3 | 1 37 | 18 10 | 0 4 | 11 24 | 2 0 | 34 20 | 10 28 | 10 48 | 10 12 | 6 52 | | n.a. |
| W21 | 22 29 | 27 51 | 4 11 | 19 53 | 0n 6 | 18 4 | 0 27 | 12 26 | 0 13 | 7 52 | 1 0 | 23 1 | 1 37 | 18 11 | 0 4 | 11 24 | 1 59 | 34 20 | 10 28 | 10 46 | 10 11 | 6 49 | | n.a. |
| T 22 | 22 37 | 28 35 | 4 46 | 20 30 | 0 17 | 18 26 | 0 24 | 12 40 | 0 13 | 7 57 | 1 0 | 23 0 | 1 37 | 18 12 | 0 4 | 11 24 | 1 59 | 34 20 | 10 28 | 10 43 | 10 10 | 6 46 | | n.a. |
| F 23 | 22 45 | 27 33 | 5 5 | 21 6 | 0 28 | 18 47 | 0 22 | 12 54 | 0 12 | 8 1 | 1 0 | 22 59 | 1 37 | 18 13 | 0 4 | 11 24 | 1 59 | 34 20 | 10 28 | 10 40 | 10 9 | 6 42 | | n.a. |
| S 24 | 22 53 | 24 49 | 5 6 | 21 41 | 0 39 | 19 8 | 0 19 | 13 8 | 0 11 | 8 5 | 1 0 | 22 58 | 1 37 | 18 14 | 0 4 | 11 23 | 1 59 | 34 20 | 10 28 | 10 38 | 10 7 | 6 39 | | n.a. |
| S 25 | 23 0 | 20 36 | 4 49 | 22 14 | 0 48 | 19 28 | 0 17 | 13 22 | 0 11 | 8 9 | 1 0 | 22 57 | 1 37 | 18 15 | 0 4 | 11 23 | 1 59 | 34 20 | 10 28 | 10 36 | 10 6 | 6 36 | | n.a. |
| M26 | 23 6 | 15 12 | 4 15 | 22 45 | 0 57 | 19 48 | 0 14 | 13 36 | 0 10 | 8 13 | 1 0 | 22 55 | 1 37 | 18 15 | 0 4 | 11 23 | 1 59 | 34 19 | 10 28 | 10 35 | 10 5 | 6 32 | | n.a. |
| T 27 | 23 12 | 9 0 | 3 25 | 23 13 | 1 6 | 20 7 | 0 12 | 13 50 | 0 9 | 8 17 | 1 0 | 22 54 | 1 37 | 18 16 | 0 4 | 11 22 | 1 59 | 34 19 | 10 28 | 10 35 | 10 4 | 6 29 | | n.a. |
| W28 | 23 18 | 2 20 | 2 22 | 23 40 | 1 13 | 20 25 | 0 9 | 14 3 | 0 9 | 8 21 | 1 0 | 22 53 | 1 37 | 18 17 | 0 4 | 11 22 | 1 59 | 34 19 | 10 28 | 10 35 | 10 3 | 6 26 | | n.a. |
| T 29 | 23 24 | 4s26 | 1 11 | 24 4 | 1 20 | 20 44 | 0 7 | 14 17 | 0 8 | 8 25 | 1 0 | 22 52 | 1 37 | 18 18 | 0 4 | 11 22 | 1 59 | 34 19 | 10 28 | 10 35 | 10 2 | 6 22 | | n.a. |
| F 30 | 23n29 | 10s59 | 0s 5 | 24n26 | 1n26 | 21n 1 | 0s 4 | 14n30 | 0s 7 | 8n29 | 1s 0 | 22n50 | 1n37 | 18n19 | 0s 4 | 11n21 | 1n59 | 34n19 | 10n28 | 10n36 | 10n 0 | 6s19 | | n.a. |

Julian Day Number = 991804.5, Delta T = 13h01m35s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'48, Lahiri = -31°29'48 Julian Calendar 1 June 1998 BCE == Greg. Calendar 15 May 1998 BCE


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## JULY 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 26 38 | 20♊10'11 | 11♏51 | 16♊32 | 3♊44 | 9♉ 7 | 23♈57 | 26♋42 | 21♉ 5 | 5♍57 | 4♋ 7 | 26°R56 | 25♈19 | 21♓ 5 | n.a. | S 1 |
| S 2 | 17 30 35 | 21° 7'50 | 25°45 | 18°34 | 4°58 | 9°45 | 24° 7 | 26°48 | 21° 8 | 5°58 | 4° 9 | 26♈53 | 25°16 | 21°11 | n.a. | S 2 |
| M 3 | 17 34 32 | 22° 5'31 | 9♐30 | 20°36 | 6°12 | 10°24 | 24°17 | 26°55 | 21°11 | 5°58 | 4°11 | 26°48 | 25°13 | 21°18 | n.a. | M 3 |
| T 4 | 17 38 28 | 23° 3'14 | 23° 2 | 22°37 | 7°25 | 11° 2 | 24°27 | 27° 1 | 21°14 | 5°59 | 4°13 | 26°40 | 25° 9 | 21°25 | n.a. | T 4 |
| W 5 | 17 42 25 | 24° 0'58 | 6♑19 | 24°38 | 8°39 | 11°40 | 24°37 | 27° 8 | 21°18 | 6° 0 | 4°15 | 26°31 | 25° 6 | 21°31 | n.a. | W 5 |
| T 6 | 17 46 21 | 24°58'43 | 19°18 | 26°37 | 9°53 | 12°19 | 24°47 | 27°14 | 21°21 | 6° 1 | 4°17 | 26°21 | 25° 3 | 21°38 | n.a. | T 6 |
| F 7 | 17 50 18 | 25°56'31 | 2♒ 1 | 28°35 | 11° 7 | 12°57 | 24°57 | 27°21 | 21°24 | 6° 2 | 4°19 | 26°11 | 25° 0 | 21°45 | n.a. | F 7 |
| S 8 | 17 54 14 | 26°54'20 | 14°26 | 0♋33 | 12°21 | 13°35 | 25° 6 | 27°27 | 21°27 | 6° 3 | 4°21 | 26° 2 | 24°57 | 21°52 | n.a. | S 8 |
| S 9 | 17 58 11 | 27°52'11 | 26°36 | 2°29 | 13°35 | 14°13 | 25°16 | 27°34 | 21°30 | 6° 4 | 4°23 | 25°56 | 24°53 | 21°58 | n.a. | S 9 |
| M10 | 18 2 8 | 28°50'04 | 8♓35 | 4°23 | 14°49 | 14°51 | 25°25 | 27°41 | 21°33 | 6° 5 | 4°25 | 25°51 | 24°50 | 22° 5 | n.a. | M10 |
| T 11 | 18 6 4 | 29°47'59 | 20°27 | 6°17 | 16° 3 | 15°29 | 25°35 | 27°47 | 21°36 | 6° 7 | 4°26 | 25°49 | 24°47 | 22°12 | n.a. | T 11 |
| W12 | 18 10 1 | 0♋45'55 | 2♈16 | 8° 9 | 17°17 | 16° 7 | 25°44 | 27°54 | 21°39 | 6° 8 | 4°28 | 25°D49 | 24°44 | 22°18 | n.a. | W12 |
| T 13 | 18 13 57 | 1°43'54 | 14° 9 | 10° 0 | 18°31 | 16°45 | 25°53 | 28° 1 | 21°42 | 6° 9 | 4°30 | 25°49 | 24°41 | 22°25 | n.a. | T 13 |
| F 14 | 18 17 54 | 2°41'55 | 26° 9 | 11°50 | 19°45 | 17°23 | 26° 2 | 28° 8 | 21°45 | 6°10 | 4°32 | 25°R49 | 24°38 | 22°32 | n.a. | F 14 |
| S 15 | 18 21 50 | 3°39'58 | 8♉23 | 13°38 | 20°59 | 18° 1 | 26°11 | 28°15 | 21°48 | 6°11 | 4°34 | 25°49 | 24°34 | 22°38 | n.a. | S 15 |
| S 16 | 18 25 47 | 4°38'03 | 20°55 | 15°25 | 22°13 | 18°38 | 26°20 | 28°22 | 21°51 | 6°13 | 4°36 | 25°46 | 24°31 | 22°45 | n.a. | S 16 |
| M17 | 18 29 43 | 5°36'11 | 3♊48 | 17°11 | 23°28 | 19°16 | 26°28 | 28°28 | 21°54 | 6°14 | 4°38 | 25°41 | 24°28 | 22°52 | n.a. | M17 |
| T 18 | 18 33 40 | 6°34'20 | 17° 3 | 18°56 | 24°42 | 19°53 | 26°37 | 28°35 | 21°57 | 6°15 | 4°40 | 25°33 | 24°25 | 22°58 | n.a. | T 18 |
| W19 | 18 37 36 | 7°32'32 | 0♋41 | 20°39 | 25°56 | 20°31 | 26°45 | 28°42 | 22° 0 | 6°17 | 4°42 | 25°23 | 24°22 | 23° 5 | n.a. | W19 |
| T 20 | 18 41 33 | 8°30'45 | 14°39 | 22°21 | 27°11 | 21° 8 | 26°53 | 28°49 | 22° 3 | 6°18 | 4°44 | 25°12 | 24°19 | 23°12 | n.a. | T 20 |
| F 21 | 18 45 30 | 9°29'00 | 28°52 | 24° 2 | 28°25 | 21°46 | 27° 1 | 28°56 | 22° 5 | 6°19 | 4°46 | 25° 1 | 24°15 | 23°18 | n.a. | F 21 |
| S 22 | 18 49 26 | 10°27'17 | 13♌14 | 25°42 | 29°39 | 22°23 | 27° 9 | 29° 3 | 22° 8 | 6°21 | 4°48 | 24°51 | 24°12 | 23°25 | n.a. | S 22 |
| S 23 | 18 53 23 | 11°25'36 | 27°41 | 27°20 | 0♋54 | 23° 0 | 27°17 | 29°11 | 22°11 | 6°22 | 4°50 | 24°43 | 24° 9 | 23°32 | n.a. | S 23 |
| M24 | 18 57 19 | 12°23'56 | 12♍ 5 | 28°58 | 2° 8 | 23°37 | 27°25 | 29°18 | 22°13 | 6°24 | 4°52 | 24°38 | 24° 6 | 23°38 | n.a. | M24 |
| T 25 | 19 1 16 | 13°22'19 | 26°24 | 0♌34 | 3°23 | 24°14 | 27°32 | 29°25 | 22°16 | 6°25 | 4°54 | 24°35 | 24° 3 | 23°45 | n.a. | T 25 |
| W26 | 19 5 12 | 14°20'43 | 10♎34 | 2° 9 | 4°37 | 24°51 | 27°40 | 29°32 | 22°18 | 6°27 | 4°56 | 24°D34 | 23°59 | 23°52 | n.a. | W26 |
| T 27 | 19 9 9 | 15°19'08 | 24°34 | 3°42 | 5°52 | 25°28 | 27°47 | 29°39 | 22°21 | 6°28 | 4°58 | 24°R34 | 23°56 | 23°58 | n.a. | T 27 |
| F 28 | 19 13 5 | 16°17'36 | 8♏25 | 5°15 | 7° 7 | 26° 5 | 27°54 | 29°46 | 22°24 | 6°30 | 5° 0 | 24°34 | 23°53 | 24° 5 | n.a. | F 28 |
| S 29 | 19 17 2 | 17°16'05 | 22° 5 | 6°46 | 8°21 | 26°42 | 28° 1 | 29°53 | 22°26 | 6°31 | 5° 2 | 24°31 | 23°50 | 24°12 | n.a. | S 29 |
| S 30 | 19 20 59 | 18°14'36 | 5♐36 | 8°17 | 9°36 | 27°19 | 28° 8 | 0♌ 1 | 22°28 | 6°33 | 5° 4 | 24°27 | 23°47 | 24°18 | n.a. | S 30 |
| M31 | 19 24 55 | 19♋13'09 | 18♐56 | 9♌46 | 10♋51 | 27♉56 | 28♈14 | 0♌ 8 | 22♉31 | 6♍35 | 5♋ 6 | 24♈19 | 23♈44 | 24♓25 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n33 | 16s57 | 1s19 | 24n45 | 1n31 | 21n18 | 0s 2 | 14n43 | 0s 7 | 8n33 | 1s 0 | 22n49 | 1n36 | 18n20 | 0s 4 | 11n21 | 1n59 | 34n19 | 10n28 | 10n35 | 9n59 | 6s16 | | n.a. |
| S 2 | 23 37 | 21 59 | 2 28 | 25 1 | 1 36 | 21 34 | 0n 1 | 14 56 | 0 6 | 8 37 | 1 0 | 22 48 | 1 36 | 18 21 | 0 4 | 11 21 | 1 59 | 34 19 | 10 28 | 10 34 | 9 58 | 6 12 | | n.a. |
| M 3 | 23 41 | 25 44 | 3 27 | 25 15 | 1 40 | 21 50 | 0 3 | 15 9 | 0 5 | 8 40 | 1 0 | 22 47 | 1 36 | 18 22 | 0 4 | 11 20 | 1 59 | 34 19 | 10 28 | 10 32 | 9 57 | 6 9 | | n.a. |
| T 4 | 23 44 | 27 58 | 4 14 | 25 26 | 1 43 | 22 5 | 0 6 | 15 22 | 0 5 | 8 44 | 1 0 | 22 45 | 1 36 | 18 23 | 0 4 | 11 20 | 1 59 | 34 19 | 10 28 | 10 29 | 9 56 | 6 6 | | n.a. |
| W 5 | 23 47 | 28 32 | 4 46 | 25 34 | 1 45 | 22 20 | 0 8 | 15 35 | 0 4 | 8 48 | 1 0 | 22 44 | 1 36 | 18 24 | 0 4 | 11 19 | 1 59 | 34 19 | 10 28 | 10 26 | 9 54 | 6 2 | | n.a. |
| T 6 | 23 50 | 27 29 | 5 2 | 25 40 | 1 47 | 22 34 | 0 11 | 15 48 | 0 3 | 8 51 | 1 0 | 22 43 | 1 36 | 18 24 | 0 4 | 11 19 | 1 59 | 34 19 | 10 28 | 10 22 | 9 53 | 5 59 | | n.a. |
| F 7 | 23 52 | 25 1 | 5 3 | 25 43 | 1 48 | 22 47 | 0 13 | 16 0 | 0 2 | 8 55 | 1 0 | 22 41 | 1 36 | 18 25 | 0 4 | 11 19 | 1 59 | 34 19 | 10 28 | 10 18 | 9 52 | 5 55 | | n.a. |
| S 8 | 23 53 | 21 26 | 4 49 | 25 44 | 1 49 | 23 0 | 0 16 | 16 13 | 0 2 | 8 59 | 1 0 | 22 40 | 1 36 | 18 26 | 0 4 | 11 18 | 1 58 | 34 19 | 10 28 | 10 15 | 9 51 | 5 52 | | n.a. |
| S 9 | 23 54 | 16 59 | 4 22 | 25 43 | 1 49 | 23 11 | 0 18 | 16 25 | 0 1 | 9 2 | 1 0 | 22 39 | 1 36 | 18 27 | 0 4 | 11 18 | 1 58 | 34 19 | 10 28 | 10 13 | 9 50 | 5 49 | | n.a. |
| M10 | 23 55 | 11 58 | 3 44 | 25 39 | 1 48 | 23 23 | 0 20 | 16 37 | 0 0 | 9 5 | 1 1 | 22 37 | 1 36 | 18 28 | 0 4 | 11 17 | 1 58 | 34 19 | 10 28 | 10 11 | 9 49 | 5 45 | | n.a. |
| T 11 | 23 56 | 6 33 | 2 57 | 25 33 | 1 47 | 23 33 | 0 23 | 16 49 | 0n 0 | 9 9 | 1 1 | 22 36 | 1 36 | 18 29 | 0 4 | 11 17 | 1 58 | 34 19 | 10 28 | 10 10 | 9 47 | 5 42 | | n.a. |
| W12 | 23 55 | 0 56 | 2 2 | 25 25 | 1 45 | 23 43 | 0 25 | 17 1 | 0 1 | 9 12 | 1 1 | 22 34 | 1 36 | 18 29 | 0 4 | 11 16 | 1 58 | 34 19 | 10 28 | 10 10 | 9 46 | 5 39 | | n.a. |
| T 13 | 23 55 | 4n44 | 1 2 | 25 15 | 1 43 | 23 52 | 0 27 | 17 13 | 0 2 | 9 15 | 1 1 | 22 33 | 1 36 | 18 30 | 0 4 | 11 16 | 1 58 | 34 19 | 10 28 | 10 10 | 9 45 | 5 35 | | n.a. |
| F 14 | 23 54 | 10 20 | 0n 2 | 25 3 | 1 40 | 24 1 | 0 30 | 17 24 | 0 3 | 9 19 | 1 1 | 22 32 | 1 36 | 18 31 | 0 4 | 11 15 | 1 58 | 34 19 | 10 28 | 10 11 | 9 44 | 5 32 | | n.a. |
| S 15 | 23 52 | 15 38 | 1 6 | 24 49 | 1 37 | 24 9 | 0 32 | 17 36 | 0 3 | 9 22 | 1 1 | 22 30 | 1 36 | 18 32 | 0 4 | 11 15 | 1 58 | 34 19 | 10 28 | 10 10 | 9 43 | 5 28 | | n.a. |
| S 16 | 23 51 | 20 25 | 2 9 | 24 33 | 1 33 | 24 16 | 0 34 | 17 47 | 0 4 | 9 25 | 1 1 | 22 29 | 1 36 | 18 33 | 0 3 | 11 14 | 1 58 | 34 18 | 10 28 | 10 9 | 9 41 | 5 25 | | n.a. |
| M17 | 23 48 | 24 24 | 3 7 | 24 16 | 1 29 | 24 22 | 0 36 | 17 58 | 0 5 | 9 28 | 1 1 | 22 27 | 1 36 | 18 33 | 0 3 | 11 14 | 1 58 | 34 18 | 10 28 | 10 7 | 9 40 | 5 22 | | n.a. |
| T 18 | 23 46 | 27 12 | 3 57 | 23 58 | 1 25 | 24 28 | 0 39 | 18 9 | 0 5 | 9 31 | 1 1 | 22 26 | 1 36 | 18 34 | 0 3 | 11 13 | 1 58 | 34 18 | 10 28 | 10 5 | 9 39 | 5 18 | | n.a. |
| W19 | 23 42 | 28 30 | 4 34 | 23 38 | 1 20 | 24 32 | 0 41 | 18 20 | 0 6 | 9 34 | 1 1 | 22 24 | 1 36 | 18 35 | 0 3 | 11 13 | 1 58 | 34 19 | 10 29 | 10 1 | 9 38 | 5 15 | | n.a. |
| T 20 | 23 39 | 28 0 | 4 56 | 23 16 | 1 15 | 24 36 | 0 43 | 18 31 | 0 7 | 9 37 | 1 1 | 22 23 | 1 36 | 18 36 | 0 3 | 11 12 | 1 58 | 34 19 | 10 29 | 9 57 | 9 37 | 5 12 | | n.a. |
| F 21 | 23 35 | 25 42 | 5 1 | 22 53 | 1 10 | 24 40 | 0 45 | 18 42 | 0 8 | 9 40 | 1 1 | 22 21 | 1 36 | 18 36 | 0 3 | 11 11 | 1 58 | 34 19 | 10 29 | 9 53 | 9 35 | 5 8 | | n.a. |
| S 22 | 23 30 | 21 44 | 4 46 | 22 30 | 1 5 | 24 42 | 0 47 | 18 52 | 0 8 | 9 43 | 1 1 | 22 20 | 1 36 | 18 37 | 0 3 | 11 11 | 1 58 | 34 19 | 10 29 | 9 49 | 9 34 | 5 5 | | n.a. |
| S 23 | 23 25 | 16 28 | 4 13 | 22 5 | 0 59 | 24 44 | 0 49 | 19 3 | 0 9 | 9 46 | 1 1 | 22 18 | 1 36 | 18 38 | 0 3 | 11 10 | 1 58 | 34 19 | 10 29 | 9 46 | 9 33 | 5 1 | | n.a. |
| M24 | 23 20 | 10 18 | 3 25 | 21 39 | 0 53 | 24 45 | 0 51 | 19 13 | 0 10 | 9 48 | 1 2 | 22 17 | 1 36 | 18 38 | 0 3 | 11 10 | 1 58 | 34 19 | 10 29 | 9 44 | 9 32 | 4 58 | | n.a. |
| T 25 | 23 14 | 3 39 | 2 23 | 21 12 | 0 46 | 24 46 | 0 53 | 19 23 | 0 11 | 9 51 | 1 2 | 22 15 | 1 36 | 18 39 | 0 3 | 11 9 | 1 58 | 34 19 | 10 29 | 9 43 | 9 31 | 4 55 | | n.a. |
| W26 | 23 8 | 3s 9 | 1 13 | 20 44 | 0 40 | 24 45 | 0 54 | 19 33 | 0 12 | 9 54 | 1 2 | 22 14 | 1 36 | 18 40 | 0 3 | 11 8 | 1 58 | 34 19 | 10 29 | 9 42 | 9 29 | 4 51 | | n.a. |
| T 27 | 23 2 | 9 42 | 0s 0 | 20 15 | 0 33 | 24 44 | 0 56 | 19 43 | 0 12 | 9 56 | 1 2 | 22 12 | 1 36 | 18 40 | 0 3 | 11 8 | 1 57 | 34 19 | 10 29 | 9 42 | 9 28 | 4 48 | | n.a. |
| F 28 | 22 55 | 15 44 | 1 13 | 19 46 | 0 26 | 24 42 | 0 58 | 19 53 | 0 13 | 9 59 | 1 2 | 22 11 | 1 36 | 18 41 | 0 3 | 11 7 | 1 57 | 34 19 | 10 30 | 9 42 | 9 27 | 4 44 | | n.a. |
| S 29 | 22 47 | 20 55 | 2 20 | 19 16 | 0 19 | 24 39 | 1 0 | 20 2 | 0 14 | 10 1 | 1 2 | 22 9 | 1 37 | 18 42 | 0 3 | 11 7 | 1 57 | 34 19 | 10 30 | 9 41 | 9 26 | 4 41 | | n.a. |
| S 30 | 22 39 | 24 56 | 3 19 | 18 45 | 0 12 | 24 35 | 1 1 | 20 12 | 0 15 | 10 4 | 1 2 | 22 8 | 1 37 | 18 42 | 0 3 | 11 6 | 1 57 | 34 19 | 10 30 | 9 40 | 9 25 | 4 38 | | n.a. |
| M31 | 22n31 | 27s32 | 4s 5 | 18n14 | 0n 4 | 24n31 | 1n 3 | 20n21 | 0n15 | 10n 6 | 1s 2 | 22n 6 | 1n37 | 18n43 | 0s 3 | 11n 5 | 1n57 | 34n19 | 10n30 | 9n37 | 9n24 | 4s34 | | n.a. |

Julian Day Number = 991834.5, Delta T = 13h01m33s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'44, Lahiri = -31°29'44 Julian Calendar 1 July 1998 BCE == Greg. Calendar 14 June 1998 BCE

The year -1997 astronomical counting style corresponds to year 1998 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## AUGUST 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 28 52 | 20♋11'44 | 2♉ 6 | 11♌14 | 12♋ 5 | 28♉32 | 28♈21 | 0♌15 | 22♉33 | 6♍36 | 5♋ 8 | 24°R 9 | 23♈40 | 24♓32 | n.a. | T 1 |
| W 2 | 19 32 48 | 21°10'21 | 15° 3 | 12°41 | 13°20 | 29° 9 | 28°27 | 0°22 | 22°35 | 6°38 | 5°10 | 23♈56 | 23°37 | 24°38 | n.a. | W 2 |
| T 3 | 19 36 45 | 22° 9'00 | 27°47 | 14° 6 | 14°35 | 29°45 | 28°33 | 0°30 | 22°38 | 6°40 | 5°12 | 23°43 | 23°34 | 24°45 | n.a. | T 3 |
| F 4 | 19 40 41 | 23° 7'41 | 10♒18 | 15°31 | 15°50 | 0♊22 | 28°39 | 0°37 | 22°40 | 6°42 | 5°13 | 23°30 | 23°31 | 24°52 | n.a. | F 4 |
| S 5 | 19 44 38 | 24° 6'25 | 22°35 | 16°54 | 17° 4 | 0°58 | 28°45 | 0°44 | 22°42 | 6°43 | 5°15 | 23°18 | 23°28 | 24°58 | n.a. | S 5 |
| S 6 | 19 48 34 | 25° 5'10 | 4♓41 | 18°16 | 18°19 | 1°34 | 28°51 | 0°51 | 22°44 | 6°45 | 5°17 | 23° 8 | 23°25 | 25° 5 | n.a. | S 6 |
| M 7 | 19 52 31 | 26° 3'58 | 16°37 | 19°36 | 19°34 | 2°10 | 28°56 | 0°59 | 22°46 | 6°47 | 5°19 | 23° 1 | 23°21 | 25°12 | n.a. | M 7 |
| T 8 | 19 56 27 | 27° 2'48 | 28°26 | 20°56 | 20°49 | 2°47 | 29° 2 | 1° 6 | 22°48 | 6°49 | 5°21 | 22°57 | 23°18 | 25°18 | n.a. | T 8 |
| W 9 | 20 0 24 | 28° 1'41 | 10♈14 | 22°13 | 22° 4 | 3°23 | 29° 7 | 1°13 | 22°50 | 6°50 | 5°23 | 22°55 | 23°15 | 25°25 | n.a. | W 9 |
| T 10 | 20 4 21 | 29° 0'36 | 22° 4 | 23°30 | 23°19 | 3°59 | 29°12 | 1°21 | 22°52 | 6°52 | 5°25 | 22°55 | 23°12 | 25°32 | n.a. | T 10 |
| F 11 | 20 8 17 | 29°59'34 | 4♉ 3 | 24°45 | 24°34 | 4°35 | 29°17 | 1°28 | 22°54 | 6°54 | 5°27 | 22°55 | 23° 9 | 25°38 | n.a. | F 11 |
| S 12 | 20 12 14 | 0♌58'34 | 16°16 | 25°58 | 25°49 | 5°10 | 29°22 | 1°35 | 22°56 | 6°56 | 5°28 | 22°54 | 23° 5 | 25°45 | n.a. | S 12 |
| S 13 | 20 16 10 | 1°57'37 | 28°48 | 27° 9 | 27° 4 | 5°46 | 29°26 | 1°43 | 22°58 | 6°58 | 5°30 | 22°52 | 23° 2 | 25°51 | n.a. | S 13 |
| M14 | 20 20 7 | 2°56'42 | 11♊44 | 28°19 | 28°19 | 6°22 | 29°31 | 1°50 | 23° 0 | 7° 0 | 5°32 | 22°47 | 22°59 | 25°58 | n.a. | M14 |
| T 15 | 20 24 3 | 3°55'50 | 25° 6 | 29°27 | 29°34 | 6°57 | 29°35 | 1°57 | 23° 1 | 7° 2 | 5°34 | 22°39 | 22°56 | 26° 5 | n.a. | T 15 |
| W16 | 20 28 0 | 4°55'00 | 8♋55 | 0♍32 | 0♌49 | 7°33 | 29°39 | 2° 5 | 23° 3 | 7° 4 | 5°36 | 22°29 | 22°53 | 26°11 | n.a. | W16 |
| T 17 | 20 31 56 | 5°54'12 | 23°10 | 1°36 | 2° 5 | 8° 8 | 29°42 | 2°12 | 23° 5 | 7° 6 | 5°37 | 22°18 | 22°50 | 26°18 | n.a. | T 17 |
| F 18 | 20 35 53 | 6°53'27 | 7♌44 | 2°37 | 3°20 | 8°44 | 29°46 | 2°19 | 23° 6 | 7° 8 | 5°39 | 22° 7 | 22°46 | 26°25 | n.a. | F 18 |
| S 19 | 20 39 50 | 7°52'44 | 22°31 | 3°36 | 4°35 | 9°19 | 29°50 | 2°26 | 23° 8 | 7°10 | 5°41 | 21°56 | 22°43 | 26°31 | n.a. | S 19 |
| S 20 | 20 43 46 | 8°52'03 | 7♍23 | 4°31 | 5°50 | 9°54 | 29°53 | 2°34 | 23° 9 | 7°12 | 5°43 | 21°48 | 22°40 | 26°38 | n.a. | S 20 |
| M21 | 20 47 43 | 9°51'24 | 22°11 | 5°24 | 7° 5 | 10°29 | 29°56 | 2°41 | 23°11 | 7°14 | 5°44 | 21°42 | 22°37 | 26°45 | n.a. | M21 |
| T 22 | 20 51 39 | 10°50'47 | 6♎48 | 6°13 | 8°20 | 11° 4 | 29°59 | 2°48 | 23°12 | 7°16 | 5°46 | 21°40 | 22°34 | 26°51 | n.a. | T 22 |
| W23 | 20 55 36 | 11°50'11 | 21°10 | 6°59 | 9°36 | 11°39 | 0♉ 1 | 2°56 | 23°13 | 7°18 | 5°48 | 21°D39 | 22°31 | 26°58 | n.a. | W23 |
| T 24 | 20 59 32 | 12°49'38 | 5♏15 | 7°41 | 10°51 | 12°14 | 0° 4 | 3° 3 | 23°15 | 7°20 | 5°49 | 21°39 | 22°27 | 27° 5 | n.a. | T 24 |
| F 25 | 21 3 29 | 13°49'07 | 19° 2 | 8°19 | 12° 6 | 12°49 | 0° 6 | 3°10 | 23°16 | 7°22 | 5°51 | 21°R39 | 22°24 | 27°11 | n.a. | F 25 |
| S 26 | 21 7 25 | 14°48'38 | 2♐32 | 8°51 | 13°22 | 13°23 | 0° 8 | 3°17 | 23°17 | 7°24 | 5°52 | 21°38 | 22°21 | 27°18 | n.a. | S 26 |
| S 27 | 21 11 22 | 15°48'10 | 15°48 | 9°19 | 14°37 | 13°58 | 0°10 | 3°24 | 23°18 | 7°26 | 5°54 | 21°34 | 22°18 | 27°25 | n.a. | S 27 |
| M28 | 21 15 18 | 16°47'45 | 28°49 | 9°41 | 15°52 | 14°32 | 0°12 | 3°32 | 23°19 | 7°29 | 5°56 | 21°28 | 22°15 | 27°31 | n.a. | M28 |
| T 29 | 21 19 15 | 17°47'22 | 11♑38 | 9°57 | 17° 7 | 15° 7 | 0°14 | 3°39 | 23°20 | 7°31 | 5°57 | 21°19 | 22°11 | 27°38 | n.a. | T 29 |
| W30 | 21 23 12 | 18°47'01 | 24°16 | 10° 7 | 18°23 | 15°41 | 0°15 | 3°46 | 23°21 | 7°33 | 5°59 | 21° 8 | 22° 8 | 27°45 | n.a. | W30 |
| T 31 | 21 27 8 | 19♌46'41 | 6♒43 | 10°R 9 | 19♌38 | 16♊15 | 0♉16 | 3♌53 | 23♉22 | 7♍35 | 6♋ 0 | 20♈57 | 22♈ 5 | 27♓51 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 22n22 | 28s33 | 4s38 | 17n42 | 0s 3 | 24n26 | 1n 5 | 20n30 | 0n16 | 10n 8 | 1s 2 | 22n 5 | 1n37 | 18n44 | 0s 3 | 11n 5 | 1n57 | 34n19 | 10n30 | 9n33 | 9n22 | 4s31 | | | n.a. |
| W 2 | 22 13 | 27 58 | 4 56 | 17 10 | 0 11 | 24 20 | 1 6 | 20 39 | 0 17 | 10 10 | 1 2 | 22 3 | 1 37 | 18 44 | 0 3 | 11 4 | 1 57 | 34 19 | 10 30 | 9 28 | 9 21 | 4 27 | | | n.a. |
| T 3 | 22 4 | 25 54 | 4 59 | 16 38 | 0 19 | 24 14 | 1 7 | 20 48 | 0 18 | 10 13 | 1 2 | 22 2 | 1 37 | 18 45 | 0 3 | 11 3 | 1 57 | 34 19 | 10 30 | 9 23 | 9 20 | 4 24 | | | n.a. |
| F 4 | 21 54 | 22 37 | 4 47 | 16 5 | 0 27 | 24 6 | 1 9 | 20 57 | 0 19 | 10 15 | 1 2 | 22 0 | 1 37 | 18 45 | 0 3 | 11 2 | 1 57 | 34 19 | 10 31 | 9 18 | 9 19 | 4 21 | | | n.a. |
| S 5 | 21 44 | 18 23 | 4 22 | 15 32 | 0 35 | 23 58 | 1 10 | 21 5 | 0 19 | 10 17 | 1 3 | 21 58 | 1 37 | 18 46 | 0 3 | 11 2 | 1 57 | 34 19 | 10 31 | 9 14 | 9 18 | 4 17 | | | n.a. |
| S 6 | 21 33 | 13 28 | 3 46 | 14 59 | 0 43 | 23 49 | 1 11 | 21 14 | 0 20 | 10 19 | 1 3 | 21 57 | 1 37 | 18 47 | 0 3 | 11 1 | 1 57 | 34 19 | 10 31 | 9 10 | 9 16 | 4 14 | | | n.a. |
| M 7 | 21 22 | 8 8 | 2 59 | 14 26 | 0 51 | 23 40 | 1 13 | 21 22 | 0 21 | 10 21 | 1 3 | 21 55 | 1 37 | 18 47 | 0 3 | 11 0 | 1 57 | 34 20 | 10 31 | 9 8 | 9 15 | 4 10 | | | n.a. |
| T 8 | 21 10 | 2 33 | 2 6 | 13 53 | 0 59 | 23 30 | 1 14 | 21 30 | 0 22 | 10 22 | 1 3 | 21 54 | 1 37 | 18 48 | 0 3 | 11 0 | 1 57 | 34 20 | 10 31 | 9 6 | 9 14 | 4 7 | | | n.a. |
| W 9 | 20 59 | 3n 7 | 1 7 | 13 20 | 1 7 | 23 19 | 1 15 | 21 38 | 0 23 | 10 24 | 1 3 | 21 52 | 1 37 | 18 48 | 0 3 | 10 59 | 1 57 | 34 20 | 10 31 | 9 5 | 9 13 | 4 4 | | | n.a. |
| T 10 | 20 46 | 8 42 | 0 4 | 12 47 | 1 16 | 23 7 | 1 16 | 21 46 | 0 24 | 10 26 | 1 3 | 21 50 | 1 37 | 18 49 | 0 3 | 10 58 | 1 57 | 34 20 | 10 32 | 9 5 | 9 12 | 4 0 | | | n.a. |
| F 11 | 20 34 | 14 3 | 0n59 | 12 14 | 1 24 | 22 54 | 1 17 | 21 53 | 0 24 | 10 28 | 1 3 | 21 49 | 1 37 | 18 49 | 0 3 | 10 57 | 1 57 | 34 20 | 10 32 | 9 5 | 9 10 | 3 57 | | | n.a. |
| S 12 | 20 21 | 18 57 | 2 0 | 11 41 | 1 32 | 22 41 | 1 18 | 22 1 | 0 25 | 10 29 | 1 3 | 21 47 | 1 37 | 18 50 | 0 3 | 10 57 | 1 57 | 34 20 | 10 32 | 9 5 | 9 9 | 3 53 | | | n.a. |
| S 13 | 20 8 | 23 11 | 2 58 | 11 9 | 1 40 | 22 27 | 1 19 | 22 8 | 0 26 | 10 31 | 1 3 | 21 46 | 1 37 | 18 50 | 0 3 | 10 56 | 1 57 | 34 20 | 10 32 | 9 4 | 9 8 | 3 50 | | | n.a. |
| M14 | 19 54 | 26 25 | 3 48 | 10 37 | 1 48 | 22 13 | 1 20 | 22 15 | 0 27 | 10 32 | 1 3 | 21 44 | 1 37 | 18 51 | 0 3 | 10 55 | 1 57 | 34 20 | 10 32 | 9 2 | 9 7 | 3 47 | | | n.a. |
| T 15 | 19 40 | 28 17 | 4 28 | 10 5 | 1 56 | 21 58 | 1 20 | 22 22 | 0 28 | 10 34 | 1 3 | 21 42 | 1 37 | 18 51 | 0 3 | 10 54 | 1 57 | 34 20 | 10 33 | 8 59 | 9 6 | 3 43 | | | n.a. |
| W16 | 19 25 | 28 29 | 4 53 | 9 34 | 2 4 | 21 42 | 1 21 | 22 29 | 0 29 | 10 35 | 1 4 | 21 41 | 1 37 | 18 52 | 0 3 | 10 54 | 1 57 | 34 21 | 10 33 | 8 55 | 9 4 | 3 40 | | | n.a. |
| T 17 | 19 11 | 26 50 | 5 1 | 9 4 | 2 12 | 21 25 | 1 22 | 22 36 | 0 30 | 10 36 | 1 4 | 21 39 | 1 37 | 18 52 | 0 3 | 10 53 | 1 57 | 34 21 | 10 33 | 8 51 | 9 3 | 3 36 | | | n.a. |
| F 18 | 18 56 | 23 22 | 4 50 | 8 35 | 2 20 | 21 8 | 1 22 | 22 42 | 0 30 | 10 37 | 1 4 | 21 37 | 1 38 | 18 52 | 0 3 | 10 52 | 1 57 | 34 21 | 10 33 | 8 47 | 9 2 | 3 33 | | | n.a. |
| S 19 | 18 40 | 18 22 | 4 20 | 8 6 | 2 27 | 20 51 | 1 23 | 22 49 | 0 31 | 10 39 | 1 4 | 21 36 | 1 38 | 18 53 | 0 3 | 10 51 | 1 57 | 34 21 | 10 34 | 8 43 | 9 1 | 3 29 | | | n.a. |
| S 20 | 18 24 | 12 14 | 3 32 | 7 39 | 2 35 | 20 32 | 1 23 | 22 55 | 0 32 | 10 40 | 1 4 | 21 34 | 1 38 | 18 53 | 0 3 | 10 51 | 1 57 | 34 21 | 10 34 | 8 40 | 9 0 | 3 26 | | | n.a. |
| M21 | 18 8 | 5 27 | 2 30 | 7 13 | 2 42 | 20 13 | 1 24 | 23 1 | 0 33 | 10 41 | 1 4 | 21 33 | 1 38 | 18 54 | 0 3 | 10 50 | 1 57 | 34 21 | 10 34 | 8 38 | 8 58 | 3 23 | | | n.a. |
| T 22 | 17 52 | 1s34 | 1 18 | 6 48 | 2 49 | 19 54 | 1 24 | 23 7 | 0 34 | 10 42 | 1 4 | 21 31 | 1 38 | 18 54 | 0 3 | 10 49 | 1 57 | 34 21 | 10 34 | 8 37 | 8 57 | 3 19 | | | n.a. |
| W23 | 17 35 | 8 23 | 0 3 | 6 25 | 2 55 | 19 34 | 1 24 | 23 13 | 0 35 | 10 43 | 1 4 | 21 29 | 1 38 | 18 54 | 0 3 | 10 48 | 1 57 | 34 22 | 10 35 | 8 36 | 8 56 | 3 16 | | | n.a. |
| T 24 | 17 18 | 14 39 | 1s12 | 6 4 | 3 1 | 19 13 | 1 24 | 23 19 | 0 36 | 10 43 | 1 4 | 21 28 | 1 38 | 18 55 | 0 3 | 10 47 | 1 57 | 34 22 | 10 35 | 8 36 | 8 55 | 3 12 | | | n.a. |
| F 25 | 17 1 | 20 4 | 2 20 | 5 44 | 3 7 | 18 52 | 1 24 | 23 24 | 0 37 | 10 44 | 1 4 | 21 26 | 1 38 | 18 55 | 0 3 | 10 46 | 1 57 | 34 22 | 10 35 | 8 36 | 8 54 | 3 9 | | | n.a. |
| S 26 | 16 43 | 24 21 | 3 19 | 5 27 | 3 12 | 18 30 | 1 24 | 23 30 | 0 38 | 10 45 | 1 5 | 21 24 | 1 38 | 18 55 | 0 3 | 10 46 | 1 57 | 34 22 | 10 35 | 8 36 | 8 52 | 3 5 | | | n.a. |
| S 27 | 16 25 | 27 14 | 4 7 | 5 13 | 3 16 | 18 7 | 1 24 | 23 35 | 0 39 | 10 45 | 1 5 | 21 23 | 1 38 | 18 56 | 0 3 | 10 45 | 1 56 | 34 22 | 10 36 | 8 34 | 8 51 | 3 2 | | | n.a. |
| M28 | 16 7 | 28 35 | 4 40 | 5 1 | 3 20 | 17 44 | 1 24 | 23 40 | 0 39 | 10 46 | 1 5 | 21 21 | 1 38 | 18 56 | 0 3 | 10 44 | 1 56 | 34 23 | 10 36 | 8 32 | 8 50 | 2 59 | | | n.a. |
| T 29 | 15 49 | 28 22 | 4 59 | 4 52 | 3 23 | 17 21 | 1 24 | 23 45 | 0 40 | 10 46 | 1 5 | 21 20 | 1 38 | 18 56 | 0 3 | 10 43 | 1 56 | 34 23 | 10 36 | 8 29 | 8 49 | 2 55 | | | n.a. |
| W30 | 15 30 | 26 40 | 5 3 | 4 47 | 3 25 | 16 57 | 1 24 | 23 49 | 0 41 | 10 47 | 1 5 | 21 18 | 1 39 | 18 56 | 0 3 | 10 42 | 1 56 | 34 23 | 10 36 | 8 25 | 8 47 | 2 52 | | | n.a. |
| T 31 | 15n11 | 23s40 | 4s52 | 4n45 | 3s26 | 16n33 | 1n24 | 23n54 | 0n42 | 10n47 | 1s 5 | 21n16 | 1n39 | 18n57 | 0s 3 | 10n41 | 1n56 | 34n23 | 10n37 | 8n20 | 8n46 | 2s48 | | | n.a. |

Julian Day Number = 991865.5, Delta T = 13h01m30s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'40, Lahiri = -31°29'40 Julian Calendar 1 Aug. 1998 BCE == Greg. Calendar 15 July 1998 BCE

The year -1997 astronomical counting style corresponds to year 1998 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## SEPTEMBER 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 31 5 | 20♌46'24 | 19♒ 0 | 10°R 4 | 20♌54 | 16♊49 | 0♉17 | 4♌ 0 | 23♉23 | 7♍37 | 6♋ 2 | 20°R45 | 22♈ 2 | 27♓58 | n.a. | F 1 |
| S 2 | 21 35 1 | 21°46'09 | 1♓ 7 | 9♍50 | 22° 9 | 17°23 | 0°18 | 4° 7 | 23°24 | 7°39 | 6° 3 | 20♈35 | 21°59 | 28° 5 | n.a. | S 2 |
| S 3 | 21 38 58 | 22°45'56 | 13° 5 | 9°29 | 23°24 | 17°57 | 0°18 | 4°14 | 23°25 | 7°41 | 6° 5 | 20°26 | 21°56 | 28°11 | n.a. | S 3 |
| M 4 | 21 42 54 | 23°45'45 | 24°57 | 8°58 | 24°40 | 18°31 | 0°19 | 4°21 | 23°25 | 7°44 | 6° 6 | 20°21 | 21°52 | 28°18 | n.a. | M 4 |
| T 5 | 21 46 51 | 24°45'37 | 6♈44 | 8°19 | 25°55 | 19° 5 | 0°R19 | 4°28 | 23°26 | 7°46 | 6° 8 | 20°17 | 21°49 | 28°25 | n.a. | T 5 |
| W 6 | 21 50 47 | 25°45'30 | 18°30 | 7°32 | 27°10 | 19°38 | 0°19 | 4°35 | 23°27 | 7°48 | 6° 9 | 20°D16 | 21°46 | 28°31 | n.a. | W 6 |
| T 7 | 21 54 44 | 26°45'27 | 0♉20 | 6°36 | 28°26 | 20°12 | 0°19 | 4°42 | 23°27 | 7°50 | 6°11 | 20°17 | 21°43 | 28°38 | n.a. | T 7 |
| F 8 | 21 58 40 | 27°45'25 | 12°18 | 5°33 | 29°41 | 20°45 | 0°18 | 4°49 | 23°28 | 7°52 | 6°12 | 20°18 | 21°40 | 28°45 | n.a. | F 8 |
| S 9 | 22 2 37 | 28°45'26 | 24°28 | 4°24 | 0♍57 | 21°19 | 0°17 | 4°56 | 23°28 | 7°55 | 6°13 | 20°R19 | 21°37 | 28°51 | n.a. | S 9 |
| S 10 | 22 6 34 | 29°45'30 | 6♊56 | 3°11 | 2°12 | 21°52 | 0°17 | 5° 3 | 23°28 | 7°57 | 6°15 | 20°18 | 21°33 | 28°58 | n.a. | S 10 |
| M11 | 22 10 30 | 0♍45'35 | 19°48 | 1°55 | 3°28 | 22°25 | 0°16 | 5°10 | 23°29 | 7°59 | 6°16 | 20°16 | 21°30 | 29° 5 | n.a. | M11 |
| T 12 | 22 14 27 | 1°45'43 | 3♋ 7 | 0°39 | 4°43 | 22°58 | 0°14 | 5°17 | 23°29 | 8° 1 | 6°17 | 20°13 | 21°27 | 29°11 | n.a. | T 12 |
| W13 | 22 18 23 | 2°45'54 | 16°54 | 29♌24 | 5°59 | 23°31 | 0°13 | 5°24 | 23°29 | 8° 4 | 6°18 | 20° 7 | 21°24 | 29°18 | n.a. | W13 |
| T 14 | 22 22 20 | 3°46'06 | 1♌11 | 28°15 | 7°14 | 24° 3 | 0°11 | 5°30 | 23°29 | 8° 6 | 6°20 | 20° 0 | 21°21 | 29°25 | n.a. | T 14 |
| F 15 | 22 26 16 | 4°46'21 | 15°52 | 27°11 | 8°29 | 24°36 | 0° 9 | 5°37 | 23°29 | 8° 8 | 6°21 | 19°52 | 21°17 | 29°31 | n.a. | F 15 |
| S 16 | 22 30 13 | 5°46'38 | 0♍52 | 26°16 | 9°45 | 25° 8 | 0° 7 | 5°44 | 23°R30 | 8°10 | 6°22 | 19°45 | 21°14 | 29°38 | n.a. | S 16 |
| S 17 | 22 34 9 | 6°46'57 | 16° 1 | 25°31 | 11° 0 | 25°41 | 0° 5 | 5°50 | 23°30 | 8°13 | 6°23 | 19°40 | 21°11 | 29°45 | n.a. | S 17 |
| M18 | 22 38 6 | 7°47'17 | 1♎10 | 24°56 | 12°16 | 26°13 | 0° 3 | 5°57 | 23°29 | 8°15 | 6°24 | 19°37 | 21° 8 | 29°51 | n.a. | M18 |
| T 19 | 22 42 2 | 8°47'40 | 16° 8 | 24°33 | 13°31 | 26°45 | 29♈59 | 6° 4 | 23°29 | 8°17 | 6°25 | 19°D35 | 21° 5 | 29°58 | n.a. | T 19 |
| W20 | 22 45 59 | 9°48'04 | 0♏50 | 24°D22 | 14°47 | 27°17 | 29°57 | 6°10 | 23°29 | 8°19 | 6°26 | 19°36 | 21° 2 | 0♈ 5 | n.a. | W20 |
| T 21 | 22 49 56 | 10°48'29 | 15° 9 | 24°22 | 16° 2 | 27°49 | 29°54 | 6°17 | 23°29 | 8°22 | 6°28 | 19°37 | 20°58 | 0°11 | n.a. | T 21 |
| F 22 | 22 53 52 | 11°48'57 | 29° 5 | 24°33 | 17°18 | 28°20 | 29°51 | 6°23 | 23°29 | 8°24 | 6°29 | 19°38 | 20°55 | 0°18 | n.a. | F 22 |
| S 23 | 22 57 49 | 12°49'26 | 12♐38 | 24°54 | 18°33 | 28°52 | 29°47 | 6°29 | 23°28 | 8°26 | 6°30 | 19°R39 | 20°52 | 0°25 | n.a. | S 23 |
| S 24 | 23 1 45 | 13°49'56 | 25°49 | 25°25 | 19°49 | 29°23 | 29°44 | 6°36 | 23°28 | 8°28 | 6°31 | 19°38 | 20°49 | 0°31 | n.a. | S 24 |
| M25 | 23 5 42 | 14°50'28 | 8♑42 | 26° 5 | 21° 4 | 29°54 | 29°40 | 6°42 | 23°28 | 8°31 | 6°31 | 19°36 | 20°46 | 0°38 | n.a. | M25 |
| T 26 | 23 9 38 | 15°51'02 | 21°18 | 26°52 | 22°20 | 0♋25 | 29°36 | 6°48 | 23°27 | 8°33 | 6°32 | 19°32 | 20°43 | 0°44 | n.a. | T 26 |
| W27 | 23 13 35 | 16°51'37 | 3♒41 | 27°47 | 23°35 | 0°56 | 29°32 | 6°54 | 23°26 | 8°35 | 6°33 | 19°27 | 20°39 | 0°51 | n.a. | W27 |
| T 28 | 23 17 31 | 17°52'13 | 15°54 | 28°48 | 24°51 | 1°27 | 29°27 | 7° 1 | 23°26 | 8°37 | 6°34 | 19°21 | 20°36 | 0°58 | n.a. | T 28 |
| F 29 | 23 21 28 | 18°52'51 | 27°58 | 29°54 | 26° 6 | 1°58 | 29°23 | 7° 7 | 23°25 | 8°40 | 6°35 | 19°15 | 20°33 | 1° 4 | n.a. | F 29 |
| S 30 | 23 25 25 | 19♍53'31 | 9♓55 | 1♍ 4 | 27♍22 | 2♋28 | 29♈18 | 7♌13 | 23♉25 | 8♍42 | 6♋36 | 19♈10 | 20♈30 | 1♈11 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14n52 | 19s40 | 4s28 | 4n47 | 3s25 | 16n 8 | 1n23 | 23n59 | 0n43 | 10n47 | 1s 5 | 21n15 | 1n39 | 18n57 | 0s 3 | 10n41 | 1n56 | 34n23 | 10n37 | 8n16 | 8n45 | 2s45 | | n.a. |
| S 2 | 14 32 | 14 54 | 3 52 | 4 54 | 3 24 | 15 43 | 1 23 | 24 3 | 0 44 | 10 47 | 1 5 | 21 13 | 1 39 | 18 57 | 0 3 | 10 40 | 1 56 | 34 24 | 10 37 | 8 12 | 8 44 | 2 41 | | n.a. |
| S 3 | 14 12 | 9 37 | 3 6 | 5 5 | 3 21 | 15 17 | 1 22 | 24 7 | 0 45 | 10 48 | 1 5 | 21 11 | 1 39 | 18 57 | 0 3 | 10 39 | 1 56 | 34 24 | 10 38 | 8 9 | 8 43 | 2 38 | | n.a. |
| M 4 | 13 52 | 4 3 | 2 12 | 5 21 | 3 16 | 14 51 | 1 22 | 24 11 | 0 46 | 10 48 | 1 5 | 21 10 | 1 39 | 18 57 | 0 3 | 10 38 | 1 56 | 34 24 | 10 38 | 8 6 | 8 41 | 2 34 | | n.a. |
| T 5 | 13 32 | 1n38 | 1 12 | 5 42 | 3 9 | 14 24 | 1 21 | 24 15 | 0 47 | 10 48 | 1 5 | 21 8 | 1 39 | 18 58 | 0 3 | 10 37 | 1 56 | 34 24 | 10 38 | 8 5 | 8 40 | 2 31 | | n.a. |
| W 6 | 13 11 | 7 15 | 0 9 | 6 8 | 3 1 | 13 58 | 1 21 | 24 19 | 0 48 | 10 48 | 1 6 | 21 7 | 1 39 | 18 58 | 0 3 | 10 36 | 1 56 | 34 25 | 10 39 | 8 5 | 8 39 | 2 28 | | n.a. |
| T 7 | 12 51 | 12 40 | 0n54 | 6 38 | 2 50 | 13 30 | 1 20 | 24 22 | 0 49 | 10 47 | 1 6 | 21 5 | 1 39 | 18 58 | 0 3 | 10 36 | 1 56 | 34 25 | 10 39 | 8 5 | 8 38 | 2 24 | | n.a. |
| F 8 | 12 30 | 17 40 | 1 56 | 7 13 | 2 38 | 13 3 | 1 19 | 24 26 | 0 50 | 10 47 | 1 6 | 21 3 | 1 40 | 18 58 | 0 3 | 10 35 | 1 56 | 34 25 | 10 39 | 8 5 | 8 37 | 2 21 | | n.a. |
| S 9 | 12 9 | 22 4 | 2 54 | 7 52 | 2 24 | 12 35 | 1 18 | 24 29 | 0 51 | 10 47 | 1 6 | 21 2 | 1 40 | 18 58 | 0 3 | 10 34 | 1 56 | 34 25 | 10 39 | 8 6 | 8 35 | 2 17 | | n.a. |
| S 10 | 11 47 | 25 36 | 3 45 | 8 34 | 2 8 | 12 6 | 1 17 | 24 32 | 0 52 | 10 46 | 1 6 | 21 0 | 1 40 | 18 58 | 0 3 | 10 33 | 1 56 | 34 26 | 10 40 | 8 5 | 8 34 | 2 14 | | n.a. |
| M11 | 11 26 | 27 57 | 4 26 | 9 18 | 1 50 | 11 37 | 1 16 | 24 35 | 0 53 | 10 46 | 1 6 | 20 59 | 1 40 | 18 58 | 0 3 | 10 32 | 1 56 | 34 26 | 10 40 | 8 5 | 8 33 | 2 10 | | n.a. |
| T 12 | 11 4 | 28 48 | 4 55 | 10 3 | 1 31 | 11 8 | 1 15 | 24 38 | 0 54 | 10 45 | 1 6 | 20 57 | 1 40 | 18 58 | 0 3 | 10 31 | 1 56 | 34 26 | 10 40 | 8 3 | 8 32 | 2 7 | | n.a. |
| W13 | 10 42 | 27 55 | 5 8 | 10 49 | 1 11 | 10 39 | 1 14 | 24 41 | 0 55 | 10 45 | 1 6 | 20 55 | 1 40 | 18 58 | 0 3 | 10 30 | 1 56 | 34 26 | 10 41 | 8 1 | 8 31 | 2 3 | | n.a. |
| T 14 | 10 20 | 25 13 | 5 3 | 11 32 | 0 50 | 10 9 | 1 13 | 24 44 | 0 56 | 10 44 | 1 6 | 20 54 | 1 40 | 18 59 | 0 3 | 10 30 | 1 56 | 34 27 | 10 41 | 7 58 | 8 29 | 2 0 | | n.a. |
| F 15 | 9 57 | 20 48 | 4 38 | 12 14 | 0 30 | 9 40 | 1 12 | 24 46 | 0 57 | 10 44 | 1 6 | 20 52 | 1 41 | 18 59 | 0 3 | 10 29 | 1 56 | 34 27 | 10 41 | 7 55 | 8 28 | 1 57 | | n.a. |
| S 16 | 9 35 | 15 0 | 3 53 | 12 52 | 0 10 | 9 9 | 1 11 | 24 48 | 0 58 | 10 43 | 1 6 | 20 51 | 1 41 | 18 59 | 0 3 | 10 28 | 1 56 | 34 27 | 10 42 | 7 53 | 8 27 | 1 53 | | n.a. |
| S 17 | 9 12 | 8 15 | 2 52 | 13 26 | 0n10 | 8 39 | 1 9 | 24 51 | 1 0 | 10 42 | 1 6 | 20 49 | 1 41 | 18 59 | 0 3 | 10 27 | 1 56 | 34 27 | 10 42 | 7 51 | 8 26 | 1 50 | | n.a. |
| M18 | 8 49 | 1 2 | 1 38 | 13 55 | 0 28 | 8 8 | 1 8 | 24 53 | 1 1 | 10 41 | 1 6 | 20 48 | 1 41 | 18 59 | 0 3 | 10 26 | 1 56 | 34 28 | 10 42 | 7 49 | 8 24 | 1 46 | | n.a. |
| T 19 | 8 26 | 6s11 | 0 19 | 14 19 | 0 45 | 7 38 | 1 7 | 24 55 | 1 2 | 10 40 | 1 6 | 20 46 | 1 41 | 18 59 | 0 3 | 10 25 | 1 56 | 34 28 | 10 43 | 7 49 | 8 23 | 1 43 | | n.a. |
| W20 | 8 3 | 12 56 | 1s 1 | 14 37 | 1 0 | 7 7 | 1 5 | 24 57 | 1 3 | 10 39 | 1 7 | 20 45 | 1 41 | 18 59 | 0 3 | 10 24 | 1 56 | 34 28 | 10 43 | 7 49 | 8 22 | 1 39 | | n.a. |
| T 21 | 7 40 | 18 51 | 2 15 | 14 50 | 1 14 | 6 35 | 1 4 | 24 58 | 1 4 | 10 38 | 1 7 | 20 43 | 1 41 | 18 58 | 0 3 | 10 24 | 1 56 | 34 29 | 10 44 | 7 50 | 8 21 | 1 36 | | n.a. |
| F 22 | 7 16 | 23 35 | 3 18 | 14 58 | 1 27 | 6 4 | 1 2 | 25 0 | 1 5 | 10 36 | 1 7 | 20 42 | 1 42 | 18 58 | 0 3 | 10 23 | 1 56 | 34 29 | 10 44 | 7 50 | 8 20 | 1 32 | | n.a. |
| S 23 | 6 53 | 26 53 | 4 9 | 15 0 | 1 37 | 5 32 | 1 1 | 25 1 | 1 6 | 10 35 | 1 7 | 20 40 | 1 42 | 18 58 | 0 3 | 10 22 | 1 56 | 34 29 | 10 44 | 7 50 | 8 18 | 1 29 | | n.a. |
| S 24 | 6 29 | 28 37 | 4 45 | 14 58 | 1 46 | 5 1 | 0 59 | 25 3 | 1 7 | 10 34 | 1 7 | 20 39 | 1 42 | 18 58 | 0 3 | 10 21 | 1 56 | 34 30 | 10 45 | 7 50 | 8 17 | 1 25 | | n.a. |
| M25 | 6 5 | 28 44 | 5 6 | 14 52 | 1 54 | 4 29 | 0 57 | 25 4 | 1 8 | 10 32 | 1 7 | 20 37 | 1 42 | 18 58 | 0 3 | 10 20 | 1 56 | 34 30 | 10 45 | 7 49 | 8 16 | 1 22 | | n.a. |
| T 26 | 5 41 | 27 20 | 5 12 | 14 41 | 2 0 | 3 57 | 0 55 | 25 5 | 1 10 | 10 31 | 1 7 | 20 36 | 1 42 | 18 58 | 0 3 | 10 19 | 1 56 | 34 30 | 10 45 | 7 48 | 8 15 | 1 19 | | n.a. |
| W27 | 5 17 | 24 37 | 5 2 | 14 26 | 2 5 | 3 25 | 0 54 | 25 6 | 1 11 | 10 29 | 1 7 | 20 34 | 1 42 | 18 58 | 0 3 | 10 18 | 1 56 | 34 30 | 10 46 | 7 46 | 8 14 | 1 15 | | n.a. |
| T 28 | 4 53 | 20 49 | 4 39 | 14 8 | 2 8 | 2 53 | 0 52 | 25 7 | 1 12 | 10 28 | 1 7 | 20 33 | 1 43 | 18 58 | 0 3 | 10 18 | 1 56 | 34 31 | 10 46 | 7 43 | 8 12 | 1 12 | | n.a. |
| F 29 | 4 29 | 16 14 | 4 4 | 13 46 | 2 11 | 2 20 | 0 50 | 25 8 | 1 13 | 10 26 | 1 7 | 20 31 | 1 43 | 18 58 | 0 3 | 10 17 | 1 56 | 34 31 | 10 46 | 7 41 | 8 11 | 1 8 | | n.a. |
| S 30 | 4n 5 | 11s 3 | 3s18 | 13n22 | 2n12 | 1n48 | 0n48 | 25n 8 | 1n14 | 10n24 | 1s 7 | 20n30 | 1n43 | 18n57 | 0s 3 | 10n16 | 1n56 | 34n31 | 10n47 | 7n39 | 8n10 | 1s 5 | | n.a. |

Julian Day Number = 991896.5, Delta T = 13h01m28s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'36, Lahiri = -31°29'36 Julian Calendar 1 Sept. 1998 BCE == Greg. Calendar 15 Aug. 1998 BCE


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## OCTOBER 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 29 21 | 20♍54'12 | 21♓47 | 2♍19 | 28♍37 | 2♋59 | 29°R13 | 7♌19 | 23°R24 | 8♍44 | 6♋37 | 19°R 6 | 20♈27 | 1♈18 | n.a. | S 1 |
| M 2 | 23 33 18 | 21°54'54 | 3♈35 | 3°37 | 29°53 | 3°29 | 29♈ 8 | 7°25 | 23♉23 | 8°46 | 6°37 | 19♈ 3 | 20°23 | 1°24 | n.a. | M 2 |
| T 3 | 23 37 14 | 22°55'39 | 15°23 | 4°57 | 1♎ 8 | 3°59 | 29° 3 | 7°30 | 23°22 | 8°48 | 6°38 | 19°D 2 | 20°20 | 1°31 | n.a. | T 3 |
| W 4 | 23 41 11 | 23°56'25 | 27°12 | 6°21 | 2°23 | 4°29 | 28°57 | 7°36 | 23°21 | 8°51 | 6°39 | 19° 2 | 20°17 | 1°38 | n.a. | W 4 |
| T 5 | 23 45 7 | 24°57'12 | 9♉ 4 | 7°46 | 3°39 | 4°58 | 28°52 | 7°42 | 23°20 | 8°53 | 6°39 | 19° 4 | 20°14 | 1°44 | n.a. | T 5 |
| F 6 | 23 49 4 | 25°58'02 | 21° 5 | 9°13 | 4°54 | 5°28 | 28°46 | 7°48 | 23°19 | 8°55 | 6°40 | 19° 5 | 20°11 | 1°51 | n.a. | F 6 |
| S 7 | 23 53 0 | 26°58'53 | 3♊16 | 10°41 | 6°10 | 5°57 | 28°40 | 7°53 | 23°18 | 8°57 | 6°41 | 19° 7 | 20° 8 | 1°58 | n.a. | S 7 |
| S 8 | 23 56 57 | 27°59'45 | 15°44 | 12°11 | 7°25 | 6°26 | 28°34 | 7°59 | 23°17 | 8°59 | 6°41 | 19° 8 | 20° 4 | 2° 4 | n.a. | S 8 |
| M 9 | 0 0 53 | 29° 0'40 | 28°31 | 13°41 | 8°41 | 6°55 | 28°28 | 8° 4 | 23°16 | 9° 1 | 6°42 | 19°R 9 | 20° 1 | 2°11 | n.a. | M 9 |
| T 10 | 0 4 50 | 0♎ 1'36 | 11♋41 | 15°13 | 9°56 | 7°24 | 28°22 | 8°10 | 23°15 | 9° 4 | 6°42 | 19° 8 | 19°58 | 2°18 | n.a. | T 10 |
| W11 | 0 8 47 | 1° 2'34 | 25°19 | 16°44 | 11°11 | 7°53 | 28°15 | 8°15 | 23°13 | 9° 6 | 6°43 | 19° 7 | 19°55 | 2°24 | n.a. | W11 |
| T 12 | 0 12 43 | 2° 3'33 | 9♌24 | 18°17 | 12°27 | 8°21 | 28° 9 | 8°20 | 23°12 | 9° 8 | 6°43 | 19° 5 | 19°52 | 2°31 | n.a. | T 12 |
| F 13 | 0 16 40 | 3° 4'34 | 23°55 | 19°50 | 13°42 | 8°49 | 28° 2 | 8°26 | 23°11 | 9°10 | 6°44 | 19° 3 | 19°48 | 2°38 | n.a. | F 13 |
| S 14 | 0 20 36 | 4° 5'36 | 8♍49 | 21°23 | 14°58 | 9°17 | 27°55 | 8°31 | 23° 9 | 9°12 | 6°44 | 19° 1 | 19°45 | 2°44 | n.a. | S 14 |
| S 15 | 0 24 33 | 5° 6'40 | 23°58 | 22°56 | 16°13 | 9°45 | 27°48 | 8°36 | 23° 8 | 9°14 | 6°44 | 18°59 | 19°42 | 2°51 | n.a. | S 15 |
| M16 | 0 28 29 | 6° 7'45 | 9♎13 | 24°30 | 17°28 | 10°12 | 27°41 | 8°41 | 23° 6 | 9°16 | 6°45 | 18°59 | 19°39 | 2°58 | n.a. | M16 |
| T 17 | 0 32 26 | 7° 8'50 | 24°23 | 26° 3 | 18°44 | 10°40 | 27°34 | 8°46 | 23° 5 | 9°18 | 6°45 | 18°D59 | 19°36 | 3° 4 | n.a. | T 17 |
| W18 | 0 36 22 | 8° 9'57 | 9♏20 | 27°37 | 19°59 | 11° 7 | 27°27 | 8°51 | 23° 3 | 9°20 | 6°45 | 18°59 | 19°33 | 3°11 | n.a. | W18 |
| T 19 | 0 40 19 | 9°11'05 | 23°57 | 29°11 | 21°14 | 11°34 | 27°19 | 8°55 | 23° 2 | 9°22 | 6°46 | 19° 0 | 19°29 | 3°17 | n.a. | T 19 |
| F 20 | 0 44 16 | 10°12'14 | 8♐ 8 | 0♎45 | 22°30 | 12° 0 | 27°12 | 9° 0 | 23° 0 | 9°24 | 6°46 | 19° 1 | 19°26 | 3°24 | n.a. | F 20 |
| S 21 | 0 48 12 | 11°13'23 | 21°52 | 2°19 | 23°45 | 12°27 | 27° 4 | 9° 5 | 22°58 | 9°26 | 6°46 | 19° 1 | 19°23 | 3°31 | n.a. | S 21 |
| S 22 | 0 52 9 | 12°14'33 | 5♑10 | 3°53 | 25° 0 | 12°53 | 26°57 | 9° 9 | 22°56 | 9°28 | 6°46 | 19° 2 | 19°20 | 3°37 | n.a. | S 22 |
| M23 | 0 56 5 | 13°15'44 | 18° 3 | 5°27 | 26°16 | 13°19 | 26°49 | 9°14 | 22°55 | 9°30 | 6°46 | 19°R 2 | 19°17 | 3°44 | n.a. | M23 |
| T 24 | 1 0 2 | 14°16'55 | 0♒37 | 7° 0 | 27°31 | 13°44 | 26°41 | 9°18 | 22°53 | 9°32 | 6°46 | 19° 2 | 19°14 | 3°51 | n.a. | T 24 |
| W25 | 1 3 58 | 15°18'07 | 12°54 | 8°34 | 28°46 | 14°10 | 26°33 | 9°23 | 22°51 | 9°34 | 6°46 | 19° 1 | 19°10 | 3°57 | n.a. | W25 |
| T 26 | 1 7 55 | 16°19'19 | 24°58 | 10° 8 | 0♏ 2 | 14°35 | 26°25 | 9°27 | 22°49 | 9°36 | 6°R46 | 19° 1 | 19° 7 | 4° 4 | n.a. | T 26 |
| F 27 | 1 11 52 | 17°20'32 | 6♓54 | 11°42 | 1°17 | 15° 0 | 26°17 | 9°31 | 22°47 | 9°38 | 6°46 | 19° 0 | 19° 4 | 4°11 | n.a. | F 27 |
| S 28 | 1 15 48 | 18°21'45 | 18°44 | 13°16 | 2°32 | 15°24 | 26° 9 | 9°35 | 22°45 | 9°40 | 6°46 | 19° 0 | 19° 1 | 4°17 | n.a. | S 28 |
| S 29 | 1 19 45 | 19°22'59 | 0♈32 | 14°51 | 3°47 | 15°48 | 26° 1 | 9°39 | 22°43 | 9°42 | 6°46 | 19°D 0 | 18°58 | 4°24 | n.a. | S 29 |
| M30 | 1 23 41 | 20°24'13 | 12°20 | 16°25 | 5° 3 | 16°12 | 25°53 | 9°43 | 22°41 | 9°43 | 6°46 | 19° 0 | 18°54 | 4°31 | n.a. | M30 |
| T 31 | 1 27 38 | 21♎25'28 | 24♈11 | 17♎59 | 6♏18 | 16♋36 | 25♈45 | 9♌47 | 22♉39 | 9♍45 | 6♋46 | 19°R 0 | 18♈51 | 4♈37 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| S 1 | 3n41 | 5s31 | 2s24 | 12n55 | 2n13 | 1n16 | 0n46 | 25n 9 | 1n16 | 10n23 | 1s 7 | 20n29 | 1n43 | 18n57 | 0s 3 | 10n15 | 1n56 | 34n32 | 10n47 | 7n38 | 8n 9 | 1s 1 | | | n.a. |
| M 2 | 3 16 | 0n11 | 1 24 | 12 26 | 2 12 | 0 43 | 0 44 | 25 10 | 1 17 | 10 21 | 1 7 | 20 27 | 1 43 | 18 57 | 0 3 | 10 14 | 1 57 | 34 32 | 10 48 | 7 37 | 8 7 | 0 58 | | | n.a. |
| T 3 | 2 52 | 5 52 | 0 20 | 11 55 | 2 11 | 0 11 | 0 42 | 25 10 | 1 18 | 10 19 | 1 7 | 20 26 | 1 43 | 18 57 | 0 3 | 10 13 | 1 57 | 34 32 | 10 48 | 7 36 | 8 6 | 0 54 | | | n.a. |
| W 4 | 2 27 | 11 23 | 0n45 | 11 22 | 2 9 | 0s22 | 0 40 | 25 10 | 1 19 | 10 17 | 1 7 | 20 24 | 1 44 | 18 57 | 0 3 | 10 13 | 1 57 | 34 33 | 10 48 | 7 36 | 8 5 | 0 51 | | | n.a. |
| T 5 | 2 3 | 16 31 | 1 48 | 10 47 | 2 7 | 0 54 | 0 38 | 25 10 | 1 20 | 10 15 | 1 7 | 20 23 | 1 44 | 18 56 | 0 3 | 10 12 | 1 57 | 34 33 | 10 49 | 7 37 | 8 4 | 0 47 | | | n.a. |
| F 6 | 1 38 | 21 5 | 2 48 | 10 11 | 2 4 | 1 27 | 0 36 | 25 10 | 1 22 | 10 13 | 1 7 | 20 22 | 1 44 | 18 56 | 0 3 | 10 11 | 1 57 | 34 34 | 10 49 | 7 37 | 8 3 | 0 44 | | | n.a. |
| S 7 | 1 13 | 24 50 | 3 40 | 9 34 | 2 1 | 1 59 | 0 34 | 25 10 | 1 23 | 10 11 | 1 7 | 20 20 | 1 44 | 18 56 | 0 3 | 10 10 | 1 57 | 34 34 | 10 50 | 7 38 | 8 1 | 0 40 | | | n.a. |
| S 8 | 0 49 | 27 31 | 4 24 | 8 55 | 1 57 | 2 31 | 0 31 | 25 10 | 1 24 | 10 9 | 1 7 | 20 19 | 1 44 | 18 56 | 0 3 | 10 9 | 1 57 | 34 34 | 10 50 | 7 38 | 8 0 | 0 37 | | | n.a. |
| M 9 | 0 24 | 28 51 | 4 56 | 8 16 | 1 52 | 3 4 | 0 29 | 25 10 | 1 26 | 10 6 | 1 7 | 20 18 | 1 45 | 18 55 | 0 3 | 10 9 | 1 57 | 34 35 | 10 50 | 7 39 | 7 59 | 0 34 | | | n.a. |
| T 10 | 0s 1 | 28 36 | 5 14 | 7 36 | 1 48 | 3 36 | 0 27 | 25 10 | 1 27 | 10 4 | 1 7 | 20 17 | 1 45 | 18 55 | 0 3 | 10 8 | 1 57 | 34 35 | 10 51 | 7 39 | 7 58 | 0 30 | | | n.a. |
| W11 | 0 25 | 26 39 | 5 14 | 6 55 | 1 43 | 4 8 | 0 25 | 25 9 | 1 28 | 10 2 | 1 7 | 20 15 | 1 45 | 18 55 | 0 3 | 10 7 | 1 57 | 34 35 | 10 51 | 7 38 | 7 56 | 0 27 | | | n.a. |
| T 12 | 0 50 | 23 1 | 4 57 | 6 13 | 1 38 | 4 40 | 0 22 | 25 9 | 1 30 | 9 59 | 1 7 | 20 14 | 1 45 | 18 54 | 0 3 | 10 6 | 1 57 | 34 36 | 10 52 | 7 37 | 7 55 | 0 23 | | | n.a. |
| F 13 | 1 15 | 17 53 | 4 20 | 5 31 | 1 32 | 5 12 | 0 20 | 25 8 | 1 31 | 9 57 | 1 7 | 20 13 | 1 45 | 18 54 | 0 3 | 10 5 | 1 57 | 34 36 | 10 52 | 7 36 | 7 54 | 0 20 | | | n.a. |
| S 14 | 1 40 | 11 35 | 3 25 | 4 48 | 1 27 | 5 44 | 0 18 | 25 8 | 1 32 | 9 55 | 1 7 | 20 12 | 1 46 | 18 54 | 0 3 | 10 5 | 1 57 | 34 36 | 10 52 | 7 36 | 7 53 | 0 16 | | | n.a. |
| S 15 | 2 4 | 4 29 | 2 14 | 4 5 | 1 21 | 6 16 | 0 15 | 25 7 | 1 34 | 9 52 | 1 7 | 20 11 | 1 46 | 18 53 | 0 3 | 10 4 | 1 57 | 34 37 | 10 53 | 7 35 | 7 52 | 0 13 | | | n.a. |
| M16 | 2 29 | 2s54 | 0 54 | 3 22 | 1 15 | 6 48 | 0 13 | 25 6 | 1 35 | 9 50 | 1 7 | 20 9 | 1 46 | 18 53 | 0 3 | 10 3 | 1 57 | 34 37 | 10 53 | 7 35 | 7 50 | 0 9 | | | n.a. |
| T 17 | 2 54 | 10 6 | 0s30 | 2 39 | 1 9 | 7 19 | 0 10 | 25 6 | 1 37 | 9 47 | 1 7 | 20 8 | 1 46 | 18 52 | 0 3 | 10 2 | 1 57 | 34 38 | 10 54 | 7 35 | 7 49 | 0 6 | | | n.a. |
| W18 | 3 18 | 16 39 | 1 51 | 1 55 | 1 2 | 7 51 | 0 8 | 25 5 | 1 38 | 9 44 | 1 7 | 20 7 | 1 46 | 18 52 | 0 3 | 10 2 | 1 57 | 34 38 | 10 54 | 7 35 | 7 48 | 0 2 | | | n.a. |
| T 19 | 3 43 | 22 5 | 3 2 | 1 11 | 0 56 | 8 22 | 0 6 | 25 4 | 1 39 | 9 42 | 1 7 | 20 6 | 1 47 | 18 52 | 0 3 | 10 1 | 1 57 | 34 38 | 10 54 | 7 35 | 7 47 | 0n 1 | | | n.a. |
| F 20 | 4 7 | 26 4 | 4 0 | 0 27 | 0 50 | 8 53 | 0 3 | 25 3 | 1 41 | 9 39 | 1 7 | 20 5 | 1 47 | 18 51 | 0 3 | 10 0 | 1 57 | 34 39 | 10 55 | 7 36 | 7 45 | 0 5 | | | n.a. |
| S 21 | 4 32 | 28 22 | 4 43 | 0s17 | 0 43 | 9 23 | 0 1 | 25 2 | 1 42 | 9 36 | 1 7 | 20 4 | 1 47 | 18 51 | 0 3 | 9 59 | 1 57 | 34 39 | 10 55 | 7 36 | 7 44 | 0 8 | | | n.a. |
| S 22 | 4 56 | 28 58 | 5 8 | 1 1 | 0 36 | 9 54 | 0s 2 | 25 1 | 1 44 | 9 34 | 1 6 | 20 3 | 1 47 | 18 50 | 0 3 | 9 59 | 1 57 | 34 40 | 10 56 | 7 36 | 7 43 | 0 12 | | | n.a. |
| M23 | 5 20 | 27 55 | 5 18 | 1 45 | 0 30 | 10 24 | 0 4 | 24 59 | 1 45 | 9 31 | 1 6 | 20 2 | 1 47 | 18 50 | 0 3 | 9 58 | 1 57 | 34 40 | 10 56 | 7 36 | 7 42 | 0 15 | | | n.a. |
| T 24 | 5 45 | 25 29 | 5 11 | 2 29 | 0 23 | 10 54 | 0 7 | 24 58 | 1 47 | 9 28 | 1 6 | 20 1 | 1 48 | 18 49 | 0 3 | 9 57 | 1 57 | 34 40 | 10 56 | 7 36 | 7 40 | 0 18 | | | n.a. |
| W25 | 6 9 | 21 55 | 4 51 | 3 13 | 0 17 | 11 24 | 0 9 | 24 57 | 1 48 | 9 25 | 1 6 | 20 0 | 1 48 | 18 49 | 0 3 | 9 57 | 1 57 | 34 41 | 10 57 | 7 36 | 7 39 | 0 22 | | | n.a. |
| T 26 | 6 33 | 17 29 | 4 17 | 3 56 | 0 10 | 11 53 | 0 11 | 24 56 | 1 50 | 9 22 | 1 6 | 19 59 | 1 48 | 18 48 | 0 3 | 9 56 | 1 57 | 34 41 | 10 57 | 7 36 | 7 38 | 0 25 | | | n.a. |
| F 27 | 6 57 | 12 27 | 3 33 | 4 40 | 0 4 | 12 22 | 0 14 | 24 55 | 1 51 | 9 20 | 1 6 | 19 58 | 1 48 | 18 48 | 0 3 | 9 55 | 1 57 | 34 42 | 10 58 | 7 35 | 7 37 | 0 29 | | | n.a. |
| S 28 | 7 20 | 7 0 | 2 41 | 5 23 | 0s 3 | 12 51 | 0 16 | 24 53 | 1 53 | 9 17 | 1 6 | 19 57 | 1 49 | 18 47 | 0 3 | 9 54 | 1 57 | 34 42 | 10 58 | 7 35 | 7 36 | 0 32 | | | n.a. |
| S 29 | 7 44 | 1 19 | 1 41 | 6 6 | 0 9 | 13 20 | 0 19 | 24 52 | 1 55 | 9 14 | 1 6 | 19 56 | 1 49 | 18 47 | 0 3 | 9 54 | 1 57 | 34 42 | 10 58 | 7 35 | 7 34 | 0 36 | | | n.a. |
| M30 | 8 8 | 4n24 | 0 37 | 6 49 | 0 16 | 13 48 | 0 21 | 24 51 | 1 56 | 9 11 | 1 6 | 19 56 | 1 49 | 18 46 | 0 3 | 9 53 | 1 57 | 34 43 | 10 59 | 7 35 | 7 33 | 0 39 | | | n.a. |
| T 31 | 8s31 | 10n 0 | 0n29 | 7s32 | 0s22 | 14s16 | 0s24 | 24n49 | 1n58 | 9n 8 | 1s 6 | 19n55 | 1n49 | 18n46 | 0s 3 | 9n53 | 1n57 | 34n43 | 10n59 | 7n35 | 7n32 | 0n43 | | | n.a. |

Julian Day Number = 991926.5, Delta T = 13h01m26s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'32, Lahiri = -31°29'31 Julian Calendar 1 Oct. 1998 BCE == Greg. Calendar 14 Sept. 1998 BCE

The year -1997 astronomical counting style corresponds to year 1998 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## NOVEMBER 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 31 34 | 22♎26'43 | 6♉ 6 | 19♎33 | 7♏33 | 17♋ 0 | 25°R37 | 9♑50 | 22°R37 | 9♍47 | 6°R46 | 19°R 0 | 18♈48 | 4♈44 | n.a. | W 1 |
| T 2 | 1 35 31 | 23°28'00 | 18° 8 | 21° 8 | 8°48 | 17°23 | 25♈29 | 9°54 | 22♉35 | 9°49 | 6♋46 | 19♈ 0 | 18°45 | 4°51 | n.a. | T 2 |
| F 3 | 1 39 27 | 24°29'16 | 0♊18 | 22°42 | 10° 3 | 17°46 | 25°21 | 9°57 | 22°32 | 9°50 | 6°45 | 18°59 | 18°42 | 4°57 | n.a. | F 3 |
| S 4 | 1 43 24 | 25°30'34 | 12°39 | 24°17 | 11°19 | 18° 8 | 25°13 | 10° 1 | 22°30 | 9°52 | 6°45 | 18°58 | 18°39 | 5° 4 | n.a. | S 4 |
| S 5 | 1 47 21 | 26°31'52 | 25°13 | 25°52 | 12°34 | 18°30 | 25° 4 | 10° 4 | 22°28 | 9°54 | 6°45 | 18°57 | 18°35 | 5°11 | n.a. | S 5 |
| M 6 | 1 51 17 | 27°33'10 | 8♋ 3 | 27°27 | 13°49 | 18°52 | 24°56 | 10° 7 | 22°26 | 9°56 | 6°45 | 18°56 | 18°32 | 5°17 | n.a. | M 6 |
| T 7 | 1 55 14 | 28°34'29 | 21°11 | 29° 2 | 15° 4 | 19°14 | 24°48 | 10°11 | 22°23 | 9°57 | 6°44 | 18°56 | 18°29 | 5°24 | n.a. | T 7 |
| W 8 | 1 59 10 | 29°35'49 | 4♌40 | 0♏37 | 16°19 | 19°35 | 24°40 | 10°14 | 22°21 | 9°59 | 6°44 | 18°D56 | 18°26 | 5°31 | n.a. | W 8 |
| T 9 | 2 3 7 | 0♏37'09 | 18°30 | 2°13 | 17°34 | 19°56 | 24°32 | 10°17 | 22°19 | 10° 0 | 6°43 | 18°56 | 18°23 | 5°37 | n.a. | T 9 |
| F 10 | 2 7 3 | 1°38'30 | 2♍44 | 3°49 | 18°49 | 20°16 | 24°24 | 10°20 | 22°16 | 10° 2 | 6°43 | 18°57 | 18°20 | 5°44 | n.a. | F 10 |
| S 11 | 2 11 0 | 2°39'51 | 17°17 | 5°25 | 20° 4 | 20°36 | 24°16 | 10°22 | 22°14 | 10° 4 | 6°43 | 18°58 | 18°16 | 5°50 | n.a. | S 11 |
| S 12 | 2 14 57 | 3°41'12 | 2♎ 8 | 7° 1 | 21°19 | 20°56 | 24° 8 | 10°25 | 22°12 | 10° 5 | 6°42 | 18°59 | 18°13 | 5°57 | n.a. | S 12 |
| M13 | 2 18 53 | 4°42'33 | 17° 9 | 8°37 | 22°34 | 21°15 | 24° 0 | 10°28 | 22° 9 | 10° 7 | 6°41 | 19°R 0 | 18°10 | 6° 4 | n.a. | M13 |
| T 14 | 2 22 50 | 5°43'55 | 2♏13 | 10°14 | 23°50 | 21°34 | 23°52 | 10°30 | 22° 7 | 10° 8 | 6°41 | 19° 0 | 18° 7 | 6°10 | n.a. | T 14 |
| W15 | 2 26 46 | 6°45'17 | 17°11 | 11°51 | 25° 5 | 21°53 | 23°44 | 10°33 | 22° 4 | 10°10 | 6°40 | 18°58 | 18° 4 | 6°17 | n.a. | W15 |
| T 16 | 2 30 43 | 7°46'38 | 1♐53 | 13°29 | 26°20 | 22°11 | 23°36 | 10°35 | 22° 2 | 10°11 | 6°40 | 18°56 | 18° 0 | 6°24 | n.a. | T 16 |
| F 17 | 2 34 39 | 8°48'00 | 16°14 | 15° 6 | 27°35 | 22°28 | 23°29 | 10°37 | 21°59 | 10°12 | 6°39 | 18°53 | 17°57 | 6°30 | n.a. | F 17 |
| S 18 | 2 38 36 | 9°49'21 | 0♑ 9 | 16°44 | 28°50 | 22°45 | 23°21 | 10°39 | 21°57 | 10°14 | 6°38 | 18°50 | 17°54 | 6°37 | n.a. | S 18 |
| S 19 | 2 42 33 | 10°50'41 | 13°37 | 18°22 | 0♐ 5 | 23° 2 | 23°14 | 10°41 | 21°54 | 10°15 | 6°38 | 18°48 | 17°51 | 6°44 | n.a. | S 19 |
| M20 | 2 46 29 | 11°52'02 | 26°38 | 20° 1 | 1°19 | 23°19 | 23° 6 | 10°43 | 21°52 | 10°16 | 6°37 | 18°46 | 17°48 | 6°50 | n.a. | M20 |
| T 21 | 2 50 26 | 12°53'21 | 9♒15 | 21°39 | 2°34 | 23°34 | 22°59 | 10°45 | 21°49 | 10°18 | 6°36 | 18°D45 | 17°45 | 6°57 | n.a. | T 21 |
| W22 | 2 54 22 | 13°54'40 | 21°33 | 23°18 | 3°49 | 23°50 | 22°52 | 10°46 | 21°46 | 10°19 | 6°36 | 18°45 | 17°41 | 7° 4 | n.a. | W22 |
| T 23 | 2 58 19 | 14°55'58 | 3♓35 | 24°57 | 5° 4 | 24° 5 | 22°45 | 10°48 | 21°44 | 10°20 | 6°35 | 18°46 | 17°38 | 7°10 | n.a. | T 23 |
| F 24 | 3 2 15 | 15°57'16 | 15°28 | 26°36 | 6°19 | 24°19 | 22°38 | 10°49 | 21°41 | 10°21 | 6°34 | 18°48 | 17°35 | 7°17 | n.a. | F 24 |
| S 25 | 3 6 12 | 16°58'32 | 27°16 | 28°14 | 7°34 | 24°33 | 22°31 | 10°51 | 21°39 | 10°22 | 6°33 | 18°50 | 17°32 | 7°24 | n.a. | S 25 |
| S 26 | 3 10 8 | 17°59'49 | 9♈ 3 | 29°53 | 8°49 | 24°46 | 22°24 | 10°52 | 21°36 | 10°24 | 6°32 | 18°51 | 17°29 | 7°30 | n.a. | S 26 |
| M27 | 3 14 5 | 19° 1'04 | 20°53 | 1♐32 | 10° 4 | 24°59 | 22°18 | 10°53 | 21°33 | 10°25 | 6°31 | 18°R52 | 17°25 | 7°37 | n.a. | M27 |
| T 28 | 3 18 2 | 20° 2'19 | 2♉49 | 3°10 | 11°18 | 25°11 | 22°11 | 10°54 | 21°31 | 10°26 | 6°30 | 18°51 | 17°22 | 7°43 | n.a. | T 28 |
| W29 | 3 21 58 | 21° 3'33 | 14°53 | 4°48 | 12°33 | 25°23 | 22° 5 | 10°55 | 21°28 | 10°27 | 6°29 | 18°48 | 17°19 | 7°50 | n.a. | W29 |
| T 30 | 3 25 55 | 22♏ 4'46 | 27♉ 8 | 6♐25 | 13♐48 | 25♋35 | 21♈59 | 10♑56 | 21♉26 | 10♍28 | 6♋29 | 18♈44 | 17♈16 | 7♈57 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 8s54 | 15n18 | 1n34 | 8s14 | 0s29 | 14s43 | 0s26 | 24n48 | 2n 0 | 9n 5 | 1s 5 | 19n54 | 1n50 | 18n45 | 0s 3 | 9n52 | 1n58 | 34n44 | 11n 0 | 7n35 | 7n31 | 0n46 | | n.a. |
| T 2 | 9 18 | 20 3 | 2 35 | 8 56 | 0 35 | 15 10 | 0 28 | 24 46 | 2 1 | 9 2 | 1 5 | 19 53 | 1 50 | 18 45 | 0 3 | 9 51 | 1 58 | 34 44 | 11 0 | 7 35 | 7 29 | 0 50 | | n.a. |
| F 3 | 9 41 | 24 3 | 3 30 | 9 38 | 0 41 | 15 37 | 0 31 | 24 45 | 2 3 | 8 59 | 1 5 | 19 52 | 1 50 | 18 44 | 0 3 | 9 51 | 1 58 | 34 44 | 11 0 | 7 35 | 7 28 | 0 53 | | n.a. |
| S 4 | 10 4 | 27 0 | 4 16 | 10 19 | 0 47 | 16 3 | 0 33 | 24 44 | 2 5 | 8 56 | 1 5 | 19 52 | 1 50 | 18 44 | 0 3 | 9 50 | 1 58 | 34 45 | 11 1 | 7 35 | 7 27 | 0 57 | | n.a. |
| S 5 | 10 26 | 28 41 | 4 51 | 11 0 | 0 53 | 16 29 | 0 36 | 24 42 | 2 6 | 8 54 | 1 5 | 19 51 | 1 50 | 18 43 | 0 3 | 9 49 | 1 58 | 34 45 | 11 1 | 7 34 | 7 26 | 1 0 | | n.a. |
| M 6 | 10 49 | 28 52 | 5 12 | 11 41 | 0 59 | 16 54 | 0 38 | 24 41 | 2 8 | 8 51 | 1 5 | 19 50 | 1 51 | 18 43 | 0 3 | 9 49 | 1 58 | 34 46 | 11 1 | 7 34 | 7 24 | 1 4 | | n.a. |
| T 7 | 11 11 | 27 26 | 5 17 | 12 21 | 1 4 | 17 19 | 0 40 | 24 39 | 2 10 | 8 48 | 1 5 | 19 50 | 1 51 | 18 42 | 0 3 | 9 48 | 1 58 | 34 46 | 11 2 | 7 34 | 7 23 | 1 7 | | n.a. |
| W 8 | 11 33 | 24 25 | 5 5 | 13 0 | 1 10 | 17 44 | 0 42 | 24 38 | 2 12 | 8 45 | 1 4 | 19 49 | 1 51 | 18 41 | 0 3 | 9 48 | 1 58 | 34 46 | 11 2 | 7 34 | 7 22 | 1 11 | | n.a. |
| T 9 | 11 55 | 19 57 | 4 36 | 13 39 | 1 15 | 18 8 | 0 45 | 24 37 | 2 13 | 8 42 | 1 4 | 19 49 | 1 51 | 18 41 | 0 3 | 9 47 | 1 58 | 34 47 | 11 3 | 7 34 | 7 21 | 1 14 | | n.a. |
| F 10 | 12 17 | 14 16 | 3 49 | 14 18 | 1 20 | 18 31 | 0 47 | 24 35 | 2 15 | 8 39 | 1 4 | 19 48 | 1 52 | 18 40 | 0 3 | 9 46 | 1 58 | 34 47 | 11 3 | 7 34 | 7 20 | 1 17 | | n.a. |
| S 11 | 12 39 | 7 40 | 2 47 | 14 55 | 1 25 | 18 55 | 0 49 | 24 34 | 2 17 | 8 36 | 1 4 | 19 47 | 1 52 | 18 40 | 0 3 | 9 46 | 1 58 | 34 48 | 11 3 | 7 35 | 7 18 | 1 21 | | n.a. |
| S 12 | 13 0 | 0 32 | 1 32 | 15 32 | 1 30 | 19 17 | 0 51 | 24 33 | 2 19 | 8 33 | 1 4 | 19 47 | 1 52 | 18 39 | 0 3 | 9 45 | 1 58 | 34 48 | 11 4 | 7 35 | 7 17 | 1 24 | | n.a. |
| M13 | 13 21 | 6s43 | 0 10 | 16 9 | 1 34 | 19 39 | 0 54 | 24 32 | 2 21 | 8 31 | 1 4 | 19 46 | 1 52 | 18 38 | 0 3 | 9 45 | 1 58 | 34 48 | 11 4 | 7 35 | 7 16 | 1 28 | | n.a. |
| T 14 | 13 42 | 13 37 | 1s13 | 16 44 | 1 38 | 20 0 | 0 56 | 24 30 | 2 23 | 8 28 | 1 3 | 19 46 | 1 53 | 18 38 | 0 2 | 9 44 | 1 58 | 34 49 | 11 5 | 7 35 | 7 15 | 1 31 | | n.a. |
| W15 | 14 3 | 19 42 | 2 30 | 17 19 | 1 43 | 20 21 | 0 58 | 24 29 | 2 25 | 8 25 | 1 3 | 19 46 | 1 53 | 18 37 | 0 2 | 9 44 | 1 58 | 34 49 | 11 5 | 7 35 | 7 13 | 1 35 | | n.a. |
| T 16 | 14 23 | 24 28 | 3 35 | 17 53 | 1 46 | 20 42 | 1 0 | 24 28 | 2 27 | 8 22 | 1 3 | 19 45 | 1 53 | 18 36 | 0 2 | 9 43 | 1 58 | 34 50 | 11 5 | 7 34 | 7 12 | 1 38 | | n.a. |
| F 17 | 14 43 | 27 36 | 4 26 | 18 27 | 1 50 | 21 1 | 1 2 | 24 27 | 2 29 | 8 20 | 1 3 | 19 45 | 1 54 | 18 36 | 0 2 | 9 43 | 1 58 | 34 50 | 11 6 | 7 33 | 7 11 | 1 42 | | n.a. |
| S 18 | 15 3 | 28 54 | 4 59 | 18 59 | 1 53 | 21 20 | 1 4 | 24 26 | 2 31 | 8 17 | 1 3 | 19 44 | 1 54 | 18 35 | 0 2 | 9 42 | 1 58 | 34 50 | 11 6 | 7 31 | 7 10 | 1 45 | | n.a. |
| S 19 | 15 23 | 28 25 | 5 14 | 19 30 | 1 56 | 21 39 | 1 6 | 24 25 | 2 33 | 8 14 | 1 2 | 19 44 | 1 54 | 18 34 | 0 2 | 9 42 | 1 59 | 34 51 | 11 6 | 7 30 | 7 8 | 1 49 | | n.a. |
| M20 | 15 42 | 26 22 | 5 12 | 20 0 | 1 58 | 21 57 | 1 8 | 24 24 | 2 35 | 8 12 | 1 2 | 19 44 | 1 54 | 18 34 | 0 2 | 9 42 | 1 59 | 34 51 | 11 7 | 7 30 | 7 7 | 1 52 | | n.a. |
| T 21 | 16 1 | 23 2 | 4 55 | 20 29 | 2 0 | 22 14 | 1 10 | 24 24 | 2 37 | 8 9 | 1 2 | 19 44 | 1 55 | 18 33 | 0 2 | 9 41 | 1 59 | 34 52 | 11 7 | 7 29 | 7 6 | 1 56 | | n.a. |
| W22 | 16 20 | 18 47 | 4 25 | 20 57 | 2 2 | 22 31 | 1 11 | 24 23 | 2 39 | 8 7 | 1 2 | 19 43 | 1 55 | 18 32 | 0 2 | 9 41 | 1 59 | 34 52 | 11 7 | 7 29 | 7 5 | 1 59 | | n.a. |
| T 23 | 16 39 | 13 51 | 3 44 | 21 23 | 2 4 | 22 47 | 1 13 | 24 22 | 2 41 | 8 4 | 1 2 | 19 43 | 1 55 | 18 32 | 0 2 | 9 40 | 1 59 | 34 52 | 11 8 | 7 30 | 7 3 | 2 3 | | n.a. |
| F 24 | 16 57 | 8 30 | 2 53 | 21 48 | 2 4 | 23 2 | 1 15 | 24 22 | 2 43 | 8 2 | 1 1 | 19 43 | 1 55 | 18 31 | 0 2 | 9 40 | 1 59 | 34 53 | 11 8 | 7 31 | 7 2 | 2 6 | | n.a. |
| S 25 | 17 15 | 2 53 | 1 56 | 22 12 | 2 5 | 23 16 | 1 17 | 24 21 | 2 45 | 8 0 | 1 1 | 19 43 | 1 56 | 18 30 | 0 2 | 9 39 | 1 59 | 34 53 | 11 8 | 7 31 | 7 1 | 2 10 | | n.a. |
| S 26 | 17 32 | 2n50 | 0 54 | 22 34 | 2 5 | 23 30 | 1 18 | 24 21 | 2 47 | 7 57 | 1 1 | 19 43 | 1 56 | 18 30 | 0 2 | 9 39 | 1 59 | 34 53 | 11 9 | 7 32 | 7 0 | 2 13 | | n.a. |
| M27 | 17 50 | 8 29 | 0n11 | 22 55 | 2 4 | 23 44 | 1 20 | 24 21 | 2 50 | 7 55 | 1 1 | 19 43 | 1 56 | 18 29 | 0 2 | 9 39 | 1 59 | 34 54 | 11 9 | 7 32 | 6 59 | 2 17 | | n.a. |
| T 28 | 18 7 | 13 53 | 1 16 | 23 13 | 2 3 | 23 56 | 1 21 | 24 21 | 2 52 | 7 53 | 1 0 | 19 43 | 1 56 | 18 28 | 0 2 | 9 38 | 1 59 | 34 54 | 11 9 | 7 32 | 6 57 | 2 20 | | n.a. |
| W29 | 18 23 | 18 49 | 2 18 | 23 31 | 2 1 | 24 8 | 1 23 | 24 20 | 2 54 | 7 51 | 1 0 | 19 43 | 1 57 | 18 28 | 0 2 | 9 38 | 1 59 | 34 55 | 11 10 | 7 31 | 6 56 | 2 23 | | n.a. |
| T 30 | 18s39 | 23n 4 | 3n14 | 23s46 | 1s59 | 24s19 | 1s24 | 24n21 | 2n56 | 7n49 | 1s 0 | 19n43 | 1n57 | 18n27 | 0s 2 | 9n38 | 1n59 | 34n55 | 11n10 | 7n29 | 6n55 | 2n27 | | n.a. |

Julian Day Number = 991957.5, Delta T = 13h01m24s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'28, Lahiri = -31°29'27 Julian Calendar 1 Nov. 1998 BCE == Greg. Calendar 15 Oct. 1998 BCE


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# ASTRODIENST EPHEMERIS for the year 1998 BCE
# geocentric

## DECEMBER 1998 BCE (-1997) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 29 51 | 23♏ 5'59 | 9♊35 | 8♐ 1 | 15♐ 3 | 25♋45 | 21°R53 | 10♌57 | 21°R23 | 10♍29 | 6°R28 | 18°R38 | 17♈13 | 8♈ 3 | n.a. | F 1 |
| S 2 | 3 33 48 | 24° 7'11 | 22°13 | 9°36 | 16°17 | 25°55 | 21♈47 | 10°57 | 21♉20 | 10°30 | 6♋27 | 18♈31 | 17°10 | 8°10 | n.a. | S 2 |
| S 3 | 3 37 44 | 25° 8'23 | 5♋ 4 | 11° 9 | 17°32 | 26° 5 | 21°41 | 10°58 | 21°18 | 10°31 | 6°25 | 18°25 | 17° 6 | 8°17 | n.a. | S 3 |
| M 4 | 3 41 41 | 26° 9'34 | 18° 8 | 12°41 | 18°47 | 26°14 | 21°36 | 10°58 | 21°15 | 10°31 | 6°24 | 18°19 | 17° 3 | 8°23 | n.a. | M 4 |
| T 5 | 3 45 38 | 27°10'44 | 1♌25 | 14°11 | 20° 1 | 26°22 | 21°30 | 10°58 | 21°13 | 10°32 | 6°23 | 18°15 | 17° 0 | 8°30 | n.a. | T 5 |
| W 6 | 3 49 34 | 28°11'54 | 14°56 | 15°38 | 21°16 | 26°30 | 21°25 | 10°59 | 21°10 | 10°33 | 6°22 | 18°12 | 16°57 | 8°37 | n.a. | W 6 |
| T 7 | 3 53 31 | 29°13'03 | 28°41 | 17° 1 | 22°30 | 26°37 | 21°20 | 10°R59 | 21° 7 | 10°34 | 6°21 | 18°D11 | 16°54 | 8°43 | n.a. | T 7 |
| F 8 | 3 57 27 | 0♐14'11 | 12♍41 | 18°21 | 23°45 | 26°43 | 21°15 | 10°59 | 21° 5 | 10°35 | 6°20 | 18°11 | 16°51 | 8°50 | n.a. | F 8 |
| S 9 | 4 1 24 | 1°15'19 | 26°54 | 19°36 | 24°59 | 26°49 | 21°10 | 10°59 | 21° 2 | 10°35 | 6°19 | 18°13 | 16°47 | 8°57 | n.a. | S 9 |
| S 10 | 4 5 20 | 2°16'26 | 11♎20 | 20°47 | 26°14 | 26°54 | 21° 6 | 10°58 | 21° 0 | 10°36 | 6°18 | 18°R14 | 16°44 | 9° 3 | n.a. | S 10 |
| M11 | 4 9 17 | 3°17'32 | 25°56 | 21°51 | 27°28 | 26°58 | 21° 1 | 10°58 | 20°57 | 10°37 | 6°16 | 18°14 | 16°41 | 9°10 | n.a. | M11 |
| T 12 | 4 13 14 | 4°18'37 | 10♏37 | 22°48 | 28°43 | 27° 2 | 20°57 | 10°58 | 20°55 | 10°37 | 6°15 | 18°12 | 16°38 | 9°17 | n.a. | T 12 |
| W13 | 4 17 10 | 5°19'41 | 25°16 | 23°38 | 29°57 | 27° 5 | 20°53 | 10°57 | 20°52 | 10°38 | 6°14 | 18° 7 | 16°35 | 9°23 | n.a. | W13 |
| T 14 | 4 21 7 | 6°20'45 | 9♐47 | 24°20 | 1♑12 | 27° 7 | 20°49 | 10°56 | 20°50 | 10°38 | 6°13 | 18° 1 | 16°31 | 9°30 | n.a. | T 14 |
| F 15 | 4 25 3 | 7°21'47 | 24° 2 | 24°52 | 2°26 | 27° 9 | 20°46 | 10°56 | 20°47 | 10°39 | 6°11 | 17°53 | 16°28 | 9°36 | n.a. | F 15 |
| S 16 | 4 29 0 | 8°22'47 | 7♑57 | 25°14 | 3°40 | 27° 9 | 20°42 | 10°55 | 20°45 | 10°39 | 6°10 | 17°44 | 16°25 | 9°43 | n.a. | S 16 |
| S 17 | 4 32 56 | 9°23'47 | 21°28 | 25°26 | 4°55 | 27°R 9 | 20°39 | 10°54 | 20°42 | 10°40 | 6° 9 | 17°35 | 16°22 | 9°50 | n.a. | S 17 |
| M18 | 4 36 53 | 10°24'44 | 4♒34 | 25°R27 | 6° 9 | 27° 9 | 20°36 | 10°53 | 20°40 | 10°40 | 6° 8 | 17°28 | 16°19 | 9°56 | n.a. | M18 |
| T 19 | 4 40 50 | 11°25'40 | 17°15 | 25°16 | 7°23 | 27° 7 | 20°33 | 10°51 | 20°37 | 10°41 | 6° 6 | 17°23 | 16°16 | 10° 3 | n.a. | T 19 |
| W20 | 4 44 46 | 12°26'35 | 29°36 | 24°55 | 8°38 | 27° 5 | 20°31 | 10°50 | 20°35 | 10°41 | 6° 5 | 17°20 | 16°12 | 10°10 | n.a. | W20 |
| T 21 | 4 48 43 | 13°27'28 | 11♓41 | 24°22 | 9°52 | 27° 2 | 20°28 | 10°49 | 20°33 | 10°41 | 6° 4 | 17°D19 | 16° 9 | 10°16 | n.a. | T 21 |
| F 22 | 4 52 39 | 14°28'18 | 23°35 | 23°40 | 11° 6 | 26°58 | 20°26 | 10°47 | 20°30 | 10°41 | 6° 2 | 17°19 | 16° 6 | 10°23 | n.a. | F 22 |
| S 23 | 4 56 36 | 15°29'08 | 5♈22 | 22°48 | 12°20 | 26°54 | 20°24 | 10°46 | 20°28 | 10°42 | 6° 1 | 17°20 | 16° 3 | 10°30 | n.a. | S 23 |
| S 24 | 5 0 32 | 16°29'55 | 17°10 | 21°49 | 13°34 | 26°48 | 20°22 | 10°44 | 20°26 | 10°42 | 5°59 | 17°R21 | 16° 0 | 10°36 | n.a. | S 24 |
| M25 | 5 4 29 | 17°30'41 | 29° 2 | 20°44 | 14°48 | 26°42 | 20°20 | 10°42 | 20°24 | 10°42 | 5°58 | 17°20 | 15°57 | 10°43 | n.a. | M25 |
| T 26 | 5 8 25 | 18°31'25 | 11♉ 3 | 19°36 | 16° 2 | 26°35 | 20°19 | 10°40 | 20°21 | 10°42 | 5°57 | 17°17 | 15°53 | 10°50 | n.a. | T 26 |
| W27 | 5 12 22 | 19°32'07 | 23°17 | 18°25 | 17°16 | 26°28 | 20°18 | 10°38 | 20°19 | 10°42 | 5°55 | 17°11 | 15°50 | 10°56 | n.a. | W27 |
| T 28 | 5 16 19 | 20°32'48 | 5♊45 | 17°14 | 18°30 | 26°19 | 20°16 | 10°36 | 20°17 | 10°42 | 5°54 | 17° 3 | 15°47 | 11° 3 | n.a. | T 28 |
| F 29 | 5 20 15 | 21°33'26 | 18°29 | 16° 5 | 19°44 | 26°10 | 20°16 | 10°34 | 20°15 | 10°R42 | 5°52 | 16°53 | 15°44 | 11°10 | n.a. | F 29 |
| S 30 | 5 24 12 | 22°34'04 | 1♋29 | 14°59 | 20°58 | 26° 0 | 20°15 | 10°32 | 20°13 | 10°42 | 5°51 | 16°41 | 15°41 | 11°16 | n.a. | S 30 |
| S 31 | 5 28 8 | 23♐34'39 | 14♋44 | 13♐58 | 22♑11 | 25♋49 | 20♈15 | 10♌29 | 20♉11 | 10♍42 | 5♋49 | 16♈29 | 15♈37 | 11♈23 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 18s55 | 26n19 | 4n 2 | 23s59 | 1s55 | 24s29 | 1s26 | 24n21 | 2n58 | 7n46 | 1s 0 | 19n43 | 1n57 | 18n26 | 0s 2 | 9n37 | 1n59 | 34n55 | 11n10 | 7n27 | 6n54 | 2n30 | | n.a. |
| S 2 | 19 11 | 28 20 | 4 39 | 24 11 | 1 51 | 24 39 | 1 27 | 24 21 | 3 1 | 7 44 | 0 59 | 19 43 | 1 58 | 18 26 | 0 2 | 9 37 | 1 59 | 34 56 | 11 11 | 7 24 | 6 52 | 2 34 | | n.a. |
| S 3 | 19 26 | 28 52 | 5 2 | 24 20 | 1 47 | 24 47 | 1 28 | 24 21 | 3 3 | 7 43 | 0 59 | 19 43 | 1 58 | 18 25 | 0 2 | 9 37 | 1 59 | 34 56 | 11 11 | 7 22 | 6 51 | 2 37 | | n.a. |
| M 4 | 19 41 | 27 48 | 5 11 | 24 27 | 1 41 | 24 55 | 1 29 | 24 22 | 3 5 | 7 41 | 0 59 | 19 43 | 1 58 | 18 24 | 0 2 | 9 37 | 2 0 | 34 56 | 11 11 | 7 19 | 6 50 | 2 41 | | n.a. |
| T 5 | 19 56 | 25 9 | 5 2 | 24 32 | 1 35 | 25 3 | 1 30 | 24 23 | 3 8 | 7 39 | 0 59 | 19 43 | 1 58 | 18 24 | 0 2 | 9 36 | 2 0 | 34 57 | 11 12 | 7 18 | 6 49 | 2 44 | | n.a. |
| W 6 | 20 10 | 21 6 | 4 38 | 24 35 | 1 27 | 25 9 | 1 31 | 24 23 | 3 10 | 7 37 | 0 58 | 19 44 | 1 59 | 18 23 | 0 2 | 9 36 | 2 0 | 34 57 | 11 12 | 7 17 | 6 47 | 2 48 | | n.a. |
| T 7 | 20 23 | 15 51 | 3 57 | 24 35 | 1 19 | 25 15 | 1 32 | 24 24 | 3 12 | 7 35 | 0 58 | 19 44 | 1 59 | 18 22 | 0 2 | 9 36 | 2 0 | 34 57 | 11 12 | 7 16 | 6 46 | 2 51 | | n.a. |
| F 8 | 20 37 | 9 43 | 3 1 | 24 34 | 1 10 | 25 20 | 1 33 | 24 25 | 3 15 | 7 34 | 0 58 | 19 44 | 1 59 | 18 21 | 0 2 | 9 36 | 2 0 | 34 58 | 11 12 | 7 16 | 6 45 | 2 55 | | n.a. |
| S 9 | 20 50 | 2 59 | 1 53 | 24 30 | 0 59 | 25 24 | 1 34 | 24 27 | 3 17 | 7 32 | 0 57 | 19 44 | 1 59 | 18 21 | 0 2 | 9 35 | 2 0 | 34 58 | 11 13 | 7 17 | 6 44 | 2 58 | | n.a. |
| S 10 | 21 2 | 4s 0 | 0 37 | 24 24 | 0 48 | 25 27 | 1 35 | 24 28 | 3 20 | 7 31 | 0 57 | 19 45 | 2 0 | 18 20 | 0 2 | 9 35 | 2 0 | 34 58 | 11 13 | 7 17 | 6 42 | 3 2 | | n.a. |
| M11 | 21 14 | 10 52 | 0s42 | 24 15 | 0 35 | 25 30 | 1 36 | 24 29 | 3 22 | 7 29 | 0 57 | 19 45 | 2 0 | 18 19 | 0 2 | 9 35 | 2 0 | 34 59 | 11 13 | 7 17 | 6 41 | 3 5 | | n.a. |
| T 12 | 21 26 | 17 10 | 1 58 | 24 5 | 0 22 | 25 32 | 1 37 | 24 31 | 3 25 | 7 28 | 0 57 | 19 45 | 2 0 | 18 19 | 0 2 | 9 35 | 2 0 | 34 59 | 11 13 | 7 17 | 6 40 | 3 9 | | n.a. |
| W13 | 21 37 | 22 29 | 3 6 | 23 53 | 0 7 | 25 33 | 1 37 | 24 33 | 3 27 | 7 27 | 0 56 | 19 46 | 2 0 | 18 18 | 0 2 | 9 35 | 2 0 | 34 59 | 11 14 | 7 15 | 6 39 | 3 12 | | n.a. |
| T 14 | 21 48 | 26 21 | 4 2 | 23 40 | 0n 9 | 25 33 | 1 38 | 24 35 | 3 30 | 7 26 | 0 56 | 19 46 | 2 1 | 18 17 | 0 2 | 9 35 | 2 0 | 35 0 | 11 14 | 7 12 | 6 37 | 3 16 | | n.a. |
| F 15 | 21 59 | 28 28 | 4 41 | 23 24 | 0 25 | 25 32 | 1 38 | 24 37 | 3 32 | 7 24 | 0 56 | 19 47 | 2 1 | 18 17 | 0 2 | 9 34 | 2 0 | 35 0 | 11 14 | 7 9 | 6 36 | 3 19 | | n.a. |
| S 16 | 22 9 | 28 43 | 5 2 | 23 8 | 0 42 | 25 31 | 1 39 | 24 39 | 3 34 | 7 23 | 0 56 | 19 47 | 2 1 | 18 16 | 0 2 | 9 34 | 2 0 | 35 0 | 11 14 | 7 6 | 6 35 | 3 22 | | n.a. |
| S 17 | 22 19 | 27 12 | 5 6 | 22 50 | 1 0 | 25 29 | 1 39 | 24 42 | 3 37 | 7 22 | 0 55 | 19 48 | 2 1 | 18 15 | 0 2 | 9 34 | 2 0 | 35 1 | 11 15 | 7 2 | 6 34 | 3 26 | | n.a. |
| M18 | 22 28 | 24 15 | 4 53 | 22 32 | 1 19 | 25 26 | 1 39 | 24 44 | 3 39 | 7 21 | 0 55 | 19 48 | 2 2 | 18 15 | 0 2 | 9 34 | 2 1 | 35 1 | 11 15 | 7 0 | 6 32 | 3 29 | | n.a. |
| T 19 | 22 37 | 20 12 | 4 27 | 22 13 | 1 37 | 25 22 | 1 39 | 24 47 | 3 42 | 7 21 | 0 55 | 19 49 | 2 2 | 18 14 | 0 2 | 9 34 | 2 1 | 35 1 | 11 15 | 6 57 | 6 31 | 3 33 | | n.a. |
| W20 | 22 45 | 15 23 | 3 48 | 21 54 | 1 56 | 25 18 | 1 39 | 24 50 | 3 44 | 7 20 | 0 54 | 19 50 | 2 2 | 18 14 | 0 2 | 9 34 | 2 1 | 35 2 | 11 15 | 6 56 | 6 30 | 3 36 | | n.a. |
| T 21 | 22 53 | 10 5 | 2 59 | 21 34 | 2 14 | 25 12 | 1 39 | 24 53 | 3 47 | 7 19 | 0 54 | 19 50 | 2 3 | 18 13 | 0 2 | 9 34 | 2 1 | 35 2 | 11 16 | 6 56 | 6 29 | 3 40 | | n.a. |
| F 22 | 23 0 | 4 30 | 2 4 | 21 15 | 2 31 | 25 6 | 1 39 | 24 56 | 3 49 | 7 19 | 0 54 | 19 51 | 2 3 | 18 12 | 0 2 | 9 34 | 2 1 | 35 2 | 11 16 | 6 56 | 6 27 | 3 43 | | n.a. |
| S 23 | 23 7 | 1n12 | 1 4 | 20 56 | 2 48 | 24 59 | 1 39 | 25 0 | 3 52 | 7 18 | 0 54 | 19 51 | 2 3 | 18 12 | 0 2 | 9 34 | 2 1 | 35 2 | 11 16 | 6 56 | 6 26 | 3 47 | | n.a. |
| S 24 | 23 13 | 6 52 | 0 1 | 20 38 | 3 2 | 24 52 | 1 39 | 25 3 | 3 54 | 7 18 | 0 53 | 19 52 | 2 3 | 18 11 | 0 2 | 9 34 | 2 1 | 35 3 | 11 16 | 6 57 | 6 25 | 3 50 | | n.a. |
| M25 | 23 20 | 12 19 | 1n 2 | 20 21 | 3 15 | 24 43 | 1 39 | 25 7 | 3 57 | 7 17 | 0 53 | 19 53 | 2 4 | 18 10 | 0 2 | 9 34 | 2 1 | 35 3 | 11 16 | 6 56 | 6 24 | 3 54 | | n.a. |
| T 26 | 23 25 | 17 24 | 2 3 | 20 5 | 3 26 | 24 34 | 1 38 | 25 10 | 3 59 | 7 17 | 0 53 | 19 54 | 2 4 | 18 10 | 0 2 | 9 34 | 2 1 | 35 3 | 11 17 | 6 55 | 6 22 | 3 57 | | n.a. |
| W27 | 23 30 | 21 52 | 3 0 | 19 50 | 3 35 | 24 24 | 1 38 | 25 14 | 4 2 | 7 17 | 0 52 | 19 55 | 2 4 | 18 9 | 0 2 | 9 34 | 2 1 | 35 3 | 11 17 | 6 53 | 6 21 | 4 1 | | n.a. |
| T 28 | 23 35 | 25 27 | 3 48 | 19 37 | 3 42 | 24 14 | 1 38 | 25 18 | 4 4 | 7 17 | 0 52 | 19 55 | 2 4 | 18 9 | 0 2 | 9 34 | 2 1 | 35 4 | 11 17 | 6 50 | 6 20 | 4 4 | | n.a. |
| F 29 | 23 39 | 27 50 | 4 27 | 19 26 | 3 46 | 24 2 | 1 37 | 25 22 | 4 6 | 7 17 | 0 52 | 19 56 | 2 5 | 18 8 | 0 2 | 9 34 | 2 1 | 35 4 | 11 17 | 6 46 | 6 19 | 4 7 | | n.a. |
| S 30 | 23 43 | 28 47 | 4 52 | 19 17 | 3 48 | 23 50 | 1 36 | 25 27 | 4 9 | 7 17 | 0 52 | 19 57 | 2 5 | 18 8 | 0 2 | 9 34 | 2 1 | 35 4 | 11 17 | 6 41 | 6 18 | 4 11 | | n.a. |
| S 31 | 23s46 | 28n 6 | 5n 2 | 19s11 | 3n48 | 23s38 | 1s36 | 25n31 | 4n11 | 7n17 | 0s51 | 19n58 | 2n 5 | 18n 7 | 0s 2 | 9n34 | 2n 2 | 35n 4 | 11n17 | 6n37 | 6n16 | 4n14 | | n.a. |

Julian Day Number = 991987.5, Delta T = 13h01m22s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'24, Lahiri = -31°29'23 Julian Calendar 1 Dec. 1998 BCE == Greg. Calendar 14 Nov. 1998 BCE

The year -1997 astronomical counting style corresponds to year 1998 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## JANUARY 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 32 5 | 24♐35'13 | 28♋11 | 13°R 3 | 23♉25 | 25°R38 | 20°R14 | 10°R27 | 20°R 9 | 10°R42 | 5°R48 | 16°R18 | 15♈34 | 11♈30 | n.a. | M 1 |
| T 2 | 5 36 1 | 25°35'45 | 11♌49 | 12♐15 | 24°39 | 25♋25 | 20°D14 | 10♌25 | 20♉ 7 | 10♍42 | 5♋46 | 16♈ 9 | 15°31 | 11°36 | n.a. | T 2 |
| W 3 | 5 39 58 | 26°36'16 | 25°36 | 11°34 | 25°52 | 25°12 | 20♈14 | 10°22 | 20° 5 | 10°42 | 5°45 | 16° 3 | 15°28 | 11°43 | n.a. | W 3 |
| T 4 | 5 43 54 | 27°36'45 | 9♍29 | 11° 1 | 27° 6 | 24°58 | 20°15 | 10°19 | 20° 3 | 10°42 | 5°43 | 15°59 | 15°25 | 11°49 | n.a. | T 4 |
| F 5 | 5 47 51 | 28°37'13 | 23°28 | 10°35 | 28°20 | 24°44 | 20°15 | 10°16 | 20° 1 | 10°42 | 5°42 | 15°D58 | 15°22 | 11°56 | n.a. | F 5 |
| S 6 | 5 51 48 | 29°37'39 | 7♎32 | 10°18 | 29°33 | 24°29 | 20°16 | 10°14 | 19°59 | 10°41 | 5°40 | 15°58 | 15°18 | 12° 3 | n.a. | S 6 |
| S 7 | 5 55 44 | 0♉38'03 | 21°41 | 10° 7 | 0♒46 | 24°13 | 20°17 | 10°11 | 19°57 | 10°41 | 5°39 | 15°R58 | 15°15 | 12° 9 | n.a. | S 7 |
| M 8 | 5 59 41 | 1°38'26 | 5♏53 | 10°D 4 | 2° 0 | 23°56 | 20°18 | 10° 8 | 19°56 | 10°41 | 5°37 | 15°57 | 15°12 | 12°16 | n.a. | M 8 |
| T 9 | 6 3 37 | 2°38'47 | 20° 7 | 10° 7 | 3°13 | 23°39 | 20°19 | 10° 4 | 19°54 | 10°41 | 5°36 | 15°53 | 15° 9 | 12°23 | n.a. | T 9 |
| W10 | 6 7 34 | 3°39'07 | 4♐19 | 10°17 | 4°27 | 23°21 | 20°21 | 10° 1 | 19°52 | 10°40 | 5°34 | 15°47 | 15° 6 | 12°29 | n.a. | W10 |
| T 11 | 6 11 30 | 4°39'25 | 18°25 | 10°33 | 5°40 | 23° 2 | 20°23 | 9°58 | 19°50 | 10°40 | 5°33 | 15°37 | 15° 3 | 12°36 | n.a. | T 11 |
| F 12 | 6 15 27 | 5°39'41 | 2♉20 | 10°55 | 6°53 | 22°43 | 20°25 | 9°55 | 19°49 | 10°39 | 5°31 | 15°25 | 14°59 | 12°43 | n.a. | F 12 |
| S 13 | 6 19 23 | 6°39'55 | 16° 0 | 11°22 | 8° 6 | 22°23 | 20°27 | 9°51 | 19°47 | 10°39 | 5°30 | 15°12 | 14°56 | 12°49 | n.a. | S 13 |
| S 14 | 6 23 20 | 7°40'07 | 29°22 | 11°53 | 9°19 | 22° 3 | 20°29 | 9°48 | 19°46 | 10°38 | 5°28 | 15° 0 | 14°53 | 12°56 | n.a. | S 14 |
| M15 | 6 27 17 | 8°40'17 | 12♒22 | 12°30 | 10°32 | 21°42 | 20°32 | 9°44 | 19°44 | 10°38 | 5°27 | 14°48 | 14°50 | 13° 3 | n.a. | M15 |
| T 16 | 6 31 13 | 9°40'24 | 25° 2 | 13°10 | 11°45 | 21°21 | 20°34 | 9°40 | 19°43 | 10°37 | 5°25 | 14°39 | 14°47 | 13° 9 | n.a. | T 16 |
| W17 | 6 35 10 | 10°40'29 | 7♓23 | 13°54 | 12°58 | 20°59 | 20°37 | 9°37 | 19°42 | 10°37 | 5°24 | 14°33 | 14°43 | 13°16 | n.a. | W17 |
| T 18 | 6 39 6 | 11°40'32 | 19°29 | 14°42 | 14°11 | 20°37 | 20°40 | 9°33 | 19°40 | 10°36 | 5°22 | 14°30 | 14°40 | 13°23 | n.a. | T 18 |
| F 19 | 6 43 3 | 12°40'33 | 1♈23 | 15°34 | 15°24 | 20°15 | 20°44 | 9°29 | 19°39 | 10°35 | 5°21 | 14°28 | 14°37 | 13°29 | n.a. | F 19 |
| S 20 | 6 46 59 | 13°40'31 | 13°12 | 16°28 | 16°36 | 19°52 | 20°47 | 9°25 | 19°38 | 10°35 | 5°19 | 14°28 | 14°34 | 13°36 | n.a. | S 20 |
| S 21 | 6 50 56 | 14°40'27 | 25° 0 | 17°25 | 17°49 | 19°29 | 20°51 | 9°21 | 19°36 | 10°34 | 5°18 | 14°28 | 14°31 | 13°42 | n.a. | S 21 |
| M22 | 6 54 52 | 15°40'20 | 6♉53 | 18°25 | 19° 2 | 19° 6 | 20°54 | 9°17 | 19°35 | 10°33 | 5°16 | 14°27 | 14°28 | 13°49 | n.a. | M22 |
| T 23 | 6 58 49 | 16°40'11 | 18°57 | 19°28 | 20°14 | 18°43 | 20°58 | 9°13 | 19°34 | 10°33 | 5°15 | 14°23 | 14°24 | 13°56 | n.a. | T 23 |
| W24 | 7 2 46 | 17°40'00 | 1♊16 | 20°33 | 21°26 | 18°20 | 21° 3 | 9° 9 | 19°33 | 10°32 | 5°13 | 14°18 | 14°21 | 14° 2 | n.a. | W24 |
| T 25 | 7 6 42 | 18°39'47 | 13°53 | 21°41 | 22°39 | 17°56 | 21° 7 | 9° 5 | 19°32 | 10°31 | 5°12 | 14° 9 | 14°18 | 14° 9 | n.a. | T 25 |
| F 26 | 7 10 39 | 19°39'31 | 26°51 | 22°50 | 23°51 | 17°33 | 21°12 | 9° 1 | 19°31 | 10°30 | 5°11 | 13°58 | 14°15 | 14°16 | n.a. | F 26 |
| S 27 | 7 14 35 | 20°39'13 | 10♋ 9 | 24° 2 | 25° 3 | 17° 9 | 21°16 | 8°57 | 19°30 | 10°29 | 5° 9 | 13°46 | 14°12 | 14°22 | n.a. | S 27 |
| S 28 | 7 18 32 | 21°38'53 | 23°46 | 25°15 | 26°15 | 16°46 | 21°21 | 8°52 | 19°30 | 10°28 | 5° 8 | 13°33 | 14° 9 | 14°29 | n.a. | S 28 |
| M29 | 7 22 28 | 22°38'30 | 7♌39 | 26°30 | 27°27 | 16°22 | 21°26 | 8°48 | 19°29 | 10°27 | 5° 6 | 13°21 | 14° 5 | 14°36 | n.a. | M29 |
| T 30 | 7 26 25 | 23°38'05 | 21°44 | 27°48 | 28°39 | 15°59 | 21°31 | 8°44 | 19°28 | 10°26 | 5° 5 | 13°11 | 14° 2 | 14°42 | n.a. | T 30 |
| W31 | 7 30 21 | 24♉37'39 | 5♍55 | 29♐ 6 | 29♒51 | 15♋36 | 21♈37 | 8♌39 | 19♉27 | 10♍25 | 5♋ 3 | 13♈ 4 | 13♈59 | 14♈49 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 23 s49 | 25n46 | 4n56 | 19 s 6 | 3n45 | 23 s24 | 1 s35 | 25n36 | 4n13 | 7n17 | 0 s51 | 19n59 | 2n 5 | 18n 7 | 0 s 2 | 9n34 | 2n 2 | 35n 5 | 11n18 | 6n32 | 6n15 | 4n18 | | n.a. | |
| T 2 | 23 51 | 21 57 | 4 33 | 19 4 | 3 41 | 23 10 | 1 34 | 25 40 | 4 16 | 7 17 | 0 51 | 20 0 | 2 5 | 18 6 | 0 2 | 9 34 | 2 2 | 35 5 | 11 18 | 6 29 | 6 14 | 4 21 | | n.a. | |
| W 3 | 23 53 | 16 54 | 3 54 | 19 4 | 3 35 | 22 55 | 1 33 | 25 45 | 4 18 | 7 17 | 0 50 | 20 1 | 2 6 | 18 5 | 0 2 | 9 34 | 2 2 | 35 5 | 11 18 | 6 26 | 6 13 | 4 25 | | n.a. | |
| T 4 | 23 54 | 10 57 | 3 1 | 19 7 | 3 28 | 22 40 | 1 32 | 25 50 | 4 20 | 7 18 | 0 50 | 20 2 | 2 6 | 18 5 | 0 2 | 9 35 | 2 2 | 35 5 | 11 18 | 6 25 | 6 11 | 4 28 | | n.a. | |
| F 5 | 23 55 | 4 25 | 1 56 | 19 11 | 3 20 | 22 24 | 1 31 | 25 54 | 4 22 | 7 18 | 0 50 | 20 3 | 2 6 | 18 4 | 0 2 | 9 35 | 2 2 | 35 5 | 11 18 | 6 24 | 6 10 | 4 32 | | n.a. | |
| S 6 | 23 55 | 2 s22 | 0 45 | 19 18 | 3 11 | 22 7 | 1 30 | 25 59 | 4 24 | 7 19 | 0 50 | 20 4 | 2 6 | 18 4 | 0 2 | 9 35 | 2 2 | 35 6 | 11 18 | 6 24 | 6 9 | 4 35 | | n.a. | |
| S 7 | 23 55 | 9 5 | 0 s30 | 19 26 | 3 1 | 21 50 | 1 28 | 26 4 | 4 26 | 7 19 | 0 49 | 20 5 | 2 7 | 18 3 | 0 2 | 9 35 | 2 2 | 35 6 | 11 18 | 6 24 | 6 8 | 4 39 | | n.a. | |
| M 8 | 23 55 | 15 23 | 1 43 | 19 36 | 2 51 | 21 32 | 1 27 | 26 9 | 4 28 | 7 20 | 0 49 | 20 6 | 2 7 | 18 3 | 0 2 | 9 35 | 2 2 | 35 6 | 11 18 | 6 24 | 6 6 | 4 42 | | n.a. | |
| T 9 | 23 54 | 20 52 | 2 50 | 19 47 | 2 40 | 21 13 | 1 26 | 26 14 | 4 30 | 7 21 | 0 49 | 20 7 | 2 7 | 18 3 | 0 2 | 9 35 | 2 2 | 35 6 | 11 19 | 6 22 | 6 5 | 4 46 | | n.a. | |
| W10 | 23 52 | 25 8 | 3 46 | 20 0 | 2 29 | 20 54 | 1 24 | 26 19 | 4 32 | 7 22 | 0 48 | 20 8 | 2 7 | 18 2 | 0 2 | 9 36 | 2 2 | 35 6 | 11 19 | 6 20 | 6 4 | 4 49 | | n.a. | |
| T 11 | 23 50 | 27 51 | 4 28 | 20 13 | 2 17 | 20 34 | 1 23 | 26 24 | 4 33 | 7 23 | 0 48 | 20 9 | 2 7 | 18 2 | 0 2 | 9 36 | 2 2 | 35 6 | 11 19 | 6 16 | 6 3 | 4 52 | | n.a. | |
| F 12 | 23 48 | 28 47 | 4 53 | 20 28 | 2 6 | 20 14 | 1 21 | 26 29 | 4 35 | 7 24 | 0 48 | 20 10 | 2 8 | 18 1 | 0 2 | 9 36 | 2 2 | 35 7 | 11 19 | 6 11 | 6 1 | 4 56 | | n.a. | |
| S 13 | 23 45 | 27 55 | 5 0 | 20 43 | 1 54 | 19 53 | 1 19 | 26 34 | 4 36 | 7 25 | 0 48 | 20 11 | 2 8 | 18 1 | 0 2 | 9 36 | 2 2 | 35 7 | 11 19 | 6 6 | 6 0 | 4 59 | | n.a. | |
| S 14 | 23 42 | 25 26 | 4 51 | 20 59 | 1 42 | 19 32 | 1 18 | 26 39 | 4 38 | 7 26 | 0 47 | 20 12 | 2 8 | 18 0 | 0 2 | 9 37 | 2 3 | 35 7 | 11 19 | 6 1 | 5 59 | 5 3 | | n.a. | |
| M15 | 23 38 | 21 42 | 4 27 | 21 15 | 1 31 | 19 10 | 1 16 | 26 44 | 4 39 | 7 27 | 0 47 | 20 14 | 2 8 | 18 0 | 0 2 | 9 37 | 2 3 | 35 7 | 11 19 | 5 57 | 5 58 | 5 6 | | n.a. | |
| T 16 | 23 34 | 17 2 | 3 50 | 21 32 | 1 19 | 18 47 | 1 14 | 26 48 | 4 40 | 7 28 | 0 47 | 20 15 | 2 8 | 18 0 | 0 2 | 9 37 | 2 3 | 35 7 | 11 19 | 5 53 | 5 56 | 5 10 | | n.a. | |
| W17 | 23 29 | 11 47 | 3 3 | 21 48 | 1 8 | 18 24 | 1 12 | 26 53 | 4 42 | 7 30 | 0 46 | 20 16 | 2 9 | 17 59 | 0 2 | 9 37 | 2 3 | 35 7 | 11 19 | 5 51 | 5 55 | 5 13 | | n.a. | |
| T 18 | 23 24 | 6 12 | 2 8 | 22 5 | 0 57 | 18 1 | 1 10 | 26 58 | 4 43 | 7 31 | 0 46 | 20 17 | 2 9 | 17 59 | 0 2 | 9 38 | 2 3 | 35 7 | 11 19 | 5 50 | 5 54 | 5 17 | | n.a. | |
| F 19 | 23 18 | 0 29 | 1 9 | 22 22 | 0 46 | 17 37 | 1 8 | 27 2 | 4 44 | 7 33 | 0 46 | 20 18 | 2 9 | 17 59 | 0 2 | 9 38 | 2 3 | 35 8 | 11 19 | 5 49 | 5 52 | 5 20 | | n.a. | |
| S 20 | 23 12 | 5n13 | 0 7 | 22 38 | 0 36 | 17 13 | 1 5 | 27 7 | 4 45 | 7 34 | 0 46 | 20 20 | 2 9 | 17 58 | 0 2 | 9 38 | 2 3 | 35 8 | 11 19 | 5 49 | 5 51 | 5 23 | | n.a. | |
| S 21 | 23 6 | 10 44 | 0n56 | 22 54 | 0 25 | 16 48 | 1 3 | 27 11 | 4 45 | 7 36 | 0 45 | 20 21 | 2 9 | 17 58 | 0 2 | 9 39 | 2 3 | 35 8 | 11 19 | 5 49 | 5 50 | 5 27 | | n.a. | |
| M22 | 22 59 | 15 54 | 1 56 | 23 10 | 0 15 | 16 23 | 1 1 | 27 15 | 4 46 | 7 38 | 0 45 | 20 22 | 2 9 | 17 58 | 0 2 | 9 39 | 2 3 | 35 8 | 11 19 | 5 48 | 5 49 | 5 30 | | n.a. | |
| T 23 | 22 52 | 20 33 | 2 52 | 23 25 | 0 5 | 15 57 | 0 58 | 27 19 | 4 46 | 7 39 | 0 45 | 20 23 | 2 10 | 17 57 | 0 2 | 9 39 | 2 3 | 35 8 | 11 19 | 5 47 | 5 47 | 5 34 | | n.a. | |
| W24 | 22 44 | 24 25 | 3 41 | 23 39 | 0 s 5 | 15 31 | 0 56 | 27 23 | 4 47 | 7 41 | 0 45 | 20 25 | 2 10 | 17 57 | 0 2 | 9 40 | 2 3 | 35 8 | 11 19 | 5 45 | 5 46 | 5 37 | | n.a. | |
| T 25 | 22 36 | 27 14 | 4 20 | 23 53 | 0 14 | 15 5 | 0 53 | 27 26 | 4 47 | 7 43 | 0 44 | 20 26 | 2 10 | 17 57 | 0 2 | 9 40 | 2 3 | 35 8 | 11 19 | 5 41 | 5 45 | 5 41 | | n.a. | |
| F 26 | 22 27 | 28 40 | 4 47 | 24 7 | 0 23 | 14 38 | 0 51 | 27 30 | 4 47 | 7 45 | 0 44 | 20 27 | 2 10 | 17 57 | 0 2 | 9 41 | 2 3 | 35 8 | 11 19 | 5 37 | 5 44 | 5 44 | | n.a. | |
| S 27 | 22 18 | 28 31 | 5 0 | 24 19 | 0 32 | 14 11 | 0 48 | 27 33 | 4 47 | 7 47 | 0 44 | 20 29 | 2 10 | 17 56 | 0 2 | 9 41 | 2 3 | 35 8 | 11 19 | 5 32 | 5 42 | 5 48 | | n.a. | |
| S 28 | 22 9 | 26 38 | 4 56 | 24 30 | 0 40 | 13 44 | 0 45 | 27 36 | 4 47 | 7 49 | 0 44 | 20 30 | 2 10 | 17 56 | 0 2 | 9 41 | 2 3 | 35 8 | 11 19 | 5 27 | 5 41 | 5 51 | | n.a. | |
| M29 | 21 59 | 23 8 | 4 34 | 24 41 | 0 48 | 13 16 | 0 42 | 27 39 | 4 47 | 7 51 | 0 43 | 20 31 | 2 11 | 17 56 | 0 2 | 9 42 | 2 3 | 35 8 | 11 19 | 5 22 | 5 40 | 5 54 | | n.a. | |
| T 30 | 21 49 | 18 15 | 3 56 | 24 50 | 0 56 | 12 48 | 0 40 | 27 41 | 4 47 | 7 54 | 0 43 | 20 33 | 2 11 | 17 56 | 0 2 | 9 42 | 2 4 | 35 8 | 11 19 | 5 19 | 5 39 | 5 58 | | n.a. | |
| W31 | 21 s38 | 12n21 | 3n 3 | 24 s58 | 1 s 3 | 12 s19 | 0 s37 | 27n44 | 4n46 | 7n56 | 0 s43 | 20n34 | 2n11 | 17n55 | 0 s 2 | 9n43 | 2n 4 | 35n 8 | 11n19 | 5n16 | 5n37 | 6n 1 | | n.a. | |

Julian Day Number = 992018.5, Delta T = 13h01m20s
Ecliptic obliquity = 23°55'34, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'19, Lahiri = -31°29'19 Julian Calendar 1 Jan. 1997 BCE == Greg. Calendar 15 Dec. 1998 BCE

The year -1996 astronomical counting style corresponds to year 1997 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## FEBRUARY 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 34 18 | 25♉37'10 | 20♍ 9 | 0♉27 | 1♓ 3 | 15°R13 | 21♈42 | 8°R35 | 19°R27 | 10°R24 | 5°R 2 | 13°R 0 | 13♈56 | 14♈56 | n.a. | T 1 |
| F 2 | 7 38 14 | 26°36'39 | 4♎22 | 1°49 | 2°15 | 14♋51 | 21°48 | 8♏30 | 19♉26 | 10♍23 | 5♋ 1 | 12♈59 | 13°53 | 15° 2 | n.a. | F 2 |
| S 3 | 7 42 11 | 27°36'06 | 18°32 | 3°13 | 3°26 | 14°29 | 21°54 | 8°26 | 19°26 | 10°22 | 4°59 | 12°D59 | 13°49 | 15° 9 | n.a. | S 3 |
| S 4 | 7 46 8 | 28°35'31 | 2♏37 | 4°38 | 4°38 | 14° 7 | 22° 0 | 8°21 | 19°25 | 10°21 | 4°58 | 12°R59 | 13°46 | 15°15 | n.a. | S 4 |
| M 5 | 7 50 4 | 29°34'55 | 16°38 | 6° 5 | 5°49 | 13°45 | 22° 6 | 8°17 | 19°25 | 10°20 | 4°57 | 12°58 | 13°43 | 15°22 | n.a. | M 5 |
| T 6 | 7 54 1 | 0♒34'17 | 0♐32 | 7°33 | 7° 0 | 13°24 | 22°12 | 8°12 | 19°24 | 10°19 | 4°55 | 12°55 | 13°40 | 15°29 | n.a. | T 6 |
| W 7 | 7 57 57 | 1°33'36 | 14°20 | 9° 2 | 8°12 | 13° 4 | 22°19 | 8° 8 | 19°24 | 10°18 | 4°54 | 12°49 | 13°37 | 15°35 | n.a. | W 7 |
| T 8 | 8 1 54 | 2°32'54 | 28° 0 | 10°33 | 9°23 | 12°44 | 22°25 | 8° 3 | 19°24 | 10°17 | 4°53 | 12°40 | 13°34 | 15°42 | n.a. | T 8 |
| F 9 | 8 5 50 | 3°32'10 | 11♉29 | 12° 6 | 10°34 | 12°24 | 22°32 | 7°59 | 19°24 | 10°15 | 4°51 | 12°30 | 13°30 | 15°49 | n.a. | F 9 |
| S 10 | 8 9 47 | 4°31'24 | 24°45 | 13°39 | 11°45 | 12° 5 | 22°39 | 7°54 | 19°23 | 10°14 | 4°50 | 12°18 | 13°27 | 15°55 | n.a. | S 10 |
| S 11 | 8 13 43 | 5°30'35 | 7♒47 | 15°15 | 12°56 | 11°47 | 22°46 | 7°49 | 19°23 | 10°13 | 4°49 | 12° 6 | 13°24 | 16° 2 | n.a. | S 11 |
| M12 | 8 17 40 | 6°29'44 | 20°33 | 16°51 | 14° 6 | 11°29 | 22°53 | 7°45 | 19°D23 | 10°12 | 4°47 | 11°56 | 13°21 | 16° 9 | n.a. | M12 |
| T 13 | 8 21 37 | 7°28'51 | 3♓ 4 | 18°29 | 15°17 | 11°12 | 23° 1 | 7°40 | 19°23 | 10°10 | 4°46 | 11°47 | 13°18 | 16°15 | n.a. | T 13 |
| W14 | 8 25 33 | 8°27'55 | 15°19 | 20° 9 | 16°28 | 10°56 | 23° 8 | 7°35 | 19°23 | 10° 9 | 4°45 | 11°41 | 13°15 | 16°22 | n.a. | W14 |
| T 15 | 8 29 30 | 9°26'57 | 27°21 | 21°49 | 17°38 | 10°40 | 23°16 | 7°31 | 19°23 | 10° 8 | 4°44 | 11°38 | 13°11 | 16°29 | n.a. | T 15 |
| F 16 | 8 33 26 | 10°25'57 | 9♈15 | 23°31 | 18°48 | 10°25 | 23°24 | 7°26 | 19°24 | 10° 6 | 4°43 | 11°D37 | 13° 8 | 16°35 | n.a. | F 16 |
| S 17 | 8 37 23 | 11°24'54 | 21° 3 | 25°15 | 19°59 | 10°11 | 23°32 | 7°22 | 19°24 | 10° 5 | 4°41 | 11°37 | 13° 5 | 16°42 | n.a. | S 17 |
| S 18 | 8 41 19 | 12°23'49 | 2♉51 | 27° 0 | 21° 9 | 9°57 | 23°40 | 7°17 | 19°24 | 10° 4 | 4°40 | 11°38 | 13° 2 | 16°49 | n.a. | S 18 |
| M19 | 8 45 16 | 13°22'41 | 14°44 | 28°46 | 22°19 | 9°44 | 23°48 | 7°12 | 19°24 | 10° 2 | 4°39 | 11°R38 | 12°59 | 16°55 | n.a. | M19 |
| T 20 | 8 49 12 | 14°21'31 | 26°48 | 0♒34 | 23°28 | 9°32 | 23°56 | 7° 8 | 19°25 | 10° 1 | 4°38 | 11°37 | 12°55 | 17° 2 | n.a. | T 20 |
| W21 | 8 53 9 | 15°20'19 | 9♊ 8 | 2°24 | 24°38 | 9°21 | 24° 4 | 7° 3 | 19°25 | 9°59 | 4°37 | 11°34 | 12°52 | 17° 8 | n.a. | W21 |
| T 22 | 8 57 5 | 16°19'04 | 21°47 | 4°14 | 25°48 | 9°11 | 24°13 | 6°59 | 19°26 | 9°58 | 4°36 | 11°29 | 12°49 | 17°15 | n.a. | T 22 |
| F 23 | 9 1 2 | 17°17'47 | 4♋50 | 6° 7 | 26°57 | 9° 1 | 24°22 | 6°54 | 19°26 | 9°56 | 4°35 | 11°23 | 12°46 | 17°22 | n.a. | F 23 |
| S 24 | 9 4 59 | 18°16'27 | 18°18 | 8° 0 | 28° 7 | 8°52 | 24°30 | 6°50 | 19°27 | 9°55 | 4°34 | 11°14 | 12°43 | 17°28 | n.a. | S 24 |
| S 25 | 9 8 55 | 19°15'05 | 2♌ 9 | 9°55 | 29°16 | 8°44 | 24°39 | 6°45 | 19°27 | 9°53 | 4°33 | 11° 6 | 12°40 | 17°35 | n.a. | S 25 |
| M26 | 9 12 52 | 20°13'41 | 16°22 | 11°52 | 0♈25 | 8°37 | 24°48 | 6°41 | 19°28 | 9°52 | 4°32 | 10°57 | 12°36 | 17°42 | n.a. | M26 |
| T 27 | 9 16 48 | 21°12'15 | 0♍50 | 13°50 | 1°34 | 8°31 | 24°58 | 6°36 | 19°29 | 9°50 | 4°31 | 10°51 | 12°33 | 17°48 | n.a. | T 27 |
| W28 | 9 20 45 | 22°10'47 | 15°27 | 15°49 | 2°42 | 8°25 | 25° 7 | 6°32 | 19°30 | 9°49 | 4°30 | 10°46 | 12°30 | 17°55 | n.a. | W28 |
| T 29 | 9 24 41 | 23♒ 9'16 | 0♎ 6 | 17♒50 | 3♈51 | 8♋20 | 25♈16 | 6♌28 | 19♉31 | 9♍47 | 4♋29 | 10♈44 | 12♈27 | 18♈ 2 | n.a. | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21 s27 | 5n47 | 1n58 | 25 s 6 | 1 s10 | 11 s51 | 0 s34 | 27n46 | 4n46 | 7n58 | 0 s43 | 20n35 | 2n11 | 17n55 | 0 s 2 | 9n43 | 2n 4 | 35n 8 | 11n19 | 5n14 | 5n36 | 6n 5 | | n.a. |
| F 2 | 21 16 | 1 s 5 | 0 45 | 25 12 | 1 17 | 11 22 | 0 31 | 27 48 | 4 45 | 8 1 | 0 42 | 20 37 | 2 11 | 17 55 | 0 2 | 9 43 | 2 4 | 35 8 | 11 19 | 5 14 | 5 35 | 6 8 | | n.a. |
| S 3 | 21 4 | 7 51 | 0 s29 | 25 16 | 1 23 | 10 53 | 0 28 | 27 50 | 4 45 | 8 3 | 0 42 | 20 38 | 2 11 | 17 55 | 0 2 | 9 44 | 2 4 | 35 8 | 11 19 | 5 14 | 5 34 | 6 12 | | n.a. |
| S 4 | 20 52 | 14 13 | 1 42 | 25 20 | 1 29 | 10 23 | 0 24 | 27 52 | 4 44 | 8 6 | 0 42 | 20 39 | 2 11 | 17 55 | 0 2 | 9 44 | 2 4 | 35 8 | 11 19 | 5 14 | 5 32 | 6 15 | | n.a. |
| M 5 | 20 39 | 19 50 | 2 48 | 25 21 | 1 35 | 9 54 | 0 21 | 27 53 | 4 43 | 8 8 | 0 42 | 20 40 | 2 11 | 17 55 | 0 2 | 9 45 | 2 4 | 35 8 | 11 19 | 5 13 | 5 31 | 6 18 | | n.a. |
| T 6 | 20 26 | 24 19 | 3 44 | 25 22 | 1 40 | 9 24 | 0 18 | 27 54 | 4 42 | 8 11 | 0 41 | 20 42 | 2 12 | 17 55 | 0 2 | 9 45 | 2 4 | 35 8 | 11 19 | 5 12 | 5 30 | 6 22 | | n.a. |
| W 7 | 20 13 | 27 23 | 4 26 | 25 21 | 1 45 | 8 54 | 0 15 | 27 55 | 4 41 | 8 13 | 0 41 | 20 43 | 2 12 | 17 55 | 0 2 | 9 46 | 2 4 | 35 8 | 11 19 | 5 10 | 5 29 | 6 25 | | n.a. |
| T 8 | 19 59 | 28 47 | 4 52 | 25 18 | 1 49 | 8 23 | 0 11 | 27 56 | 4 39 | 8 16 | 0 41 | 20 44 | 2 12 | 17 55 | 0 1 | 9 46 | 2 4 | 35 8 | 11 19 | 5 6 | 5 27 | 6 29 | | n.a. |
| F 9 | 19 45 | 28 26 | 5 2 | 25 14 | 1 53 | 7 53 | 0 8 | 27 57 | 4 38 | 8 19 | 0 41 | 20 46 | 2 12 | 17 55 | 0 1 | 9 47 | 2 4 | 35 8 | 11 19 | 5 2 | 5 26 | 6 32 | | n.a. |
| S 10 | 19 31 | 26 26 | 4 55 | 25 8 | 1 56 | 7 22 | 0 5 | 27 57 | 4 37 | 8 22 | 0 40 | 20 47 | 2 12 | 17 54 | 0 1 | 9 47 | 2 4 | 35 8 | 11 19 | 4 57 | 5 25 | 6 36 | | n.a. |
| S 11 | 19 17 | 23 4 | 4 33 | 25 1 | 2 0 | 6 51 | 0 1 | 27 57 | 4 35 | 8 25 | 0 40 | 20 48 | 2 12 | 17 54 | 0 1 | 9 48 | 2 4 | 35 8 | 11 18 | 4 53 | 5 24 | 6 39 | | n.a. |
| M12 | 19 2 | 18 40 | 3 57 | 24 52 | 2 2 | 6 20 | 0n 2 | 27 58 | 4 34 | 8 28 | 0 40 | 20 50 | 2 12 | 17 54 | 0 1 | 9 48 | 2 4 | 35 8 | 11 18 | 4 48 | 5 22 | 6 42 | | n.a. |
| T 13 | 18 46 | 13 32 | 3 10 | 24 41 | 2 5 | 5 49 | 0 6 | 27 57 | 4 32 | 8 31 | 0 40 | 20 51 | 2 12 | 17 54 | 0 1 | 9 49 | 2 4 | 35 8 | 11 18 | 4 45 | 5 21 | 6 46 | | n.a. |
| W14 | 18 31 | 7 59 | 2 16 | 24 28 | 2 6 | 5 18 | 0 9 | 27 57 | 4 30 | 8 34 | 0 39 | 20 52 | 2 12 | 17 55 | 0 1 | 9 50 | 2 4 | 35 8 | 11 18 | 4 43 | 5 20 | 6 49 | | n.a. |
| T 15 | 18 15 | 2 13 | 1 15 | 24 13 | 2 8 | 4 47 | 0 13 | 27 57 | 4 28 | 8 37 | 0 39 | 20 54 | 2 12 | 17 55 | 0 1 | 9 50 | 2 4 | 35 8 | 11 18 | 4 41 | 5 19 | 6 53 | | n.a. |
| F 16 | 17 59 | 3n33 | 0 13 | 23 56 | 2 9 | 4 16 | 0 17 | 27 56 | 4 26 | 8 40 | 0 39 | 20 55 | 2 12 | 17 55 | 0 1 | 9 51 | 2 4 | 35 8 | 11 18 | 4 41 | 5 17 | 6 56 | | n.a. |
| S 17 | 17 42 | 9 9 | 0n50 | 23 38 | 2 9 | 3 44 | 0 20 | 27 55 | 4 25 | 8 43 | 0 39 | 20 56 | 2 12 | 17 55 | 0 1 | 9 51 | 2 4 | 35 8 | 11 18 | 4 41 | 5 16 | 6 59 | | n.a. |
| S 18 | 17 26 | 14 27 | 1 51 | 23 17 | 2 9 | 3 13 | 0 24 | 27 54 | 4 23 | 8 46 | 0 39 | 20 57 | 2 12 | 17 55 | 0 1 | 9 52 | 2 4 | 35 8 | 11 18 | 4 41 | 5 15 | 7 3 | | n.a. |
| M19 | 17 9 | 19 15 | 2 48 | 22 55 | 2 8 | 2 41 | 0 28 | 27 53 | 4 21 | 8 50 | 0 38 | 20 59 | 2 12 | 17 55 | 0 1 | 9 52 | 2 4 | 35 8 | 11 18 | 4 42 | 5 14 | 7 6 | | n.a. |
| T 20 | 16 51 | 23 22 | 3 38 | 22 30 | 2 7 | 2 10 | 0 31 | 27 52 | 4 18 | 8 53 | 0 38 | 21 0 | 2 12 | 17 55 | 0 1 | 9 53 | 2 5 | 35 8 | 11 17 | 4 41 | 5 12 | 7 10 | | n.a. |
| W21 | 16 34 | 26 32 | 4 19 | 22 4 | 2 5 | 1 38 | 0 35 | 27 51 | 4 16 | 8 56 | 0 38 | 21 1 | 2 13 | 17 55 | 0 1 | 9 54 | 2 5 | 35 7 | 11 17 | 4 40 | 5 11 | 7 13 | | n.a. |
| T 22 | 16 16 | 28 28 | 4 49 | 21 35 | 2 3 | 1 7 | 0 39 | 27 50 | 4 14 | 9 0 | 0 38 | 21 2 | 2 13 | 17 55 | 0 1 | 9 54 | 2 5 | 35 7 | 11 17 | 4 38 | 5 10 | 7 17 | | n.a. |
| F 23 | 15 58 | 28 54 | 5 4 | 21 4 | 2 1 | 0 35 | 0 43 | 27 48 | 4 12 | 9 3 | 0 37 | 21 3 | 2 13 | 17 55 | 0 1 | 9 55 | 2 5 | 35 7 | 11 17 | 4 35 | 5 8 | 7 20 | | n.a. |
| S 24 | 15 40 | 27 40 | 5 4 | 20 31 | 1 57 | 0 3 | 0 47 | 27 46 | 4 10 | 9 7 | 0 37 | 21 5 | 2 13 | 17 56 | 0 1 | 9 55 | 2 5 | 35 7 | 11 17 | 4 32 | 5 7 | 7 23 | | n.a. |
| S 25 | 15 21 | 24 43 | 4 46 | 19 56 | 1 54 | 0n28 | 0 50 | 27 45 | 4 7 | 9 10 | 0 37 | 21 6 | 2 13 | 17 56 | 0 1 | 9 56 | 2 5 | 35 7 | 11 17 | 4 29 | 5 6 | 7 27 | | n.a. |
| M26 | 15 2 | 20 13 | 4 10 | 19 19 | 1 49 | 1 0 | 0 54 | 27 43 | 4 5 | 9 14 | 0 37 | 21 7 | 2 13 | 17 56 | 0 1 | 9 57 | 2 5 | 35 7 | 11 16 | 4 25 | 5 5 | 7 30 | | n.a. |
| T 27 | 14 43 | 14 29 | 3 18 | 18 40 | 1 44 | 1 31 | 0 58 | 27 41 | 4 3 | 9 17 | 0 37 | 21 8 | 2 13 | 17 56 | 0 1 | 9 57 | 2 5 | 35 7 | 11 16 | 4 23 | 5 3 | 7 34 | | n.a. |
| W28 | 14 24 | 7 52 | 2 12 | 17 59 | 1 39 | 2 3 | 1 2 | 27 39 | 4 0 | 9 21 | 0 36 | 21 9 | 2 13 | 17 56 | 0 1 | 9 58 | 2 5 | 35 7 | 11 16 | 4 21 | 5 2 | 7 37 | | n.a. |
| T 29 | 14 s 4 | 0n50 | 0n57 | 17 s16 | 1 s33 | 2n34 | 1n 6 | 27n37 | 3n58 | 9n25 | 0 s36 | 21n10 | 2n13 | 17n57 | 0 s 1 | 9n58 | 2n 5 | 35n 6 | 11n16 | 4n20 | 5n 1 | 7n40 | | n.a. |

Julian Day Number = 992049.5, Delta T = 13h01m18s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'15, Lahiri = -31°29'15 Julian Calendar 1 Feb. 1997 BCE == Greg. Calendar 15 Jan. 1997 BCE


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## MARCH 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 28 38 | 24♒ 7'44 | 14♎42 | 19♒52 | 5♈ 0 | 8°R16 | 25♈26 | 6°R23 | 19♉31 | 9°R46 | 4°R28 | 10°D43 | 12♈24 | 18♈ 8 | n.a. | F 1 |
| S 2 | 9 32 34 | 25° 6'10 | 29° 9 | 21°55 | 6° 8 | 8♋13 | 25°35 | 6♌19 | 19°32 | 9♍44 | 4♋27 | 10♈44 | 12°21 | 18°15 | n.a. | S 2 |
| S 3 | 9 36 31 | 26° 4'34 | 13♏25 | 24° 0 | 7°16 | 8°10 | 25°45 | 6°15 | 19°33 | 9°43 | 4°27 | 10°46 | 12°17 | 18°22 | n.a. | S 3 |
| M 4 | 9 40 27 | 27° 2'57 | 27°27 | 26° 5 | 8°24 | 8° 8 | 25°55 | 6°11 | 19°34 | 9°41 | 4°26 | 10°R46 | 12°14 | 18°28 | n.a. | M 4 |
| T 5 | 9 44 24 | 28° 1'18 | 11♐15 | 28°12 | 9°32 | 8° 7 | 26° 5 | 6° 7 | 19°36 | 9°40 | 4°25 | 10°45 | 12°11 | 18°35 | n.a. | T 5 |
| W 6 | 9 48 21 | 28°59'37 | 24°49 | 0♓18 | 10°39 | 8°D 7 | 26°15 | 6° 3 | 19°37 | 9°38 | 4°24 | 10°43 | 12° 8 | 18°42 | n.a. | W 6 |
| T 7 | 9 52 17 | 29°57'55 | 8♑ 9 | 2°26 | 11°47 | 8° 8 | 26°25 | 5°59 | 19°38 | 9°36 | 4°23 | 10°38 | 12° 5 | 18°48 | n.a. | T 7 |
| F 8 | 9 56 14 | 0♓56'11 | 21°16 | 4°34 | 12°54 | 8° 9 | 26°35 | 5°55 | 19°39 | 9°35 | 4°23 | 10°32 | 12° 1 | 18°55 | n.a. | F 8 |
| S 9 | 10 0 10 | 1°54'25 | 4♒ 9 | 6°41 | 14° 2 | 8°11 | 26°45 | 5°51 | 19°41 | 9°33 | 4°22 | 10°26 | 11°58 | 19° 1 | n.a. | S 9 |
| S 10 | 10 4 7 | 2°52'37 | 16°50 | 8°49 | 15° 9 | 8°14 | 26°56 | 5°47 | 19°42 | 9°32 | 4°21 | 10°19 | 11°55 | 19° 8 | n.a. | S 10 |
| M11 | 10 8 3 | 3°50'47 | 29°18 | 10°56 | 16°15 | 8°17 | 27° 6 | 5°43 | 19°43 | 9°30 | 4°21 | 10°13 | 11°52 | 19°15 | n.a. | M11 |
| T 12 | 10 12 0 | 4°48'55 | 11♓34 | 13° 2 | 17°22 | 8°21 | 27°17 | 5°39 | 19°45 | 9°28 | 4°20 | 10° 9 | 11°49 | 19°21 | n.a. | T 12 |
| W13 | 10 15 56 | 5°47'02 | 23°39 | 15° 7 | 18°28 | 8°26 | 27°27 | 5°36 | 19°46 | 9°27 | 4°20 | 10° 6 | 11°46 | 19°28 | n.a. | W13 |
| T 14 | 10 19 53 | 6°45'06 | 5♈36 | 17°11 | 19°35 | 8°32 | 27°38 | 5°32 | 19°48 | 9°25 | 4°19 | 10°D 4 | 11°42 | 19°35 | n.a. | T 14 |
| F 15 | 10 23 49 | 7°43'09 | 17°26 | 19°12 | 20°41 | 8°38 | 27°49 | 5°28 | 19°49 | 9°23 | 4°19 | 10° 4 | 11°39 | 19°41 | n.a. | F 15 |
| S 16 | 10 27 46 | 8°41'09 | 29°13 | 21°12 | 21°47 | 8°45 | 28° 0 | 5°25 | 19°51 | 9°22 | 4°18 | 10° 6 | 11°36 | 19°48 | n.a. | S 16 |
| S 17 | 10 31 43 | 9°39'08 | 11♉ 1 | 23° 9 | 22°52 | 8°53 | 28°11 | 5°21 | 19°53 | 9°20 | 4°18 | 10° 7 | 11°33 | 19°55 | n.a. | S 17 |
| M18 | 10 35 39 | 10°37'05 | 22°54 | 25° 4 | 23°58 | 9° 1 | 28°22 | 5°18 | 19°55 | 9°18 | 4°17 | 10° 9 | 11°30 | 20° 1 | n.a. | M18 |
| T 19 | 10 39 36 | 11°34'59 | 4♊57 | 26°56 | 25° 3 | 9°10 | 28°33 | 5°15 | 19°56 | 9°17 | 4°17 | 10°10 | 11°26 | 20° 8 | n.a. | T 19 |
| W20 | 10 43 32 | 12°32'52 | 17°16 | 28°45 | 26° 8 | 9°19 | 28°44 | 5°12 | 19°58 | 9°15 | 4°16 | 10°R10 | 11°23 | 20°15 | n.a. | W20 |
| T 21 | 10 47 29 | 13°30'43 | 29°53 | 0♈31 | 27°13 | 9°29 | 28°56 | 5° 8 | 20° 0 | 9°14 | 4°16 | 10° 9 | 11°20 | 20°21 | n.a. | T 21 |
| F 22 | 10 51 25 | 14°28'32 | 12♋54 | 2°14 | 28°17 | 9°40 | 29° 7 | 5° 5 | 20° 2 | 9°12 | 4°16 | 10° 7 | 11°17 | 20°28 | n.a. | F 22 |
| S 23 | 10 55 22 | 15°26'19 | 26°22 | 3°53 | 29°21 | 9°51 | 29°19 | 5° 2 | 20° 4 | 9°10 | 4°15 | 10° 4 | 11°14 | 20°35 | n.a. | S 23 |
| S 24 | 10 59 18 | 16°24'04 | 10♌16 | 5°28 | 0♉25 | 10° 3 | 29°30 | 5° 0 | 20° 6 | 9° 9 | 4°15 | 10° 1 | 11°11 | 20°41 | n.a. | S 24 |
| M25 | 11 3 15 | 17°21'47 | 24°35 | 7° 0 | 1°29 | 10°16 | 29°42 | 4°57 | 20° 8 | 9° 7 | 4°15 | 9°57 | 11° 7 | 20°48 | n.a. | M25 |
| T 26 | 11 7 11 | 18°19'28 | 9♍15 | 8°28 | 2°33 | 10°29 | 29°54 | 4°54 | 20°10 | 9° 6 | 4°15 | 9°55 | 11° 4 | 20°54 | n.a. | T 26 |
| W27 | 11 11 8 | 19°17'08 | 24° 9 | 9°52 | 3°36 | 10°42 | 0♉ 5 | 4°51 | 20°12 | 9° 4 | 4°14 | 9°53 | 11° 1 | 21° 1 | n.a. | W27 |
| T 28 | 11 15 5 | 20°14'47 | 9♎10 | 11°13 | 4°39 | 10°56 | 0°17 | 4°49 | 20°14 | 9° 2 | 4°14 | 9°D53 | 10°58 | 21° 8 | n.a. | T 28 |
| F 29 | 11 19 1 | 21°12'23 | 24° 8 | 12°29 | 5°41 | 11°11 | 0°29 | 4°46 | 20°17 | 9° 1 | 4°14 | 9°53 | 10°55 | 21°14 | n.a. | F 29 |
| S 30 | 11 22 58 | 22° 9'59 | 8♏57 | 13°42 | 6°44 | 11°26 | 0°41 | 4°44 | 20°19 | 8°59 | 4°14 | 9°54 | 10°52 | 21°21 | n.a. | S 30 |
| S 31 | 11 26 54 | 23♓ 7'34 | 23♏30 | 14♈50 | 7♉46 | 11♋42 | 0♉53 | 4♌42 | 20♉21 | 8♍58 | 4♋14 | 9♈55 | 10♈48 | 21♈28 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 13s45 | 6s14 | 0s21 | 16s31 | 1s26 | 3n 5 | 1n10 | 27n35 | 3n56 | 9n28 | 0s36 | 21n11 | 2n13 | 17n57 | 0s 1 | 9n59 | 2n 5 | 35n 6 | 11n16 | 4n20 | 5n 0 | 7n44 | | n.a. |
| S 2 | 13 25 | 12 55 | 1 38 | 15 44 | 1 19 | 3 36 | 1 14 | 27 33 | 3 53 | 9 32 | 0 36 | 21 13 | 2 13 | 17 57 | 0 1 | 10 0 | 2 5 | 35 6 | 11 16 | 4 20 | 4 58 | 7 47 | | n.a. |
| S 3 | 13 5 | 18 50 | 2 47 | 14 55 | 1 11 | 4 7 | 1 18 | 27 30 | 3 51 | 9 36 | 0 36 | 21 14 | 2 13 | 17 58 | 0 1 | 10 0 | 2 5 | 35 6 | 11 15 | 4 21 | 4 57 | 7 51 | | n.a. |
| M 4 | 12 45 | 23 39 | 3 46 | 14 4 | 1 3 | 4 38 | 1 21 | 27 28 | 3 48 | 9 40 | 0 35 | 21 15 | 2 13 | 17 58 | 0 1 | 10 1 | 2 5 | 35 6 | 11 15 | 4 21 | 4 56 | 7 54 | | n.a. |
| T 5 | 12 24 | 27 2 | 4 30 | 13 12 | 0 54 | 5 9 | 1 25 | 27 26 | 3 46 | 9 43 | 0 35 | 21 16 | 2 13 | 17 58 | 0 1 | 10 2 | 2 5 | 35 6 | 11 15 | 4 20 | 4 55 | 7 57 | | n.a. |
| W 6 | 12 4 | 28 47 | 4 58 | 12 18 | 0 45 | 5 40 | 1 29 | 27 23 | 3 44 | 9 47 | 0 35 | 21 17 | 2 13 | 17 58 | 0 1 | 10 2 | 2 5 | 35 5 | 11 15 | 4 19 | 4 53 | 8 1 | | n.a. |
| T 7 | 11 43 | 28 49 | 5 9 | 11 22 | 0 36 | 6 10 | 1 33 | 27 21 | 3 41 | 9 51 | 0 35 | 21 18 | 2 12 | 17 59 | 0 1 | 10 3 | 2 5 | 35 5 | 11 15 | 4 18 | 4 52 | 8 4 | | n.a. |
| F 8 | 11 22 | 27 13 | 5 4 | 10 26 | 0 26 | 6 41 | 1 37 | 27 18 | 3 39 | 9 55 | 0 35 | 21 19 | 2 12 | 17 59 | 0 1 | 10 3 | 2 5 | 35 5 | 11 14 | 4 15 | 4 51 | 8 7 | | n.a. |
| S 9 | 11 1 | 24 12 | 4 44 | 9 28 | 0 15 | 7 11 | 1 41 | 27 16 | 3 36 | 9 59 | 0 34 | 21 20 | 2 12 | 18 0 | 0 1 | 10 4 | 2 5 | 35 5 | 11 14 | 4 13 | 4 50 | 8 11 | | n.a. |
| S 10 | 10 39 | 20 4 | 4 10 | 8 30 | 0 5 | 7 41 | 1 44 | 27 13 | 3 34 | 10 3 | 0 34 | 21 21 | 2 12 | 18 0 | 0 1 | 10 5 | 2 5 | 35 5 | 11 14 | 4 10 | 4 48 | 8 14 | | n.a. |
| M11 | 10 18 | 15 7 | 3 24 | 7 31 | 0n 6 | 8 11 | 1 48 | 27 11 | 3 31 | 10 7 | 0 34 | 21 22 | 2 12 | 18 0 | 0 1 | 10 5 | 2 5 | 35 5 | 11 14 | 4 8 | 4 47 | 8 18 | | n.a. |
| T 12 | 9 56 | 9 40 | 2 29 | 6 32 | 0 17 | 8 40 | 1 52 | 27 8 | 3 29 | 10 11 | 0 34 | 21 22 | 2 12 | 18 1 | 0 1 | 10 6 | 2 5 | 35 4 | 11 14 | 4 6 | 4 46 | 8 21 | | n.a. |
| W13 | 9 35 | 3 55 | 1 29 | 5 33 | 0 28 | 9 10 | 1 56 | 27 5 | 3 26 | 10 15 | 0 34 | 21 23 | 2 12 | 18 1 | 0 1 | 10 7 | 2 5 | 35 4 | 11 13 | 4 5 | 4 44 | 8 24 | | n.a. |
| T 14 | 9 13 | 1n53 | 0 24 | 4 34 | 0 39 | 9 39 | 1 59 | 27 2 | 3 24 | 10 19 | 0 33 | 21 24 | 2 12 | 18 2 | 0 1 | 10 7 | 2 5 | 35 4 | 11 13 | 4 4 | 4 43 | 8 28 | | n.a. |
| F 15 | 8 51 | 7 36 | 0n40 | 3 35 | 0 50 | 10 8 | 2 3 | 27 0 | 3 22 | 10 24 | 0 33 | 21 25 | 2 12 | 18 2 | 0 1 | 10 8 | 2 5 | 35 4 | 11 13 | 4 4 | 4 42 | 8 31 | | n.a. |
| S 16 | 8 29 | 13 1 | 1 43 | 2 37 | 1 1 | 10 36 | 2 7 | 26 57 | 3 19 | 10 28 | 0 33 | 21 26 | 2 12 | 18 3 | 0 1 | 10 9 | 2 5 | 35 4 | 11 13 | 4 5 | 4 41 | 8 35 | | n.a. |
| S 17 | 8 6 | 17 59 | 2 42 | 1 40 | 1 12 | 11 5 | 2 10 | 26 54 | 3 17 | 10 32 | 0 33 | 21 27 | 2 12 | 18 3 | 0 1 | 10 9 | 2 5 | 35 3 | 11 12 | 4 5 | 4 39 | 8 38 | | n.a. |
| M18 | 7 44 | 22 19 | 3 34 | 0 45 | 1 22 | 11 33 | 2 14 | 26 51 | 3 15 | 10 36 | 0 33 | 21 27 | 2 12 | 18 4 | 0 1 | 10 10 | 2 5 | 35 3 | 11 12 | 4 6 | 4 38 | 8 41 | | n.a. |
| T 19 | 7 22 | 25 46 | 4 17 | 0n10 | 1 32 | 12 0 | 2 17 | 26 48 | 3 12 | 10 40 | 0 33 | 21 28 | 2 12 | 18 4 | 0 1 | 10 10 | 2 5 | 35 3 | 11 12 | 4 6 | 4 37 | 8 45 | | n.a. |
| W20 | 6 59 | 28 6 | 4 50 | 1 3 | 1 42 | 12 28 | 2 21 | 26 45 | 3 10 | 10 45 | 0 32 | 21 29 | 2 12 | 18 5 | 0 1 | 10 11 | 2 5 | 35 3 | 11 12 | 4 6 | 4 36 | 8 48 | | n.a. |
| T 21 | 6 37 | 29 5 | 5 9 | 1 54 | 1 51 | 12 55 | 2 24 | 26 42 | 3 7 | 10 49 | 0 32 | 21 30 | 2 12 | 18 5 | 0 1 | 10 12 | 2 5 | 35 3 | 11 12 | 4 6 | 4 34 | 8 51 | | n.a. |
| F 22 | 6 14 | 28 29 | 5 14 | 2 43 | 1 59 | 13 22 | 2 27 | 26 39 | 3 5 | 10 53 | 0 32 | 21 30 | 2 12 | 18 6 | 0 1 | 10 12 | 2 5 | 35 2 | 11 11 | 4 5 | 4 33 | 8 55 | | n.a. |
| S 23 | 5 51 | 26 14 | 5 2 | 3 31 | 2 7 | 13 49 | 2 31 | 26 35 | 3 3 | 10 57 | 0 32 | 21 31 | 2 11 | 18 6 | 0 1 | 10 13 | 2 5 | 35 2 | 11 11 | 4 4 | 4 32 | 8 58 | | n.a. |
| S 24 | 5 28 | 22 23 | 4 32 | 4 16 | 2 15 | 14 15 | 2 34 | 26 32 | 3 1 | 11 2 | 0 32 | 21 32 | 2 11 | 18 7 | 0 1 | 10 14 | 2 5 | 35 2 | 11 11 | 4 3 | 4 31 | 9 1 | | n.a. |
| M25 | 5 5 | 17 6 | 3 44 | 4 59 | 2 21 | 14 41 | 2 37 | 26 29 | 2 58 | 11 6 | 0 32 | 21 32 | 2 11 | 18 7 | 0 1 | 10 14 | 2 5 | 35 2 | 11 11 | 4 1 | 4 29 | 9 5 | | n.a. |
| T 26 | 4 42 | 10 44 | 2 41 | 5 40 | 2 27 | 15 6 | 2 40 | 26 26 | 2 56 | 11 10 | 0 31 | 21 33 | 2 11 | 18 8 | 0 1 | 10 15 | 2 5 | 35 1 | 11 10 | 4 0 | 4 28 | 9 8 | | n.a. |
| W27 | 4 19 | 3 41 | 1 26 | 6 19 | 2 32 | 15 31 | 2 43 | 26 22 | 2 54 | 11 15 | 0 31 | 21 33 | 2 11 | 18 8 | 0 1 | 10 15 | 2 5 | 35 1 | 11 10 | 4 0 | 4 27 | 9 12 | | n.a. |
| T 28 | 3 56 | 3s38 | 0 4 | 6 55 | 2 37 | 15 56 | 2 46 | 26 19 | 2 52 | 11 19 | 0 31 | 21 34 | 2 11 | 18 9 | 0 1 | 10 16 | 2 5 | 35 1 | 11 10 | 3 59 | 4 25 | 9 15 | | n.a. |
| F 29 | 3 33 | 10 45 | 1s18 | 7 29 | 2 40 | 16 20 | 2 49 | 26 15 | 2 49 | 11 23 | 0 31 | 21 34 | 2 11 | 18 10 | 0 1 | 10 17 | 2 5 | 35 1 | 11 10 | 4 0 | 4 24 | 9 18 | | n.a. |
| S 30 | 3 10 | 17 12 | 2 34 | 8 0 | 2 43 | 16 44 | 2 52 | 26 12 | 2 47 | 11 28 | 0 31 | 21 35 | 2 11 | 18 10 | 0 1 | 10 17 | 2 5 | 35 0 | 11 9 | 4 0 | 4 23 | 9 22 | | n.a. |
| S 31 | 2s47 | 22s33 | 3s38 | 8n29 | 2n45 | 17n 8 | 2n55 | 26n 8 | 2n45 | 11n32 | 0s31 | 21n35 | 2n11 | 18n11 | 0s 1 | 10n18 | 2n 5 | 35n 0 | 11n 9 | 4n 0 | 4n22 | 9n25 | | n.a. |

Julian Day Number = 992078.5, Delta T = 13h01m16s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'11, Lahiri = -31°29'11 Julian Calendar 1 March 1997 BCE == Greg. Calendar 13 Feb. 1997 BCE

The year -1996 astronomical counting style corresponds to year 1997 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## APRIL 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 30 51 | 24♓ 5'07 | 7♐43 | 15♈54 | 8♉47 | 11♋58 | 1♉ 5 | 4°R39 | 20♉24 | 8°R56 | 4°R14 | 9♈56 | 10♈45 | 21♈34 | n.a. | M 1 |
| T 2 | 11 34 47 | 25° 2'39 | 21°36 | 16°54 | 9°49 | 12°15 | 1°17 | 4♌37 | 20°26 | 8♍54 | 4°D14 | 9°R57 | 10°42 | 21°41 | n.a. | T 2 |
| W 3 | 11 38 44 | 26° 0'11 | 5♑ 7 | 17°50 | 10°50 | 12°32 | 1°29 | 4°35 | 20°28 | 8°53 | 4♋14 | 9°57 | 10°39 | 21°48 | n.a. | W 3 |
| T 4 | 11 42 40 | 26°57'41 | 18°18 | 18°42 | 11°51 | 12°49 | 1°42 | 4°33 | 20°31 | 8°51 | 4°14 | 9°56 | 10°36 | 21°54 | n.a. | T 4 |
| F 5 | 11 46 37 | 27°55'10 | 1♒11 | 19°29 | 12°51 | 13° 7 | 1°54 | 4°31 | 20°33 | 8°50 | 4°14 | 9°55 | 10°32 | 22° 1 | n.a. | F 5 |
| S 6 | 11 50 34 | 28°52'38 | 13°48 | 20°12 | 13°51 | 13°26 | 2° 6 | 4°30 | 20°36 | 8°48 | 4°14 | 9°53 | 10°29 | 22° 8 | n.a. | S 6 |
| S 7 | 11 54 30 | 29°50'05 | 26°12 | 20°51 | 14°51 | 13°44 | 2°19 | 4°28 | 20°39 | 8°47 | 4°14 | 9°52 | 10°26 | 22°14 | n.a. | S 7 |
| M 8 | 11 58 27 | 0♈47'31 | 8♓24 | 21°25 | 15°50 | 14° 4 | 2°31 | 4°26 | 20°41 | 8°45 | 4°14 | 9°50 | 10°23 | 22°21 | n.a. | M 8 |
| T 9 | 12 2 23 | 1°44'56 | 20°27 | 21°54 | 16°49 | 14°24 | 2°44 | 4°25 | 20°44 | 8°44 | 4°15 | 9°50 | 10°20 | 22°28 | n.a. | T 9 |
| W10 | 12 6 20 | 2°42'19 | 2♈22 | 22°19 | 17°48 | 14°44 | 2°56 | 4°23 | 20°46 | 8°42 | 4°15 | 9°49 | 10°17 | 22°34 | n.a. | W10 |
| T 11 | 12 10 16 | 3°39'42 | 14°13 | 22°38 | 18°46 | 15° 4 | 3° 9 | 4°22 | 20°49 | 8°41 | 4°15 | 9°D49 | 10°13 | 22°41 | n.a. | T 11 |
| F 12 | 12 14 13 | 4°37'03 | 26° 0 | 22°54 | 19°44 | 15°25 | 3°22 | 4°21 | 20°52 | 8°40 | 4°15 | 9°49 | 10°10 | 22°47 | n.a. | F 12 |
| S 13 | 12 18 9 | 5°34'24 | 7♉48 | 23° 4 | 20°41 | 15°47 | 3°34 | 4°20 | 20°55 | 8°38 | 4°16 | 9°50 | 10° 7 | 22°54 | n.a. | S 13 |
| S 14 | 12 22 6 | 6°31'43 | 19°38 | 23°10 | 21°38 | 16° 8 | 3°47 | 4°19 | 20°58 | 8°37 | 4°16 | 9°50 | 10° 4 | 23° 1 | n.a. | S 14 |
| M15 | 12 26 3 | 7°29'01 | 1♊33 | 23°R11 | 22°34 | 16°31 | 4° 0 | 4°18 | 21° 0 | 8°35 | 4°16 | 9°50 | 10° 1 | 23° 7 | n.a. | M15 |
| T 16 | 12 29 59 | 8°26'17 | 13°38 | 23° 8 | 23°30 | 16°53 | 4°13 | 4°17 | 21° 3 | 8°34 | 4°17 | 9°51 | 9°58 | 23°14 | n.a. | T 16 |
| W17 | 12 33 56 | 9°23'33 | 25°56 | 23° 0 | 24°25 | 17°16 | 4°26 | 4°16 | 21° 6 | 8°33 | 4°17 | 9°51 | 9°54 | 23°21 | n.a. | W17 |
| T 18 | 12 37 52 | 10°20'48 | 8♋32 | 22°48 | 25°20 | 17°39 | 4°39 | 4°16 | 21° 9 | 8°31 | 4°18 | 9°51 | 9°51 | 23°27 | n.a. | T 18 |
| F 19 | 12 41 49 | 11°18'01 | 21°29 | 22°32 | 26°14 | 18° 3 | 4°51 | 4°15 | 21°12 | 8°30 | 4°18 | 9°51 | 9°48 | 23°34 | n.a. | F 19 |
| S 20 | 12 45 45 | 12°15'13 | 4♌50 | 22°13 | 27° 8 | 18°27 | 5° 4 | 4°15 | 21°15 | 8°29 | 4°19 | 9°51 | 9°45 | 23°41 | n.a. | S 20 |
| S 21 | 12 49 42 | 13°12'24 | 18°37 | 21°50 | 28° 1 | 18°51 | 5°17 | 4°14 | 21°18 | 8°27 | 4°19 | 9°51 | 9°42 | 23°47 | n.a. | S 21 |
| M22 | 12 53 38 | 14° 9'34 | 2♍51 | 21°24 | 28°54 | 19°15 | 5°31 | 4°14 | 21°21 | 8°26 | 4°20 | 9°51 | 9°38 | 23°54 | n.a. | M22 |
| T 23 | 12 57 35 | 15° 6'43 | 17°29 | 20°55 | 29°46 | 19°40 | 5°44 | 4°14 | 21°24 | 8°25 | 4°20 | 9°52 | 9°35 | 24° 1 | n.a. | T 23 |
| W24 | 13 1 32 | 16° 3'51 | 2♎27 | 20°24 | 0♊37 | 20° 6 | 5°57 | 4°D14 | 21°27 | 8°24 | 4°21 | 9°R52 | 9°32 | 24° 7 | n.a. | W24 |
| T 25 | 13 5 28 | 17° 0'58 | 17°36 | 19°52 | 1°28 | 20°31 | 6°10 | 4°14 | 21°31 | 8°22 | 4°22 | 9°52 | 9°29 | 24°14 | n.a. | T 25 |
| F 26 | 13 9 25 | 17°58'05 | 2♏48 | 19°19 | 2°17 | 20°57 | 6°23 | 4°14 | 21°34 | 8°21 | 4°22 | 9°52 | 9°26 | 24°21 | n.a. | F 26 |
| S 27 | 13 13 21 | 18°55'11 | 17°53 | 18°45 | 3° 7 | 21°23 | 6°36 | 4°15 | 21°37 | 8°20 | 4°23 | 9°51 | 9°23 | 24°27 | n.a. | S 27 |
| S 28 | 13 17 18 | 19°52'17 | 2♐42 | 18°11 | 3°55 | 21°49 | 6°49 | 4°15 | 21°40 | 8°19 | 4°24 | 9°50 | 9°19 | 24°34 | n.a. | S 28 |
| M29 | 13 21 14 | 20°49'23 | 17°10 | 17°38 | 4°43 | 22°16 | 7° 3 | 4°15 | 21°43 | 8°18 | 4°24 | 9°49 | 9°16 | 24°41 | n.a. | M29 |
| T 30 | 13 25 11 | 21♈46'28 | 1♑13 | 17♈ 7 | 5♊30 | 22♋43 | 7♉16 | 4♌16 | 21♉47 | 8♍17 | 4♋25 | 9♈48 | 9♈13 | 24♈47 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 2s24 | 26s27 | 4s28 | 8n56 | 2n46 | 17n31 | 2n57 | 26n 5 | 2n43 | 11n37 | 0s30 | 21n36 | 2n10 | 18n12 | 0s 1 | 10n18 | 2n 5 | 35n 0 | 11n 9 | 4n 1 | 4n20 | 9n28 | | n.a. |
| T 2 | 2 0 | 28 39 | 5 0 | 9 20 | 2 46 | 17 53 | 3 0 | 26 1 | 2 41 | 11 41 | 0 30 | 21 36 | 2 10 | 18 12 | 0 1 | 10 19 | 2 5 | 35 0 | 11 9 | 4 1 | 4 19 | 9 32 | | n.a. |
| W 3 | 1 37 | 29 5 | 5 15 | 9 41 | 2 46 | 18 16 | 3 3 | 25 57 | 2 39 | 11 46 | 0 30 | 21 37 | 2 10 | 18 13 | 0 1 | 10 20 | 2 5 | 34 59 | 11 8 | 4 1 | 4 18 | 9 35 | | n.a. |
| T 4 | 1 14 | 27 49 | 5 13 | 9 59 | 2 44 | 18 37 | 3 5 | 25 53 | 2 37 | 11 50 | 0 30 | 21 37 | 2 10 | 18 14 | 0 1 | 10 20 | 2 5 | 34 59 | 11 8 | 4 1 | 4 17 | 9 38 | | n.a. |
| F 5 | 0 51 | 25 5 | 4 55 | 10 15 | 2 41 | 18 59 | 3 7 | 25 50 | 2 34 | 11 55 | 0 30 | 21 37 | 2 10 | 18 14 | 0 1 | 10 21 | 2 5 | 34 59 | 11 8 | 4 0 | 4 15 | 9 42 | | n.a. |
| S 6 | 0 27 | 21 12 | 4 23 | 10 29 | 2 38 | 19 19 | 3 9 | 25 46 | 2 32 | 11 59 | 0 30 | 21 38 | 2 10 | 18 15 | 0 1 | 10 21 | 2 5 | 34 59 | 11 8 | 4 0 | 4 14 | 9 45 | | n.a. |
| S 7 | 0 4 | 16 28 | 3 39 | 10 39 | 2 33 | 19 40 | 3 12 | 25 42 | 2 30 | 12 4 | 0 30 | 21 38 | 2 10 | 18 16 | 0 1 | 10 22 | 2 5 | 34 58 | 11 7 | 3 59 | 4 13 | 9 48 | | n.a. |
| M 8 | 0n19 | 11 8 | 2 46 | 10 47 | 2 28 | 20 0 | 3 14 | 25 37 | 2 28 | 12 8 | 0 29 | 21 38 | 2 10 | 18 16 | 0 1 | 10 22 | 2 5 | 34 58 | 11 7 | 3 58 | 4 11 | 9 52 | | n.a. |
| T 9 | 0 43 | 5 28 | 1 45 | 10 52 | 2 21 | 20 19 | 3 15 | 25 33 | 2 26 | 12 13 | 0 29 | 21 38 | 2 9 | 18 17 | 0 1 | 10 23 | 2 5 | 34 58 | 11 7 | 3 58 | 4 10 | 9 55 | | n.a. |
| W10 | 1 6 | 0n20 | 0 41 | 10 55 | 2 14 | 20 38 | 3 17 | 25 29 | 2 24 | 12 17 | 0 29 | 21 39 | 2 9 | 18 18 | 0 1 | 10 23 | 2 5 | 34 58 | 11 7 | 3 58 | 4 9 | 9 58 | | n.a. |
| T 11 | 1 29 | 6 5 | 0n24 | 10 55 | 2 5 | 20 56 | 3 19 | 25 25 | 2 22 | 12 22 | 0 29 | 21 39 | 2 9 | 18 19 | 0 1 | 10 24 | 2 5 | 34 57 | 11 6 | 3 58 | 4 8 | 10 2 | | n.a. |
| F 12 | 1 52 | 11 37 | 1 29 | 10 52 | 1 56 | 21 14 | 3 20 | 25 20 | 2 20 | 12 26 | 0 29 | 21 39 | 2 9 | 18 19 | 0 1 | 10 25 | 2 5 | 34 57 | 11 6 | 3 58 | 4 6 | 10 5 | | n.a. |
| S 13 | 2 15 | 16 44 | 2 29 | 10 46 | 1 45 | 21 31 | 3 22 | 25 16 | 2 18 | 12 31 | 0 29 | 21 39 | 2 9 | 18 20 | 0 1 | 10 25 | 2 5 | 34 57 | 11 6 | 3 58 | 4 5 | 10 8 | | n.a. |
| S 14 | 2 39 | 21 15 | 3 24 | 10 37 | 1 34 | 21 48 | 3 23 | 25 11 | 2 16 | 12 35 | 0 29 | 21 39 | 2 9 | 18 21 | 0 1 | 10 26 | 2 5 | 34 56 | 11 6 | 3 58 | 4 4 | 10 12 | | n.a. |
| M15 | 3 2 | 24 57 | 4 10 | 10 27 | 1 21 | 22 4 | 3 24 | 25 6 | 2 15 | 12 40 | 0 28 | 21 39 | 2 9 | 18 22 | 0 1 | 10 26 | 2 5 | 34 56 | 11 5 | 3 58 | 4 3 | 10 15 | | n.a. |
| T 16 | 3 25 | 27 37 | 4 45 | 10 13 | 1 8 | 22 20 | 3 25 | 25 2 | 2 13 | 12 44 | 0 28 | 21 39 | 2 8 | 18 22 | 0 1 | 10 27 | 2 5 | 34 56 | 11 5 | 3 59 | 4 1 | 10 18 | | n.a. |
| W17 | 3 48 | 29 0 | 5 8 | 9 57 | 0 54 | 22 35 | 3 26 | 24 57 | 2 11 | 12 49 | 0 28 | 21 39 | 2 8 | 18 23 | 0 1 | 10 27 | 2 5 | 34 56 | 11 5 | 3 59 | 4 0 | 10 22 | | n.a. |
| T 18 | 4 11 | 28 56 | 5 18 | 9 39 | 0 39 | 22 50 | 3 27 | 24 52 | 2 9 | 12 53 | 0 28 | 21 39 | 2 8 | 18 24 | 0 1 | 10 28 | 2 5 | 34 55 | 11 5 | 3 59 | 3 59 | 10 25 | | n.a. |
| F 19 | 4 33 | 27 17 | 5 11 | 9 19 | 0 24 | 23 4 | 3 28 | 24 47 | 2 7 | 12 58 | 0 28 | 21 39 | 2 8 | 18 25 | 0 1 | 10 28 | 2 5 | 34 55 | 11 4 | 3 59 | 3 57 | 10 28 | | n.a. |
| S 20 | 4 56 | 24 6 | 4 48 | 8 56 | 0 8 | 23 17 | 3 28 | 24 42 | 2 5 | 13 3 | 0 28 | 21 39 | 2 8 | 18 26 | 0 1 | 10 28 | 2 5 | 34 55 | 11 4 | 3 59 | 3 56 | 10 31 | | n.a. |
| S 21 | 5 19 | 19 28 | 4 8 | 8 32 | 0s 9 | 23 30 | 3 28 | 24 36 | 2 3 | 13 7 | 0 28 | 21 39 | 2 8 | 18 27 | 0 1 | 10 29 | 2 5 | 34 55 | 11 4 | 3 59 | 3 55 | 10 35 | | n.a. |
| M22 | 5 42 | 13 38 | 3 11 | 8 7 | 0 25 | 23 42 | 3 28 | 24 31 | 2 2 | 13 12 | 0 27 | 21 39 | 2 8 | 18 27 | 0 1 | 10 29 | 2 4 | 34 54 | 11 4 | 3 59 | 3 54 | 10 38 | | n.a. |
| T 23 | 6 4 | 6 54 | 2 1 | 7 41 | 0 42 | 23 54 | 3 28 | 24 26 | 2 0 | 13 16 | 0 27 | 21 39 | 2 7 | 18 28 | 0 1 | 10 30 | 2 4 | 34 54 | 11 3 | 3 59 | 3 52 | 10 41 | | n.a. |
| W24 | 6 27 | 0s22 | 0 41 | 7 13 | 0 59 | 24 5 | 3 28 | 24 20 | 1 58 | 13 21 | 0 27 | 21 39 | 2 7 | 18 29 | 0 1 | 10 30 | 2 4 | 34 54 | 11 3 | 3 59 | 3 51 | 10 45 | | n.a. |
| T 25 | 6 49 | 7 42 | 0s43 | 6 45 | 1 16 | 24 15 | 3 28 | 24 14 | 1 56 | 13 25 | 0 27 | 21 39 | 2 7 | 18 30 | 0 1 | 10 31 | 2 4 | 34 54 | 11 3 | 3 59 | 3 50 | 10 48 | | n.a. |
| F 26 | 7 11 | 14 37 | 2 4 | 6 17 | 1 32 | 24 25 | 3 27 | 24 9 | 1 55 | 13 30 | 0 27 | 21 39 | 2 7 | 18 31 | 0 1 | 10 31 | 2 4 | 34 53 | 11 3 | 3 59 | 3 49 | 10 51 | | n.a. |
| S 27 | 7 33 | 20 38 | 3 16 | 5 50 | 1 48 | 24 35 | 3 26 | 24 3 | 1 53 | 13 34 | 0 27 | 21 38 | 2 7 | 18 32 | 0 1 | 10 31 | 2 4 | 34 53 | 11 2 | 3 59 | 3 47 | 10 55 | | n.a. |
| S 28 | 7 55 | 25 15 | 4 13 | 5 22 | 2 4 | 24 43 | 3 25 | 23 57 | 1 51 | 13 39 | 0 27 | 21 38 | 2 7 | 18 32 | 0 1 | 10 32 | 2 4 | 34 53 | 11 2 | 3 58 | 3 46 | 10 58 | | n.a. |
| M29 | 8 17 | 28 9 | 4 53 | 4 56 | 2 18 | 24 51 | 3 24 | 23 50 | 1 49 | 13 44 | 0 27 | 21 38 | 2 7 | 18 33 | 0 1 | 10 32 | 2 4 | 34 52 | 11 2 | 3 58 | 3 45 | 11 1 | | n.a. |
| T 30 | 8n39 | 29s 9 | 5s13 | 4n31 | 2s32 | 24n59 | 3n23 | 23n44 | 1n48 | 13n48 | 0s26 | 21n38 | 2n 6 | 18n34 | 0s 1 | 10n33 | 2n 4 | 34n52 | 11n 2 | 3n57 | 3n43 | 11n 4 | | n.a. |

Julian Day Number = 992109.5, Delta T = 13h01m14s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'07, Lahiri = -31°29'07 Julian Calendar 1 Apr. 1997 BCE == Greg. Calendar 15 March 1997 BCE


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## MAY 1997 BCE (-1996) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 29 8 | 22♈43'33 | 14♉49 | 16°R37 | 6♊16 | 23♋10 | 7♌29 | 4♎17 | 21♌50 | 8°R16 | 4♋26 | 9°R47 | 9♈10 | 24♈54 | n.a. | W 1 |
| T 2 | 13 33 4 | 23°40'38 | 28° 0 | 16♈ 9 | 7° 1 | 23°38 | 7°43 | 4°17 | 21°53 | 8♍15 | 4°27 | 9°D47 | 9° 7 | 25° 0 | n.a. | T 2 |
| F 3 | 13 37 1 | 24°37'43 | 10♒48 | 15°45 | 7°45 | 24° 5 | 7°56 | 4°18 | 21°57 | 8°14 | 4°28 | 9♈48 | 9° 3 | 25° 7 | n.a. | F 3 |
| S 4 | 13 40 57 | 25°34'47 | 23°17 | 15°23 | 8°29 | 24°33 | 8° 9 | 4°19 | 22° 0 | 8°13 | 4°29 | 9°49 | 9° 0 | 25°14 | n.a. | S 4 |
| S 5 | 13 44 54 | 26°31'52 | 5♓31 | 15° 5 | 9°11 | 25° 2 | 8°23 | 4°20 | 22° 3 | 8°12 | 4°30 | 9°50 | 8°57 | 25°20 | n.a. | S 5 |
| M 6 | 13 48 50 | 27°28'56 | 17°33 | 14°51 | 9°53 | 25°30 | 8°36 | 4°21 | 22° 7 | 8°11 | 4°31 | 9°51 | 8°54 | 25°27 | n.a. | M 6 |
| T 7 | 13 52 47 | 28°26'00 | 29°27 | 14°41 | 10°33 | 25°59 | 8°50 | 4°23 | 22°10 | 8°10 | 4°31 | 9°52 | 8°51 | 25°34 | n.a. | T 7 |
| W 8 | 13 56 43 | 29°23'04 | 11♈16 | 14°35 | 11°13 | 26°28 | 9° 3 | 4°24 | 22°14 | 8° 9 | 4°32 | 9°R53 | 8°48 | 25°40 | n.a. | W 8 |
| T 9 | 14 0 40 | 0♉20'08 | 23° 3 | 14°D34 | 11°51 | 26°57 | 9°16 | 4°26 | 22°17 | 8° 8 | 4°34 | 9°52 | 8°44 | 25°47 | n.a. | T 9 |
| F 10 | 14 4 37 | 1°17'12 | 4♉50 | 14°38 | 12°28 | 27°27 | 9°30 | 4°27 | 22°20 | 8° 7 | 4°35 | 9°50 | 8°41 | 25°54 | n.a. | F 10 |
| S 11 | 14 8 33 | 2°14'16 | 16°41 | 14°46 | 13° 4 | 27°57 | 9°43 | 4°29 | 22°24 | 8° 7 | 4°36 | 9°48 | 8°38 | 26° 0 | n.a. | S 11 |
| S 12 | 14 12 30 | 3°11'20 | 28°36 | 14°59 | 13°39 | 28°27 | 9°57 | 4°30 | 22°27 | 8° 6 | 4°37 | 9°44 | 8°35 | 26° 7 | n.a. | S 12 |
| M13 | 14 16 26 | 4° 8'23 | 10♊38 | 15°17 | 14°12 | 28°57 | 10°10 | 4°32 | 22°31 | 8° 5 | 4°38 | 9°40 | 8°32 | 26°14 | n.a. | M13 |
| T 14 | 14 20 23 | 5° 5'26 | 22°49 | 15°40 | 14°45 | 29°27 | 10°24 | 4°34 | 22°34 | 8° 4 | 4°39 | 9°36 | 8°29 | 26°20 | n.a. | T 14 |
| W15 | 14 24 19 | 6° 2'30 | 5♋13 | 16° 7 | 15°15 | 29°58 | 10°37 | 4°36 | 22°38 | 8° 4 | 4°40 | 9°33 | 8°25 | 26°27 | n.a. | W15 |
| T 16 | 14 28 16 | 6°59'33 | 17°51 | 16°39 | 15°45 | 0♌29 | 10°51 | 4°38 | 22°42 | 8° 3 | 4°41 | 9°30 | 8°22 | 26°34 | n.a. | T 16 |
| F 17 | 14 32 13 | 7°56'35 | 0♌46 | 17°16 | 16°12 | 1° 0 | 11° 4 | 4°41 | 22°45 | 8° 2 | 4°43 | 9°29 | 8°19 | 26°40 | n.a. | F 17 |
| S 18 | 14 36 9 | 8°53'38 | 14° 2 | 17°57 | 16°39 | 1°31 | 11°18 | 4°43 | 22°49 | 8° 2 | 4°44 | 9°D29 | 8°16 | 26°47 | n.a. | S 18 |
| S 19 | 14 40 6 | 9°50'40 | 27°40 | 18°43 | 17° 3 | 2° 3 | 11°31 | 4°45 | 22°52 | 8° 1 | 4°45 | 9°30 | 8°13 | 26°54 | n.a. | S 19 |
| M20 | 14 44 2 | 10°47'42 | 11♍43 | 19°34 | 17°26 | 2°35 | 11°45 | 4°48 | 22°56 | 8° 1 | 4°46 | 9°31 | 8° 9 | 27° 0 | n.a. | M20 |
| T 21 | 14 47 59 | 11°44'44 | 26° 9 | 20°29 | 17°47 | 3° 6 | 11°58 | 4°50 | 22°59 | 8° 0 | 4°48 | 9°33 | 8° 6 | 27° 7 | n.a. | T 21 |
| W22 | 14 51 55 | 12°41'47 | 10♎56 | 21°29 | 18° 7 | 3°39 | 12°12 | 4°53 | 23° 3 | 8° 0 | 4°49 | 9°R33 | 8° 3 | 27°14 | n.a. | W22 |
| T 23 | 14 55 52 | 13°38'49 | 25°58 | 22°32 | 18°24 | 4°11 | 12°25 | 4°56 | 23° 7 | 7°59 | 4°50 | 9°32 | 8° 0 | 27°20 | n.a. | T 23 |
| F 24 | 14 59 49 | 14°35'51 | 11♏ 9 | 23°41 | 18°40 | 4°43 | 12°39 | 4°59 | 23°10 | 7°59 | 4°52 | 9°30 | 7°57 | 27°27 | n.a. | F 24 |
| S 25 | 15 3 45 | 15°32'54 | 26°17 | 24°53 | 18°54 | 5°16 | 12°52 | 5° 2 | 23°14 | 7°58 | 4°53 | 9°26 | 7°54 | 27°34 | n.a. | S 25 |
| S 26 | 15 7 42 | 16°29'58 | 11♐14 | 26° 9 | 19° 5 | 5°49 | 13° 6 | 5° 5 | 23°18 | 7°58 | 4°55 | 9°21 | 7°50 | 27°40 | n.a. | S 26 |
| M27 | 15 11 38 | 17°27'02 | 25°51 | 27°30 | 19°15 | 6°22 | 13°19 | 5° 8 | 23°21 | 7°58 | 4°56 | 9°15 | 7°47 | 27°47 | n.a. | M27 |
| T 28 | 15 15 35 | 18°24'06 | 10♑ 3 | 28°55 | 19°22 | 6°55 | 13°33 | 5°11 | 23°25 | 7°57 | 4°57 | 9°10 | 7°44 | 27°53 | n.a. | T 28 |
| W29 | 15 19 31 | 19°21'12 | 23°46 | 0♑24 | 19°27 | 7°28 | 13°46 | 5°14 | 23°28 | 7°57 | 4°59 | 9° 6 | 7°41 | 28° 0 | n.a. | W29 |
| T 30 | 15 23 28 | 20°18'18 | 7♒ 2 | 1°56 | 19°30 | 8° 2 | 14° 0 | 5°18 | 23°32 | 7°57 | 5° 0 | 9° 3 | 7°38 | 28° 7 | n.a. | T 30 |
| F 31 | 15 27 25 | 21♑15'25 | 19♒51 | 3♑33 | 19°R31 | 8♌36 | 14♑13 | 5♌21 | 23♑36 | 7♍57 | 5♋ 2 | 9°D 3 | 7♈35 | 28♈13 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 9n 1 | 28s19 | 5s16 | 4n 7 | 2s45 | 25n 6 | 3n21 | 23n38 | 1n46 | 13n53 | 0s26 | 21n37 | 2n 6 | 18n35 | 0s 1 | 10n33 | 2n 4 | 34n52 | 11n 1 | 3n57 | 3n42 | 11n 8 | | n.a. |
| T 2 | 9 22 | 25 53 | 5 1 | 3 46 | 2 57 | 25 12 | 3 20 | 23 31 | 1 44 | 13 57 | 0 26 | 21 37 | 2 6 | 18 36 | 0 1 | 10 33 | 2 4 | 34 52 | 11 1 | 3 57 | 3 41 | 11 11 | | n.a. |
| F 3 | 9 44 | 22 13 | 4 32 | 3 26 | 3 8 | 25 18 | 3 18 | 23 25 | 1 43 | 14 2 | 0 26 | 21 36 | 2 6 | 18 37 | 0 1 | 10 34 | 2 4 | 34 51 | 11 1 | 3 57 | 3 40 | 11 14 | | n.a. |
| S 4 | 10 5 | 17 38 | 3 50 | 3 9 | 3 18 | 25 23 | 3 15 | 23 18 | 1 41 | 14 6 | 0 26 | 21 36 | 2 6 | 18 38 | 0 1 | 10 34 | 2 4 | 34 51 | 11 1 | 3 58 | 3 38 | 11 18 | | n.a. |
| S 5 | 10 26 | 12 26 | 2 59 | 2 54 | 3 26 | 25 27 | 3 13 | 23 11 | 1 39 | 14 11 | 0 26 | 21 36 | 2 6 | 18 39 | 0 1 | 10 34 | 2 4 | 34 51 | 11 0 | 3 58 | 3 37 | 11 21 | | n.a. |
| M 6 | 10 47 | 6 52 | 2 0 | 2 42 | 3 33 | 25 31 | 3 10 | 23 4 | 1 38 | 14 15 | 0 26 | 21 35 | 2 5 | 18 40 | 0 1 | 10 35 | 2 4 | 34 51 | 11 0 | 3 59 | 3 36 | 11 24 | | n.a. |
| T 7 | 11 8 | 1 6 | 0 57 | 2 33 | 3 39 | 25 34 | 3 7 | 22 57 | 1 36 | 14 20 | 0 26 | 21 35 | 2 5 | 18 40 | 0 1 | 10 35 | 2 4 | 34 50 | 11 0 | 3 59 | 3 35 | 11 27 | | n.a. |
| W 8 | 11 29 | 4n40 | 0n 8 | 2 26 | 3 44 | 25 37 | 3 4 | 22 50 | 1 35 | 14 24 | 0 25 | 21 34 | 2 5 | 18 41 | 0 1 | 10 35 | 2 4 | 34 50 | 11 0 | 3 59 | 3 33 | 11 31 | | n.a. |
| T 9 | 11 49 | 10 15 | 1 12 | 2 23 | 3 47 | 25 39 | 3 1 | 22 43 | 1 33 | 14 29 | 0 25 | 21 34 | 2 5 | 18 42 | 0 0 | 10 36 | 2 4 | 34 50 | 11 0 | 3 59 | 3 32 | 11 34 | | n.a. |
| F 10 | 12 9 | 15 29 | 2 13 | 2 22 | 3 49 | 25 40 | 2 57 | 22 35 | 1 32 | 14 33 | 0 25 | 21 33 | 2 5 | 18 43 | 0 0 | 10 36 | 2 4 | 34 50 | 10 59 | 3 58 | 3 31 | 11 37 | | n.a. |
| S 11 | 12 30 | 20 10 | 3 9 | 2 24 | 3 50 | 25 41 | 2 53 | 22 28 | 1 30 | 14 38 | 0 25 | 21 33 | 2 5 | 18 44 | 0 0 | 10 36 | 2 4 | 34 49 | 10 59 | 3 57 | 3 29 | 11 40 | | n.a. |
| S 12 | 12 50 | 24 6 | 3 57 | 2 30 | 3 50 | 25 41 | 2 49 | 22 20 | 1 28 | 14 42 | 0 25 | 21 32 | 2 4 | 18 45 | 0 0 | 10 36 | 2 4 | 34 49 | 10 59 | 3 56 | 3 28 | 11 44 | | n.a. |
| M13 | 13 9 | 27 1 | 4 35 | 2 38 | 3 49 | 25 41 | 2 44 | 22 12 | 1 27 | 14 46 | 0 25 | 21 32 | 2 4 | 18 46 | 0 0 | 10 37 | 2 4 | 34 49 | 10 59 | 3 54 | 3 27 | 11 47 | | n.a. |
| T 14 | 13 29 | 28 44 | 5 0 | 2 48 | 3 47 | 25 40 | 2 39 | 22 4 | 1 25 | 14 51 | 0 25 | 21 31 | 2 4 | 18 47 | 0 0 | 10 37 | 2 3 | 34 49 | 10 58 | 3 53 | 3 26 | 11 50 | | n.a. |
| W15 | 13 48 | 29 2 | 5 13 | 3 2 | 3 44 | 25 38 | 2 34 | 21 56 | 1 24 | 14 55 | 0 25 | 21 30 | 2 4 | 18 48 | 0 0 | 10 37 | 2 3 | 34 48 | 10 58 | 3 51 | 3 24 | 11 53 | | n.a. |
| T 16 | 14 7 | 27 50 | 5 10 | 3 18 | 3 39 | 25 36 | 2 28 | 21 48 | 1 22 | 15 0 | 0 25 | 21 30 | 2 4 | 18 49 | 0 0 | 10 37 | 2 3 | 34 48 | 10 58 | 3 50 | 3 23 | 11 57 | | n.a. |
| F 17 | 14 26 | 25 9 | 4 52 | 3 37 | 3 34 | 25 34 | 2 23 | 21 39 | 1 21 | 15 4 | 0 24 | 21 29 | 2 4 | 18 50 | 0 0 | 10 37 | 2 3 | 34 48 | 10 58 | 3 50 | 3 22 | 12 0 | | n.a. |
| S 18 | 14 45 | 21 4 | 4 19 | 3 59 | 3 28 | 25 30 | 2 16 | 21 31 | 1 19 | 15 8 | 0 24 | 21 28 | 2 4 | 18 51 | 0 0 | 10 38 | 2 3 | 34 48 | 10 58 | 3 50 | 3 21 | 12 3 | | n.a. |
| S 19 | 15 4 | 15 48 | 3 29 | 4 23 | 3 22 | 25 26 | 2 10 | 21 22 | 1 18 | 15 13 | 0 24 | 21 27 | 2 3 | 18 52 | 0 0 | 10 38 | 2 3 | 34 47 | 10 57 | 3 50 | 3 19 | 12 6 | | n.a. |
| M20 | 15 22 | 9 34 | 2 27 | 4 49 | 3 14 | 25 22 | 2 3 | 21 14 | 1 17 | 15 17 | 0 24 | 21 27 | 2 3 | 18 52 | 0 0 | 10 38 | 2 3 | 34 47 | 10 57 | 3 51 | 3 18 | 12 10 | | n.a. |
| T 21 | 15 40 | 2 40 | 1 13 | 5 18 | 3 6 | 25 17 | 1 56 | 21 5 | 1 15 | 15 21 | 0 24 | 21 26 | 2 3 | 18 53 | 0 0 | 10 38 | 2 3 | 34 47 | 10 57 | 3 51 | 3 17 | 12 13 | | n.a. |
| W22 | 15 58 | 4s32 | 0s 8 | 5 48 | 2 57 | 25 11 | 1 48 | 20 56 | 1 14 | 15 26 | 0 24 | 21 25 | 2 3 | 18 54 | 0 0 | 10 38 | 2 3 | 34 47 | 10 57 | 3 51 | 3 15 | 12 16 | | n.a. |
| T 23 | 16 15 | 11 36 | 1 29 | 6 21 | 2 48 | 25 5 | 1 40 | 20 46 | 1 12 | 15 30 | 0 24 | 21 24 | 2 3 | 18 55 | 0 0 | 10 38 | 2 3 | 34 46 | 10 57 | 3 51 | 3 14 | 12 19 | | n.a. |
| F 24 | 16 33 | 18 4 | 2 44 | 6 56 | 2 38 | 24 58 | 1 32 | 20 37 | 1 11 | 15 34 | 0 24 | 21 23 | 2 3 | 18 56 | 0 0 | 10 38 | 2 3 | 34 46 | 10 57 | 3 50 | 3 13 | 12 23 | | n.a. |
| S 25 | 16 50 | 23 24 | 3 47 | 7 33 | 2 28 | 24 50 | 1 23 | 20 28 | 1 9 | 15 39 | 0 24 | 21 22 | 2 3 | 18 57 | 0 0 | 10 39 | 2 3 | 34 46 | 10 56 | 3 49 | 3 12 | 12 26 | | n.a. |
| S 26 | 17 6 | 27 6 | 4 34 | 8 11 | 2 17 | 24 42 | 1 14 | 20 18 | 1 8 | 15 43 | 0 24 | 21 22 | 2 2 | 18 58 | 0 0 | 10 39 | 2 3 | 34 46 | 10 56 | 3 47 | 3 10 | 12 29 | | n.a. |
| M27 | 17 23 | 28 54 | 5 2 | 8 51 | 2 5 | 24 34 | 1 5 | 20 8 | 1 7 | 15 47 | 0 23 | 21 21 | 2 2 | 18 59 | 0 0 | 10 39 | 2 3 | 34 45 | 10 56 | 3 44 | 3 9 | 12 32 | | n.a. |
| T 28 | 17 39 | 28 42 | 5 11 | 9 32 | 1 54 | 24 24 | 0 55 | 19 58 | 1 5 | 15 51 | 0 23 | 21 20 | 2 2 | 19 0 | 0 0 | 10 39 | 2 3 | 34 45 | 10 56 | 3 42 | 3 8 | 12 35 | | n.a. |
| W29 | 17 55 | 26 43 | 5 1 | 10 15 | 1 42 | 24 15 | 0 45 | 19 48 | 1 4 | 15 56 | 0 23 | 21 19 | 2 2 | 19 1 | 0 0 | 10 39 | 2 3 | 34 45 | 10 56 | 3 41 | 3 6 | 12 39 | | n.a. |
| T 30 | 18 11 | 23 19 | 4 35 | 10 59 | 1 30 | 24 4 | 0 34 | 19 38 | 1 3 | 16 0 | 0 23 | 21 18 | 2 2 | 19 2 | 0 0 | 10 39 | 2 3 | 34 45 | 10 56 | 3 40 | 3 5 | 12 42 | | n.a. |
| F 31 | 18n26 | 18s52 | 3s56 | 11n44 | 1s18 | 23n53 | 0n23 | 19n28 | 1n 1 | 16n 4 | 0s23 | 21n17 | 2n 2 | 19n 3 | 0s 0 | 10n39 | 2n 2 | 34n45 | 10n55 | 3n39 | 3n 4 | 12n45 | | n.a. |

Julian Day Number = 992139.5, Delta T = 13h01m12s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°36'03, Lahiri = -31°29'03 Julian Calendar 1 May 1997 BCE == Greg. Calendar 14 Apr. 1997 BCE

The year -1996 astronomical counting style corresponds to year 1997 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## JUNE 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 31 21 | 22♉12'32 | 2♓18 | 5♉13 | 19°R30 | 9♌10 | 14♉27 | 5♌25 | 23♉39 | 7°R56 | 5♋ 3 | 9♈ 3 | 7♈31 | 28♈20 | n.a. | S 1 |
| S 2 | 15 35 18 | 23° 9'41 | 14°28 | 6°56 | 19♊26 | 9°44 | 14°40 | 5°28 | 23°43 | 7♍56 | 5° 5 | 9° 4 | 7°28 | 28°27 | n.a. | S 2 |
| M 3 | 15 39 14 | 24° 6'50 | 26°26 | 8°43 | 19°19 | 10°18 | 14°54 | 5°32 | 23°47 | 7°56 | 5° 7 | 9° 6 | 7°25 | 28°33 | n.a. | M 3 |
| T 4 | 15 43 11 | 25° 4'00 | 8♈16 | 10°33 | 19°11 | 10°52 | 15° 7 | 5°36 | 23°50 | 7°56 | 5° 8 | 9°R 6 | 7°22 | 28°40 | n.a. | T 4 |
| W 5 | 15 47 7 | 26° 1'12 | 20° 2 | 12°26 | 19° 0 | 11°27 | 15°20 | 5°39 | 23°54 | 7°56 | 5°10 | 9° 6 | 7°19 | 28°47 | n.a. | W 5 |
| T 6 | 15 51 4 | 26°58'24 | 1♉50 | 14°22 | 18°47 | 12° 2 | 15°34 | 5°43 | 23°58 | 7°D56 | 5°11 | 9° 3 | 7°15 | 28°53 | n.a. | T 6 |
| F 7 | 15 55 0 | 27°55'37 | 13°40 | 16°20 | 18°31 | 12°37 | 15°47 | 5°47 | 24° 1 | 7°56 | 5°13 | 8°58 | 7°12 | 29° 0 | n.a. | F 7 |
| S 8 | 15 58 57 | 28°52'51 | 25°37 | 18°20 | 18°13 | 13°12 | 16° 1 | 5°51 | 24° 5 | 7°56 | 5°15 | 8°51 | 7° 9 | 29° 7 | n.a. | S 8 |
| S 9 | 16 2 54 | 29°50'06 | 7♊42 | 20°22 | 17°53 | 13°47 | 16°14 | 5°56 | 24° 9 | 7°56 | 5°16 | 8°43 | 7° 6 | 29°13 | n.a. | S 9 |
| M10 | 16 6 50 | 0♊47'22 | 19°55 | 22°25 | 17°31 | 14°22 | 16°27 | 6° 0 | 24°12 | 7°56 | 5°18 | 8°33 | 7° 3 | 29°20 | n.a. | M10 |
| T 11 | 16 10 47 | 1°44'38 | 2♋19 | 24°30 | 17° 6 | 14°58 | 16°40 | 6° 4 | 24°16 | 7°56 | 5°20 | 8°24 | 7° 0 | 29°27 | n.a. | T 11 |
| W12 | 16 14 43 | 2°41'56 | 14°54 | 26°35 | 16°40 | 15°33 | 16°54 | 6° 9 | 24°20 | 7°57 | 5°21 | 8°15 | 6°56 | 29°33 | n.a. | W12 |
| T 13 | 16 18 40 | 3°39'14 | 27°41 | 28°41 | 16°12 | 16° 9 | 17° 7 | 6°13 | 24°23 | 7°57 | 5°23 | 8° 8 | 6°53 | 29°40 | n.a. | T 13 |
| F 14 | 16 22 36 | 4°36'33 | 10♌42 | 0♊48 | 15°42 | 16°45 | 17°20 | 6°18 | 24°27 | 7°57 | 5°25 | 8° 4 | 6°50 | 29°47 | n.a. | F 14 |
| S 15 | 16 26 33 | 5°33'53 | 23°59 | 2°54 | 15°10 | 17°21 | 17°33 | 6°22 | 24°30 | 7°57 | 5°27 | 8° 1 | 6°47 | 29°53 | n.a. | S 15 |
| S 16 | 16 30 30 | 6°31'14 | 7♍33 | 4°59 | 14°37 | 17°58 | 17°46 | 6°27 | 24°34 | 7°58 | 5°29 | 8°D 1 | 6°44 | 29°59 | n.a. | S 16 |
| M17 | 16 34 26 | 7°28'35 | 21°26 | 7° 5 | 14° 3 | 18°34 | 17°59 | 6°32 | 24°38 | 7°58 | 5°30 | 8° 1 | 6°41 | 0♉ 7 | n.a. | M17 |
| T 18 | 16 38 23 | 8°25'57 | 5♎37 | 9° 9 | 13°28 | 19°11 | 18°13 | 6°37 | 24°41 | 7°58 | 5°32 | 8°R 2 | 6°37 | 0°13 | n.a. | T 18 |
| W19 | 16 42 19 | 9°23'20 | 20° 7 | 11°13 | 12°52 | 19°47 | 18°26 | 6°41 | 24°45 | 7°59 | 5°34 | 8° 1 | 6°34 | 0°20 | n.a. | W19 |
| T 20 | 16 46 16 | 10°20'44 | 4♏52 | 13°16 | 12°15 | 20°24 | 18°39 | 6°46 | 24°48 | 7°59 | 5°36 | 7°59 | 6°31 | 0°27 | n.a. | T 20 |
| F 21 | 16 50 12 | 11°18'09 | 19°47 | 15°17 | 11°38 | 21° 1 | 18°52 | 6°51 | 24°52 | 8° 0 | 5°38 | 7°54 | 6°28 | 0°33 | n.a. | F 21 |
| S 22 | 16 54 9 | 12°15'35 | 4♐43 | 17°17 | 11° 1 | 21°38 | 19° 4 | 6°57 | 24°55 | 8° 0 | 5°39 | 7°46 | 6°25 | 0°40 | n.a. | S 22 |
| S 23 | 16 58 5 | 13°13'03 | 19°33 | 19°16 | 10°24 | 22°15 | 19°17 | 7° 2 | 24°59 | 8° 1 | 5°41 | 7°37 | 6°21 | 0°47 | n.a. | S 23 |
| M24 | 17 2 2 | 14°10'32 | 4♑ 8 | 21°14 | 9°47 | 22°53 | 19°30 | 7° 7 | 25° 3 | 8° 1 | 5°43 | 7°27 | 6°18 | 0°53 | n.a. | M24 |
| T 25 | 17 5 59 | 15° 8'02 | 18°20 | 23°10 | 9°12 | 23°30 | 19°43 | 7°12 | 25° 6 | 8° 2 | 5°45 | 7°18 | 6°15 | 1° 0 | n.a. | T 25 |
| W26 | 17 9 55 | 16° 5'34 | 2♒ 6 | 25° 5 | 8°36 | 24° 8 | 19°56 | 7°18 | 25°10 | 8° 2 | 5°47 | 7° 9 | 6°12 | 1° 7 | n.a. | W26 |
| T 27 | 17 13 52 | 17° 3'08 | 15°24 | 26°58 | 8° 2 | 24°45 | 20° 9 | 7°23 | 25°13 | 8° 3 | 5°49 | 7° 3 | 6° 9 | 1°13 | n.a. | T 27 |
| F 28 | 17 17 48 | 18° 0'43 | 28°16 | 28°50 | 7°30 | 25°23 | 20°21 | 7°28 | 25°16 | 8° 4 | 5°51 | 6°59 | 6° 6 | 1°20 | n.a. | F 28 |
| S 29 | 17 21 45 | 18°58'20 | 10♓45 | 0♋40 | 6°58 | 26° 1 | 20°34 | 7°34 | 25°20 | 8° 4 | 5°53 | 6°58 | 6° 2 | 1°27 | n.a. | S 29 |
| S 30 | 17 25 41 | 19♊55'58 | 22♓55 | 2♋29 | 6♊29 | 26♌39 | 20♉46 | 7♌40 | 25♉23 | 8♍ 5 | 5♋55 | 6°D57 | 5♈59 | 1♉33 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n42 | 13s45 | 3s 6 | 12n30 | 1s 5 | 23n42 | 0n12 | 19n17 | 1n 0 | 16n 8 | 0s23 | 21n16 | 2n 2 | 19n 4 | 0s 0 | 10n39 | 2n 2 | 34n44 | 10n55 | 3n39 | 3n 3 | 12n48 | | n.a. |
| S 2 | 18 56 | 8 13 | 2 10 | 13 16 | 0 53 | 23 30 | 0 0 | 19 7 | 0 59 | 16 12 | 0 23 | 21 15 | 2 1 | 19 5 | 0 0 | 10 39 | 2 2 | 34 44 | 10 55 | 3 40 | 3 1 | 12 51 | | n.a. |
| M 3 | 19 11 | 2 29 | 1 8 | 14 3 | 0 41 | 23 17 | 0s12 | 18 56 | 0 57 | 16 16 | 0 23 | 21 14 | 2 1 | 19 6 | 0 0 | 10 39 | 2 2 | 34 44 | 10 55 | 3 41 | 3 0 | 12 55 | | n.a. |
| T 4 | 19 25 | 3n16 | 0 5 | 14 50 | 0 29 | 23 4 | 0 24 | 18 45 | 0 56 | 16 20 | 0 23 | 21 13 | 2 1 | 19 7 | 0 0 | 10 39 | 2 2 | 34 44 | 10 55 | 3 41 | 2 59 | 12 58 | | n.a. |
| W 5 | 19 39 | 8 54 | 0n59 | 15 37 | 0 16 | 22 51 | 0 37 | 18 34 | 0 55 | 16 25 | 0 23 | 21 11 | 2 1 | 19 8 | 0 0 | 10 39 | 2 2 | 34 44 | 10 55 | 3 41 | 2 57 | 13 1 | | n.a. |
| T 6 | 19 53 | 14 13 | 2 0 | 16 24 | 0 5 | 22 37 | 0 50 | 18 23 | 0 53 | 16 29 | 0 22 | 21 10 | 2 1 | 19 8 | 0 0 | 10 39 | 2 2 | 34 43 | 10 55 | 3 39 | 2 56 | 13 4 | | n.a. |
| F 7 | 20 6 | 19 3 | 2 55 | 17 10 | 0n 7 | 22 22 | 1 3 | 18 12 | 0 52 | 16 33 | 0 22 | 21 9 | 2 1 | 19 9 | 0 0 | 10 39 | 2 2 | 34 43 | 10 55 | 3 38 | 2 55 | 13 7 | | n.a. |
| S 8 | 20 19 | 23 10 | 3 44 | 17 55 | 0 18 | 22 7 | 1 17 | 18 0 | 0 51 | 16 37 | 0 22 | 21 8 | 2 1 | 19 10 | 0 0 | 10 39 | 2 2 | 34 43 | 10 54 | 3 35 | 2 54 | 13 11 | | n.a. |
| S 9 | 20 32 | 26 21 | 4 23 | 18 39 | 0 28 | 21 51 | 1 31 | 17 49 | 0 49 | 16 41 | 0 22 | 21 7 | 2 0 | 19 11 | 0 0 | 10 38 | 2 2 | 34 43 | 10 54 | 3 31 | 2 52 | 13 14 | | n.a. |
| M10 | 20 44 | 28 21 | 4 50 | 19 22 | 0 38 | 21 35 | 1 45 | 17 37 | 0 48 | 16 45 | 0 22 | 21 6 | 2 0 | 19 12 | 0 0 | 10 38 | 2 2 | 34 43 | 10 54 | 3 28 | 2 51 | 13 17 | | n.a. |
| T 11 | 20 56 | 28 58 | 5 4 | 20 3 | 0 48 | 21 19 | 1 59 | 17 25 | 0 47 | 16 49 | 0 22 | 21 4 | 2 0 | 19 13 | 0 0 | 10 38 | 2 2 | 34 42 | 10 54 | 3 24 | 2 50 | 13 20 | | n.a. |
| W12 | 21 7 | 28 6 | 5 4 | 20 43 | 0 57 | 21 2 | 2 13 | 17 13 | 0 46 | 16 52 | 0 22 | 21 3 | 2 0 | 19 14 | 0 0 | 10 38 | 2 2 | 34 42 | 10 54 | 3 20 | 2 49 | 13 23 | | n.a. |
| T 13 | 21 19 | 25 45 | 4 48 | 21 20 | 1 5 | 20 45 | 2 27 | 17 1 | 0 44 | 16 56 | 0 22 | 21 2 | 2 0 | 19 15 | 0 0 | 10 38 | 2 2 | 34 42 | 10 54 | 3 18 | 2 47 | 13 27 | | n.a. |
| F 14 | 21 30 | 22 2 | 4 18 | 21 55 | 1 13 | 20 28 | 2 41 | 16 49 | 0 43 | 17 0 | 0 22 | 21 1 | 2 0 | 19 16 | 0 0 | 10 38 | 2 2 | 34 42 | 10 54 | 3 16 | 2 46 | 13 30 | | n.a. |
| S 15 | 21 40 | 17 8 | 3 33 | 22 28 | 1 20 | 20 10 | 2 56 | 16 37 | 0 42 | 17 4 | 0 22 | 20 59 | 2 0 | 19 17 | 0 0 | 10 38 | 2 2 | 34 42 | 10 54 | 3 15 | 2 45 | 13 33 | | n.a. |
| S 16 | 21 50 | 11 18 | 2 36 | 22 58 | 1 26 | 19 53 | 3 10 | 16 24 | 0 41 | 17 8 | 0 22 | 20 58 | 2 0 | 19 18 | 0 0 | 10 38 | 2 1 | 34 42 | 10 54 | 3 14 | 2 43 | 13 36 | | n.a. |
| M17 | 22 0 | 4 48 | 1 28 | 23 26 | 1 31 | 19 35 | 3 24 | 16 12 | 0 40 | 17 12 | 0 21 | 20 57 | 1 59 | 19 19 | 0 0 | 10 37 | 2 1 | 34 41 | 10 54 | 3 15 | 2 42 | 13 39 | | n.a. |
| T 18 | 22 9 | 2s 5 | 0 13 | 23 51 | 1 36 | 19 17 | 3 37 | 15 59 | 0 38 | 17 16 | 0 21 | 20 55 | 1 59 | 19 19 | 0 0 | 10 37 | 2 1 | 34 41 | 10 53 | 3 15 | 2 41 | 13 42 | | n.a. |
| W19 | 22 18 | 9 0 | 1s 4 | 24 14 | 1 40 | 18 59 | 3 51 | 15 46 | 0 37 | 17 19 | 0 21 | 20 54 | 1 59 | 19 20 | 0 0 | 10 37 | 2 1 | 34 41 | 10 53 | 3 15 | 2 40 | 13 45 | | n.a. |
| T 20 | 22 27 | 15 34 | 2 18 | 24 34 | 1 43 | 18 42 | 4 4 | 15 33 | 0 36 | 17 23 | 0 21 | 20 53 | 1 59 | 19 21 | 0 0 | 10 37 | 2 1 | 34 41 | 10 53 | 3 14 | 2 38 | 13 49 | | n.a. |
| F 21 | 22 35 | 21 18 | 3 23 | 24 51 | 1 46 | 18 24 | 4 16 | 15 20 | 0 35 | 17 27 | 0 21 | 20 51 | 1 59 | 19 22 | 0 0 | 10 36 | 2 1 | 34 41 | 10 53 | 3 12 | 2 37 | 13 52 | | n.a. |
| S 22 | 22 43 | 25 41 | 4 15 | 25 6 | 1 48 | 18 7 | 4 28 | 15 6 | 0 34 | 17 30 | 0 21 | 20 50 | 1 59 | 19 23 | 0 0 | 10 36 | 2 1 | 34 41 | 10 53 | 3 9 | 2 36 | 13 55 | | n.a. |
| S 23 | 22 51 | 28 18 | 4 48 | 25 18 | 1 49 | 17 51 | 4 40 | 14 53 | 0 32 | 17 34 | 0 21 | 20 48 | 1 59 | 19 24 | 0 0 | 10 36 | 2 1 | 34 41 | 10 53 | 3 5 | 2 34 | 13 58 | | n.a. |
| M24 | 22 58 | 28 54 | 5 2 | 25 28 | 1 50 | 17 34 | 4 51 | 14 40 | 0 31 | 17 38 | 0 21 | 20 47 | 1 59 | 19 25 | 0 0 | 10 36 | 2 1 | 34 40 | 10 53 | 3 1 | 2 33 | 14 1 | | n.a. |
| T 25 | 23 5 | 27 33 | 4 57 | 25 35 | 1 50 | 17 19 | 5 2 | 14 26 | 0 30 | 17 41 | 0 21 | 20 45 | 1 59 | 19 26 | 0 0 | 10 35 | 2 1 | 34 40 | 10 53 | 2 57 | 2 32 | 14 4 | | n.a. |
| W26 | 23 11 | 24 33 | 4 35 | 25 40 | 1 50 | 17 3 | 5 12 | 14 12 | 0 29 | 17 45 | 0 21 | 20 44 | 1 59 | 19 27 | 0 0 | 10 35 | 2 1 | 34 40 | 10 53 | 2 54 | 2 31 | 14 7 | | n.a. |
| T 27 | 23 17 | 20 20 | 3 58 | 25 42 | 1 49 | 16 49 | 5 21 | 13 58 | 0 28 | 17 49 | 0 21 | 20 42 | 1 58 | 19 27 | 0 0 | 10 35 | 2 1 | 34 40 | 10 53 | 2 51 | 2 29 | 14 11 | | n.a. |
| F 28 | 23 22 | 15 17 | 3 10 | 25 42 | 1 47 | 16 35 | 5 30 | 13 44 | 0 27 | 17 52 | 0 20 | 20 41 | 1 58 | 19 28 | 0n 0 | 10 34 | 2 1 | 34 40 | 10 53 | 2 50 | 2 28 | 14 14 | | n.a. |
| S 29 | 23 27 | 9 45 | 2 15 | 25 41 | 1 45 | 16 22 | 5 38 | 13 30 | 0 26 | 17 56 | 0 20 | 20 39 | 1 58 | 19 29 | 0 0 | 10 34 | 2 1 | 34 40 | 10 53 | 2 49 | 2 27 | 14 17 | | n.a. |
| S 30 | 23n32 | 4s 0 | 1s14 | 25n37 | 1n43 | 16n10 | 5s45 | 13n16 | 0n24 | 17n59 | 0s20 | 20n38 | 1n58 | 19n30 | 0n 0 | 10n34 | 2n 1 | 34n40 | 10n53 | 2n49 | 2n25 | 14n20 | | n.a. |

Julian Day Number = 992170.5, Delta T = 13h01m10s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'59, Lahiri = -31°28'58 Julian Calendar 1 June 1997 BCE == Greg. Calendar 15 May 1997 BCE


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## JULY 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 29 38 | 20♊53'38 | 4♈52 | 4♋17 | 6°R 1 | 27♌18 | 20♉59 | 7♌45 | 25♉27 | 8♍ 6 | 5♋56 | 6°R58 | 5♈56 | 1♉40 | n.a. | M 1 |
| T 2 | 17 33 34 | 21°51'20 | 16°42 | 6° 3 | 5♊35 | 27°56 | 21°11 | 7°51 | 25°30 | 8° 7 | 5°58 | 6♈57 | 5°53 | 1°47 | n.a. | T 2 |
| W 3 | 17 37 31 | 22°49'04 | 28°30 | 7°47 | 5°11 | 28°34 | 21°24 | 7°57 | 25°33 | 8° 8 | 6° 0 | 6°55 | 5°50 | 1°53 | n.a. | W 3 |
| T 4 | 17 41 28 | 23°46'50 | 10♉19 | 9°30 | 4°49 | 29°13 | 21°36 | 8° 2 | 25°37 | 8° 9 | 6° 2 | 6°51 | 5°47 | 2° 0 | n.a. | T 4 |
| F 5 | 17 45 24 | 24°44'37 | 22°15 | 11°12 | 4°30 | 29°52 | 21°49 | 8° 8 | 25°40 | 8° 9 | 6° 4 | 6°44 | 5°43 | 2° 7 | n.a. | F 5 |
| S 6 | 17 49 21 | 25°42'27 | 4♊20 | 12°53 | 4°13 | 0♍31 | 22° 1 | 8°14 | 25°43 | 8°10 | 6° 6 | 6°35 | 5°40 | 2°13 | n.a. | S 6 |
| S 7 | 17 53 17 | 26°40'18 | 16°36 | 14°31 | 3°58 | 1°10 | 22°13 | 8°20 | 25°47 | 8°11 | 6° 8 | 6°23 | 5°37 | 2°20 | n.a. | S 7 |
| M 8 | 17 57 14 | 27°38'11 | 29° 4 | 16° 9 | 3°45 | 1°49 | 22°25 | 8°26 | 25°50 | 8°12 | 6°10 | 6°10 | 5°34 | 2°27 | n.a. | M 8 |
| T 9 | 18 1 10 | 28°36'05 | 11♋45 | 17°45 | 3°35 | 2°28 | 22°37 | 8°32 | 25°53 | 8°13 | 6°12 | 5°57 | 5°31 | 2°33 | n.a. | T 9 |
| W10 | 18 5 7 | 29°34'01 | 24°38 | 19°20 | 3°27 | 3° 7 | 22°50 | 8°38 | 25°56 | 8°14 | 6°14 | 5°45 | 5°27 | 2°40 | n.a. | W10 |
| T 11 | 18 9 4 | 0♋31'59 | 7♌43 | 20°53 | 3°22 | 3°47 | 23° 2 | 8°44 | 26° 0 | 8°15 | 6°16 | 5°35 | 5°24 | 2°46 | n.a. | T 11 |
| F 12 | 18 13 0 | 1°29'59 | 20°59 | 22°26 | 3°19 | 4°26 | 23°13 | 8°51 | 26° 3 | 8°17 | 6°18 | 5°27 | 5°21 | 2°53 | n.a. | F 12 |
| S 13 | 18 16 57 | 2°28'00 | 4♍26 | 23°56 | 3°D18 | 5° 6 | 23°25 | 8°57 | 26° 6 | 8°18 | 6°20 | 5°23 | 5°18 | 3° 0 | n.a. | S 13 |
| S 14 | 18 20 53 | 3°26'02 | 18° 5 | 25°26 | 3°20 | 5°46 | 23°37 | 9° 3 | 26° 9 | 8°19 | 6°22 | 5°21 | 5°15 | 3° 6 | n.a. | S 14 |
| M15 | 18 24 50 | 4°24'06 | 1♎56 | 26°53 | 3°23 | 6°26 | 23°49 | 9°10 | 26°12 | 8°20 | 6°24 | 5°21 | 5°12 | 3°13 | n.a. | M15 |
| T 16 | 18 28 46 | 5°22'12 | 15°58 | 28°20 | 3°29 | 7° 5 | 24° 0 | 9°16 | 26°15 | 8°21 | 6°26 | 5°21 | 5° 8 | 3°20 | n.a. | T 16 |
| W17 | 18 32 43 | 6°20'19 | 0♏13 | 29°45 | 3°38 | 7°46 | 24°12 | 9°22 | 26°18 | 8°23 | 6°28 | 5°19 | 5° 5 | 3°26 | n.a. | W17 |
| T 18 | 18 36 39 | 7°18'27 | 14°37 | 1♌ 9 | 3°48 | 8°26 | 24°24 | 9°29 | 26°21 | 8°24 | 6°30 | 5°16 | 5° 2 | 3°33 | n.a. | T 18 |
| F 19 | 18 40 36 | 8°16'38 | 29° 9 | 2°31 | 4° 1 | 9° 6 | 24°35 | 9°35 | 26°24 | 8°25 | 6°32 | 5°10 | 4°59 | 3°40 | n.a. | F 19 |
| S 20 | 18 44 32 | 9°14'50 | 13♐43 | 3°51 | 4°15 | 9°46 | 24°46 | 9°42 | 26°27 | 8°26 | 6°34 | 5° 2 | 4°56 | 3°46 | n.a. | S 20 |
| S 21 | 18 48 29 | 10°13'04 | 28°12 | 5°10 | 4°32 | 10°27 | 24°58 | 9°48 | 26°30 | 8°28 | 6°36 | 4°51 | 4°53 | 3°53 | n.a. | S 21 |
| M22 | 18 52 26 | 11°11'20 | 12♑30 | 6°28 | 4°50 | 11° 8 | 25° 9 | 9°55 | 26°33 | 8°29 | 6°38 | 4°39 | 4°49 | 4° 0 | n.a. | M22 |
| T 23 | 18 56 22 | 12° 9'38 | 26°31 | 7°43 | 5°10 | 11°48 | 25°20 | 10° 2 | 26°36 | 8°31 | 6°40 | 4°28 | 4°46 | 4° 6 | n.a. | T 23 |
| W24 | 19 0 19 | 13° 7'59 | 10♒ 9 | 8°57 | 5°33 | 12°29 | 25°31 | 10° 8 | 26°38 | 8°32 | 6°42 | 4°18 | 4°43 | 4°13 | n.a. | W24 |
| T 25 | 19 4 15 | 14° 6'21 | 23°24 | 10°10 | 5°56 | 13°10 | 25°42 | 10°15 | 26°41 | 8°34 | 6°44 | 4°10 | 4°40 | 4°20 | n.a. | T 25 |
| F 26 | 19 8 12 | 15° 4'45 | 6♓15 | 11°20 | 6°22 | 13°51 | 25°53 | 10°22 | 26°44 | 8°35 | 6°46 | 4° 5 | 4°37 | 4°26 | n.a. | F 26 |
| S 27 | 19 12 8 | 16° 3'11 | 18°44 | 12°28 | 6°49 | 14°32 | 26° 4 | 10°29 | 26°47 | 8°37 | 6°48 | 4° 2 | 4°33 | 4°33 | n.a. | S 27 |
| S 28 | 19 16 5 | 17° 1'40 | 0♈56 | 13°34 | 7°18 | 15°13 | 26°14 | 10°35 | 26°49 | 8°38 | 6°50 | 4°D 1 | 4°30 | 4°40 | n.a. | S 28 |
| M29 | 19 20 1 | 18° 0'11 | 12°54 | 14°38 | 7°48 | 15°55 | 26°25 | 10°42 | 26°52 | 8°40 | 6°52 | 4°R 1 | 4°27 | 4°46 | n.a. | M29 |
| T 30 | 19 23 58 | 18°58'45 | 24°45 | 15°40 | 8°20 | 16°36 | 26°36 | 10°49 | 26°54 | 8°41 | 6°54 | 4° 1 | 4°24 | 4°53 | n.a. | T 30 |
| W31 | 19 27 55 | 19♋57'21 | 6♉34 | 16♌39 | 8♊53 | 17♍17 | 26♉46 | 10♌56 | 26♉57 | 8♍43 | 6♋56 | 4♈ 0 | 4♈21 | 5♉ 0 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| M 1 | 23n36 | 1n48 | 0s11 | 25n31 | 1n40 | 15n59 | 5s51 | 13n 1 | 0n23 | 18n 3 | 0s20 | 20n36 | 1n58 | 19n31 | 0n 0 | 10n33 | 2n 1 | 34n40 | 10n53 | 2n49 | 2n24 | 14n23 | | | n.a. |
| T 2 | 23 40 | 7 29 | 0n52 | 25 23 | 1 36 | 15 49 | 5 57 | 12 47 | 0 22 | 18 6 | 0 20 | 20 35 | 1 58 | 19 32 | 0 0 | 10 33 | 2 0 | 34 39 | 10 53 | 2 49 | 2 23 | 14 26 | | | n.a. |
| W 3 | 23 44 | 12 53 | 1 52 | 25 14 | 1 32 | 15 39 | 6 3 | 12 32 | 0 21 | 18 9 | 0 20 | 20 33 | 1 58 | 19 32 | 0 0 | 10 33 | 2 0 | 34 39 | 10 53 | 2 48 | 2 22 | 14 29 | | | n.a. |
| T 4 | 23 47 | 17 51 | 2 47 | 25 2 | 1 28 | 15 31 | 6 7 | 12 17 | 0 20 | 18 13 | 0 20 | 20 31 | 1 58 | 19 33 | 0 0 | 10 32 | 2 0 | 34 39 | 10 53 | 2 46 | 2 20 | 14 32 | | | n.a. |
| F 5 | 23 49 | 22 10 | 3 35 | 24 50 | 1 23 | 15 24 | 6 11 | 12 3 | 0 19 | 18 16 | 0 20 | 20 30 | 1 58 | 19 34 | 0 0 | 10 32 | 2 0 | 34 39 | 10 53 | 2 44 | 2 19 | 14 36 | | | n.a. |
| S 6 | 23 51 | 25 36 | 4 15 | 24 35 | 1 18 | 15 17 | 6 14 | 11 48 | 0 18 | 18 19 | 0 20 | 20 28 | 1 58 | 19 35 | 0 0 | 10 31 | 2 0 | 34 39 | 10 53 | 2 40 | 2 18 | 14 39 | | | n.a. |
| S 7 | 23 53 | 27 55 | 4 43 | 24 19 | 1 13 | 15 12 | 6 17 | 11 32 | 0 17 | 18 23 | 0 20 | 20 26 | 1 58 | 19 36 | 0 0 | 10 31 | 2 0 | 34 39 | 10 53 | 2 35 | 2 16 | 14 42 | | | n.a. |
| M 8 | 23 54 | 28 53 | 4 58 | 24 2 | 1 7 | 15 8 | 6 19 | 11 17 | 0 16 | 18 26 | 0 20 | 20 25 | 1 58 | 19 36 | 0 0 | 10 31 | 2 0 | 34 39 | 10 53 | 2 30 | 2 15 | 14 45 | | | n.a. |
| T 9 | 23 55 | 28 21 | 4 59 | 23 44 | 1 1 | 15 4 | 6 21 | 11 2 | 0 15 | 18 29 | 0 20 | 20 23 | 1 57 | 19 37 | 0 0 | 10 30 | 2 0 | 34 39 | 10 53 | 2 24 | 2 14 | 14 48 | | | n.a. |
| W10 | 23 55 | 26 17 | 4 44 | 23 24 | 0 55 | 15 2 | 6 22 | 10 46 | 0 13 | 18 32 | 0 19 | 20 21 | 1 57 | 19 38 | 0 0 | 10 30 | 2 0 | 34 39 | 10 53 | 2 20 | 2 13 | 14 51 | | | n.a. |
| T 11 | 23 55 | 22 48 | 4 15 | 23 4 | 0 48 | 15 0 | 6 22 | 10 31 | 0 12 | 18 36 | 0 19 | 20 19 | 1 57 | 19 39 | 0 0 | 10 29 | 2 0 | 34 39 | 10 53 | 2 16 | 2 11 | 14 54 | | | n.a. |
| F 12 | 23 55 | 18 7 | 3 31 | 22 42 | 0 41 | 15 0 | 6 22 | 10 15 | 0 11 | 18 39 | 0 19 | 20 18 | 1 57 | 19 40 | 0 0 | 10 29 | 2 0 | 34 39 | 10 53 | 2 13 | 2 10 | 14 57 | | | n.a. |
| S 13 | 23 54 | 12 29 | 2 35 | 22 19 | 0 34 | 15 0 | 6 22 | 10 0 | 0 10 | 18 42 | 0 19 | 20 16 | 1 57 | 19 40 | 0 0 | 10 28 | 2 0 | 34 39 | 10 53 | 2 11 | 2 9 | 15 0 | | | n.a. |
| S 14 | 23 53 | 6 11 | 1 30 | 21 56 | 0 27 | 15 1 | 6 21 | 9 44 | 0 9 | 18 45 | 0 19 | 20 14 | 1 57 | 19 41 | 0 0 | 10 28 | 2 0 | 34 39 | 10 53 | 2 10 | 2 7 | 15 3 | | | n.a. |
| M15 | 23 51 | 0s30 | 0 18 | 21 31 | 0 19 | 15 3 | 6 19 | 9 28 | 0 8 | 18 48 | 0 19 | 20 12 | 1 57 | 19 42 | 0 0 | 10 27 | 2 0 | 34 38 | 10 53 | 2 10 | 2 6 | 15 6 | | | n.a. |
| T 16 | 23 49 | 7 16 | 0s56 | 21 6 | 0 12 | 15 6 | 6 18 | 9 12 | 0 7 | 18 51 | 0 19 | 20 11 | 1 57 | 19 43 | 0 0 | 10 27 | 2 0 | 34 38 | 10 53 | 2 10 | 2 5 | 15 9 | | | n.a. |
| W17 | 23 46 | 13 45 | 2 7 | 20 41 | 0 4 | 15 10 | 6 16 | 8 55 | 0 6 | 18 54 | 0 19 | 20 9 | 1 57 | 19 43 | 0 0 | 10 26 | 2 0 | 34 38 | 10 53 | 2 9 | 2 4 | 15 13 | | | n.a. |
| T 18 | 23 43 | 19 35 | 3 11 | 20 14 | 0s 5 | 15 14 | 6 13 | 8 39 | 0 5 | 18 57 | 0 19 | 20 7 | 1 57 | 19 44 | 0 0 | 10 26 | 2 0 | 34 38 | 10 54 | 2 8 | 2 2 | 15 16 | | | n.a. |
| F 19 | 23 40 | 24 20 | 4 4 | 19 47 | 0 13 | 15 19 | 6 10 | 8 23 | 0 4 | 19 0 | 0 19 | 20 5 | 1 57 | 19 45 | 0 0 | 10 25 | 2 0 | 34 38 | 10 54 | 2 6 | 2 1 | 15 19 | | | n.a. |
| S 20 | 23 36 | 27 32 | 4 40 | 19 20 | 0 21 | 15 25 | 6 7 | 8 6 | 0 3 | 19 3 | 0 19 | 20 3 | 1 57 | 19 45 | 0 0 | 10 25 | 1 59 | 34 38 | 10 54 | 2 2 | 2 0 | 15 22 | | | n.a. |
| S 21 | 23 31 | 28 53 | 4 58 | 18 53 | 0 30 | 15 31 | 6 4 | 7 50 | 0 2 | 19 6 | 0 19 | 20 2 | 1 57 | 19 46 | 0 0 | 10 24 | 1 59 | 34 38 | 10 54 | 1 58 | 1 59 | 15 25 | | | n.a. |
| M22 | 23 27 | 28 16 | 4 58 | 18 25 | 0 39 | 15 38 | 6 0 | 7 33 | 0 1 | 19 8 | 0 19 | 20 0 | 1 57 | 19 47 | 0 0 | 10 23 | 1 59 | 34 38 | 10 54 | 1 53 | 1 57 | 15 28 | | | n.a. |
| T 23 | 23 21 | 25 50 | 4 39 | 17 57 | 0 47 | 15 45 | 5 57 | 7 17 | 0 0 | 19 11 | 0 18 | 19 58 | 1 57 | 19 48 | 0 0 | 10 23 | 1 59 | 34 38 | 10 54 | 1 49 | 1 56 | 15 31 | | | n.a. |
| W24 | 23 16 | 21 58 | 4 4 | 17 29 | 0 56 | 15 53 | 5 53 | 7 0 | 0s 1 | 19 14 | 0 18 | 19 56 | 1 57 | 19 48 | 0 0 | 10 22 | 1 59 | 34 38 | 10 54 | 1 44 | 1 55 | 15 34 | | | n.a. |
| T 25 | 23 10 | 17 5 | 3 17 | 17 0 | 1 5 | 16 1 | 5 48 | 6 43 | 0 2 | 19 17 | 0 18 | 19 54 | 1 57 | 19 49 | 0 0 | 10 22 | 1 59 | 34 38 | 10 54 | 1 41 | 1 53 | 15 37 | | | n.a. |
| F 26 | 23 3 | 11 35 | 2 21 | 16 32 | 1 15 | 16 10 | 5 44 | 6 26 | 0 3 | 19 19 | 0 18 | 19 52 | 1 57 | 19 50 | 0 0 | 10 21 | 1 59 | 34 38 | 10 54 | 1 39 | 1 52 | 15 40 | | | n.a. |
| S 27 | 22 56 | 5 46 | 1 20 | 16 4 | 1 24 | 16 19 | 5 39 | 6 9 | 0 4 | 19 22 | 0 18 | 19 50 | 1 57 | 19 50 | 0 0 | 10 20 | 1 59 | 34 38 | 10 54 | 1 38 | 1 51 | 15 43 | | | n.a. |
| S 28 | 22 49 | 0n 8 | 0 16 | 15 36 | 1 33 | 16 29 | 5 34 | 5 52 | 0 5 | 19 25 | 0 18 | 19 48 | 1 57 | 19 51 | 0 0 | 10 20 | 1 59 | 34 38 | 10 55 | 1 38 | 1 50 | 15 46 | | | n.a. |
| M29 | 22 41 | 5 55 | 0n47 | 15 9 | 1 42 | 16 39 | 5 29 | 5 35 | 0 6 | 19 27 | 0 18 | 19 46 | 1 57 | 19 51 | 0 0 | 10 19 | 1 59 | 34 38 | 10 55 | 1 38 | 1 48 | 15 49 | | | n.a. |
| T 30 | 22 33 | 11 26 | 1 48 | 14 42 | 1 51 | 16 49 | 5 24 | 5 18 | 0 7 | 19 30 | 0 18 | 19 44 | 1 57 | 19 52 | 0 0 | 10 18 | 1 59 | 34 38 | 10 55 | 1 38 | 1 47 | 15 52 | | | n.a. |
| W31 | 22n24 | 16n33 | 2n44 | 14n15 | 2s 0 | 16n59 | 5s19 | 5n 0 | 0s 8 | 19n32 | 0s18 | 19n42 | 1n57 | 19n53 | 0n 0 | 10n18 | 1n59 | 34n38 | 10n55 | 1n37 | 1n46 | 15n55 | | | n.a. |

Julian Day Number = 992200.5, Delta T = 13h01m08s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'55, Lahiri = -31°28'54 Julian Calendar 1 July 1997 BCE == Greg. Calendar 14 June 1997 BCE

The year -1996 astronomical counting style corresponds to year 1997 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## AUGUST 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 31 51 | 20♋55'59 | 18♉26 | 17♌36 | 9♊28 | 17♍59 | 26♉56 | 11♌ 3 | 26♉59 | 8♍44 | 6♋58 | 3°R57 | 4♈18 | 5♉ 6 | n.a. | T 1 |
| F 2 | 19 35 48 | 21°54'40 | 0♊25 | 18°29 | 10° 4 | 18°41 | 27° 7 | 11°10 | 27° 2 | 8°46 | 7° 0 | 3♈51 | 4°14 | 5°13 | n.a. | F 2 |
| S 3 | 19 39 44 | 22°53'23 | 12°37 | 19°20 | 10°41 | 19°23 | 27°17 | 11°17 | 27° 4 | 8°48 | 7° 2 | 3°42 | 4°11 | 5°20 | n.a. | S 3 |
| S 4 | 19 43 41 | 23°52'08 | 25° 3 | 20° 7 | 11°19 | 20° 4 | 27°27 | 11°24 | 27° 7 | 8°50 | 7° 4 | 3°32 | 4° 8 | 5°26 | n.a. | S 4 |
| M 5 | 19 47 37 | 24°50'56 | 7♋45 | 20°51 | 11°59 | 20°46 | 27°37 | 11°31 | 27° 9 | 8°51 | 7° 6 | 3°20 | 4° 5 | 5°33 | n.a. | M 5 |
| T 6 | 19 51 34 | 25°49'46 | 20°44 | 21°31 | 12°39 | 21°28 | 27°47 | 11°38 | 27°11 | 8°53 | 7° 7 | 3° 8 | 4° 2 | 5°40 | n.a. | T 6 |
| W 7 | 19 55 30 | 26°48'38 | 3♌58 | 22° 6 | 13°21 | 22°11 | 27°56 | 11°45 | 27°14 | 8°55 | 7° 9 | 2°57 | 3°59 | 5°46 | n.a. | W 7 |
| T 8 | 19 59 27 | 27°47'33 | 17°26 | 22°38 | 14° 4 | 22°53 | 28° 6 | 11°52 | 27°16 | 8°57 | 7°11 | 2°48 | 3°55 | 5°53 | n.a. | T 8 |
| F 9 | 20 3 24 | 28°46'29 | 1♍ 5 | 23° 4 | 14°48 | 23°35 | 28°15 | 11°59 | 27°18 | 8°58 | 7°13 | 2°42 | 3°52 | 6° 0 | n.a. | F 9 |
| S 10 | 20 7 20 | 29°45'27 | 14°54 | 23°25 | 15°33 | 24°18 | 28°25 | 12° 6 | 27°20 | 9° 0 | 7°15 | 2°38 | 3°49 | 6° 6 | n.a. | S 10 |
| S 11 | 20 11 17 | 0♌44'28 | 28°49 | 23°41 | 16°18 | 25° 0 | 28°34 | 12°13 | 27°22 | 9° 2 | 7°17 | 2°D37 | 3°46 | 6°13 | n.a. | S 11 |
| M12 | 20 15 13 | 1°43'30 | 12♎49 | 23°51 | 17° 5 | 25°43 | 28°43 | 12°21 | 27°24 | 9° 4 | 7°19 | 2°37 | 3°43 | 6°20 | n.a. | M12 |
| T 13 | 20 19 10 | 2°42'34 | 26°53 | 23°R54 | 17°52 | 26°25 | 28°52 | 12°28 | 27°26 | 9° 6 | 7°21 | 2°R38 | 3°39 | 6°26 | n.a. | T 13 |
| W14 | 20 23 6 | 3°41'40 | 11♏ 1 | 23°50 | 18°41 | 27° 8 | 29° 1 | 12°35 | 27°28 | 9° 8 | 7°22 | 2°38 | 3°36 | 6°33 | n.a. | W14 |
| T 15 | 20 27 3 | 4°40'48 | 25°11 | 23°40 | 19°30 | 27°51 | 29°10 | 12°42 | 27°30 | 9°10 | 7°24 | 2°36 | 3°33 | 6°40 | n.a. | T 15 |
| F 16 | 20 30 59 | 5°39'58 | 9♐22 | 23°22 | 20°20 | 28°34 | 29°19 | 12°49 | 27°32 | 9°12 | 7°26 | 2°32 | 3°30 | 6°46 | n.a. | F 16 |
| S 17 | 20 34 56 | 6°39'10 | 23°30 | 22°56 | 21°10 | 29°17 | 29°28 | 12°56 | 27°34 | 9°13 | 7°28 | 2°25 | 3°27 | 6°53 | n.a. | S 17 |
| S 18 | 20 38 52 | 7°38'24 | 7♑32 | 22°22 | 22° 2 | 0♎ 0 | 29°36 | 13° 4 | 27°36 | 9°15 | 7°30 | 2°17 | 3°24 | 7° 0 | n.a. | S 18 |
| M19 | 20 42 49 | 8°37'40 | 21°24 | 21°41 | 22°54 | 0°43 | 29°44 | 13°11 | 27°37 | 9°17 | 7°31 | 2° 8 | 3°20 | 7° 7 | n.a. | M19 |
| T 20 | 20 46 46 | 9°36'58 | 5♒ 2 | 20°52 | 23°46 | 1°27 | 29°53 | 13°18 | 27°39 | 9°19 | 7°33 | 1°59 | 3°17 | 7°13 | n.a. | T 20 |
| W21 | 20 50 42 | 10°36'19 | 18°24 | 19°57 | 24°40 | 2°10 | 0♊ 1 | 13°25 | 27°41 | 9°21 | 7°35 | 1°51 | 3°14 | 7°20 | n.a. | W21 |
| T 22 | 20 54 39 | 11°35'41 | 1♓26 | 18°56 | 25°34 | 2°53 | 0° 9 | 13°32 | 27°42 | 9°24 | 7°37 | 1°45 | 3°11 | 7°27 | n.a. | T 22 |
| F 23 | 20 58 35 | 12°35'06 | 14°10 | 17°50 | 26°29 | 3°37 | 0°16 | 13°40 | 27°44 | 9°26 | 7°38 | 1°41 | 3° 8 | 7°33 | n.a. | F 23 |
| S 24 | 21 2 32 | 13°34'33 | 26°35 | 16°40 | 27°24 | 4°20 | 0°24 | 13°47 | 27°45 | 9°28 | 7°40 | 1°D40 | 3° 4 | 7°40 | n.a. | S 24 |
| S 25 | 21 6 28 | 14°34'03 | 8♈45 | 15°29 | 28°20 | 5° 4 | 0°32 | 13°54 | 27°47 | 9°30 | 7°42 | 1°40 | 3° 1 | 7°47 | n.a. | S 25 |
| M26 | 21 10 25 | 15°33'34 | 20°44 | 14°18 | 29°16 | 5°48 | 0°39 | 14° 1 | 27°48 | 9°32 | 7°43 | 1°41 | 2°58 | 7°53 | n.a. | M26 |
| T 27 | 21 14 21 | 16°33'09 | 2♉35 | 13° 9 | 0♋13 | 6°32 | 0°46 | 14° 9 | 27°49 | 9°34 | 7°45 | 1°42 | 2°55 | 8° 0 | n.a. | T 27 |
| W28 | 21 18 18 | 17°32'46 | 14°24 | 12° 4 | 1°11 | 7°15 | 0°53 | 14°16 | 27°51 | 9°36 | 7°47 | 1°R43 | 2°52 | 8° 7 | n.a. | W28 |
| T 29 | 21 22 14 | 18°32'25 | 26°17 | 11° 5 | 2° 9 | 7°59 | 1° 0 | 14°23 | 27°52 | 9°38 | 7°48 | 1°43 | 2°49 | 8°13 | n.a. | T 29 |
| F 30 | 21 26 11 | 19°32'07 | 8♊17 | 10°14 | 3° 8 | 8°43 | 1° 7 | 14°30 | 27°53 | 9°40 | 7°50 | 1°41 | 2°45 | 8°20 | n.a. | F 30 |
| S 31 | 21 30 8 | 20♌31'52 | 20♊31 | 9♌32 | 4♋ 7 | 9♎28 | 1♊14 | 14♌37 | 27♉54 | 9♍42 | 7♋51 | 1♈37 | 2♈42 | 8♉27 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 22n16 | 21n 4 | 3n33 | 13n49 | 2s 9 | 17n 9 | 5s13 | 4n43 | 0s 8 | 19n35 | 0s18 | 19n40 | 1n57 | 19n53 | 0n 0 | 10n17 | 1n59 | 34n38 | 10n55 | 1n36 | 1n44 | 15n58 | | | n.a. |
| F 2 | 22 6 | 24 46 | 4 13 | 13 24 | 2 19 | 17 20 | 5 8 | 4 25 | 0 9 | 19 37 | 0 18 | 19 38 | 1 57 | 19 54 | 0 0 | 10 16 | 1 59 | 34 38 | 10 55 | 1 34 | 1 43 | 16 1 | | | n.a. |
| S 3 | 21 56 | 27 26 | 4 42 | 13 0 | 2 27 | 17 31 | 5 2 | 4 8 | 0 10 | 19 40 | 0 18 | 19 36 | 1 57 | 19 54 | 0 0 | 10 16 | 1 59 | 34 38 | 10 55 | 1 30 | 1 42 | 16 4 | | | n.a. |
| S 4 | 21 46 | 28 48 | 4 59 | 12 36 | 2 36 | 17 42 | 4 57 | 3 50 | 0 11 | 19 42 | 0 18 | 19 34 | 1 57 | 19 55 | 0 0 | 10 15 | 1 59 | 34 38 | 10 56 | 1 26 | 1 41 | 16 7 | | | n.a. |
| M 5 | 21 36 | 28 42 | 5 1 | 12 14 | 2 45 | 17 53 | 4 51 | 3 33 | 0 12 | 19 45 | 0 17 | 19 32 | 1 57 | 19 56 | 0 0 | 10 14 | 1 59 | 34 39 | 10 56 | 1 21 | 1 39 | 16 10 | | | n.a. |
| T 6 | 21 25 | 27 2 | 4 48 | 11 54 | 2 53 | 18 4 | 4 45 | 3 15 | 0 13 | 19 47 | 0 17 | 19 30 | 1 57 | 19 56 | 0 0 | 10 14 | 1 59 | 34 39 | 10 56 | 1 16 | 1 38 | 16 13 | | | n.a. |
| W 7 | 21 13 | 23 51 | 4 20 | 11 34 | 3 1 | 18 15 | 4 39 | 2 57 | 0 14 | 19 49 | 0 17 | 19 28 | 1 57 | 19 57 | 0 0 | 10 13 | 1 59 | 34 39 | 10 56 | 1 12 | 1 37 | 16 16 | | | n.a. |
| T 8 | 21 1 | 19 21 | 3 36 | 11 17 | 3 9 | 18 26 | 4 33 | 2 39 | 0 15 | 19 52 | 0 17 | 19 26 | 1 57 | 19 57 | 0 0 | 10 12 | 1 59 | 34 39 | 10 56 | 1 8 | 1 35 | 16 19 | | | n.a. |
| F 9 | 20 49 | 13 47 | 2 40 | 11 2 | 3 16 | 18 37 | 4 27 | 2 21 | 0 16 | 19 54 | 0 17 | 19 24 | 1 57 | 19 58 | 0 0 | 10 12 | 1 59 | 34 39 | 10 56 | 1 6 | 1 34 | 16 22 | | | n.a. |
| S 10 | 20 37 | 7 30 | 1 33 | 10 48 | 3 23 | 18 48 | 4 21 | 2 3 | 0 17 | 19 56 | 0 17 | 19 22 | 1 57 | 19 58 | 0 0 | 10 11 | 1 59 | 34 39 | 10 57 | 1 4 | 1 33 | 16 25 | | | n.a. |
| S 11 | 20 24 | 0 48 | 0 20 | 10 37 | 3 29 | 18 59 | 4 15 | 1 45 | 0 18 | 19 58 | 0 17 | 19 20 | 1 57 | 19 59 | 0 0 | 10 10 | 1 58 | 34 39 | 10 57 | 1 4 | 1 32 | 16 28 | | | n.a. |
| M12 | 20 11 | 5s59 | 0s54 | 10 29 | 3 34 | 19 10 | 4 8 | 1 27 | 0 18 | 20 0 | 0 17 | 19 18 | 1 57 | 19 59 | 0 0 | 10 9 | 1 58 | 34 39 | 10 57 | 1 4 | 1 30 | 16 31 | | | n.a. |
| T 13 | 19 57 | 12 31 | 2 6 | 10 24 | 3 39 | 19 20 | 4 2 | 1 9 | 0 19 | 20 2 | 0 17 | 19 16 | 1 57 | 20 0 | 0 0 | 10 9 | 1 58 | 34 39 | 10 57 | 1 4 | 1 29 | 16 34 | | | n.a. |
| W14 | 19 43 | 18 27 | 3 10 | 10 21 | 3 42 | 19 31 | 3 56 | 0 51 | 0 20 | 20 5 | 0 17 | 19 14 | 1 57 | 20 0 | 0 0 | 10 8 | 1 58 | 34 39 | 10 57 | 1 4 | 1 28 | 16 37 | | | n.a. |
| T 15 | 19 29 | 23 22 | 4 3 | 10 22 | 3 45 | 19 41 | 3 50 | 0 33 | 0 21 | 20 7 | 0 17 | 19 12 | 1 57 | 20 1 | 0 0 | 10 7 | 1 58 | 34 39 | 10 58 | 1 3 | 1 26 | 16 40 | | | n.a. |
| F 16 | 19 14 | 26 56 | 4 41 | 10 27 | 3 46 | 19 51 | 3 43 | 0 15 | 0 22 | 20 9 | 0 17 | 19 10 | 1 57 | 20 1 | 0 1 | 10 6 | 1 58 | 34 39 | 10 58 | 1 1 | 1 25 | 16 43 | | | n.a. |
| S 17 | 18 59 | 28 47 | 5 2 | 10 36 | 3 46 | 20 1 | 3 37 | 0s 3 | 0 23 | 20 11 | 0 16 | 19 8 | 1 57 | 20 2 | 0 1 | 10 5 | 1 58 | 34 40 | 10 58 | 0 59 | 1 24 | 16 46 | | | n.a. |
| S 18 | 18 44 | 28 46 | 5 4 | 10 48 | 3 44 | 20 11 | 3 31 | 0 22 | 0 23 | 20 12 | 0 16 | 19 6 | 1 57 | 20 2 | 0 1 | 10 5 | 1 58 | 34 40 | 10 58 | 0 56 | 1 23 | 16 49 | | | n.a. |
| M19 | 18 28 | 26 56 | 4 49 | 11 5 | 3 41 | 20 20 | 3 24 | 0 40 | 0 24 | 20 14 | 0 16 | 19 4 | 1 57 | 20 2 | 0 1 | 10 4 | 1 58 | 34 40 | 10 59 | 0 52 | 1 21 | 16 52 | | | n.a. |
| T 20 | 18 12 | 23 32 | 4 17 | 11 26 | 3 36 | 20 29 | 3 18 | 0 58 | 0 25 | 20 16 | 0 16 | 19 2 | 1 57 | 20 3 | 0 1 | 10 3 | 1 58 | 34 40 | 10 59 | 0 48 | 1 20 | 16 55 | | | n.a. |
| W21 | 17 56 | 18 58 | 3 31 | 11 50 | 3 29 | 20 38 | 3 11 | 1 16 | 0 26 | 20 18 | 0 16 | 19 0 | 1 57 | 20 3 | 0 1 | 10 2 | 1 58 | 34 40 | 10 59 | 0 45 | 1 19 | 16 58 | | | n.a. |
| T 22 | 17 39 | 13 36 | 2 35 | 12 18 | 3 19 | 20 46 | 3 5 | 1 35 | 0 27 | 20 20 | 0 16 | 18 58 | 1 57 | 20 4 | 0 1 | 10 1 | 1 58 | 34 40 | 10 59 | 0 43 | 1 17 | 17 1 | | | n.a. |
| F 23 | 17 22 | 7 47 | 1 33 | 12 49 | 3 8 | 20 54 | 2 59 | 1 53 | 0 28 | 20 22 | 0 16 | 18 55 | 1 57 | 20 4 | 0 1 | 10 1 | 1 58 | 34 40 | 11 0 | 0 41 | 1 16 | 17 3 | | | n.a. |
| S 24 | 17 5 | 1 48 | 0 27 | 13 23 | 2 55 | 21 2 | 2 52 | 2 11 | 0 28 | 20 23 | 0 16 | 18 53 | 1 57 | 20 4 | 0 1 | 10 0 | 1 58 | 34 40 | 11 0 | 0 40 | 1 15 | 17 6 | | | n.a. |
| S 25 | 16 48 | 4n 7 | 0n38 | 13 59 | 2 40 | 21 9 | 2 46 | 2 30 | 0 29 | 20 25 | 0 16 | 18 51 | 1 57 | 20 5 | 0 1 | 9 59 | 1 58 | 34 41 | 11 0 | 0 40 | 1 14 | 17 9 | | | n.a. |
| M26 | 16 30 | 9 49 | 1 41 | 14 36 | 2 23 | 21 16 | 2 40 | 2 48 | 0 30 | 20 27 | 0 16 | 18 49 | 1 57 | 20 5 | 0 1 | 9 58 | 1 58 | 34 41 | 11 0 | 0 41 | 1 12 | 17 12 | | | n.a. |
| T 27 | 16 12 | 15 6 | 2 39 | 15 13 | 2 5 | 21 22 | 2 33 | 3 7 | 0 31 | 20 28 | 0 16 | 18 47 | 1 57 | 20 5 | 0 1 | 9 57 | 1 58 | 34 41 | 11 1 | 0 42 | 1 11 | 17 15 | | | n.a. |
| W28 | 15 53 | 19 50 | 3 31 | 15 50 | 1 45 | 21 28 | 2 27 | 3 25 | 0 31 | 20 30 | 0 16 | 18 45 | 1 57 | 20 6 | 0 1 | 9 57 | 1 58 | 34 41 | 11 1 | 0 42 | 1 10 | 17 18 | | | n.a. |
| T 29 | 15 35 | 23 48 | 4 13 | 16 26 | 1 25 | 21 34 | 2 21 | 3 43 | 0 32 | 20 31 | 0 16 | 18 43 | 1 57 | 20 6 | 0 1 | 9 56 | 1 58 | 34 41 | 11 1 | 0 42 | 1 8 | 17 21 | | | n.a. |
| F 30 | 15 16 | 26 49 | 4 45 | 16 59 | 1 5 | 21 39 | 2 15 | 4 2 | 0 33 | 20 33 | 0 15 | 18 41 | 1 57 | 20 6 | 0 1 | 9 55 | 1 58 | 34 41 | 11 1 | 0 41 | 1 7 | 17 24 | | | n.a. |
| S 31 | 14n56 | 28n38 | 5n 4 | 17n30 | 0s45 | 21n43 | 2s 8 | 4s20 | 0s34 | 20n34 | 0s15 | 18n39 | 1n57 | 20n 6 | 0n 1 | 9n54 | 1n58 | 34n42 | 11n 2 | 0n39 | 1n 6 | 17n27 | | | n.a. |

Julian Day Number = 992231.5, Delta T = 13h01m06s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'51, Lahiri = -31°28'50 Julian Calendar 1 Aug. 1997 BCE == Greg. Calendar 15 July 1997 BCE

The year -1996 astronomical counting style corresponds to year 1997 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## SEPTEMBER 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 34 4 | 21♌31'38 | 3♋ 2 | 9°R 0 | 5♋ 6 | 10♎12 | 1♊21 | 14♌45 | 27♉55 | 9♍45 | 7♋53 | 1°R32 | 2♈39 | 8♉33 | n.a. | S 1 |
| M 2 | 21 38 1 | 22°31'27 | 15°52 | 8♌39 | 6° 6 | 10°56 | 1°27 | 14°52 | 27°56 | 9°47 | 7°55 | 1♈25 | 2°36 | 8°40 | n.a. | M 2 |
| T 3 | 21 41 57 | 23°31'19 | 29° 3 | 8°D30 | 7° 7 | 11°40 | 1°33 | 14°59 | 27°57 | 9°49 | 7°56 | 1°19 | 2°33 | 8°47 | n.a. | T 3 |
| W 4 | 21 45 54 | 24°31'13 | 12♌34 | 8°31 | 8° 7 | 12°25 | 1°39 | 15° 6 | 27°58 | 9°51 | 7°58 | 1°13 | 2°30 | 8°53 | n.a. | W 4 |
| T 5 | 21 49 50 | 25°31'09 | 26°24 | 8°43 | 9° 9 | 13° 9 | 1°45 | 15°13 | 27°59 | 9°53 | 7°59 | 1° 7 | 2°26 | 9° 0 | n.a. | T 5 |
| F 6 | 21 53 47 | 26°31'06 | 10♍29 | 9° 6 | 10°10 | 13°54 | 1°51 | 15°20 | 28° 0 | 9°55 | 8° 1 | 1° 4 | 2°23 | 9° 7 | n.a. | F 6 |
| S 7 | 21 57 43 | 27°31'06 | 24°44 | 9°38 | 11°12 | 14°38 | 1°56 | 15°28 | 28° 1 | 9°58 | 8° 2 | 1°D 3 | 2°20 | 9°13 | n.a. | S 7 |
| S 8 | 22 1 40 | 28°31'08 | 9♎ 5 | 10°20 | 12°15 | 15°23 | 2° 2 | 15°35 | 28° 1 | 10° 0 | 8° 3 | 1° 3 | 2°17 | 9°20 | n.a. | S 8 |
| M 9 | 22 5 36 | 29°31'12 | 23°27 | 11° 9 | 13°17 | 16° 8 | 2° 7 | 15°42 | 28° 2 | 10° 2 | 8° 5 | 1° 4 | 2°14 | 9°27 | n.a. | M 9 |
| T 10 | 22 9 33 | 0♍31'18 | 7♏47 | 12° 7 | 14°20 | 16°53 | 2°12 | 15°49 | 28° 3 | 10° 4 | 8° 6 | 1° 5 | 2°10 | 9°33 | n.a. | T 10 |
| W11 | 22 13 30 | 1°31'25 | 22° 2 | 13°10 | 15°24 | 17°37 | 2°17 | 15°56 | 28° 3 | 10° 7 | 8° 7 | 1° 7 | 2° 7 | 9°40 | n.a. | W11 |
| T 12 | 22 17 26 | 2°31'34 | 6♐ 9 | 14°20 | 16°28 | 18°22 | 2°22 | 16° 3 | 28° 4 | 10° 9 | 8° 9 | 1°R 7 | 2° 4 | 9°47 | n.a. | T 12 |
| F 13 | 22 21 23 | 3°31'45 | 20° 7 | 15°34 | 17°32 | 19° 7 | 2°27 | 16°10 | 28° 4 | 10°11 | 8°10 | 1° 6 | 2° 1 | 9°53 | n.a. | F 13 |
| S 14 | 22 25 19 | 4°31'58 | 3♑55 | 16°53 | 18°36 | 19°52 | 2°31 | 16°17 | 28° 4 | 10°13 | 8°11 | 1° 3 | 1°58 | 10° 0 | n.a. | S 14 |
| S 15 | 22 29 16 | 5°32'12 | 17°33 | 18°15 | 19°41 | 20°37 | 2°35 | 16°24 | 28° 5 | 10°15 | 8°13 | 1° 0 | 1°55 | 10° 7 | n.a. | S 15 |
| M16 | 22 33 12 | 6°32'28 | 0♒58 | 19°41 | 20°46 | 21°23 | 2°39 | 16°31 | 28° 5 | 10°18 | 8°14 | 0°56 | 1°51 | 10°13 | n.a. | M16 |
| T 17 | 22 37 9 | 7°32'46 | 14°10 | 21° 9 | 21°51 | 22° 8 | 2°43 | 16°38 | 28° 5 | 10°20 | 8°15 | 0°52 | 1°48 | 10°20 | n.a. | T 17 |
| W18 | 22 41 5 | 8°33'06 | 27° 8 | 22°39 | 22°57 | 22°53 | 2°47 | 16°45 | 28° 5 | 10°22 | 8°16 | 0°49 | 1°45 | 10°27 | n.a. | W18 |
| T 19 | 22 45 2 | 9°33'27 | 9♓52 | 24°11 | 24° 3 | 23°38 | 2°50 | 16°52 | 28° 6 | 10°24 | 8°17 | 0°47 | 1°42 | 10°33 | n.a. | T 19 |
| F 20 | 22 48 58 | 10°33'50 | 22°22 | 25°44 | 25° 9 | 24°24 | 2°54 | 16°58 | 28°R 6 | 10°27 | 8°18 | 0°46 | 1°39 | 10°40 | n.a. | F 20 |
| S 21 | 22 52 55 | 11°34'15 | 4♈38 | 27°19 | 26°15 | 25° 9 | 2°57 | 17° 5 | 28° 6 | 10°29 | 8°20 | 0°D45 | 1°36 | 10°47 | n.a. | S 21 |
| S 22 | 22 56 52 | 12°34'42 | 16°44 | 28°54 | 27°22 | 25°55 | 3° 0 | 17°12 | 28° 5 | 10°31 | 8°21 | 0°46 | 1°32 | 10°53 | n.a. | S 22 |
| M23 | 23 0 48 | 13°35'11 | 28°40 | 0♍30 | 28°29 | 26°40 | 3° 3 | 17°19 | 28° 5 | 10°33 | 8°22 | 0°47 | 1°29 | 11° 0 | n.a. | M23 |
| T 24 | 23 4 45 | 14°35'42 | 10♉31 | 2° 6 | 29°36 | 27°26 | 3° 5 | 17°25 | 28° 5 | 10°36 | 8°23 | 0°49 | 1°26 | 11° 7 | n.a. | T 24 |
| W25 | 23 8 41 | 15°36'16 | 22°20 | 3°43 | 0♌43 | 28°12 | 3° 8 | 17°32 | 28° 5 | 10°38 | 8°24 | 0°50 | 1°23 | 11°13 | n.a. | W25 |
| T 26 | 23 12 38 | 16°36'51 | 4♊12 | 5°20 | 1°51 | 28°57 | 3°10 | 17°39 | 28° 5 | 10°40 | 8°25 | 0°51 | 1°20 | 11°20 | n.a. | T 26 |
| F 27 | 23 16 34 | 17°37'28 | 16°11 | 6°58 | 2°59 | 29°43 | 3°12 | 17°45 | 28° 4 | 10°42 | 8°26 | 0°R52 | 1°16 | 11°27 | n.a. | F 27 |
| S 28 | 23 20 31 | 18°38'07 | 28°22 | 8°35 | 4° 7 | 0♏29 | 3°14 | 17°52 | 28° 4 | 10°45 | 8°26 | 0°52 | 1°13 | 11°33 | n.a. | S 28 |
| S 29 | 23 24 27 | 19°38'48 | 10♋50 | 10°12 | 5°15 | 1°15 | 3°15 | 17°58 | 28° 4 | 10°47 | 8°27 | 0°51 | 1°10 | 11°40 | n.a. | S 29 |
| M30 | 23 28 24 | 20♍39'31 | 23♋39 | 11♍49 | 6♌23 | 2♏ 1 | 3♊17 | 18♌ 5 | 28♉ 3 | 10♍49 | 8♋28 | 0♈50 | 1♈ 7 | 11♉47 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n37 | 29n 3 | 5n10 | 17n57 | 0s26 | 21n47 | 2s 2 | 4s39 | 0s34 | 20n36 | 0s15 | 18n37 | 1n57 | 20n 7 | 0n 1 | 9n53 | 1n58 | 34n42 | 11n 2 | 0n37 | 1n 4 | 17n30 | | n.a. |
| M 2 | 14 17 | 27 56 | 5 0 | 18 21 | 0 7 | 21 51 | 1 56 | 4 57 | 0 35 | 20 37 | 0 15 | 18 34 | 1 57 | 20 7 | 0 1 | 9 52 | 1 58 | 34 42 | 11 2 | 0 35 | 1 3 | 17 33 | | n.a. |
| T 3 | 13 57 | 25 14 | 4 35 | 18 41 | 0n11 | 21 54 | 1 50 | 5 15 | 0 36 | 20 39 | 0 15 | 18 32 | 1 58 | 20 7 | 0 1 | 9 51 | 1 58 | 34 42 | 11 3 | 0 32 | 1 2 | 17 35 | | n.a. |
| W 4 | 13 37 | 21 6 | 3 53 | 18 57 | 0 28 | 21 56 | 1 44 | 5 34 | 0 37 | 20 40 | 0 15 | 18 30 | 1 58 | 20 7 | 0 1 | 9 51 | 1 58 | 34 42 | 11 3 | 0 29 | 1 1 | 17 38 | | n.a. |
| T 5 | 13 16 | 15 45 | 2 58 | 19 8 | 0 43 | 21 58 | 1 38 | 5 52 | 0 37 | 20 41 | 0 15 | 18 28 | 1 58 | 20 8 | 0 1 | 9 50 | 1 58 | 34 43 | 11 3 | 0 27 | 0 59 | 17 41 | | n.a. |
| F 6 | 12 56 | 9 29 | 1 50 | 19 16 | 0 57 | 22 0 | 1 32 | 6 10 | 0 38 | 20 43 | 0 15 | 18 26 | 1 58 | 20 8 | 0 1 | 9 49 | 1 58 | 34 43 | 11 4 | 0 26 | 0 58 | 17 44 | | n.a. |
| S 7 | 12 35 | 2 39 | 0 34 | 19 19 | 1 10 | 22 1 | 1 26 | 6 29 | 0 39 | 20 44 | 0 15 | 18 24 | 1 58 | 20 8 | 0 1 | 9 48 | 1 58 | 34 43 | 11 4 | 0 25 | 0 57 | 17 47 | | n.a. |
| S 8 | 12 14 | 4s21 | 0s44 | 19 18 | 1 21 | 22 1 | 1 20 | 6 47 | 0 39 | 20 45 | 0 15 | 18 22 | 1 58 | 20 8 | 0 1 | 9 47 | 1 58 | 34 43 | 11 4 | 0 25 | 0 55 | 17 50 | | n.a. |
| M 9 | 11 52 | 11 8 | 2 0 | 19 14 | 1 30 | 22 1 | 1 15 | 7 5 | 0 40 | 20 46 | 0 15 | 18 20 | 1 58 | 20 8 | 0 1 | 9 46 | 1 58 | 34 44 | 11 5 | 0 26 | 0 54 | 17 53 | | n.a. |
| T 10 | 11 31 | 17 20 | 3 8 | 19 5 | 1 39 | 22 0 | 1 9 | 7 23 | 0 41 | 20 47 | 0 15 | 18 18 | 1 58 | 20 8 | 0 1 | 9 45 | 1 58 | 34 44 | 11 5 | 0 26 | 0 53 | 17 56 | | n.a. |
| W11 | 11 9 | 22 34 | 4 4 | 18 53 | 1 46 | 21 58 | 1 3 | 7 41 | 0 42 | 20 48 | 0 14 | 18 16 | 1 58 | 20 9 | 0 1 | 9 45 | 1 58 | 34 44 | 11 5 | 0 27 | 0 52 | 17 58 | | n.a. |
| T 12 | 10 47 | 26 26 | 4 44 | 18 38 | 1 52 | 21 56 | 0 58 | 8 0 | 0 42 | 20 49 | 0 14 | 18 14 | 1 58 | 20 9 | 0 1 | 9 44 | 1 58 | 34 44 | 11 6 | 0 27 | 0 50 | 18 1 | | n.a. |
| F 13 | 10 25 | 28 40 | 5 8 | 18 20 | 1 56 | 21 53 | 0 52 | 8 18 | 0 43 | 20 50 | 0 14 | 18 12 | 1 58 | 20 9 | 0 1 | 9 43 | 1 58 | 34 45 | 11 6 | 0 27 | 0 49 | 18 4 | | n.a. |
| S 14 | 10 3 | 29 5 | 5 13 | 17 59 | 2 0 | 21 50 | 0 47 | 8 36 | 0 44 | 20 51 | 0 14 | 18 9 | 1 59 | 20 9 | 0 1 | 9 42 | 1 58 | 34 45 | 11 6 | 0 26 | 0 48 | 18 7 | | n.a. |
| S 15 | 9 40 | 27 43 | 5 1 | 17 36 | 2 2 | 21 46 | 0 41 | 8 54 | 0 44 | 20 52 | 0 14 | 18 7 | 1 59 | 20 9 | 0 1 | 9 41 | 1 58 | 34 45 | 11 7 | 0 24 | 0 46 | 18 10 | | n.a. |
| M16 | 9 17 | 24 46 | 4 32 | 17 10 | 2 4 | 21 42 | 0 36 | 9 11 | 0 45 | 20 53 | 0 14 | 18 5 | 1 59 | 20 9 | 0 1 | 9 40 | 1 58 | 34 45 | 11 7 | 0 23 | 0 45 | 18 13 | | n.a. |
| T 17 | 8 55 | 20 33 | 3 49 | 16 42 | 2 4 | 21 37 | 0 30 | 9 29 | 0 45 | 20 54 | 0 14 | 18 3 | 1 59 | 20 9 | 0 1 | 9 39 | 1 58 | 34 46 | 11 7 | 0 21 | 0 44 | 18 15 | | n.a. |
| W18 | 8 32 | 15 27 | 2 55 | 16 12 | 2 4 | 21 31 | 0 25 | 9 47 | 0 46 | 20 55 | 0 14 | 18 1 | 1 59 | 20 9 | 0 1 | 9 39 | 1 58 | 34 46 | 11 8 | 0 20 | 0 43 | 18 18 | | n.a. |
| T 19 | 8 9 | 9 46 | 1 53 | 15 40 | 2 3 | 21 25 | 0 20 | 10 5 | 0 47 | 20 56 | 0 14 | 17 59 | 1 59 | 20 9 | 0 1 | 9 38 | 1 58 | 34 46 | 11 8 | 0 19 | 0 41 | 18 21 | | n.a. |
| F 20 | 7 45 | 3 48 | 0 46 | 15 6 | 2 2 | 21 18 | 0 15 | 10 22 | 0 47 | 20 56 | 0 14 | 17 57 | 1 59 | 20 9 | 0 1 | 9 37 | 1 58 | 34 46 | 11 8 | 0 18 | 0 40 | 18 24 | | n.a. |
| S 21 | 7 22 | 2n12 | 0n21 | 14 31 | 2 0 | 21 10 | 0 10 | 10 40 | 0 48 | 20 57 | 0 14 | 17 55 | 1 59 | 20 9 | 0 1 | 9 36 | 1 58 | 34 47 | 11 9 | 0 18 | 0 39 | 18 27 | | n.a. |
| S 22 | 6 58 | 8 2 | 1 27 | 13 55 | 1 57 | 21 2 | 0 5 | 10 58 | 0 48 | 20 58 | 0 13 | 17 53 | 1 59 | 20 9 | 0 1 | 9 35 | 1 58 | 34 47 | 11 9 | 0 19 | 0 37 | 18 29 | | n.a. |
| M23 | 6 35 | 13 31 | 2 28 | 13 18 | 1 54 | 20 53 | 0 0 | 11 15 | 0 49 | 20 58 | 0 13 | 17 51 | 2 0 | 20 9 | 0 1 | 9 34 | 1 58 | 34 47 | 11 9 | 0 19 | 0 36 | 18 32 | | n.a. |
| T 24 | 6 11 | 18 28 | 3 23 | 12 39 | 1 51 | 20 43 | 0n 4 | 11 32 | 0 50 | 20 59 | 0 13 | 17 49 | 2 0 | 20 9 | 0 1 | 9 33 | 1 58 | 34 48 | 11 10 | 0 20 | 0 35 | 18 35 | | n.a. |
| W25 | 5 47 | 22 43 | 4 8 | 12 0 | 1 47 | 20 33 | 0 9 | 11 50 | 0 50 | 21 0 | 0 13 | 17 47 | 2 0 | 20 9 | 0 1 | 9 32 | 1 58 | 34 48 | 11 10 | 0 20 | 0 34 | 18 38 | | n.a. |
| T 26 | 5 23 | 26 3 | 4 43 | 11 20 | 1 43 | 20 22 | 0 14 | 12 7 | 0 51 | 21 0 | 0 13 | 17 45 | 2 0 | 20 9 | 0 1 | 9 32 | 1 58 | 34 48 | 11 11 | 0 21 | 0 32 | 18 41 | | n.a. |
| F 27 | 4 59 | 28 16 | 5 6 | 10 39 | 1 38 | 20 11 | 0 18 | 12 24 | 0 51 | 21 1 | 0 13 | 17 43 | 2 0 | 20 9 | 0 1 | 9 31 | 1 58 | 34 49 | 11 11 | 0 21 | 0 31 | 18 43 | | n.a. |
| S 28 | 4 35 | 29 11 | 5 16 | 9 57 | 1 33 | 19 59 | 0 23 | 12 41 | 0 52 | 21 1 | 0 13 | 17 42 | 2 0 | 20 9 | 0 1 | 9 30 | 1 58 | 34 49 | 11 11 | 0 21 | 0 30 | 18 46 | | n.a. |
| S 29 | 4 11 | 28 39 | 5 12 | 9 15 | 1 28 | 19 47 | 0 27 | 12 58 | 0 52 | 21 2 | 0 13 | 17 40 | 2 0 | 20 9 | 0 1 | 9 29 | 1 58 | 34 49 | 11 12 | 0 21 | 0 28 | 18 49 | | n.a. |
| M30 | 3n46 | 26n36 | 4n52 | 8n33 | 1n23 | 19n33 | 0n31 | 13s14 | 0s53 | 21n 2 | 0s13 | 17n38 | 2n 1 | 20n 9 | 0n 1 | 9n28 | 1n58 | 34n50 | 11n12 | 0n20 | 0n27 | 18n52 | | n.a. |

Julian Day Number = 992262.5, Delta T = 13h01m03s
Ecliptic obliquity = 23°55'35, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'46, Lahiri = -31°28'46 Julian Calendar 1 Sept. 1997 BCE == Greg. Calendar 15 Aug. 1997 BCE


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## OCTOBER 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 32 21 | 21♍40'16 | 6♌52 | 13♍26 | 7♌32 | 2♏47 | 3♊18 | 18♌11 | 28°R 2 | 10♍51 | 8♋29 | 0°R48 | 1♈ 4 | 11♉54 | n.a. | T 1 |
| W 2 | 23 36 17 | 22°41'02 | 20°29 | 15° 3 | 8°41 | 3°33 | 3°19 | 18°18 | 28♉ 2 | 10°54 | 8°30 | 0♈47 | 1° 1 | 12° 0 | n.a. | W 2 |
| T 3 | 23 40 14 | 23°41'51 | 4♍31 | 16°40 | 9°50 | 4°19 | 3°20 | 18°24 | 28° 1 | 10°56 | 8°31 | 0°46 | 0°57 | 12° 7 | n.a. | T 3 |
| F 4 | 23 44 10 | 24°42'40 | 18°54 | 18°17 | 10°59 | 5° 5 | 3°21 | 18°30 | 28° 0 | 10°58 | 8°31 | 0°46 | 0°54 | 12°14 | n.a. | F 4 |
| S 5 | 23 48 7 | 25°43'32 | 3♎33 | 19°53 | 12° 9 | 5°51 | 3°21 | 18°37 | 28° 0 | 11° 0 | 8°32 | 0°D46 | 0°51 | 12°20 | n.a. | S 5 |
| S 6 | 23 52 3 | 26°44'25 | 18°22 | 21°29 | 13°18 | 6°37 | 3°21 | 18°43 | 27°59 | 11° 2 | 8°33 | 0°46 | 0°48 | 12°27 | n.a. | S 6 |
| M 7 | 23 56 0 | 27°45'19 | 3♏12 | 23° 5 | 14°28 | 7°23 | 3°R21 | 18°49 | 27°58 | 11° 5 | 8°33 | 0°46 | 0°45 | 12°34 | n.a. | M 7 |
| T 8 | 23 59 56 | 28°46'14 | 17°57 | 24°41 | 15°38 | 8°10 | 3°21 | 18°55 | 27°57 | 11° 7 | 8°34 | 0°46 | 0°41 | 12°40 | n.a. | T 8 |
| W 9 | 0 3 53 | 29°47'11 | 2♐31 | 26°17 | 16°48 | 8°56 | 3°21 | 19° 1 | 27°56 | 11° 9 | 8°35 | 0°47 | 0°38 | 12°47 | n.a. | W 9 |
| T 10 | 0 7 50 | 0♎48'08 | 16°48 | 27°52 | 17°58 | 9°42 | 3°20 | 19° 7 | 27°55 | 11°11 | 8°35 | 0°R47 | 0°35 | 12°54 | n.a. | T 10 |
| F 11 | 0 11 46 | 1°49'07 | 0♑48 | 29°27 | 19° 9 | 10°29 | 3°20 | 19°13 | 27°54 | 11°13 | 8°36 | 0°D47 | 0°32 | 13° 0 | n.a. | F 11 |
| S 12 | 0 15 43 | 2°50'07 | 14°29 | 1♒ 2 | 20°19 | 11°15 | 3°19 | 19°19 | 27°53 | 11°15 | 8°36 | 0°47 | 0°29 | 13° 7 | n.a. | S 12 |
| S 13 | 0 19 39 | 3°51'07 | 27°51 | 2°37 | 21°30 | 12° 2 | 3°17 | 19°25 | 27°52 | 11°18 | 8°37 | 0°47 | 0°26 | 13°14 | n.a. | S 13 |
| M14 | 0 23 36 | 4°52'09 | 10♒56 | 4°12 | 22°40 | 12°48 | 3°16 | 19°31 | 27°50 | 11°20 | 8°37 | 0°47 | 0°22 | 13°20 | n.a. | M14 |
| T 15 | 0 27 32 | 5°53'11 | 23°46 | 5°47 | 23°51 | 13°35 | 3°15 | 19°36 | 27°49 | 11°22 | 8°37 | 0°48 | 0°19 | 13°27 | n.a. | T 15 |
| W16 | 0 31 29 | 6°54'14 | 6♓23 | 7°21 | 25° 2 | 14°21 | 3°13 | 19°42 | 27°48 | 11°24 | 8°38 | 0°48 | 0°16 | 13°34 | n.a. | W16 |
| T 17 | 0 35 25 | 7°55'18 | 18°47 | 8°56 | 26°14 | 15° 8 | 3°11 | 19°48 | 27°46 | 11°26 | 8°38 | 0°49 | 0°13 | 13°40 | n.a. | T 17 |
| F 18 | 0 39 22 | 8°56'24 | 1♈ 1 | 10°30 | 27°25 | 15°55 | 3° 9 | 19°53 | 27°45 | 11°28 | 8°38 | 0°R49 | 0°10 | 13°47 | n.a. | F 18 |
| S 19 | 0 43 19 | 9°57'30 | 13° 6 | 12° 4 | 28°36 | 16°41 | 3° 6 | 19°59 | 27°44 | 11°30 | 8°39 | 0°49 | 0° 7 | 13°54 | n.a. | S 19 |
| S 20 | 0 47 15 | 10°58'37 | 25° 5 | 13°39 | 29°48 | 17°28 | 3° 4 | 20° 4 | 27°42 | 11°32 | 8°39 | 0°48 | 0° 3 | 14° 0 | n.a. | S 20 |
| M21 | 0 51 12 | 11°59'45 | 6♉58 | 15°13 | 1♍ 0 | 18°15 | 3° 1 | 20°10 | 27°41 | 11°34 | 8°39 | 0°47 | 0° 0 | 14° 7 | n.a. | M21 |
| T 22 | 0 55 8 | 13° 0'54 | 18°48 | 16°47 | 2°11 | 19° 1 | 2°58 | 20°15 | 27°39 | 11°36 | 8°39 | 0°45 | 29♓57 | 14°14 | n.a. | T 22 |
| W23 | 0 59 5 | 14° 2'04 | 0♊38 | 18°22 | 3°23 | 19°48 | 2°55 | 20°20 | 27°37 | 11°38 | 8°39 | 0°43 | 29°54 | 14°21 | n.a. | W23 |
| T 24 | 1 3 1 | 15° 3'16 | 12°30 | 19°56 | 4°35 | 20°35 | 2°52 | 20°25 | 27°36 | 11°40 | 8°40 | 0°41 | 29°51 | 14°27 | n.a. | T 24 |
| F 25 | 1 6 58 | 16° 4'28 | 24°28 | 21°30 | 5°47 | 21°22 | 2°48 | 20°30 | 27°34 | 11°42 | 8°40 | 0°39 | 29°47 | 14°34 | n.a. | F 25 |
| S 26 | 1 10 54 | 17° 5'41 | 6♋37 | 23° 4 | 7° 0 | 22° 9 | 2°45 | 20°35 | 27°32 | 11°44 | 8°40 | 0°38 | 29°44 | 14°41 | n.a. | S 26 |
| S 27 | 1 14 51 | 18° 6'56 | 19° 0 | 24°39 | 8°12 | 22°55 | 2°41 | 20°40 | 27°30 | 11°46 | 8°R40 | 0°D37 | 29°41 | 14°47 | n.a. | S 27 |
| M28 | 1 18 48 | 19° 8'11 | 1♌42 | 26°13 | 9°24 | 23°42 | 2°37 | 20°45 | 27°28 | 11°48 | 8°40 | 0°38 | 29°38 | 14°54 | n.a. | M28 |
| T 29 | 1 22 44 | 20° 9'27 | 14°47 | 27°48 | 10°37 | 24°29 | 2°33 | 20°50 | 27°27 | 11°50 | 8°40 | 0°39 | 29°35 | 15° 1 | n.a. | T 29 |
| W30 | 1 26 41 | 21°10'45 | 28°19 | 29°22 | 11°49 | 25°16 | 2°28 | 20°55 | 27°25 | 11°51 | 8°40 | 0°40 | 29°32 | 15° 7 | n.a. | W30 |
| T 31 | 1 30 37 | 22♎12'02 | 12♍17 | 0♏57 | 13♍ 2 | 26♏ 3 | 2♊24 | 20♌59 | 27♉23 | 11♍53 | 8♋40 | 0♈42 | 29♓28 | 15♉14 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3n22 | 23n 4 | 4n16 | 7n50 | 1n17 | 19n20 | 0n35 | 13s31 | 0s53 | 21n 2 | 0s13 | 17n36 | 2n 1 | 20n 9 | 0n 1 | 9n27 | 1n58 | 34n50 | 11n13 | 0n20 | 0n26 | 18n55 | | n.a. |
| W 2 | 2 58 | 18 11 | 3 25 | 7 6 | 1 12 | 19 5 | 0 39 | 13 48 | 0 54 | 21 3 | 0 12 | 17 34 | 2 1 | 20 8 | 0 1 | 9 26 | 1 58 | 34 50 | 11 13 | 0 19 | 0 25 | 18 57 | | n.a. |
| T 3 | 2 33 | 12 13 | 2 21 | 6 22 | 1 6 | 18 50 | 0 43 | 14 4 | 0 55 | 21 3 | 0 12 | 17 32 | 2 1 | 20 8 | 0 1 | 9 26 | 1 58 | 34 51 | 11 13 | 0 19 | 0 23 | 19 0 | | n.a. |
| F 4 | 2 9 | 5 29 | 1 5 | 5 39 | 1 0 | 18 35 | 0 47 | 14 20 | 0 55 | 21 3 | 0 12 | 17 30 | 2 1 | 20 8 | 0 1 | 9 25 | 1 58 | 34 51 | 11 14 | 0 19 | 0 22 | 19 3 | | n.a. |
| S 5 | 1 44 | 1s41 | 0s16 | 4 54 | 0 54 | 18 19 | 0 51 | 14 37 | 0 56 | 21 3 | 0 12 | 17 28 | 2 1 | 20 8 | 0 1 | 9 24 | 1 58 | 34 51 | 11 14 | 0 19 | 0 21 | 19 6 | | n.a. |
| S 6 | 1 19 | 8 49 | 1 36 | 4 10 | 0 48 | 18 2 | 0 55 | 14 53 | 0 56 | 21 3 | 0 12 | 17 27 | 2 2 | 20 8 | 0 1 | 9 23 | 1 58 | 34 52 | 11 15 | 0 19 | 0 19 | 19 8 | | n.a. |
| M 7 | 0 55 | 15 30 | 2 51 | 3 26 | 0 41 | 17 45 | 0 58 | 15 9 | 0 57 | 21 4 | 0 12 | 17 25 | 2 2 | 20 8 | 0 1 | 9 22 | 1 58 | 34 52 | 11 15 | 0 19 | 0 18 | 19 11 | | n.a. |
| T 8 | 0 30 | 21 15 | 3 53 | 2 41 | 0 35 | 17 27 | 1 2 | 15 25 | 0 57 | 21 4 | 0 12 | 17 23 | 2 2 | 20 7 | 0 1 | 9 21 | 1 58 | 34 52 | 11 15 | 0 19 | 0 17 | 19 14 | | n.a. |
| W 9 | 0 5 | 25 39 | 4 40 | 1 57 | 0 29 | 17 9 | 1 5 | 15 40 | 0 57 | 21 4 | 0 12 | 17 21 | 2 2 | 20 7 | 0 1 | 9 21 | 1 58 | 34 53 | 11 16 | 0 19 | 0 16 | 19 16 | | n.a. |
| T 10 | 0s20 | 28 22 | 5 8 | 1 12 | 0 22 | 16 50 | 1 8 | 15 56 | 0 58 | 21 4 | 0 12 | 17 19 | 2 2 | 20 7 | 0 1 | 9 20 | 1 58 | 34 53 | 11 16 | 0 19 | 0 14 | 19 19 | | n.a. |
| F 11 | 0 44 | 29 13 | 5 17 | 0 28 | 0 16 | 16 31 | 1 11 | 16 11 | 0 58 | 21 4 | 0 12 | 17 18 | 2 2 | 20 7 | 0 1 | 9 19 | 1 58 | 34 53 | 11 17 | 0 19 | 0 13 | 19 22 | | n.a. |
| S 12 | 1 9 | 28 14 | 5 9 | 0s17 | 0 9 | 16 11 | 1 14 | 16 26 | 0 59 | 21 4 | 0 11 | 17 16 | 2 3 | 20 7 | 0 1 | 9 18 | 1 58 | 34 54 | 11 17 | 0 19 | 0 12 | 19 25 | | n.a. |
| S 13 | 1 34 | 25 38 | 4 43 | 1 1 | 0 3 | 15 51 | 1 17 | 16 42 | 0 59 | 21 3 | 0 11 | 17 14 | 2 3 | 20 6 | 0 1 | 9 17 | 1 58 | 34 54 | 11 17 | 0 19 | 0 10 | 19 27 | | n.a. |
| M14 | 1 58 | 21 43 | 4 3 | 1 46 | 0s 4 | 15 30 | 1 20 | 16 57 | 1 0 | 21 3 | 0 11 | 17 12 | 2 3 | 20 6 | 0 1 | 9 17 | 1 58 | 34 55 | 11 18 | 0 19 | 0 9 | 19 30 | | n.a. |
| T 15 | 2 23 | 16 52 | 3 11 | 2 30 | 0 10 | 15 9 | 1 23 | 17 11 | 1 0 | 21 3 | 0 11 | 17 11 | 2 3 | 20 6 | 0 1 | 9 16 | 1 58 | 34 55 | 11 18 | 0 19 | 0 8 | 19 33 | | n.a. |
| W16 | 2 48 | 11 23 | 2 12 | 3 14 | 0 17 | 14 47 | 1 26 | 17 26 | 1 1 | 21 3 | 0 11 | 17 9 | 2 3 | 20 5 | 0 1 | 9 15 | 1 58 | 34 55 | 11 19 | 0 20 | 0 7 | 19 35 | | n.a. |
| T 17 | 3 12 | 5 32 | 1 6 | 3 58 | 0 23 | 14 25 | 1 28 | 17 40 | 1 1 | 21 3 | 0 11 | 17 8 | 2 4 | 20 5 | 0 1 | 9 14 | 1 58 | 34 56 | 11 19 | 0 20 | 0 5 | 19 38 | | n.a. |
| F 18 | 3 37 | 0n26 | 0n 1 | 4 41 | 0 29 | 14 2 | 1 31 | 17 55 | 1 1 | 21 2 | 0 11 | 17 6 | 2 4 | 20 5 | 0 1 | 9 14 | 1 58 | 34 56 | 11 19 | 0 20 | 0 4 | 19 41 | | n.a. |
| S 19 | 4 1 | 6 19 | 1 8 | 5 25 | 0 35 | 13 39 | 1 33 | 18 9 | 1 2 | 21 2 | 0 11 | 17 4 | 2 4 | 20 4 | 0 1 | 9 13 | 1 58 | 34 56 | 11 20 | 0 20 | 0 3 | 19 43 | | n.a. |
| S 20 | 4 26 | 11 55 | 2 10 | 6 8 | 0 42 | 13 15 | 1 35 | 18 23 | 1 2 | 21 2 | 0 10 | 17 3 | 2 4 | 20 4 | 0 1 | 9 12 | 1 58 | 34 57 | 11 20 | 0 19 | 0 1 | 19 46 | | n.a. |
| M21 | 4 50 | 17 3 | 3 7 | 6 50 | 0 48 | 12 51 | 1 38 | 18 36 | 1 2 | 21 1 | 0 10 | 17 1 | 2 4 | 20 4 | 0 1 | 9 11 | 1 59 | 34 57 | 11 21 | 0 19 | 0 0 | 19 49 | | n.a. |
| T 22 | 5 14 | 21 32 | 3 55 | 7 33 | 0 54 | 12 27 | 1 40 | 18 50 | 1 3 | 21 1 | 0 10 | 17 0 | 2 5 | 20 3 | 0 1 | 9 11 | 1 59 | 34 58 | 11 21 | 0 18 | 0s 1 | 19 52 | | n.a. |
| W23 | 5 39 | 25 9 | 4 34 | 8 15 | 1 0 | 12 2 | 1 42 | 19 3 | 1 3 | 21 0 | 0 10 | 16 58 | 2 5 | 20 3 | 0 1 | 9 10 | 1 59 | 34 58 | 11 22 | 0 17 | 0 3 | 19 54 | | n.a. |
| T 24 | 6 3 | 27 43 | 5 0 | 8 57 | 1 5 | 11 37 | 1 43 | 19 17 | 1 4 | 21 0 | 0 10 | 16 57 | 2 5 | 20 3 | 0 1 | 9 9 | 1 59 | 34 58 | 11 22 | 0 16 | 0 4 | 19 57 | | n.a. |
| F 25 | 6 27 | 29 2 | 5 14 | 9 38 | 1 11 | 11 12 | 1 45 | 19 30 | 1 4 | 20 59 | 0 10 | 16 55 | 2 5 | 20 2 | 0 1 | 9 8 | 1 59 | 34 59 | 11 22 | 0 16 | 0 5 | 19 59 | | n.a. |
| S 26 | 6 51 | 28 59 | 5 14 | 10 19 | 1 16 | 10 46 | 1 47 | 19 42 | 1 4 | 20 58 | 0 10 | 16 54 | 2 5 | 20 2 | 0 1 | 9 8 | 1 59 | 34 59 | 11 23 | 0 15 | 0 6 | 20 2 | | n.a. |
| S 27 | 7 15 | 27 30 | 5 0 | 11 0 | 1 22 | 10 20 | 1 48 | 19 55 | 1 5 | 20 58 | 0 10 | 16 52 | 2 6 | 20 1 | 0 1 | 9 7 | 1 59 | 35 0 | 11 23 | 0 15 | 0 8 | 20 5 | | n.a. |
| M28 | 7 38 | 24 35 | 4 31 | 11 40 | 1 27 | 9 53 | 1 50 | 20 7 | 1 5 | 20 57 | 0 9 | 16 51 | 2 6 | 20 1 | 0 1 | 9 6 | 1 59 | 35 0 | 11 24 | 0 15 | 0 9 | 20 7 | | n.a. |
| T 29 | 8 2 | 20 20 | 3 47 | 12 19 | 1 32 | 9 27 | 1 51 | 20 20 | 1 5 | 20 56 | 0 9 | 16 50 | 2 6 | 20 1 | 0 1 | 9 6 | 1 59 | 35 1 | 11 24 | 0 16 | 0 10 | 20 10 | | n.a. |
| W30 | 8 26 | 14 56 | 2 49 | 12 58 | 1 36 | 9 0 | 1 52 | 20 32 | 1 5 | 20 56 | 0 9 | 16 48 | 2 6 | 20 0 | 0 1 | 9 5 | 1 59 | 35 1 | 11 24 | 0 16 | 0 12 | 20 13 | | n.a. |
| T 31 | 8s49 | 8n37 | 1n40 | 13s37 | 1s41 | 8n32 | 1n53 | 20s43 | 1s 6 | 20n55 | 0s 9 | 16n47 | 2n 6 | 20n 0 | 0n 1 | 9n 4 | 1n59 | 35n 1 | 11n25 | 0n17 | 0s13 | 20n15 | | n.a. |

Julian Day Number = 992292.5, Delta T = 13h01m01s
Ecliptic obliquity = 23°55'35, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'42, Lahiri = -31°28'42 Julian Calendar 1 Oct. 1997 BCE == Greg. Calendar 14 Sept. 1997 BCE

The year -1996 astronomical counting style corresponds to year 1997 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## NOVEMBER 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 34 34 | 23♎13'21 | 26♍42 | 2♏32 | 14♍15 | 26♏50 | 2°R19 | 21♌ 4 | 27°R21 | 11♍55 | 8°R39 | 0°R43 | 29♓25 | 15♉21 | n.a. | F 1 |
| S 2 | 1 38 30 | 24°14'40 | 11♎31 | 4° 6 | 15°27 | 27°37 | 2♊14 | 21° 8 | 27♉19 | 11°57 | 8♋39 | 0♈42 | 29°22 | 15°27 | n.a. | S 2 |
| S 3 | 1 42 27 | 25°16'00 | 26°36 | 5°41 | 16°40 | 28°24 | 2° 9 | 21°13 | 27°17 | 11°59 | 8°39 | 0°41 | 29°19 | 15°34 | n.a. | S 3 |
| M 4 | 1 46 24 | 26°17'20 | 11♏48 | 7°16 | 17°53 | 29°11 | 2° 4 | 21°17 | 27°14 | 12° 0 | 8°39 | 0°38 | 29°16 | 15°41 | n.a. | M 4 |
| T 5 | 1 50 20 | 27°18'40 | 26°57 | 8°50 | 19° 6 | 29°58 | 1°58 | 21°21 | 27°12 | 12° 2 | 8°39 | 0°34 | 29°13 | 15°47 | n.a. | T 5 |
| W 6 | 1 54 17 | 28°20'01 | 11♐55 | 10°25 | 20°19 | 0♐45 | 1°53 | 21°26 | 27°10 | 12° 4 | 8°38 | 0°30 | 29° 9 | 15°54 | n.a. | W 6 |
| T 7 | 1 58 13 | 29°21'22 | 26°32 | 11°59 | 21°33 | 1°33 | 1°47 | 21°30 | 27° 8 | 12° 5 | 8°38 | 0°26 | 29° 6 | 16° 1 | n.a. | T 7 |
| F 8 | 2 2 10 | 0♏22'42 | 10♑45 | 13°34 | 22°46 | 2°20 | 1°41 | 21°34 | 27° 6 | 12° 7 | 8°38 | 0°24 | 29° 3 | 16° 8 | n.a. | F 8 |
| S 9 | 2 6 6 | 1°24'03 | 24°31 | 15° 8 | 23°59 | 3° 7 | 1°35 | 21°38 | 27° 4 | 12° 9 | 8°37 | 0°22 | 29° 0 | 16°14 | n.a. | S 9 |
| S 10 | 2 10 3 | 2°25'23 | 7♒51 | 16°41 | 25°12 | 3°54 | 1°29 | 21°41 | 27° 1 | 12°10 | 8°37 | 0°D22 | 28°57 | 16°21 | n.a. | S 10 |
| M11 | 2 13 59 | 3°26'43 | 20°49 | 18°15 | 26°26 | 4°41 | 1°23 | 21°45 | 26°59 | 12°12 | 8°37 | 0°23 | 28°53 | 16°28 | n.a. | M11 |
| T 12 | 2 17 56 | 4°28'03 | 3♓26 | 19°47 | 27°39 | 5°28 | 1°16 | 21°49 | 26°57 | 12°13 | 8°36 | 0°25 | 28°50 | 16°34 | n.a. | T 12 |
| W13 | 2 21 53 | 5°29'23 | 15°48 | 21°19 | 28°52 | 6°15 | 1°10 | 21°52 | 26°54 | 12°15 | 8°36 | 0°27 | 28°47 | 16°41 | n.a. | W13 |
| T 14 | 2 25 49 | 6°30'42 | 27°58 | 22°50 | 0♎ 6 | 7° 2 | 1° 3 | 21°56 | 26°52 | 12°17 | 8°35 | 0°R27 | 28°44 | 16°48 | n.a. | T 14 |
| F 15 | 2 29 46 | 7°32'01 | 10♈ 0 | 24°19 | 1°20 | 7°50 | 0°56 | 21°59 | 26°49 | 12°18 | 8°34 | 0°27 | 28°41 | 16°54 | n.a. | F 15 |
| S 16 | 2 33 42 | 8°33'20 | 21°55 | 25°48 | 2°33 | 8°37 | 0°49 | 22° 3 | 26°47 | 12°19 | 8°34 | 0°25 | 28°38 | 17° 1 | n.a. | S 16 |
| S 17 | 2 37 39 | 9°34'39 | 3♉47 | 27°14 | 3°47 | 9°24 | 0°42 | 22° 6 | 26°45 | 12°21 | 8°33 | 0°20 | 28°34 | 17° 8 | n.a. | S 17 |
| M18 | 2 41 35 | 10°35'57 | 15°38 | 28°38 | 5° 0 | 10°11 | 0°35 | 22° 9 | 26°42 | 12°22 | 8°33 | 0°14 | 28°31 | 17°14 | n.a. | M18 |
| T 19 | 2 45 32 | 11°37'16 | 27°29 | 0♐ 0 | 6°14 | 10°58 | 0°28 | 22°12 | 26°40 | 12°24 | 8°32 | 0° 6 | 28°28 | 17°21 | n.a. | T 19 |
| W20 | 2 49 29 | 12°38'34 | 9♊21 | 1°19 | 7°28 | 11°45 | 0°21 | 22°15 | 26°37 | 12°25 | 8°31 | 29♓58 | 28°25 | 17°28 | n.a. | W20 |
| T 21 | 2 53 25 | 13°39'52 | 21°18 | 2°35 | 8°42 | 12°33 | 0°13 | 22°18 | 26°35 | 12°26 | 8°31 | 29°49 | 28°22 | 17°34 | n.a. | T 21 |
| F 22 | 2 57 22 | 14°41'10 | 3♋20 | 3°46 | 9°56 | 13°20 | 0° 6 | 22°20 | 26°32 | 12°28 | 8°30 | 29°41 | 28°19 | 17°41 | n.a. | F 22 |
| S 23 | 3 1 18 | 15°42'27 | 15°30 | 4°52 | 11° 9 | 14° 7 | 29♉58 | 22°23 | 26°30 | 12°29 | 8°29 | 29°35 | 28°15 | 17°48 | n.a. | S 23 |
| S 24 | 3 5 15 | 16°43'45 | 27°52 | 5°53 | 12°23 | 14°54 | 29°51 | 22°26 | 26°27 | 12°30 | 8°28 | 29°31 | 28°12 | 17°55 | n.a. | S 24 |
| M25 | 3 9 11 | 17°45'02 | 10♌30 | 6°48 | 13°37 | 15°41 | 29°43 | 22°28 | 26°24 | 12°31 | 8°27 | 29°29 | 28° 9 | 18° 1 | n.a. | M25 |
| T 26 | 3 13 8 | 18°46'19 | 23°27 | 7°35 | 14°51 | 16°28 | 29°35 | 22°30 | 26°22 | 12°32 | 8°27 | 29°D29 | 28° 6 | 18° 8 | n.a. | T 26 |
| W27 | 3 17 5 | 19°47'35 | 6♍47 | 8°14 | 16° 5 | 17°16 | 29°27 | 22°33 | 26°19 | 12°34 | 8°26 | 29°29 | 28° 3 | 18°15 | n.a. | W27 |
| T 28 | 3 21 1 | 20°48'52 | 20°33 | 8°45 | 17°19 | 18° 3 | 29°19 | 22°35 | 26°17 | 12°35 | 8°25 | 29°31 | 27°59 | 18°21 | n.a. | T 28 |
| F 29 | 3 24 58 | 21°50'08 | 4♎46 | 9° 5 | 18°33 | 18°50 | 29°12 | 22°37 | 26°14 | 12°36 | 8°24 | 29°R31 | 27°56 | 18°28 | n.a. | F 29 |
| S 30 | 3 28 54 | 22♏51'23 | 19♎26 | 9°R15 | 19♎47 | 19♐37 | 29♉ 4 | 22♌39 | 26♉11 | 12♍37 | 8♋23 | 29♓29 | 27♓53 | 18♉35 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 9s12 | 1n40 | 0n22 | 14s14 | 1s45 | 8n 5 | 1n55 | 20s55 | 1s 6 | 20n54 | 0s 9 | 16n46 | 2n 7 | 19n59 | 0n 1 | 9n 3 | 1n59 | 35n 2 | 11n25 | 0n17 | 0s14 | 20n18 | | n.a. |
| S 2 | 9 35 | 5s33 | 0s59 | 14 51 | 1 49 | 7 37 | 1 55 | 21 6 | 1 6 | 20 53 | 0 9 | 16 44 | 2 7 | 19 59 | 0 1 | 9 3 | 1 59 | 35 2 | 11 26 | 0 17 | 0 15 | 20 21 | | n.a. |
| S 3 | 9 58 | 12 35 | 2 18 | 15 27 | 1 53 | 7 9 | 1 56 | 21 17 | 1 7 | 20 52 | 0 9 | 16 43 | 2 7 | 19 58 | 0 1 | 9 2 | 1 59 | 35 3 | 11 26 | 0 17 | 0 17 | 20 23 | | n.a. |
| M 4 | 10 21 | 18 57 | 3 27 | 16 3 | 1 56 | 6 40 | 1 57 | 21 28 | 1 7 | 20 51 | 0 9 | 16 42 | 2 7 | 19 58 | 0 1 | 9 2 | 1 59 | 35 3 | 11 26 | 0 15 | 0 18 | 20 26 | | n.a. |
| T 5 | 10 43 | 24 6 | 4 21 | 16 37 | 2 0 | 6 12 | 1 58 | 21 39 | 1 7 | 20 50 | 0 8 | 16 41 | 2 8 | 19 57 | 0 1 | 9 1 | 1 59 | 35 3 | 11 27 | 0 14 | 0 19 | 20 28 | | n.a. |
| W 6 | 11 6 | 27 35 | 4 57 | 17 11 | 2 2 | 5 43 | 1 58 | 21 49 | 1 7 | 20 49 | 0 8 | 16 40 | 2 8 | 19 57 | 0 1 | 9 0 | 1 59 | 35 4 | 11 27 | 0 12 | 0 21 | 20 31 | | n.a. |
| T 7 | 11 28 | 29 5 | 5 13 | 17 43 | 2 5 | 5 14 | 1 59 | 21 59 | 1 8 | 20 48 | 0 8 | 16 39 | 2 8 | 19 56 | 0 1 | 9 0 | 1 59 | 35 4 | 11 28 | 0 11 | 0 22 | 20 33 | | n.a. |
| F 8 | 11 50 | 28 36 | 5 8 | 18 14 | 2 7 | 4 45 | 1 59 | 22 9 | 1 8 | 20 47 | 0 8 | 16 37 | 2 8 | 19 56 | 0 1 | 8 59 | 1 59 | 35 5 | 11 28 | 0 10 | 0 23 | 20 36 | | n.a. |
| S 9 | 12 12 | 26 20 | 4 46 | 18 45 | 2 8 | 4 15 | 1 59 | 22 19 | 1 8 | 20 46 | 0 8 | 16 36 | 2 9 | 19 55 | 0 1 | 8 59 | 1 59 | 35 5 | 11 28 | 0 9 | 0 24 | 20 39 | | n.a. |
| S 10 | 12 34 | 22 40 | 4 9 | 19 14 | 2 10 | 3 46 | 1 59 | 22 28 | 1 8 | 20 45 | 0 8 | 16 35 | 2 9 | 19 55 | 0 1 | 8 58 | 1 59 | 35 6 | 11 29 | 0 9 | 0 26 | 20 41 | | n.a. |
| M11 | 12 55 | 18 0 | 3 20 | 19 41 | 2 10 | 3 16 | 1 59 | 22 38 | 1 8 | 20 44 | 0 8 | 16 34 | 2 9 | 19 54 | 0 2 | 8 57 | 1 59 | 35 6 | 11 29 | 0 9 | 0 27 | 20 44 | | n.a. |
| T 12 | 13 16 | 12 39 | 2 22 | 20 8 | 2 10 | 2 46 | 1 59 | 22 47 | 1 9 | 20 43 | 0 7 | 16 33 | 2 9 | 19 54 | 0 2 | 8 57 | 2 0 | 35 6 | 11 30 | 0 10 | 0 28 | 20 46 | | n.a. |
| W13 | 13 37 | 6 55 | 1 19 | 20 33 | 2 10 | 2 16 | 1 59 | 22 55 | 1 9 | 20 42 | 0 7 | 16 32 | 2 10 | 19 53 | 0 2 | 8 56 | 2 0 | 35 7 | 11 30 | 0 11 | 0 30 | 20 49 | | n.a. |
| T 14 | 13 58 | 1 2 | 0 14 | 20 56 | 2 9 | 1 46 | 1 59 | 23 4 | 1 9 | 20 40 | 0 7 | 16 31 | 2 10 | 19 53 | 0 2 | 8 56 | 2 0 | 35 7 | 11 30 | 0 11 | 0 31 | 20 51 | | n.a. |
| F 15 | 14 18 | 4n50 | 0n52 | 21 17 | 2 7 | 1 16 | 1 59 | 23 12 | 1 9 | 20 39 | 0 7 | 16 31 | 2 10 | 19 52 | 0 2 | 8 55 | 2 0 | 35 8 | 11 31 | 0 11 | 0 32 | 20 54 | | n.a. |
| S 16 | 14 38 | 10 28 | 1 54 | 21 37 | 2 5 | 0 46 | 1 58 | 23 20 | 1 9 | 20 38 | 0 7 | 16 30 | 2 10 | 19 52 | 0 2 | 8 55 | 2 0 | 35 8 | 11 31 | 0 10 | 0 33 | 20 57 | | n.a. |
| S 17 | 14 58 | 15 43 | 2 51 | 21 55 | 2 2 | 0 16 | 1 58 | 23 27 | 1 9 | 20 36 | 0 7 | 16 29 | 2 11 | 19 51 | 0 2 | 8 54 | 2 0 | 35 9 | 11 32 | 0 8 | 0 35 | 20 59 | | n.a. |
| M18 | 15 18 | 20 22 | 3 40 | 22 10 | 1 58 | 0s14 | 1 57 | 23 35 | 1 10 | 20 35 | 0 7 | 16 28 | 2 11 | 19 50 | 0 2 | 8 54 | 2 0 | 35 9 | 11 32 | 0 6 | 0 36 | 21 2 | | n.a. |
| T 19 | 15 38 | 24 13 | 4 20 | 22 24 | 1 53 | 0 45 | 1 57 | 23 42 | 1 10 | 20 34 | 0 6 | 16 27 | 2 11 | 19 50 | 0 2 | 8 53 | 2 0 | 35 9 | 11 32 | 0 2 | 0 37 | 21 4 | | n.a. |
| W20 | 15 57 | 27 3 | 4 49 | 22 35 | 1 47 | 1 15 | 1 56 | 23 48 | 1 10 | 20 32 | 0 6 | 16 27 | 2 11 | 19 49 | 0 2 | 8 53 | 2 0 | 35 10 | 11 33 | 0s 1 | 0 39 | 21 7 | | n.a. |
| T 21 | 16 16 | 28 42 | 5 5 | 22 44 | 1 41 | 1 46 | 1 55 | 23 55 | 1 10 | 20 31 | 0 6 | 16 26 | 2 12 | 19 49 | 0 2 | 8 52 | 2 0 | 35 10 | 11 33 | 0 4 | 0 40 | 21 9 | | n.a. |
| F 22 | 16 34 | 29 0 | 5 7 | 22 51 | 1 33 | 2 16 | 1 54 | 24 1 | 1 10 | 20 29 | 0 6 | 16 25 | 2 12 | 19 48 | 0 2 | 8 52 | 2 0 | 35 11 | 11 33 | 0 8 | 0 41 | 21 12 | | n.a. |
| S 23 | 16 52 | 27 54 | 4 56 | 22 55 | 1 24 | 2 46 | 1 53 | 24 7 | 1 10 | 20 28 | 0 6 | 16 25 | 2 12 | 19 47 | 0 2 | 8 51 | 2 0 | 35 11 | 11 34 | 0 10 | 0 42 | 21 14 | | n.a. |
| S 24 | 17 10 | 25 26 | 4 31 | 22 56 | 1 14 | 3 17 | 1 52 | 24 13 | 1 10 | 20 26 | 0 6 | 16 24 | 2 13 | 19 47 | 0 2 | 8 51 | 2 0 | 35 11 | 11 34 | 0 12 | 0 44 | 21 17 | | n.a. |
| M25 | 17 28 | 21 41 | 3 53 | 22 55 | 1 3 | 3 47 | 1 51 | 24 18 | 1 10 | 20 25 | 0 5 | 16 23 | 2 13 | 19 46 | 0 2 | 8 51 | 2 0 | 35 12 | 11 34 | 0 13 | 0 45 | 21 19 | | n.a. |
| T 26 | 17 46 | 16 50 | 3 2 | 22 51 | 0 50 | 4 17 | 1 50 | 24 23 | 1 10 | 20 23 | 0 5 | 16 23 | 2 13 | 19 46 | 0 2 | 8 50 | 2 0 | 35 12 | 11 35 | 0 13 | 0 46 | 21 22 | | n.a. |
| W27 | 18 3 | 11 2 | 1 59 | 22 44 | 0 37 | 4 47 | 1 48 | 24 28 | 1 11 | 20 22 | 0 5 | 16 22 | 2 13 | 19 45 | 0 2 | 8 50 | 2 0 | 35 13 | 11 35 | 0 12 | 0 48 | 21 24 | | n.a. |
| T 28 | 18 19 | 4 33 | 0 48 | 22 34 | 0 22 | 5 17 | 1 47 | 24 33 | 1 11 | 20 20 | 0 5 | 16 22 | 2 14 | 19 44 | 0 2 | 8 49 | 2 1 | 35 13 | 11 36 | 0 12 | 0 49 | 21 27 | | n.a. |
| F 29 | 18 36 | 2s22 | 0s28 | 22 21 | 0 6 | 5 47 | 1 46 | 24 37 | 1 11 | 20 18 | 0 5 | 16 22 | 2 14 | 19 44 | 0 2 | 8 49 | 2 1 | 35 13 | 11 36 | 0 12 | 0 50 | 21 29 | | n.a. |
| S 30 | 18s52 | 9s22 | 1s45 | 22s 6 | 0n11 | 6s17 | 1n44 | 24s41 | 1s11 | 20n17 | 0s 5 | 16n21 | 2n14 | 19n43 | 0n 2 | 8n49 | 2n 1 | 35n14 | 11n36 | 0s13 | 0s51 | 21n32 | | n.a. |

Julian Day Number = 992323.5, Delta T = 13h00m59s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'38, Lahiri = -31°28'38 Julian Calendar 1 Nov. 1997 BCE == Greg. Calendar 15 Oct. 1997 BCE


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# ASTRODIENST EPHEMERIS for the year 1997 BCE
# geocentric

## DECEMBER 1997 BCE (-1996) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 32 51 | 23♏52'38 | 4♏27 | 9°R13 | 21♎ 1 | 20♐24 | 28°R56 | 22♑41 | 26°R 9 | 12♍38 | 8°R22 | 29°R25 | 27♓50 | 18♉41 | n.a. | S 1 |
| M 2 | 3 36 47 | 24°53'52 | 19°43 | 9♐ 0 | 22°15 | 21°11 | 28♉48 | 22°42 | 26♉ 6 | 12°39 | 8♋21 | 29♓18 | 27°47 | 18°48 | n.a. | M 2 |
| T 3 | 3 40 44 | 25°55'06 | 5♐ 3 | 8°36 | 23°30 | 21°58 | 28°40 | 22°44 | 26° 4 | 12°40 | 8°20 | 29°10 | 27°44 | 18°55 | n.a. | T 3 |
| W 4 | 3 44 40 | 26°56'19 | 20°14 | 7°59 | 24°44 | 22°45 | 28°31 | 22°46 | 26° 1 | 12°41 | 8°19 | 29° 0 | 27°40 | 19° 1 | n.a. | W 4 |
| T 5 | 3 48 37 | 27°57'31 | 5♑ 8 | 7°12 | 25°58 | 23°33 | 28°23 | 22°47 | 25°58 | 12°42 | 8°18 | 28°51 | 27°37 | 19° 8 | n.a. | T 5 |
| F 6 | 3 52 34 | 28°58'42 | 19°36 | 6°16 | 27°12 | 24°20 | 28°15 | 22°48 | 25°56 | 12°42 | 8°17 | 28°44 | 27°34 | 19°15 | n.a. | F 6 |
| S 7 | 3 56 30 | 29°59'51 | 3♒34 | 5°11 | 28°26 | 25° 7 | 28° 7 | 22°50 | 25°53 | 12°43 | 8°16 | 28°38 | 27°31 | 19°22 | n.a. | S 7 |
| S 8 | 4 0 27 | 1♐ 0'59 | 17° 3 | 4° 0 | 29°40 | 25°54 | 27°59 | 22°51 | 25°51 | 12°44 | 8°15 | 28°35 | 27°28 | 19°28 | n.a. | S 8 |
| M 9 | 4 4 23 | 2° 2'06 | 0♓ 3 | 2°46 | 0♏54 | 26°41 | 27°51 | 22°52 | 25°48 | 12°45 | 8°13 | 28°D34 | 27°25 | 19°35 | n.a. | M 9 |
| T 10 | 4 8 20 | 3° 3'11 | 12°39 | 1°29 | 2° 9 | 27°28 | 27°43 | 22°53 | 25°45 | 12°46 | 8°12 | 28°34 | 27°21 | 19°42 | n.a. | T 10 |
| W11 | 4 12 16 | 4° 4'15 | 24°57 | 0°13 | 3°23 | 28°15 | 27°35 | 22°53 | 25°43 | 12°46 | 8°11 | 28°R35 | 27°18 | 19°48 | n.a. | W11 |
| T 12 | 4 16 13 | 5° 5'18 | 7♈ 1 | 29♏ 1 | 4°37 | 29° 2 | 27°27 | 22°54 | 25°40 | 12°47 | 8°10 | 28°35 | 27°15 | 19°55 | n.a. | T 12 |
| F 13 | 4 20 10 | 6° 6'19 | 18°56 | 27°52 | 5°51 | 29°49 | 27°19 | 22°55 | 25°38 | 12°48 | 8° 9 | 28°32 | 27°12 | 20° 2 | n.a. | F 13 |
| S 14 | 4 24 6 | 7° 7'19 | 0♉46 | 26°50 | 7° 5 | 0♑36 | 27°11 | 22°55 | 25°35 | 12°48 | 8° 7 | 28°28 | 27° 9 | 20° 8 | n.a. | S 14 |
| S 15 | 4 28 3 | 8° 8'18 | 12°35 | 25°55 | 8°20 | 1°23 | 27° 4 | 22°56 | 25°33 | 12°49 | 8° 6 | 28°20 | 27° 5 | 20°15 | n.a. | S 15 |
| M16 | 4 31 59 | 9° 9'15 | 24°25 | 25° 9 | 9°34 | 2°10 | 26°56 | 22°56 | 25°30 | 12°49 | 8° 5 | 28°10 | 27° 2 | 20°22 | n.a. | M16 |
| T 17 | 4 35 56 | 10°10'11 | 6♊19 | 24°31 | 10°48 | 2°57 | 26°48 | 22°56 | 25°27 | 12°50 | 8° 4 | 27°57 | 26°59 | 20°29 | n.a. | T 17 |
| W18 | 4 39 52 | 11°11'05 | 18°18 | 24° 1 | 12° 2 | 3°43 | 26°41 | 22°R56 | 25°25 | 12°50 | 8° 2 | 27°43 | 26°56 | 20°35 | n.a. | W18 |
| T 19 | 4 43 49 | 12°11'58 | 0♋22 | 23°40 | 13°17 | 4°30 | 26°33 | 22°56 | 25°22 | 12°51 | 8° 1 | 27°29 | 26°53 | 20°42 | n.a. | T 19 |
| F 20 | 4 47 46 | 13°12'50 | 12°34 | 23°28 | 14°31 | 5°17 | 26°26 | 22°56 | 25°20 | 12°51 | 8° 0 | 27°16 | 26°50 | 20°49 | n.a. | F 20 |
| S 21 | 4 51 42 | 14°13'40 | 24°54 | 23°D23 | 15°45 | 6° 4 | 26°18 | 22°56 | 25°18 | 12°51 | 7°58 | 27° 5 | 26°46 | 20°55 | n.a. | S 21 |
| S 22 | 4 55 39 | 15°14'30 | 7♌23 | 23°26 | 16°59 | 6°51 | 26°11 | 22°55 | 25°15 | 12°52 | 7°57 | 26°57 | 26°43 | 21° 2 | n.a. | S 22 |
| M23 | 4 59 35 | 16°15'17 | 20° 5 | 23°36 | 18°13 | 7°37 | 26° 4 | 22°55 | 25°13 | 12°52 | 7°56 | 26°52 | 26°40 | 21° 9 | n.a. | M23 |
| T 24 | 5 3 32 | 17°16'04 | 3♍ 2 | 23°53 | 19°28 | 8°24 | 25°57 | 22°54 | 25°10 | 12°52 | 7°54 | 26°49 | 26°37 | 21°15 | n.a. | T 24 |
| W25 | 5 7 28 | 18°16'49 | 16°16 | 24°16 | 20°42 | 9°11 | 25°50 | 22°54 | 25° 8 | 12°52 | 7°53 | 26°D49 | 26°34 | 21°22 | n.a. | W25 |
| T 26 | 5 11 25 | 19°17'33 | 29°52 | 24°44 | 21°56 | 9°57 | 25°43 | 22°53 | 25° 6 | 12°53 | 7°51 | 26°R49 | 26°30 | 21°29 | n.a. | T 26 |
| F 27 | 5 15 21 | 20°18'16 | 13♎51 | 25°18 | 23°10 | 10°44 | 25°36 | 22°52 | 25° 3 | 12°53 | 7°50 | 26°48 | 26°27 | 21°36 | n.a. | F 27 |
| S 28 | 5 19 18 | 21°18'57 | 28°13 | 25°56 | 24°25 | 11°31 | 25°29 | 22°51 | 25° 1 | 12°53 | 7°49 | 26°45 | 26°24 | 21°42 | n.a. | S 28 |
| S 29 | 5 23 15 | 22°19'37 | 12♏57 | 26°39 | 25°39 | 12°17 | 25°23 | 22°50 | 24°59 | 12°53 | 7°47 | 26°40 | 26°21 | 21°49 | n.a. | S 29 |
| M30 | 5 27 11 | 23°20'16 | 27°57 | 27°25 | 26°53 | 13° 4 | 25°17 | 22°49 | 24°57 | 12°53 | 7°46 | 26°32 | 26°18 | 21°56 | n.a. | M30 |
| T 31 | 5 31 8 | 24♐20'53 | 13♐ 6 | 28♏15 | 28♏ 7 | 13♑50 | 25♉10 | 22♑48 | 24♉54 | 12°R53 | 7♋44 | 26♓21 | 26♓15 | 22♉ 2 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| S 1 | 19s 7 | 16s 1 | 2s56 | 21s48 | 0n30 | 6s47 | 1n43 | 24s45 | 1s11 | 20n15 | 0s 5 | 16n21 | 2n14 | 19n43 | 0n 2 | 8n48 | 2n 1 | 35n14 | 11n37 | 0s14 | 0s53 | 21n34 | | | n.a. |
| M 2 | 19 23 | 21 48 | 3 56 | 21 27 | 0 48 | 7 17 | 1 41 | 24 48 | 1 11 | 20 14 | 0 4 | 16 20 | 2 15 | 19 42 | 0 2 | 8 48 | 2 1 | 35 15 | 11 37 | 0 17 | 0 54 | 21 36 | | | n.a. |
| T 3 | 19 38 | 26 8 | 4 38 | 21 4 | 1 8 | 7 46 | 1 39 | 24 51 | 1 11 | 20 12 | 0 4 | 16 20 | 2 15 | 19 41 | 0 2 | 8 48 | 2 1 | 35 15 | 11 37 | 0 20 | 0 55 | 21 39 | | | n.a. |
| W 4 | 19 52 | 28 34 | 5 1 | 20 39 | 1 27 | 8 15 | 1 38 | 24 54 | 1 11 | 20 10 | 0 4 | 16 20 | 2 15 | 19 41 | 0 2 | 8 47 | 2 1 | 35 15 | 11 37 | 0 24 | 0 57 | 21 41 | | | n.a. |
| T 5 | 20 6 | 28 52 | 5 3 | 20 12 | 1 47 | 8 45 | 1 36 | 24 57 | 1 11 | 20 9 | 0 4 | 16 20 | 2 16 | 19 40 | 0 2 | 8 47 | 2 1 | 35 16 | 11 38 | 0 28 | 0 58 | 21 44 | | | n.a. |
| F 6 | 20 20 | 27 9 | 4 45 | 19 44 | 2 5 | 9 14 | 1 34 | 24 59 | 1 11 | 20 7 | 0 4 | 16 20 | 2 16 | 19 40 | 0 2 | 8 47 | 2 1 | 35 16 | 11 38 | 0 31 | 0 59 | 21 46 | | | n.a. |
| S 7 | 20 34 | 23 48 | 4 10 | 19 15 | 2 23 | 9 42 | 1 32 | 25 1 | 1 11 | 20 5 | 0 4 | 16 19 | 2 16 | 19 39 | 0 2 | 8 47 | 2 1 | 35 17 | 11 38 | 0 33 | 1 0 | 21 49 | | | n.a. |
| S 8 | 20 47 | 19 15 | 3 23 | 18 46 | 2 40 | 10 11 | 1 30 | 25 3 | 1 11 | 20 4 | 0 3 | 16 19 | 2 16 | 19 38 | 0 2 | 8 46 | 2 1 | 35 17 | 11 39 | 0 34 | 1 2 | 21 51 | | | n.a. |
| M 9 | 20 59 | 13 57 | 2 26 | 18 17 | 2 54 | 10 39 | 1 28 | 25 4 | 1 11 | 20 2 | 0 3 | 16 19 | 2 17 | 19 38 | 0 2 | 8 46 | 2 1 | 35 17 | 11 39 | 0 35 | 1 3 | 21 53 | | | n.a. |
| T 10 | 21 12 | 8 14 | 1 24 | 17 50 | 3 7 | 11 7 | 1 26 | 25 5 | 1 11 | 20 0 | 0 3 | 16 19 | 2 17 | 19 37 | 0 2 | 8 46 | 2 1 | 35 18 | 11 39 | 0 35 | 1 4 | 21 56 | | | n.a. |
| W11 | 21 23 | 2 20 | 0 19 | 17 24 | 3 17 | 11 35 | 1 24 | 25 6 | 1 11 | 19 58 | 0 3 | 16 19 | 2 17 | 19 36 | 0 2 | 8 46 | 2 1 | 35 18 | 11 40 | 0 34 | 1 6 | 21 58 | | | n.a. |
| T 12 | 21 35 | 3n31 | 0n45 | 17 1 | 3 25 | 12 2 | 1 22 | 25 6 | 1 11 | 19 57 | 0 3 | 16 19 | 2 18 | 19 36 | 0 2 | 8 46 | 2 2 | 35 18 | 11 40 | 0 35 | 1 7 | 22 1 | | | n.a. |
| F 13 | 21 46 | 9 11 | 1 46 | 16 40 | 3 31 | 12 30 | 1 20 | 25 6 | 1 11 | 19 55 | 0 3 | 16 19 | 2 18 | 19 35 | 0 2 | 8 45 | 2 2 | 35 19 | 11 40 | 0 35 | 1 8 | 22 3 | | | n.a. |
| S 14 | 21 56 | 14 30 | 2 42 | 16 23 | 3 34 | 12 57 | 1 17 | 25 6 | 1 11 | 19 53 | 0 2 | 16 19 | 2 18 | 19 35 | 0 2 | 8 45 | 2 2 | 35 19 | 11 40 | 0 37 | 1 9 | 22 5 | | | n.a. |
| S 15 | 22 7 | 19 16 | 3 31 | 16 9 | 3 35 | 13 23 | 1 15 | 25 6 | 1 11 | 19 52 | 0 2 | 16 19 | 2 18 | 19 34 | 0 2 | 8 45 | 2 2 | 35 19 | 11 41 | 0 41 | 1 11 | 22 8 | | | n.a. |
| M16 | 22 16 | 23 18 | 4 11 | 15 59 | 3 34 | 13 49 | 1 13 | 25 5 | 1 11 | 19 50 | 0 2 | 16 20 | 2 19 | 19 33 | 0 2 | 8 45 | 2 2 | 35 20 | 11 41 | 0 45 | 1 12 | 22 10 | | | n.a. |
| T 17 | 22 26 | 26 23 | 4 40 | 15 52 | 3 31 | 14 15 | 1 10 | 25 4 | 1 10 | 19 48 | 0 2 | 16 20 | 2 19 | 19 33 | 0 2 | 8 45 | 2 2 | 35 20 | 11 41 | 0 50 | 1 13 | 22 13 | | | n.a. |
| W18 | 22 34 | 28 19 | 4 56 | 15 49 | 3 27 | 14 41 | 1 8 | 25 3 | 1 10 | 19 47 | 0 2 | 16 20 | 2 19 | 19 32 | 0 2 | 8 45 | 2 2 | 35 20 | 11 41 | 0 56 | 1 15 | 22 15 | | | n.a. |
| T 19 | 22 43 | 28 55 | 5 0 | 15 49 | 3 22 | 15 6 | 1 5 | 25 1 | 1 10 | 19 45 | 0 2 | 16 20 | 2 20 | 19 32 | 0 2 | 8 45 | 2 2 | 35 21 | 11 42 | 1 1 | 1 16 | 22 17 | | | n.a. |
| F 20 | 22 51 | 28 8 | 4 50 | 15 52 | 3 15 | 15 31 | 1 3 | 24 59 | 1 10 | 19 44 | 0 1 | 16 21 | 2 20 | 19 31 | 0 2 | 8 45 | 2 2 | 35 21 | 11 42 | 1 6 | 1 17 | 22 20 | | | n.a. |
| S 21 | 22 58 | 25 57 | 4 26 | 15 58 | 3 8 | 15 55 | 1 1 | 24 57 | 1 10 | 19 42 | 0 1 | 16 21 | 2 20 | 19 30 | 0 2 | 8 44 | 2 2 | 35 21 | 11 42 | 1 11 | 1 18 | 22 22 | | | n.a. |
| S 22 | 23 5 | 22 29 | 3 50 | 16 7 | 2 59 | 16 20 | 0 58 | 24 55 | 1 10 | 19 40 | 0 1 | 16 21 | 2 20 | 19 30 | 0 2 | 8 44 | 2 2 | 35 22 | 11 42 | 1 14 | 1 20 | 22 24 | | | n.a. |
| M23 | 23 12 | 17 56 | 3 1 | 16 18 | 2 50 | 16 43 | 0 55 | 24 52 | 1 10 | 19 39 | 0 1 | 16 22 | 2 21 | 19 29 | 0 2 | 8 44 | 2 2 | 35 22 | 11 43 | 1 16 | 1 21 | 22 27 | | | n.a. |
| T 24 | 23 18 | 12 29 | 2 2 | 16 32 | 2 41 | 17 6 | 0 53 | 24 49 | 1 10 | 19 37 | 0 1 | 16 22 | 2 21 | 19 29 | 0 2 | 8 44 | 2 2 | 35 22 | 11 43 | 1 17 | 1 22 | 22 29 | | | n.a. |
| W25 | 23 24 | 6 22 | 0 55 | 16 47 | 2 31 | 17 29 | 0 50 | 24 45 | 1 10 | 19 36 | 0 1 | 16 23 | 2 21 | 19 28 | 0 2 | 8 44 | 2 2 | 35 23 | 11 43 | 1 18 | 1 24 | 22 31 | | | n.a. |
| T 26 | 23 29 | 0s12 | 0s16 | 17 3 | 2 21 | 17 51 | 0 48 | 24 42 | 1 9 | 19 34 | 0 1 | 16 23 | 2 22 | 19 28 | 0 2 | 8 44 | 2 3 | 35 23 | 11 43 | 1 18 | 1 25 | 22 34 | | | n.a. |
| F 27 | 23 34 | 6 56 | 1 29 | 17 21 | 2 11 | 18 13 | 0 45 | 24 38 | 1 9 | 19 33 | 0 0 | 16 24 | 2 22 | 19 27 | 0 2 | 8 44 | 2 3 | 35 23 | 11 43 | 1 18 | 1 26 | 22 36 | | | n.a. |
| S 28 | 23 38 | 13 30 | 2 38 | 17 40 | 2 1 | 18 34 | 0 42 | 24 34 | 1 9 | 19 31 | 0 0 | 16 24 | 2 22 | 19 26 | 0 2 | 8 44 | 2 3 | 35 24 | 11 43 | 1 19 | 1 27 | 22 38 | | | n.a. |
| S 29 | 23 42 | 19 29 | 3 38 | 18 0 | 1 51 | 18 55 | 0 40 | 24 29 | 1 9 | 19 30 | 0 0 | 16 25 | 2 22 | 19 26 | 0 2 | 8 44 | 2 3 | 35 24 | 11 44 | 1 21 | 1 29 | 22 41 | | | n.a. |
| M30 | 23 45 | 24 23 | 4 24 | 18 21 | 1 40 | 19 16 | 0 37 | 24 25 | 1 9 | 19 28 | 0n 0 | 16 26 | 2 23 | 19 25 | 0 2 | 8 44 | 2 3 | 35 24 | 11 44 | 1 24 | 1 30 | 22 43 | | | n.a. |
| T 31 | 23s48 | 27s39 | 4s52 | 18s43 | 1n30 | 19s35 | 0n34 | 24s20 | 1s 9 | 19n27 | 0n 0 | 16n26 | 2n23 | 19n25 | 0n 2 | 8n44 | 2n 3 | 35n24 | 11n44 | 1s29 | 1s31 | 22n45 | | | n.a. |

Julian Day Number = 992353.5, Delta T = 13h00m57s
Ecliptic obliquity = 23°55'35, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'34, Lahiri = -31°28'34 Julian Calendar 1 Dec. 1997 BCE == Greg. Calendar 14 Nov. 1997 BCE

The year -1996 astronomical counting style corresponds to year 1997 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## JANUARY 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 35 4 | 25♐21'28 | 28♐12 | 29♏ 9 | 29♏22 | 14♑37 | 25°R 4 | 22°R46 | 24°R52 | 12°R53 | 7°R43 | 26°R 9 | 26♓11 | 22♉ 9 | n.a. | W 1 |
| T 2 | 5 39 1 | 26°22'02 | 13♑ 6 | 0♐ 5 | 0♐36 | 15°23 | 24♉58 | 22♌45 | 24♉50 | 12♍53 | 7♋41 | 25♓58 | 26° 8 | 22°16 | n.a. | T 2 |
| F 3 | 5 42 57 | 27°22'33 | 27°39 | 1° 5 | 1°50 | 16°10 | 24°52 | 22°43 | 24°48 | 12°53 | 7°40 | 25°47 | 26° 5 | 22°22 | n.a. | F 3 |
| S 4 | 5 46 54 | 28°23'03 | 11♒45 | 2° 7 | 3° 4 | 16°56 | 24°47 | 22°42 | 24°46 | 12°53 | 7°38 | 25°39 | 26° 2 | 22°29 | n.a. | S 4 |
| S 5 | 5 50 51 | 29°23'30 | 25°21 | 3°11 | 4°19 | 17°43 | 24°41 | 22°40 | 24°44 | 12°53 | 7°37 | 25°34 | 25°59 | 22°36 | n.a. | S 5 |
| M 6 | 5 54 47 | 0♑23'56 | 8♓28 | 4°18 | 5°33 | 18°29 | 24°36 | 22°38 | 24°42 | 12°52 | 7°35 | 25°31 | 25°56 | 22°43 | n.a. | M 6 |
| T 7 | 5 58 44 | 1°24'19 | 21°10 | 5°27 | 6°47 | 19°15 | 24°31 | 22°36 | 24°40 | 12°52 | 7°34 | 25°31 | 25°52 | 22°49 | n.a. | T 7 |
| W 8 | 6 2 40 | 2°24'40 | 3♈30 | 6°38 | 8° 1 | 20° 2 | 24°26 | 22°34 | 24°38 | 12°52 | 7°32 | 25°31 | 25°49 | 22°56 | n.a. | W 8 |
| T 9 | 6 6 37 | 3°24'58 | 15°35 | 7°50 | 9°15 | 20°48 | 24°21 | 22°32 | 24°36 | 12°52 | 7°31 | 25°30 | 25°46 | 23° 3 | n.a. | T 9 |
| F 10 | 6 10 33 | 4°25'15 | 27°30 | 9° 5 | 10°30 | 21°34 | 24°16 | 22°30 | 24°34 | 12°51 | 7°29 | 25°28 | 25°43 | 23° 9 | n.a. | F 10 |
| S 11 | 6 14 30 | 5°25'29 | 9♉20 | 10°21 | 11°44 | 22°20 | 24°11 | 22°27 | 24°33 | 12°51 | 7°28 | 25°24 | 25°40 | 23°16 | n.a. | S 11 |
| S 12 | 6 18 26 | 6°25'41 | 21° 9 | 11°38 | 12°58 | 23° 6 | 24° 7 | 22°25 | 24°31 | 12°51 | 7°26 | 25°17 | 25°36 | 23°23 | n.a. | S 12 |
| M13 | 6 22 23 | 7°25'51 | 3♊ 1 | 12°58 | 14°12 | 23°52 | 24° 3 | 22°23 | 24°29 | 12°50 | 7°25 | 25° 7 | 25°33 | 23°29 | n.a. | M13 |
| T 14 | 6 26 19 | 8°25'59 | 14°59 | 14°18 | 15°26 | 24°38 | 23°59 | 22°20 | 24°27 | 12°50 | 7°23 | 24°54 | 25°30 | 23°36 | n.a. | T 14 |
| W15 | 6 30 16 | 9°26'05 | 27° 5 | 15°40 | 16°40 | 25°24 | 23°55 | 22°17 | 24°26 | 12°49 | 7°22 | 24°41 | 25°27 | 23°43 | n.a. | W15 |
| T 16 | 6 34 13 | 10°26'08 | 9♋21 | 17° 4 | 17°54 | 26°10 | 23°51 | 22°15 | 24°24 | 12°49 | 7°20 | 24°27 | 25°24 | 23°50 | n.a. | T 16 |
| F 17 | 6 38 9 | 11°26'10 | 21°46 | 18°28 | 19° 9 | 26°56 | 23°48 | 22°12 | 24°23 | 12°48 | 7°19 | 24°14 | 25°21 | 23°56 | n.a. | F 17 |
| S 18 | 6 42 6 | 12°26'09 | 4♌21 | 19°54 | 20°23 | 27°42 | 23°45 | 22° 9 | 24°21 | 12°48 | 7°17 | 24° 4 | 25°17 | 24° 3 | n.a. | S 18 |
| S 19 | 6 46 2 | 13°26'07 | 17° 7 | 21°22 | 21°37 | 28°28 | 23°41 | 22° 6 | 24°20 | 12°47 | 7°16 | 23°56 | 25°14 | 24°10 | n.a. | S 19 |
| M20 | 6 49 59 | 14°26'02 | 0♍ 4 | 22°50 | 22°51 | 29°14 | 23°39 | 22° 3 | 24°18 | 12°46 | 7°14 | 23°51 | 25°11 | 24°16 | n.a. | M20 |
| T 21 | 6 53 55 | 15°25'56 | 13°12 | 24°20 | 24° 5 | 29°59 | 23°36 | 22° 0 | 24°17 | 12°46 | 7°13 | 23°48 | 25° 8 | 24°23 | n.a. | T 21 |
| W22 | 6 57 52 | 16°25'47 | 26°34 | 25°51 | 25°19 | 0♒45 | 23°33 | 21°56 | 24°16 | 12°45 | 7°11 | 23°D48 | 25° 5 | 24°30 | n.a. | W22 |
| T 23 | 7 1 48 | 17°25'37 | 10♎10 | 27°23 | 26°33 | 1°31 | 23°31 | 21°53 | 24°14 | 12°44 | 7°10 | 23°48 | 25° 2 | 24°37 | n.a. | T 23 |
| F 24 | 7 5 45 | 18°25'25 | 24° 3 | 28°56 | 27°47 | 2°17 | 23°29 | 21°50 | 24°13 | 12°43 | 7° 8 | 23°R48 | 24°58 | 24°43 | n.a. | F 24 |
| S 25 | 7 9 42 | 19°25'11 | 8♏12 | 0♑31 | 29° 1 | 3° 2 | 23°27 | 21°46 | 24°12 | 12°43 | 7° 7 | 23°47 | 24°55 | 24°50 | n.a. | S 25 |
| S 26 | 7 13 38 | 20°24'55 | 22°36 | 2° 7 | 0♑15 | 3°48 | 23°25 | 21°43 | 24°11 | 12°42 | 7° 5 | 23°43 | 24°52 | 24°57 | n.a. | S 26 |
| M27 | 7 17 35 | 21°24'38 | 7♐13 | 3°43 | 1°29 | 4°33 | 23°23 | 21°39 | 24°10 | 12°41 | 7° 4 | 23°37 | 24°49 | 25° 3 | n.a. | M27 |
| T 28 | 7 21 31 | 22°24'18 | 21°57 | 5°21 | 2°44 | 5°19 | 23°22 | 21°36 | 24° 9 | 12°40 | 7° 2 | 23°29 | 24°46 | 25°10 | n.a. | T 28 |
| W29 | 7 25 28 | 23°23'57 | 6♑41 | 7° 1 | 3°58 | 6° 4 | 23°21 | 21°32 | 24° 8 | 12°39 | 7° 1 | 23°19 | 24°42 | 25°17 | n.a. | W29 |
| T 30 | 7 29 24 | 24°23'33 | 21°18 | 8°41 | 5°12 | 6°49 | 23°20 | 21°28 | 24° 7 | 12°38 | 6°59 | 23°10 | 24°39 | 25°23 | n.a. | T 30 |
| F 31 | 7 33 21 | 25♑23'07 | 5♒38 | 10♑23 | 6♑26 | 7♒35 | 23♉19 | 21♌24 | 24♉ 6 | 12♍37 | 6♋58 | 23♓ 1 | 24♓36 | 25♉30 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| W 1 | 23 s51 | 28 s54 | 5 s 0 | 19 s 5 | 1n20 | 19 s55 | 0n32 | 24 s14 | 1 s 8 | 19n26 | 0n 0 | 16n27 | 2n23 | 19n24 | 0n 2 | 8n45 | 2n 3 | 35n25 | 11n44 | 1 s33 | 1 s33 | 22n47 | | | n.a. |
| T 2 | 23 52 | 28 1 | 4 47 | 19 27 | 1 10 | 20 13 | 0 29 | 24 9 | 1 8 | 19 24 | 0 1 | 16 28 | 2 23 | 19 24 | 0 2 | 8 45 | 2 3 | 35 25 | 11 44 | 1 38 | 1 34 | 22 50 | | | n.a. |
| F 3 | 23 54 | 25 13 | 4 15 | 19 49 | 1 0 | 20 31 | 0 26 | 24 3 | 1 8 | 19 23 | 0 1 | 16 29 | 2 24 | 19 23 | 0 2 | 8 45 | 2 3 | 35 25 | 11 44 | 1 42 | 1 35 | 22 52 | | | n.a. |
| S 4 | 23 55 | 20 57 | 3 29 | 20 11 | 0 50 | 20 49 | 0 24 | 23 57 | 1 8 | 19 22 | 0 1 | 16 29 | 2 24 | 19 23 | 0 2 | 8 45 | 2 3 | 35 25 | 11 45 | 1 46 | 1 36 | 22 54 | | | n.a. |
| S 5 | 23 55 | 15 43 | 2 32 | 20 34 | 0 40 | 21 6 | 0 21 | 23 51 | 1 8 | 19 21 | 0 1 | 16 30 | 2 24 | 19 22 | 0 2 | 8 45 | 2 3 | 35 26 | 11 45 | 1 48 | 1 38 | 22 57 | | | n.a. |
| M 6 | 23 55 | 9 56 | 1 29 | 20 56 | 0 31 | 21 22 | 0 18 | 23 44 | 1 8 | 19 19 | 0 1 | 16 31 | 2 24 | 19 22 | 0 2 | 8 45 | 2 3 | 35 26 | 11 45 | 1 49 | 1 39 | 22 59 | | | n.a. |
| T 7 | 23 55 | 3 55 | 0 23 | 21 18 | 0 21 | 21 38 | 0 15 | 23 37 | 1 7 | 19 18 | 0 1 | 16 32 | 2 25 | 19 21 | 0 2 | 8 45 | 2 3 | 35 26 | 11 45 | 1 49 | 1 40 | 23 1 | | | n.a. |
| W 8 | 23 54 | 2n 4 | 0n42 | 21 39 | 0 12 | 21 53 | 0 13 | 23 30 | 1 7 | 19 17 | 0 1 | 16 33 | 2 25 | 19 21 | 0 2 | 8 45 | 2 4 | 35 26 | 11 45 | 1 49 | 1 42 | 23 3 | | | n.a. |
| T 9 | 23 53 | 7 51 | 1 44 | 22 0 | 0 3 | 22 7 | 0 10 | 23 23 | 1 7 | 19 16 | 0 2 | 16 34 | 2 25 | 19 20 | 0 2 | 8 46 | 2 4 | 35 26 | 11 45 | 1 49 | 1 43 | 23 6 | | | n.a. |
| F 10 | 23 51 | 13 17 | 2 40 | 22 21 | 0 s 5 | 22 21 | 0 7 | 23 15 | 1 7 | 19 15 | 0 2 | 16 35 | 2 25 | 19 20 | 0 2 | 8 46 | 2 4 | 35 27 | 11 45 | 1 50 | 1 44 | 23 8 | | | n.a. |
| S 11 | 23 49 | 18 12 | 3 29 | 22 41 | 0 14 | 22 34 | 0 5 | 23 7 | 1 6 | 19 14 | 0 2 | 16 36 | 2 26 | 19 20 | 0 2 | 8 46 | 2 4 | 35 27 | 11 45 | 1 52 | 1 45 | 23 10 | | | n.a. |
| S 12 | 23 46 | 22 25 | 4 9 | 23 0 | 0 22 | 22 47 | 0 2 | 22 59 | 1 6 | 19 13 | 0 2 | 16 37 | 2 26 | 19 19 | 0 2 | 8 46 | 2 4 | 35 27 | 11 46 | 1 55 | 1 47 | 23 12 | | | n.a. |
| M13 | 23 43 | 25 44 | 4 39 | 23 18 | 0 30 | 22 59 | 0 s 1 | 22 51 | 1 6 | 19 12 | 0 2 | 16 38 | 2 26 | 19 19 | 0 2 | 8 46 | 2 4 | 35 27 | 11 46 | 1 59 | 1 48 | 23 14 | | | n.a. |
| T 14 | 23 39 | 27 57 | 4 56 | 23 36 | 0 38 | 23 10 | 0 3 | 22 42 | 1 6 | 19 11 | 0 2 | 16 39 | 2 26 | 19 18 | 0 2 | 8 47 | 2 4 | 35 27 | 11 46 | 2 4 | 1 49 | 23 17 | | | n.a. |
| W15 | 23 35 | 28 53 | 5 0 | 23 53 | 0 45 | 23 20 | 0 6 | 22 34 | 1 5 | 19 10 | 0 3 | 16 40 | 2 27 | 19 18 | 0 2 | 8 47 | 2 4 | 35 27 | 11 46 | 2 9 | 1 51 | 23 19 | | | n.a. |
| T 16 | 23 30 | 28 25 | 4 50 | 24 9 | 0 52 | 23 30 | 0 9 | 22 25 | 1 5 | 19 10 | 0 3 | 16 41 | 2 27 | 19 17 | 0 2 | 8 47 | 2 4 | 35 28 | 11 46 | 2 15 | 1 52 | 23 21 | | | n.a. |
| F 17 | 23 25 | 26 31 | 4 27 | 24 24 | 0 59 | 23 39 | 0 11 | 22 15 | 1 5 | 19 9 | 0 3 | 16 42 | 2 27 | 19 17 | 0 2 | 8 47 | 2 4 | 35 28 | 11 46 | 2 20 | 1 53 | 23 23 | | | n.a. |
| S 18 | 23 20 | 23 17 | 3 50 | 24 37 | 1 6 | 23 48 | 0 14 | 22 6 | 1 5 | 19 8 | 0 3 | 16 44 | 2 27 | 19 17 | 0 2 | 8 48 | 2 4 | 35 28 | 11 46 | 2 24 | 1 54 | 23 25 | | | n.a. |
| S 19 | 23 14 | 18 53 | 3 1 | 24 50 | 1 12 | 23 55 | 0 16 | 21 56 | 1 4 | 19 8 | 0 3 | 16 45 | 2 28 | 19 16 | 0 2 | 8 48 | 2 4 | 35 28 | 11 46 | 2 28 | 1 56 | 23 28 | | | n.a. |
| M20 | 23 8 | 13 35 | 2 2 | 25 1 | 1 18 | 24 2 | 0 19 | 21 46 | 1 4 | 19 7 | 0 3 | 16 46 | 2 28 | 19 16 | 0 2 | 8 48 | 2 4 | 35 28 | 11 46 | 2 30 | 1 57 | 23 30 | | | n.a. |
| T 21 | 23 1 | 7 35 | 0 56 | 25 11 | 1 23 | 24 9 | 0 21 | 21 36 | 1 4 | 19 6 | 0 3 | 16 47 | 2 28 | 19 16 | 0 2 | 8 49 | 2 4 | 35 28 | 11 46 | 2 30 | 1 58 | 23 32 | | | n.a. |
| W22 | 22 53 | 1 10 | 0 s15 | 25 20 | 1 29 | 24 14 | 0 24 | 21 26 | 1 3 | 19 6 | 0 4 | 16 49 | 2 28 | 19 15 | 0 2 | 8 49 | 2 4 | 35 28 | 11 46 | 2 31 | 2 0 | 23 34 | | | n.a. |
| T 23 | 22 46 | 5 s25 | 1 26 | 25 28 | 1 34 | 24 19 | 0 26 | 21 15 | 1 3 | 19 5 | 0 4 | 16 50 | 2 28 | 19 15 | 0 2 | 8 49 | 2 5 | 35 29 | 11 46 | 2 30 | 2 1 | 23 36 | | | n.a. |
| F 24 | 22 38 | 11 53 | 2 34 | 25 34 | 1 38 | 24 23 | 0 28 | 21 4 | 1 3 | 19 5 | 0 4 | 16 51 | 2 29 | 19 15 | 0 2 | 8 50 | 2 5 | 35 29 | 11 46 | 2 30 | 2 2 | 23 38 | | | n.a. |
| S 25 | 22 29 | 17 52 | 3 33 | 25 38 | 1 43 | 24 26 | 0 31 | 20 53 | 1 2 | 19 5 | 0 4 | 16 52 | 2 29 | 19 14 | 0 2 | 8 50 | 2 5 | 35 29 | 11 46 | 2 31 | 2 3 | 23 40 | | | n.a. |
| S 26 | 22 20 | 22 59 | 4 20 | 25 41 | 1 47 | 24 29 | 0 33 | 20 42 | 1 2 | 19 4 | 0 4 | 16 54 | 2 29 | 19 14 | 0 2 | 8 50 | 2 5 | 35 29 | 11 46 | 2 33 | 2 5 | 23 43 | | | n.a. |
| M27 | 22 11 | 26 44 | 4 51 | 25 43 | 1 50 | 24 31 | 0 35 | 20 31 | 1 2 | 19 4 | 0 4 | 16 55 | 2 29 | 19 14 | 0 2 | 8 51 | 2 5 | 35 29 | 11 46 | 2 35 | 2 6 | 23 45 | | | n.a. |
| T 28 | 22 1 | 28 43 | 5 3 | 25 42 | 1 53 | 24 32 | 0 38 | 20 19 | 1 1 | 19 4 | 0 4 | 16 57 | 2 29 | 19 14 | 0 2 | 8 51 | 2 5 | 35 29 | 11 46 | 2 38 | 2 7 | 23 47 | | | n.a. |
| W29 | 21 51 | 28 40 | 4 55 | 25 40 | 1 56 | 24 32 | 0 40 | 20 7 | 1 1 | 19 4 | 0 4 | 16 58 | 2 30 | 19 13 | 0 2 | 8 52 | 2 5 | 35 29 | 11 46 | 2 42 | 2 9 | 23 49 | | | n.a. |
| T 30 | 21 41 | 26 37 | 4 28 | 25 36 | 1 59 | 24 31 | 0 42 | 19 55 | 1 1 | 19 3 | 0 5 | 16 59 | 2 30 | 19 13 | 0 2 | 8 52 | 2 5 | 35 29 | 11 46 | 2 46 | 2 10 | 23 51 | | | n.a. |
| F 31 | 21 s30 | 22 s52 | 3 s44 | 25 s31 | 2 s 0 | 24 s30 | 0 s44 | 19 s43 | 1 s 0 | 19n 3 | 0n 5 | 17n 1 | 2n30 | 19n13 | 0n 2 | 8n53 | 2n 5 | 35n29 | 11n46 | 2 s50 | 2 s11 | 23n53 | | | n.a. |

Julian Day Number = 992384.5, Delta T = 13h00m55s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'30, Lahiri = -31°28'29 Julian Calendar 1 Jan. 1996 BCE == Greg. Calendar 15 Dec. 1997 BCE

The year -1995 astronomical counting style corresponds to year 1996 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## FEBRUARY 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 37 17 | 26♑22'39 | 19♒37 | 12♑ 6 | 7♑40 | 8♒20 | 23°R18 | 21°R21 | 24°R 5 | 12°R36 | 6°R56 | 22°R54 | 24♓33 | 25♉37 | n.a. | S 1 |
| S 2 | 7 41 14 | 27°22'08 | 3♓12 | 13°50 | 8°54 | 9° 5 | 23♉18 | 21♌17 | 24♉ 4 | 12♍35 | 6♋55 | 22♓50 | 24°30 | 25°44 | n.a. | S 2 |
| M 3 | 7 45 11 | 28°21'35 | 16°21 | 15°35 | 10° 8 | 9°51 | 23°18 | 21°13 | 24° 4 | 12°34 | 6°54 | 22°48 | 24°27 | 25°50 | n.a. | M 3 |
| T 4 | 7 49 7 | 29°21'00 | 29° 6 | 17°22 | 11°22 | 10°36 | 23°D18 | 21° 9 | 24° 3 | 12°33 | 6°52 | 22°D48 | 24°23 | 25°57 | n.a. | T 4 |
| W 5 | 7 53 4 | 0♒20'22 | 11♈31 | 19°10 | 12°36 | 11°21 | 23°18 | 21° 5 | 24° 2 | 12°32 | 6°51 | 22°49 | 24°20 | 26° 4 | n.a. | W 5 |
| T 6 | 7 57 0 | 1°19'41 | 23°39 | 20°59 | 13°50 | 12° 6 | 23°18 | 21° 0 | 24° 2 | 12°31 | 6°50 | 22°50 | 24°17 | 26°10 | n.a. | T 6 |
| F 7 | 8 0 57 | 2°18'58 | 5♉37 | 22°50 | 15° 4 | 12°51 | 23°19 | 20°56 | 24° 1 | 12°30 | 6°48 | 22°R51 | 24°14 | 26°17 | n.a. | F 7 |
| S 8 | 8 4 53 | 3°18'13 | 17°29 | 24°42 | 16°18 | 13°36 | 23°19 | 20°52 | 24° 1 | 12°29 | 6°47 | 22°49 | 24°11 | 26°24 | n.a. | S 8 |
| S 9 | 8 8 50 | 4°17'25 | 29°20 | 26°35 | 17°32 | 14°21 | 23°20 | 20°48 | 24° 0 | 12°28 | 6°46 | 22°46 | 24° 8 | 26°31 | n.a. | S 9 |
| M10 | 8 12 46 | 5°16'35 | 11♊14 | 28°29 | 18°46 | 15° 6 | 23°22 | 20°44 | 24° 0 | 12°26 | 6°44 | 22°41 | 24° 4 | 26°37 | n.a. | M10 |
| T 11 | 8 16 43 | 6°15'42 | 23°17 | 0♒25 | 19°59 | 15°50 | 23°23 | 20°39 | 24° 0 | 12°25 | 6°43 | 22°34 | 24° 1 | 26°44 | n.a. | T 11 |
| W12 | 8 20 39 | 7°14'47 | 5♋30 | 2°22 | 21°13 | 16°35 | 23°24 | 20°35 | 23°59 | 12°24 | 6°42 | 22°26 | 23°58 | 26°51 | n.a. | W12 |
| T 13 | 8 24 36 | 8°13'49 | 17°55 | 4°20 | 22°27 | 17°20 | 23°26 | 20°30 | 23°59 | 12°23 | 6°40 | 22°18 | 23°55 | 26°57 | n.a. | T 13 |
| F 14 | 8 28 33 | 9°12'50 | 0♌34 | 6°19 | 23°41 | 18° 4 | 23°28 | 20°26 | 23°59 | 12°21 | 6°39 | 22°10 | 23°52 | 27° 4 | n.a. | F 14 |
| S 15 | 8 32 29 | 10°11'48 | 13°27 | 8°20 | 24°55 | 18°49 | 23°30 | 20°22 | 23°59 | 12°20 | 6°38 | 22° 3 | 23°48 | 27°11 | n.a. | S 15 |
| S 16 | 8 36 26 | 11°10'43 | 26°34 | 10°21 | 26° 9 | 19°34 | 23°32 | 20°17 | 23°D59 | 12°19 | 6°37 | 21°59 | 23°45 | 27°18 | n.a. | S 16 |
| M17 | 8 40 22 | 12° 9'37 | 9♍53 | 12°24 | 27°23 | 20°18 | 23°35 | 20°13 | 23°59 | 12°18 | 6°36 | 21°56 | 23°42 | 27°24 | n.a. | M17 |
| T 18 | 8 44 19 | 13° 8'28 | 23°23 | 14°27 | 28°37 | 21° 3 | 23°37 | 20° 8 | 23°59 | 12°16 | 6°34 | 21°D56 | 23°39 | 27°31 | n.a. | T 18 |
| W19 | 8 48 15 | 14° 7'18 | 7♎ 4 | 16°31 | 29°51 | 21°47 | 23°40 | 20° 4 | 23°59 | 12°15 | 6°33 | 21°56 | 23°36 | 27°38 | n.a. | W19 |
| T 20 | 8 52 12 | 15° 6'05 | 20°55 | 18°35 | 1♒ 5 | 22°31 | 23°43 | 19°59 | 23°59 | 12°13 | 6°32 | 21°58 | 23°33 | 27°44 | n.a. | T 20 |
| F 21 | 8 56 8 | 16° 4'51 | 4♏54 | 20°40 | 2°18 | 23°16 | 23°46 | 19°55 | 23°59 | 12°12 | 6°31 | 21°59 | 23°29 | 27°51 | n.a. | F 21 |
| S 22 | 9 0 5 | 17° 3'35 | 19° 1 | 22°45 | 3°32 | 24° 0 | 23°49 | 19°50 | 24° 0 | 12°11 | 6°30 | 22°R 0 | 23°26 | 27°58 | n.a. | S 22 |
| S 23 | 9 4 1 | 18° 2'17 | 3♐15 | 24°50 | 4°46 | 24°44 | 23°53 | 19°46 | 24° 0 | 12° 9 | 6°29 | 21°59 | 23°23 | 28° 4 | n.a. | S 23 |
| M24 | 9 7 58 | 19° 0'57 | 17°33 | 26°54 | 6° 0 | 25°28 | 23°57 | 19°41 | 24° 0 | 12° 8 | 6°28 | 21°56 | 23°20 | 28°11 | n.a. | M24 |
| T 25 | 9 11 55 | 19°59'36 | 1♑52 | 28°57 | 7°14 | 26°12 | 24° 0 | 19°36 | 24° 1 | 12° 6 | 6°27 | 21°52 | 23°17 | 28°18 | n.a. | T 25 |
| W26 | 9 15 51 | 20°58'12 | 16° 8 | 0♓59 | 8°28 | 26°57 | 24° 4 | 19°32 | 24° 1 | 12° 5 | 6°26 | 21°48 | 23°14 | 28°25 | n.a. | W26 |
| T 27 | 9 19 48 | 21°56'47 | 0♒16 | 3° 0 | 9°42 | 27°41 | 24° 9 | 19°27 | 24° 2 | 12° 3 | 6°25 | 21°43 | 23°10 | 28°31 | n.a. | T 27 |
| F 28 | 9 23 44 | 22♒55'20 | 14♒12 | 4♓59 | 10♒56 | 28♒25 | 24♉13 | 19♌23 | 24♉ 2 | 12♍ 2 | 6♋24 | 21♓39 | 23♓ 7 | 28♉38 | n.a. | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s18 | 17s53 | 2s48 | 25s23 | 2s 2 | 24s28 | 0s46 | 19s31 | 1s 0 | 19n 3 | 0n 5 | 17n 2 | 2n30 | 19n13 | 0n 2 | 8n53 | 2n 5 | 35n29 | 11n46 | 2s52 | 2s12 | 23n55 | | n.a. |
| S 2 | 21 7 | 12 8 | 1 43 | 25 14 | 2 3 | 24 26 | 0 48 | 19 18 | 1 0 | 19 3 | 0 5 | 17 4 | 2 30 | 19 13 | 0 2 | 8 53 | 2 5 | 35 29 | 11 46 | 2 54 | 2 14 | 23 57 | | n.a. |
| M 3 | 20 55 | 6 1 | 0 35 | 25 2 | 2 4 | 24 22 | 0 50 | 19 6 | 0 59 | 19 3 | 0 5 | 17 5 | 2 30 | 19 12 | 0 2 | 8 54 | 2 5 | 35 29 | 11 46 | 2 55 | 2 15 | 23 59 | | n.a. |
| T 4 | 20 42 | 0n 9 | 0n34 | 24 49 | 2 4 | 24 18 | 0 52 | 18 53 | 0 59 | 19 4 | 0 5 | 17 7 | 2 31 | 19 12 | 0 2 | 8 54 | 2 5 | 35 29 | 11 46 | 2 55 | 2 16 | 24 1 | | n.a. |
| W 5 | 20 29 | 6 9 | 1 39 | 24 34 | 2 4 | 24 13 | 0 54 | 18 40 | 0 59 | 19 4 | 0 5 | 17 8 | 2 31 | 19 12 | 0 2 | 8 55 | 2 5 | 35 29 | 11 46 | 2 54 | 2 18 | 24 4 | | n.a. |
| T 6 | 20 16 | 11 48 | 2 38 | 24 16 | 2 3 | 24 7 | 0 56 | 18 27 | 0 58 | 19 4 | 0 5 | 17 10 | 2 31 | 19 12 | 0 2 | 8 55 | 2 5 | 35 29 | 11 46 | 2 54 | 2 19 | 24 6 | | n.a. |
| F 7 | 20 3 | 16 56 | 3 29 | 23 57 | 2 1 | 24 1 | 0 58 | 18 13 | 0 58 | 19 4 | 0 6 | 17 11 | 2 31 | 19 12 | 0 2 | 8 56 | 2 5 | 35 29 | 11 46 | 2 54 | 2 20 | 24 8 | | n.a. |
| S 8 | 19 49 | 21 24 | 4 11 | 23 35 | 2 0 | 23 54 | 1 0 | 18 0 | 0 57 | 19 4 | 0 6 | 17 13 | 2 31 | 19 12 | 0 2 | 8 56 | 2 5 | 35 29 | 11 45 | 2 54 | 2 21 | 24 10 | | n.a. |
| S 9 | 19 35 | 25 0 | 4 42 | 23 11 | 1 57 | 23 46 | 1 1 | 17 46 | 0 57 | 19 5 | 0 6 | 17 14 | 2 31 | 19 12 | 0 2 | 8 57 | 2 6 | 35 29 | 11 45 | 2 56 | 2 23 | 24 12 | | n.a. |
| M10 | 19 20 | 27 33 | 5 1 | 22 45 | 1 54 | 23 37 | 1 3 | 17 32 | 0 57 | 19 5 | 0 6 | 17 16 | 2 31 | 19 12 | 0 2 | 8 57 | 2 6 | 35 29 | 11 45 | 2 58 | 2 24 | 24 14 | | n.a. |
| T 11 | 19 5 | 28 52 | 5 7 | 22 16 | 1 51 | 23 28 | 1 5 | 17 18 | 0 56 | 19 6 | 0 6 | 17 17 | 2 32 | 19 11 | 0 2 | 8 58 | 2 6 | 35 29 | 11 45 | 3 1 | 2 25 | 24 16 | | n.a. |
| W12 | 18 50 | 28 48 | 5 0 | 21 46 | 1 47 | 23 18 | 1 6 | 17 4 | 0 56 | 19 6 | 0 6 | 17 19 | 2 32 | 19 11 | 0 2 | 8 58 | 2 6 | 35 29 | 11 45 | 3 4 | 2 27 | 24 18 | | n.a. |
| T 13 | 18 35 | 27 17 | 4 38 | 21 13 | 1 42 | 23 8 | 1 8 | 16 50 | 0 55 | 19 7 | 0 6 | 17 20 | 2 32 | 19 11 | 0 2 | 8 59 | 2 6 | 35 29 | 11 45 | 3 7 | 2 28 | 24 20 | | n.a. |
| F 14 | 18 19 | 24 22 | 4 2 | 20 38 | 1 37 | 22 56 | 1 9 | 16 36 | 0 55 | 19 7 | 0 6 | 17 22 | 2 32 | 19 11 | 0 2 | 8 59 | 2 6 | 35 29 | 11 45 | 3 10 | 2 29 | 24 22 | | n.a. |
| S 15 | 18 3 | 20 12 | 3 13 | 20 1 | 1 31 | 22 44 | 1 11 | 16 21 | 0 55 | 19 8 | 0 7 | 17 23 | 2 32 | 19 11 | 0 2 | 9 0 | 2 6 | 35 29 | 11 45 | 3 13 | 2 30 | 24 24 | | n.a. |
| S 16 | 17 46 | 14 59 | 2 13 | 19 22 | 1 25 | 22 32 | 1 12 | 16 6 | 0 54 | 19 9 | 0 7 | 17 25 | 2 32 | 19 11 | 0 2 | 9 0 | 2 6 | 35 29 | 11 45 | 3 15 | 2 32 | 24 26 | | n.a. |
| M17 | 17 30 | 9 1 | 1 5 | 18 40 | 1 18 | 22 18 | 1 13 | 15 52 | 0 54 | 19 9 | 0 7 | 17 27 | 2 32 | 19 11 | 0 2 | 9 1 | 2 6 | 35 29 | 11 45 | 3 16 | 2 33 | 24 28 | | n.a. |
| T 18 | 17 13 | 2 33 | 0s 8 | 17 57 | 1 11 | 22 4 | 1 14 | 15 37 | 0 53 | 19 10 | 0 7 | 17 28 | 2 32 | 19 11 | 0 3 | 9 2 | 2 6 | 35 29 | 11 44 | 3 16 | 2 34 | 24 30 | | n.a. |
| W19 | 16 56 | 4s 6 | 1 21 | 17 12 | 1 2 | 21 50 | 1 16 | 15 22 | 0 53 | 19 11 | 0 7 | 17 30 | 2 32 | 19 11 | 0 3 | 9 2 | 2 6 | 35 29 | 11 44 | 3 16 | 2 36 | 24 32 | | n.a. |
| T 20 | 16 38 | 10 39 | 2 31 | 16 25 | 0 54 | 21 34 | 1 17 | 15 7 | 0 53 | 19 12 | 0 7 | 17 31 | 2 32 | 19 11 | 0 3 | 9 3 | 2 6 | 35 29 | 11 44 | 3 15 | 2 37 | 24 34 | | n.a. |
| F 21 | 16 20 | 16 45 | 3 32 | 15 36 | 0 45 | 21 18 | 1 18 | 14 51 | 0 52 | 19 13 | 0 7 | 17 33 | 2 33 | 19 12 | 0 3 | 9 3 | 2 6 | 35 29 | 11 44 | 3 14 | 2 38 | 24 36 | | n.a. |
| S 22 | 16 2 | 22 1 | 4 22 | 14 46 | 0 35 | 21 2 | 1 19 | 14 36 | 0 52 | 19 14 | 0 7 | 17 34 | 2 33 | 19 12 | 0 3 | 9 4 | 2 6 | 35 29 | 11 44 | 3 14 | 2 39 | 24 38 | | n.a. |
| S 23 | 15 44 | 26 3 | 4 55 | 13 54 | 0 25 | 20 45 | 1 20 | 14 21 | 0 51 | 19 15 | 0 7 | 17 36 | 2 33 | 19 12 | 0 3 | 9 5 | 2 6 | 35 29 | 11 44 | 3 15 | 2 41 | 24 40 | | n.a. |
| M24 | 15 26 | 28 29 | 5 11 | 13 1 | 0 14 | 20 27 | 1 20 | 14 5 | 0 51 | 19 16 | 0 8 | 17 37 | 2 33 | 19 12 | 0 3 | 9 5 | 2 6 | 35 28 | 11 44 | 3 16 | 2 42 | 24 42 | | n.a. |
| T 25 | 15 7 | 29 2 | 5 7 | 12 8 | 0 3 | 20 9 | 1 21 | 13 49 | 0 50 | 19 17 | 0 8 | 17 39 | 2 33 | 19 12 | 0 3 | 9 6 | 2 6 | 35 28 | 11 43 | 3 17 | 2 43 | 24 44 | | n.a. |
| W26 | 14 48 | 27 38 | 4 44 | 11 13 | 0n 8 | 19 50 | 1 22 | 13 34 | 0 50 | 19 18 | 0 8 | 17 40 | 2 33 | 19 12 | 0 3 | 9 6 | 2 6 | 35 28 | 11 43 | 3 19 | 2 45 | 24 45 | | n.a. |
| T 27 | 14 29 | 24 28 | 4 4 | 10 19 | 0 19 | 19 31 | 1 23 | 13 18 | 0 49 | 19 19 | 0 8 | 17 42 | 2 33 | 19 12 | 0 3 | 9 7 | 2 6 | 35 28 | 11 43 | 3 21 | 2 46 | 24 47 | | n.a. |
| F 28 | 14s 9 | 19s56 | 3s10 | 9s24 | 0n31 | 19s11 | 1s23 | 13s 2 | 0s49 | 19n20 | 0n 8 | 17n43 | 2n33 | 19n12 | 0n 3 | 9n 8 | 2n 6 | 35n28 | 11n43 | 3s22 | 2s47 | 24n49 | | n.a. |

Julian Day Number = 992415.5, Delta T = 13h00m53s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'26, Lahiri = -31°28'25 Julian Calendar 1 Feb. 1996 BCE == Greg. Calendar 15 Jan. 1996 BCE


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## MARCH 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 27 41 | 23♒53'50 | 27♒52 | 6♓56 | 12♒ 9 | 29♒ 8 | 24♉17 | 19°R18 | 24♉ 3 | 12°R 0 | 6°R23 | 21°R36 | 23♓ 4 | 28♉45 | n.a. | S 1 |
| S 2 | 9 31 37 | 24°52'18 | 11♓12 | 8°50 | 13°23 | 29°52 | 24°22 | 19♌14 | 24° 4 | 11♍59 | 6♋22 | 21♓35 | 23° 1 | 28°51 | n.a. | S 2 |
| M 3 | 9 35 34 | 25°50'45 | 24°13 | 10°42 | 14°37 | 0♓36 | 24°27 | 19° 9 | 24° 5 | 11°57 | 6°21 | 21°D34 | 22°58 | 28°58 | n.a. | M 3 |
| T 4 | 9 39 30 | 26°49'09 | 6♈55 | 12°30 | 15°51 | 1°20 | 24°32 | 19° 5 | 24° 5 | 11°56 | 6°20 | 21°35 | 22°54 | 29° 5 | n.a. | T 4 |
| W 5 | 9 43 27 | 27°47'31 | 19°19 | 14°15 | 17° 5 | 2° 4 | 24°37 | 19° 0 | 24° 6 | 11°54 | 6°19 | 21°36 | 22°51 | 29°12 | n.a. | W 5 |
| T 6 | 9 47 23 | 28°45'50 | 1♉29 | 15°57 | 18°18 | 2°47 | 24°42 | 18°56 | 24° 7 | 11°52 | 6°19 | 21°38 | 22°48 | 29°18 | n.a. | T 6 |
| F 7 | 9 51 20 | 29°44'08 | 13°29 | 17°34 | 19°32 | 3°31 | 24°48 | 18°51 | 24° 8 | 11°51 | 6°18 | 21°39 | 22°45 | 29°25 | n.a. | F 7 |
| S 8 | 9 55 17 | 0♓42'23 | 25°22 | 19° 7 | 20°46 | 4°15 | 24°54 | 18°47 | 24° 9 | 11°49 | 6°17 | 21°R40 | 22°42 | 29°32 | n.a. | S 8 |
| S 9 | 9 59 13 | 1°40'36 | 7♊15 | 20°37 | 22° 0 | 4°58 | 24°59 | 18°42 | 24°10 | 11°48 | 6°16 | 21°40 | 22°39 | 29°38 | n.a. | S 9 |
| M10 | 10 3 10 | 2°38'47 | 19°11 | 22° 1 | 23°14 | 5°41 | 25° 5 | 18°38 | 24°11 | 11°46 | 6°16 | 21°39 | 22°35 | 29°45 | n.a. | M10 |
| T 11 | 10 7 6 | 3°36'56 | 1♋15 | 23°22 | 24°27 | 6°25 | 25°11 | 18°34 | 24°13 | 11°44 | 6°15 | 21°38 | 22°32 | 29°52 | n.a. | T 11 |
| W12 | 10 11 3 | 4°35'02 | 13°32 | 24°37 | 25°41 | 7° 8 | 25°18 | 18°29 | 24°14 | 11°43 | 6°14 | 21°36 | 22°29 | 29°59 | n.a. | W12 |
| T 13 | 10 14 59 | 5°33'07 | 26° 3 | 25°48 | 26°55 | 7°52 | 25°24 | 18°25 | 24°15 | 11°41 | 6°14 | 21°33 | 22°26 | 0♊ 5 | n.a. | T 13 |
| F 14 | 10 18 56 | 6°31'09 | 8♌52 | 26°54 | 28° 9 | 8°35 | 25°30 | 18°21 | 24°16 | 11°40 | 6°13 | 21°31 | 22°23 | 0°12 | n.a. | F 14 |
| S 15 | 10 22 52 | 7°29'10 | 22° 0 | 27°55 | 29°22 | 9°18 | 25°37 | 18°17 | 24°18 | 11°38 | 6°12 | 21°29 | 22°20 | 0°19 | n.a. | S 15 |
| S 16 | 10 26 49 | 8°27'08 | 5♍26 | 28°51 | 0♓36 | 10° 1 | 25°44 | 18°13 | 24°19 | 11°36 | 6°12 | 21°28 | 22°16 | 0°25 | n.a. | S 16 |
| M17 | 10 30 45 | 9°25'05 | 19° 8 | 29°42 | 1°50 | 10°44 | 25°51 | 18° 9 | 24°21 | 11°35 | 6°11 | 21°D28 | 22°13 | 0°32 | n.a. | M17 |
| T 18 | 10 34 42 | 10°23'00 | 3♎ 5 | 0♈28 | 3° 4 | 11°27 | 25°58 | 18° 4 | 24°22 | 11°33 | 6°11 | 21°28 | 22°10 | 0°39 | n.a. | T 18 |
| W19 | 10 38 39 | 11°20'53 | 17°12 | 1° 9 | 4°17 | 12°10 | 26° 5 | 18° 0 | 24°24 | 11°32 | 6°10 | 21°28 | 22° 7 | 0°46 | n.a. | W19 |
| T 20 | 10 42 35 | 12°18'45 | 1♏27 | 1°45 | 5°31 | 12°53 | 26°12 | 17°56 | 24°25 | 11°30 | 6°10 | 21°29 | 22° 4 | 0°52 | n.a. | T 20 |
| F 21 | 10 46 32 | 13°16'35 | 15°46 | 2°15 | 6°45 | 13°36 | 26°20 | 17°53 | 24°27 | 11°28 | 6° 9 | 21°30 | 22° 0 | 0°59 | n.a. | F 21 |
| S 22 | 10 50 28 | 14°14'24 | 0♐ 4 | 2°40 | 7°58 | 14°19 | 26°28 | 17°49 | 24°29 | 11°27 | 6° 9 | 21°30 | 21°57 | 1° 6 | n.a. | S 22 |
| S 23 | 10 54 25 | 15°12'12 | 14°19 | 2°59 | 9°12 | 15° 2 | 26°35 | 17°45 | 24°30 | 11°25 | 6° 9 | 21°R31 | 21°54 | 1°12 | n.a. | S 23 |
| M24 | 10 58 21 | 16° 9'58 | 28°29 | 3°14 | 10°26 | 15°44 | 26°43 | 17°41 | 24°32 | 11°23 | 6° 8 | 21°30 | 21°51 | 1°19 | n.a. | M24 |
| T 25 | 11 2 18 | 17° 7'44 | 12♑30 | 3°23 | 11°40 | 16°27 | 26°51 | 17°38 | 24°34 | 11°22 | 6° 8 | 21°30 | 21°48 | 1°26 | n.a. | T 25 |
| W26 | 11 6 14 | 18° 5'27 | 26°22 | 3°R27 | 12°53 | 17°10 | 26°59 | 17°34 | 24°36 | 11°20 | 6° 8 | 21°30 | 21°45 | 1°33 | n.a. | W26 |
| T 27 | 11 10 11 | 19° 3'10 | 10♒ 3 | 3°26 | 14° 7 | 17°52 | 27° 7 | 17°30 | 24°38 | 11°19 | 6° 7 | 21°29 | 21°41 | 1°39 | n.a. | T 27 |
| F 28 | 11 14 8 | 20° 0'51 | 23°31 | 3°21 | 15°21 | 18°35 | 27°16 | 17°27 | 24°40 | 11°17 | 6° 7 | 21°29 | 21°38 | 1°46 | n.a. | F 28 |
| S 29 | 11 18 4 | 20°58'30 | 6♓46 | 3°10 | 16°34 | 19°17 | 27°24 | 17°23 | 24°42 | 11°15 | 6° 7 | 21°29 | 21°35 | 1°53 | n.a. | S 29 |
| S 30 | 11 22 1 | 21°56'08 | 19°46 | 2°55 | 17°48 | 20° 0 | 27°33 | 17°20 | 24°44 | 11°14 | 6° 7 | 21°29 | 21°32 | 1°59 | n.a. | S 30 |
| M31 | 11 25 57 | 22♓53'45 | 2♈31 | 2♈37 | 19♓ 2 | 20♓42 | 27♉42 | 17♌17 | 24♉46 | 11♍12 | 6♋ 7 | 21♓29 | 21♓29 | 2♊ 6 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 13s50 | 14s26 | 2s 6 | 8s29 | 0n42 | 18s50 | 1s24 | 12s46 | 0s48 | 19n21 | 0n 8 | 17n45 | 2n33 | 19n13 | 0n 3 | 9n 8 | 2n 6 | 35n28 | 11n43 | 3s24 | 2s48 | 24n51 | | n.a. |
| S 2 | 13 30 | 8 23 | 0 57 | 7 35 | 0 54 | 18 29 | 1 24 | 12 30 | 0 48 | 19 23 | 0 8 | 17 46 | 2 33 | 19 13 | 0 3 | 9 9 | 2 6 | 35 28 | 11 42 | 3 24 | 2 50 | 24 53 | | n.a. |
| M 3 | 13 10 | 2 7 | 0n15 | 6 42 | 1 6 | 18 8 | 1 25 | 12 13 | 0 48 | 19 24 | 0 8 | 17 48 | 2 33 | 19 13 | 0 3 | 9 9 | 2 6 | 35 28 | 11 42 | 3 25 | 2 51 | 24 55 | | n.a. |
| T 4 | 12 49 | 4n 4 | 1 23 | 5 49 | 1 17 | 17 46 | 1 25 | 11 57 | 0 47 | 19 25 | 0 8 | 17 49 | 2 33 | 19 13 | 0 3 | 9 10 | 2 6 | 35 27 | 11 42 | 3 24 | 2 52 | 24 57 | | n.a. |
| W 5 | 12 29 | 9 58 | 2 27 | 4 58 | 1 28 | 17 23 | 1 25 | 11 41 | 0 47 | 19 27 | 0 9 | 17 51 | 2 33 | 19 13 | 0 3 | 9 11 | 2 6 | 35 27 | 11 42 | 3 24 | 2 53 | 24 59 | | n.a. |
| T 6 | 12 8 | 15 23 | 3 22 | 4 8 | 1 39 | 17 0 | 1 26 | 11 24 | 0 46 | 19 28 | 0 9 | 17 52 | 2 33 | 19 14 | 0 3 | 9 11 | 2 6 | 35 27 | 11 42 | 3 23 | 2 55 | 25 1 | | n.a. |
| F 7 | 11 48 | 20 8 | 4 8 | 3 20 | 1 50 | 16 37 | 1 26 | 11 8 | 0 46 | 19 30 | 0 9 | 17 54 | 2 33 | 19 14 | 0 3 | 9 12 | 2 6 | 35 27 | 11 41 | 3 22 | 2 56 | 25 3 | | n.a. |
| S 8 | 11 27 | 24 3 | 4 42 | 2 33 | 2 0 | 16 13 | 1 26 | 10 51 | 0 45 | 19 31 | 0 9 | 17 55 | 2 33 | 19 14 | 0 3 | 9 13 | 2 6 | 35 27 | 11 41 | 3 22 | 2 57 | 25 4 | | n.a. |
| S 9 | 11 6 | 26 58 | 5 5 | 1 49 | 2 9 | 15 49 | 1 26 | 10 34 | 0 45 | 19 33 | 0 9 | 17 56 | 2 33 | 19 14 | 0 3 | 9 13 | 2 6 | 35 27 | 11 41 | 3 22 | 2 59 | 25 6 | | n.a. |
| M10 | 10 44 | 28 42 | 5 15 | 1 7 | 2 18 | 15 24 | 1 26 | 10 18 | 0 44 | 19 34 | 0 9 | 17 58 | 2 33 | 19 15 | 0 3 | 9 14 | 2 6 | 35 26 | 11 41 | 3 22 | 3 0 | 25 8 | | n.a. |
| T 11 | 10 23 | 29 6 | 5 11 | 0 27 | 2 27 | 14 59 | 1 26 | 10 1 | 0 44 | 19 36 | 0 9 | 17 59 | 2 33 | 19 15 | 0 3 | 9 15 | 2 7 | 35 26 | 11 41 | 3 23 | 3 1 | 25 10 | | n.a. |
| W12 | 10 1 | 28 4 | 4 52 | 0n11 | 2 34 | 14 33 | 1 26 | 9 44 | 0 43 | 19 37 | 0 9 | 18 1 | 2 33 | 19 15 | 0 3 | 9 15 | 2 7 | 35 26 | 11 40 | 3 24 | 3 2 | 25 12 | | n.a. |
| T 13 | 9 40 | 25 37 | 4 20 | 0 45 | 2 41 | 14 7 | 1 25 | 9 27 | 0 43 | 19 39 | 0 9 | 18 2 | 2 33 | 19 16 | 0 3 | 9 16 | 2 7 | 35 26 | 11 40 | 3 25 | 3 4 | 25 14 | | n.a. |
| F 14 | 9 18 | 21 50 | 3 34 | 1 18 | 2 47 | 13 41 | 1 25 | 9 10 | 0 42 | 19 41 | 0 9 | 18 3 | 2 33 | 19 16 | 0 3 | 9 16 | 2 7 | 35 26 | 11 40 | 3 26 | 3 5 | 25 15 | | n.a. |
| S 15 | 8 56 | 16 54 | 2 36 | 1 47 | 2 53 | 13 15 | 1 25 | 8 53 | 0 42 | 19 43 | 0 10 | 18 4 | 2 33 | 19 16 | 0 3 | 9 17 | 2 7 | 35 25 | 11 40 | 3 27 | 3 6 | 25 17 | | n.a. |
| S 16 | 8 34 | 11 4 | 1 27 | 2 14 | 2 57 | 12 48 | 1 24 | 8 36 | 0 41 | 19 44 | 0 10 | 18 6 | 2 33 | 19 17 | 0 3 | 9 18 | 2 7 | 35 25 | 11 39 | 3 27 | 3 8 | 25 19 | | n.a. |
| M17 | 8 12 | 4 35 | 0 13 | 2 38 | 3 1 | 12 20 | 1 24 | 8 19 | 0 41 | 19 46 | 0 10 | 18 7 | 2 33 | 19 17 | 0 3 | 9 18 | 2 7 | 35 25 | 11 39 | 3 27 | 3 9 | 25 21 | | n.a. |
| T 18 | 7 50 | 2s13 | 1s 4 | 2 59 | 3 3 | 11 53 | 1 23 | 8 2 | 0 40 | 19 48 | 0 10 | 18 8 | 2 33 | 19 17 | 0 3 | 9 19 | 2 7 | 35 25 | 11 39 | 3 27 | 3 10 | 25 23 | | n.a. |
| W19 | 7 27 | 9 0 | 2 18 | 3 17 | 3 4 | 11 25 | 1 23 | 7 45 | 0 40 | 19 50 | 0 10 | 18 9 | 2 33 | 19 18 | 0 3 | 9 20 | 2 7 | 35 25 | 11 39 | 3 27 | 3 11 | 25 24 | | n.a. |
| T 20 | 7 5 | 15 23 | 3 24 | 3 31 | 3 5 | 10 57 | 1 22 | 7 27 | 0 39 | 19 52 | 0 10 | 18 11 | 2 33 | 19 18 | 0 3 | 9 20 | 2 7 | 35 24 | 11 38 | 3 27 | 3 13 | 25 26 | | n.a. |
| F 21 | 6 42 | 20 59 | 4 17 | 3 43 | 3 4 | 10 28 | 1 21 | 7 10 | 0 39 | 19 53 | 0 10 | 18 12 | 2 32 | 19 19 | 0 3 | 9 21 | 2 7 | 35 24 | 11 38 | 3 26 | 3 14 | 25 28 | | n.a. |
| S 22 | 6 19 | 25 22 | 4 55 | 3 51 | 3 2 | 9 59 | 1 21 | 6 53 | 0 38 | 19 55 | 0 10 | 18 13 | 2 32 | 19 19 | 0 3 | 9 22 | 2 7 | 35 24 | 11 38 | 3 26 | 3 15 | 25 30 | | n.a. |
| S 23 | 5 57 | 28 11 | 5 14 | 3 57 | 2 59 | 9 30 | 1 20 | 6 35 | 0 38 | 19 57 | 0 10 | 18 14 | 2 32 | 19 20 | 0 3 | 9 22 | 2 7 | 35 24 | 11 38 | 3 26 | 3 17 | 25 31 | | n.a. |
| M24 | 5 34 | 29 9 | 5 14 | 3 59 | 2 55 | 9 1 | 1 19 | 6 18 | 0 37 | 19 59 | 0 10 | 18 15 | 2 32 | 19 20 | 0 3 | 9 23 | 2 7 | 35 23 | 11 37 | 3 26 | 3 18 | 25 33 | | n.a. |
| T 25 | 5 11 | 28 14 | 4 56 | 3 58 | 2 50 | 8 32 | 1 18 | 6 1 | 0 36 | 20 1 | 0 11 | 18 16 | 2 32 | 19 20 | 0 3 | 9 23 | 2 7 | 35 23 | 11 37 | 3 26 | 3 19 | 25 35 | | n.a. |
| W26 | 4 48 | 25 33 | 4 20 | 3 54 | 2 44 | 8 2 | 1 17 | 5 43 | 0 36 | 20 3 | 0 11 | 18 17 | 2 32 | 19 21 | 0 3 | 9 24 | 2 7 | 35 23 | 11 37 | 3 26 | 3 20 | 25 37 | | n.a. |
| T 27 | 4 25 | 21 27 | 3 30 | 3 46 | 2 36 | 7 32 | 1 16 | 5 26 | 0 35 | 20 5 | 0 11 | 18 18 | 2 32 | 19 21 | 0 3 | 9 25 | 2 7 | 35 23 | 11 37 | 3 26 | 3 22 | 25 38 | | n.a. |
| F 28 | 4 2 | 16 17 | 2 29 | 3 36 | 2 27 | 7 2 | 1 15 | 5 8 | 0 35 | 20 7 | 0 11 | 18 19 | 2 32 | 19 22 | 0 3 | 9 25 | 2 7 | 35 22 | 11 36 | 3 26 | 3 23 | 25 40 | | n.a. |
| S 29 | 3 39 | 10 27 | 1 21 | 3 22 | 2 17 | 6 32 | 1 14 | 4 51 | 0 34 | 20 9 | 0 11 | 18 20 | 2 32 | 19 22 | 0 3 | 9 26 | 2 7 | 35 22 | 11 36 | 3 27 | 3 24 | 25 42 | | n.a. |
| S 30 | 3 16 | 4 17 | 0 10 | 3 6 | 2 6 | 6 1 | 1 12 | 4 33 | 0 34 | 20 11 | 0 11 | 18 21 | 2 32 | 19 23 | 0 3 | 9 27 | 2 7 | 35 22 | 11 36 | 3 27 | 3 25 | 25 44 | | n.a. |
| M31 | 2s52 | 1n57 | 1n 1 | 2n47 | 1n54 | 5s31 | 1s11 | 4s16 | 0s33 | 20n14 | 0n11 | 18n22 | 2n32 | 19n24 | 0n 3 | 9n27 | 2n 7 | 35n22 | 11n36 | 3s27 | 3s27 | 25n45 | | n.a. |

Julian Day Number = 992443.5, Delta T = 13h00m51s
Ecliptic obliquity = 23°55'35, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'22, Lahiri = -31°28'21 Julian Calendar 1 March 1996 BCE == Greg. Calendar 12 Feb. 1996 BCE

The year -1995 astronomical counting style corresponds to year 1996 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## APRIL 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 29 54 | 23♓51'20 | 15♈ 2 | 2°R14 | 20♓15 | 21♓24 | 27♉50 | 17°R14 | 24♉48 | 11°R11 | 6°R 7 | 21°R29 | 21♓25 | 2♊13 | n.a. | T 1 |
| W 2 | 11 33 50 | 24°48'54 | 27°20 | 1♈48 | 21°29 | 22° 7 | 27°59 | 17♌10 | 24°50 | 11♍ 9 | 6♋ 7 | 21♓29 | 21°22 | 2°20 | n.a. | W 2 |
| T 3 | 11 37 47 | 25°46'26 | 9♉27 | 1°19 | 22°43 | 22°49 | 28° 8 | 17° 7 | 24°53 | 11° 7 | 6° 7 | 21°28 | 21°19 | 2°26 | n.a. | T 3 |
| F 4 | 11 41 43 | 26°43'57 | 21°26 | 0°48 | 23°57 | 23°31 | 28°18 | 17° 4 | 24°55 | 11° 6 | 6°D 7 | 21°28 | 21°16 | 2°33 | n.a. | F 4 |
| S 5 | 11 45 40 | 27°41'26 | 3♊19 | 0°15 | 25°10 | 24°13 | 28°27 | 17° 1 | 24°57 | 11° 4 | 6° 7 | 21°27 | 21°13 | 2°40 | n.a. | S 5 |
| S 6 | 11 49 36 | 28°38'54 | 15°12 | 29♓41 | 26°24 | 24°55 | 28°36 | 16°59 | 25° 0 | 11° 3 | 6° 7 | 21°26 | 21°10 | 2°46 | n.a. | S 6 |
| M 7 | 11 53 33 | 29°36'20 | 27° 8 | 29° 7 | 27°38 | 25°37 | 28°46 | 16°56 | 25° 2 | 11° 1 | 6° 7 | 21°D26 | 21° 6 | 2°53 | n.a. | M 7 |
| T 8 | 11 57 30 | 0♈33'45 | 9♋11 | 28°32 | 28°51 | 26°19 | 28°55 | 16°53 | 25° 5 | 11° 0 | 6° 7 | 21°26 | 21° 3 | 3° 0 | n.a. | T 8 |
| W 9 | 12 1 26 | 1°31'08 | 21°27 | 27°58 | 0♈ 5 | 27° 1 | 29° 5 | 16°51 | 25° 7 | 10°58 | 6° 7 | 21°27 | 21° 0 | 3° 7 | n.a. | W 9 |
| T 10 | 12 5 23 | 2°28'30 | 3♌59 | 27°25 | 1°19 | 27°43 | 29°15 | 16°48 | 25° 9 | 10°57 | 6° 7 | 21°28 | 20°57 | 3°13 | n.a. | T 10 |
| F 11 | 12 9 19 | 3°25'51 | 16°51 | 26°54 | 2°32 | 28°25 | 29°24 | 16°46 | 25°12 | 10°55 | 6° 7 | 21°29 | 20°54 | 3°20 | n.a. | F 11 |
| S 12 | 12 13 16 | 4°23'10 | 0♍ 6 | 26°25 | 3°46 | 29° 7 | 29°34 | 16°43 | 25°15 | 10°54 | 6° 7 | 21°30 | 20°51 | 3°27 | n.a. | S 12 |
| S 13 | 12 17 12 | 5°20'28 | 13°44 | 25°59 | 4°59 | 29°49 | 29°44 | 16°41 | 25°17 | 10°52 | 6° 8 | 21°30 | 20°47 | 3°33 | n.a. | S 13 |
| M14 | 12 21 9 | 6°17'44 | 27°44 | 25°36 | 6°13 | 0♈30 | 29°55 | 16°39 | 25°20 | 10°51 | 6° 8 | 21°R30 | 20°44 | 3°40 | n.a. | M14 |
| T 15 | 12 25 5 | 7°15'00 | 12♎ 4 | 25°16 | 7°27 | 1°12 | 0♊ 5 | 16°37 | 25°23 | 10°49 | 6° 8 | 21°30 | 20°41 | 3°47 | n.a. | T 15 |
| W16 | 12 29 2 | 8°12'15 | 26°38 | 25° 1 | 8°40 | 1°54 | 0°15 | 16°35 | 25°25 | 10°48 | 6° 9 | 21°28 | 20°38 | 3°54 | n.a. | W16 |
| T 17 | 12 32 59 | 9° 9'28 | 11♏21 | 24°49 | 9°54 | 2°35 | 0°25 | 16°33 | 25°28 | 10°47 | 6° 9 | 21°26 | 20°35 | 4° 0 | n.a. | T 17 |
| F 18 | 12 36 55 | 10° 6'42 | 26° 4 | 24°41 | 11° 8 | 3°17 | 0°36 | 16°31 | 25°31 | 10°45 | 6° 9 | 21°24 | 20°31 | 4° 7 | n.a. | F 18 |
| S 19 | 12 40 52 | 11° 3'54 | 10♐42 | 24°D38 | 12°21 | 3°58 | 0°46 | 16°29 | 25°34 | 10°44 | 6°10 | 21°22 | 20°28 | 4°14 | n.a. | S 19 |
| S 20 | 12 44 48 | 12° 1'06 | 25° 9 | 24°39 | 13°35 | 4°39 | 0°57 | 16°28 | 25°37 | 10°43 | 6°10 | 21°20 | 20°25 | 4°21 | n.a. | S 20 |
| M21 | 12 48 45 | 12°58'18 | 9♑21 | 24°45 | 14°49 | 5°21 | 1° 8 | 16°26 | 25°39 | 10°41 | 6°11 | 21°D19 | 20°22 | 4°27 | n.a. | M21 |
| T 22 | 12 52 41 | 13°55'29 | 23°16 | 24°55 | 16° 2 | 6° 2 | 1°19 | 16°25 | 25°42 | 10°40 | 6°11 | 21°20 | 20°19 | 4°34 | n.a. | T 22 |
| W23 | 12 56 38 | 14°52'39 | 6♒54 | 25°10 | 17°16 | 6°43 | 1°30 | 16°23 | 25°45 | 10°39 | 6°12 | 21°21 | 20°16 | 4°41 | n.a. | W23 |
| T 24 | 13 0 35 | 15°49'49 | 20°16 | 25°29 | 18°30 | 7°25 | 1°41 | 16°22 | 25°48 | 10°37 | 6°12 | 21°22 | 20°12 | 4°47 | n.a. | T 24 |
| F 25 | 13 4 31 | 16°46'59 | 3♓22 | 25°53 | 19°43 | 8° 6 | 1°52 | 16°21 | 25°51 | 10°36 | 6°13 | 21°23 | 20° 9 | 4°54 | n.a. | F 25 |
| S 26 | 13 8 28 | 17°44'08 | 16°13 | 26°21 | 20°57 | 8°47 | 2° 3 | 16°20 | 25°54 | 10°35 | 6°14 | 21°R24 | 20° 6 | 5° 1 | n.a. | S 26 |
| S 27 | 13 12 24 | 18°41'16 | 28°53 | 26°53 | 22°10 | 9°28 | 2°14 | 16°19 | 25°57 | 10°34 | 6°14 | 21°24 | 20° 3 | 5° 8 | n.a. | S 27 |
| M28 | 13 16 21 | 19°38'24 | 11♈20 | 27°29 | 23°24 | 10° 9 | 2°25 | 16°18 | 26° 1 | 10°32 | 6°15 | 21°23 | 20° 0 | 5°14 | n.a. | M28 |
| T 29 | 13 20 17 | 20°35'32 | 23°38 | 28°10 | 24°38 | 10°50 | 2°36 | 16°17 | 26° 4 | 10°31 | 6°16 | 21°20 | 19°57 | 5°21 | n.a. | T 29 |
| W30 | 13 24 14 | 21♈32'39 | 5♉46 | 28♓55 | 25♈51 | 11♈31 | 2♊48 | 16♌16 | 26♉ 7 | 10♍30 | 6♋16 | 21♓16 | 19♓53 | 5♊28 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s29 | 7n59 | 2n 7 | 2n26 | 1n40 | 5s 0 | 1s10 | 3s58 | 0s33 | 20n16 | 0n11 | 18n23 | 2n31 | 19n24 | 0n 3 | 9n28 | 2n 7 | 35n21 | 11n35 | 3s27 | 3s28 | 25n47 | | n.a. |
| W 2 | 2 6 | 13 37 | 3 6 | 2 3 | 1 26 | 4 29 | 1 8 | 3 41 | 0 32 | 20 18 | 0 11 | 18 24 | 2 31 | 19 25 | 0 3 | 9 28 | 2 7 | 35 21 | 11 35 | 3 27 | 3 29 | 25 49 | | n.a. |
| T 3 | 1 43 | 18 38 | 3 55 | 1 37 | 1 11 | 3 58 | 1 7 | 3 23 | 0 32 | 20 20 | 0 11 | 18 25 | 2 31 | 19 25 | 0 3 | 9 29 | 2 7 | 35 21 | 11 35 | 3 27 | 3 31 | 25 50 | | n.a. |
| F 4 | 1 19 | 22 53 | 4 34 | 1 10 | 0 56 | 3 27 | 1 5 | 3 6 | 0 31 | 20 22 | 0 11 | 18 26 | 2 31 | 19 26 | 0 3 | 9 30 | 2 7 | 35 21 | 11 35 | 3 27 | 3 32 | 25 52 | | n.a. |
| S 5 | 0 56 | 26 10 | 5 1 | 0 42 | 0 39 | 2 56 | 1 4 | 2 48 | 0 31 | 20 24 | 0 12 | 18 26 | 2 31 | 19 26 | 0 3 | 9 30 | 2 7 | 35 20 | 11 34 | 3 27 | 3 33 | 25 54 | | n.a. |
| S 6 | 0 33 | 28 18 | 5 15 | 0 13 | 0 23 | 2 25 | 1 2 | 2 31 | 0 30 | 20 27 | 0 12 | 18 27 | 2 31 | 19 27 | 0 3 | 9 31 | 2 6 | 35 20 | 11 34 | 3 28 | 3 34 | 25 55 | | n.a. |
| M 7 | 0 10 | 29 8 | 5 15 | 0s16 | 0 6 | 1 53 | 1 1 | 2 13 | 0 29 | 20 29 | 0 12 | 18 28 | 2 31 | 19 28 | 0 3 | 9 31 | 2 6 | 35 20 | 11 34 | 3 28 | 3 36 | 25 57 | | n.a. |
| T 8 | 0n14 | 28 37 | 5 1 | 0 46 | 0s11 | 1 22 | 0 59 | 1 56 | 0 29 | 20 31 | 0 12 | 18 29 | 2 31 | 19 28 | 0 3 | 9 32 | 2 6 | 35 20 | 11 34 | 3 28 | 3 37 | 25 59 | | n.a. |
| W 9 | 0 37 | 26 41 | 4 34 | 1 15 | 0 28 | 0 50 | 0 57 | 1 38 | 0 28 | 20 33 | 0 12 | 18 29 | 2 30 | 19 29 | 0 3 | 9 32 | 2 6 | 35 19 | 11 33 | 3 27 | 3 38 | 26 0 | | n.a. |
| T 10 | 1 0 | 23 25 | 3 53 | 1 43 | 0 44 | 0 19 | 0 56 | 1 21 | 0 28 | 20 35 | 0 12 | 18 30 | 2 30 | 19 29 | 0 3 | 9 33 | 2 6 | 35 19 | 11 33 | 3 27 | 3 39 | 26 2 | | n.a. |
| F 11 | 1 23 | 18 57 | 3 0 | 2 11 | 1 1 | 0n12 | 0 54 | 1 3 | 0 27 | 20 38 | 0 12 | 18 31 | 2 30 | 19 30 | 0 3 | 9 34 | 2 6 | 35 19 | 11 33 | 3 27 | 3 41 | 26 3 | | n.a. |
| S 12 | 1 47 | 13 28 | 1 56 | 2 37 | 1 17 | 0 44 | 0 52 | 0 46 | 0 27 | 20 40 | 0 12 | 18 31 | 2 30 | 19 31 | 0 3 | 9 34 | 2 6 | 35 18 | 11 32 | 3 26 | 3 42 | 26 5 | | n.a. |
| S 13 | 2 10 | 7 11 | 0 43 | 3 2 | 1 32 | 1 15 | 0 50 | 0 28 | 0 26 | 20 42 | 0 12 | 18 32 | 2 30 | 19 31 | 0 3 | 9 35 | 2 6 | 35 18 | 11 32 | 3 26 | 3 43 | 26 7 | | n.a. |
| M14 | 2 33 | 0 24 | 0s34 | 3 24 | 1 46 | 1 47 | 0 48 | 0 11 | 0 26 | 20 45 | 0 12 | 18 32 | 2 30 | 19 32 | 0 3 | 9 35 | 2 6 | 35 18 | 11 32 | 3 26 | 3 45 | 26 8 | | n.a. |
| T 15 | 2 56 | 6s34 | 1 51 | 3 45 | 2 0 | 2 18 | 0 46 | 0n 6 | 0 25 | 20 47 | 0 12 | 18 33 | 2 29 | 19 33 | 0 3 | 9 36 | 2 6 | 35 18 | 11 32 | 3 26 | 3 46 | 26 10 | | n.a. |
| W16 | 3 19 | 13 18 | 3 2 | 4 3 | 2 13 | 2 50 | 0 44 | 0 24 | 0 24 | 20 49 | 0 12 | 18 33 | 2 29 | 19 33 | 0 3 | 9 36 | 2 6 | 35 17 | 11 31 | 3 27 | 3 47 | 26 11 | | n.a. |
| T 17 | 3 42 | 19 21 | 4 1 | 4 18 | 2 24 | 3 21 | 0 42 | 0 41 | 0 24 | 20 52 | 0 13 | 18 34 | 2 29 | 19 34 | 0 3 | 9 37 | 2 6 | 35 17 | 11 31 | 3 28 | 3 48 | 26 13 | | n.a. |
| F 18 | 4 5 | 24 16 | 4 45 | 4 31 | 2 35 | 3 52 | 0 40 | 0 58 | 0 23 | 20 54 | 0 13 | 18 34 | 2 29 | 19 35 | 0 3 | 9 37 | 2 6 | 35 17 | 11 31 | 3 29 | 3 50 | 26 15 | | n.a. |
| S 19 | 4 28 | 27 36 | 5 9 | 4 41 | 2 45 | 4 24 | 0 38 | 1 16 | 0 23 | 20 56 | 0 13 | 18 34 | 2 29 | 19 35 | 0 3 | 9 38 | 2 6 | 35 16 | 11 31 | 3 30 | 3 51 | 26 16 | | n.a. |
| S 20 | 4 51 | 29 4 | 5 14 | 4 49 | 2 54 | 4 55 | 0 36 | 1 33 | 0 22 | 20 59 | 0 13 | 18 35 | 2 29 | 19 36 | 0 3 | 9 38 | 2 6 | 35 16 | 11 30 | 3 30 | 3 52 | 26 18 | | n.a. |
| M21 | 5 13 | 28 34 | 4 59 | 4 54 | 3 1 | 5 26 | 0 34 | 1 50 | 0 22 | 21 1 | 0 13 | 18 35 | 2 28 | 19 37 | 0 3 | 9 39 | 2 6 | 35 16 | 11 30 | 3 30 | 3 54 | 26 19 | | n.a. |
| T 22 | 5 36 | 26 16 | 4 27 | 4 56 | 3 8 | 5 57 | 0 32 | 2 7 | 0 21 | 21 3 | 0 13 | 18 35 | 2 28 | 19 38 | 0 3 | 9 39 | 2 6 | 35 16 | 11 30 | 3 30 | 3 55 | 26 21 | | n.a. |
| W23 | 5 59 | 22 28 | 3 41 | 4 55 | 3 14 | 6 28 | 0 30 | 2 25 | 0 20 | 21 6 | 0 13 | 18 36 | 2 28 | 19 38 | 0 3 | 9 40 | 2 6 | 35 15 | 11 29 | 3 30 | 3 56 | 26 22 | | n.a. |
| T 24 | 6 21 | 17 36 | 2 43 | 4 51 | 3 18 | 6 58 | 0 27 | 2 42 | 0 20 | 21 8 | 0 13 | 18 36 | 2 28 | 19 39 | 0 3 | 9 40 | 2 6 | 35 15 | 11 29 | 3 29 | 3 57 | 26 24 | | n.a. |
| F 25 | 6 43 | 11 59 | 1 37 | 4 45 | 3 22 | 7 29 | 0 25 | 2 59 | 0 19 | 21 10 | 0 13 | 18 36 | 2 28 | 19 40 | 0 3 | 9 41 | 2 6 | 35 15 | 11 29 | 3 29 | 3 59 | 26 25 | | n.a. |
| S 26 | 7 6 | 5 59 | 0 28 | 4 36 | 3 24 | 7 59 | 0 23 | 3 16 | 0 19 | 21 13 | 0 13 | 18 36 | 2 28 | 19 40 | 0 3 | 9 41 | 2 6 | 35 14 | 11 29 | 3 28 | 4 0 | 26 27 | | n.a. |
| S 27 | 7 28 | 0n10 | 0n41 | 4 24 | 3 26 | 8 29 | 0 21 | 3 33 | 0 18 | 21 15 | 0 13 | 18 36 | 2 27 | 19 41 | 0 3 | 9 41 | 2 6 | 35 14 | 11 28 | 3 29 | 4 1 | 26 28 | | n.a. |
| M28 | 7 50 | 6 12 | 1 47 | 4 10 | 3 27 | 8 59 | 0 18 | 3 50 | 0 18 | 21 17 | 0 14 | 18 36 | 2 27 | 19 42 | 0 3 | 9 42 | 2 6 | 35 14 | 11 28 | 3 29 | 4 2 | 26 30 | | n.a. |
| T 29 | 8 12 | 11 56 | 2 47 | 3 53 | 3 26 | 9 29 | 0 16 | 4 7 | 0 17 | 21 20 | 0 14 | 18 36 | 2 27 | 19 43 | 0 3 | 9 42 | 2 6 | 35 14 | 11 28 | 3 30 | 4 4 | 26 31 | | n.a. |
| W30 | 8n34 | 17n 9 | 3n39 | 3s34 | 3s25 | 9n59 | 0s14 | 4n24 | 0s16 | 21n22 | 0n14 | 18n36 | 2n27 | 19n43 | 0n 3 | 9n43 | 2n 6 | 35n13 | 11n28 | 3s32 | 4s 5 | 26n33 | | n.a. |

Julian Day Number = 992474.5, Delta T = 13h00m49s
Ecliptic obliquity = 23°55'35, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'18, Lahiri = -31°28'17 Julian Calendar 1 Apr. 1996 BCE == Greg. Calendar 15 March 1996 BCE


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## MAY 1996 BCE (-1995) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 28 10 | 22♈29'45 | 17♉48 | 29♓44 | 27♈ 5 | 12♈12 | 2♊59 | 16°R16 | 26♉10 | 10°R29 | 6♋17 | 21°R11 | 19♓50 | 5♊34 | n.a. | T 1 |
| F 2 | 13 32 7 | 23°26'51 | 29°43 | 0♈36 | 28°19 | 12°53 | 3°11 | 16♌15 | 26°13 | 10♍28 | 6°18 | 21♓ 5 | 19°47 | 5°41 | n.a. | F 2 |
| S 3 | 13 36 4 | 24°23'57 | 11♊35 | 1°33 | 29°32 | 13°33 | 3°22 | 16°15 | 26°16 | 10°27 | 6°19 | 21° 0 | 19°44 | 5°48 | n.a. | S 3 |
| S 4 | 13 40 0 | 25°21'02 | 23°27 | 2°33 | 0♉46 | 14°14 | 3°34 | 16°15 | 26°20 | 10°26 | 6°20 | 20°55 | 19°41 | 5°55 | n.a. | S 4 |
| M 5 | 13 43 57 | 26°18'06 | 5♋22 | 3°37 | 2° 0 | 14°55 | 3°46 | 16°14 | 26°23 | 10°25 | 6°20 | 20°51 | 19°37 | 6° 1 | n.a. | M 5 |
| T 6 | 13 47 53 | 27°15'10 | 17°24 | 4°44 | 3°13 | 15°36 | 3°58 | 16°14 | 26°26 | 10°24 | 6°21 | 20°49 | 19°34 | 6° 8 | n.a. | T 6 |
| W 7 | 13 51 50 | 28°12'13 | 29°37 | 5°55 | 4°27 | 16°16 | 4° 9 | 16°D14 | 26°30 | 10°23 | 6°22 | 20°D49 | 19°31 | 6°15 | n.a. | W 7 |
| T 8 | 13 55 46 | 29° 9'16 | 12♌ 6 | 7°10 | 5°41 | 16°57 | 4°21 | 16°14 | 26°33 | 10°22 | 6°23 | 20°50 | 19°28 | 6°21 | n.a. | T 8 |
| F 9 | 13 59 43 | 0♉ 6'18 | 24°56 | 8°28 | 6°54 | 17°37 | 4°33 | 16°15 | 26°36 | 10°21 | 6°24 | 20°51 | 19°25 | 6°28 | n.a. | F 9 |
| S 10 | 14 3 40 | 1° 3'20 | 8♍ 9 | 9°49 | 8° 8 | 18°18 | 4°45 | 16°15 | 26°40 | 10°20 | 6°25 | 20°52 | 19°22 | 6°35 | n.a. | S 10 |
| S 11 | 14 7 36 | 2° 0'21 | 21°50 | 11°14 | 9°22 | 18°58 | 4°57 | 16°15 | 26°43 | 10°19 | 6°26 | 20°R53 | 19°18 | 6°42 | n.a. | S 11 |
| M12 | 14 11 33 | 2°57'22 | 5♎57 | 12°43 | 10°35 | 19°39 | 5° 9 | 16°16 | 26°47 | 10°18 | 6°27 | 20°52 | 19°15 | 6°48 | n.a. | M12 |
| T 13 | 14 15 29 | 3°54'23 | 20°30 | 14°14 | 11°49 | 20°19 | 5°22 | 16°16 | 26°50 | 10°18 | 6°28 | 20°49 | 19°12 | 6°55 | n.a. | T 13 |
| W14 | 14 19 26 | 4°51'24 | 5♏22 | 15°49 | 13° 3 | 20°59 | 5°34 | 16°17 | 26°53 | 10°17 | 6°29 | 20°45 | 19° 9 | 7° 2 | n.a. | W14 |
| T 15 | 14 23 22 | 5°48'24 | 20°27 | 17°27 | 14°16 | 21°40 | 5°46 | 16°18 | 26°57 | 10°16 | 6°31 | 20°39 | 19° 6 | 7° 9 | n.a. | T 15 |
| F 16 | 14 27 19 | 6°45'25 | 5♐34 | 19° 8 | 15°30 | 22°20 | 5°58 | 16°19 | 27° 0 | 10°15 | 6°32 | 20°32 | 19° 2 | 7°15 | n.a. | F 16 |
| S 17 | 14 31 15 | 7°42'27 | 20°33 | 20°53 | 16°44 | 23° 0 | 6°11 | 16°20 | 27° 4 | 10°15 | 6°33 | 20°25 | 18°59 | 7°22 | n.a. | S 17 |
| S 18 | 14 35 12 | 8°39'28 | 5♑17 | 22°40 | 17°57 | 23°40 | 6°23 | 16°21 | 27° 7 | 10°14 | 6°34 | 20°20 | 18°56 | 7°29 | n.a. | S 18 |
| M19 | 14 39 9 | 9°36'30 | 19°40 | 24°30 | 19°11 | 24°20 | 6°36 | 16°22 | 27°11 | 10°13 | 6°35 | 20°17 | 18°53 | 7°35 | n.a. | M19 |
| T 20 | 14 43 5 | 10°33'33 | 3♒38 | 26°23 | 20°25 | 25° 0 | 6°48 | 16°23 | 27°15 | 10°13 | 6°37 | 20°15 | 18°50 | 7°42 | n.a. | T 20 |
| W21 | 14 47 2 | 11°30'36 | 17°13 | 28°19 | 21°38 | 25°40 | 7° 1 | 16°24 | 27°18 | 10°12 | 6°38 | 20°D15 | 18°47 | 7°49 | n.a. | W21 |
| T 22 | 14 50 58 | 12°27'39 | 0♓25 | 0♉17 | 22°52 | 26°20 | 7°13 | 16°26 | 27°22 | 10°12 | 6°39 | 20°16 | 18°43 | 7°56 | n.a. | T 22 |
| F 23 | 14 54 55 | 13°24'43 | 13°17 | 2°18 | 24° 6 | 27° 0 | 7°26 | 16°27 | 27°25 | 10°11 | 6°40 | 20°17 | 18°40 | 8° 2 | n.a. | F 23 |
| S 24 | 14 58 51 | 14°21'47 | 25°54 | 4°20 | 25°19 | 27°40 | 7°38 | 16°29 | 27°29 | 10°10 | 6°42 | 20°R17 | 18°37 | 8° 9 | n.a. | S 24 |
| S 25 | 15 2 48 | 15°18'52 | 8♈17 | 6°24 | 26°33 | 28°20 | 7°51 | 16°31 | 27°32 | 10°10 | 6°43 | 20°15 | 18°34 | 8°16 | n.a. | S 25 |
| M26 | 15 6 45 | 16°15'58 | 20°31 | 8°30 | 27°47 | 29° 0 | 8° 4 | 16°32 | 27°36 | 10°10 | 6°45 | 20°11 | 18°31 | 8°22 | n.a. | M26 |
| T 27 | 15 10 41 | 17°13'04 | 2♉36 | 10°37 | 29° 0 | 29°40 | 8°17 | 16°34 | 27°40 | 10° 9 | 6°46 | 20° 5 | 18°28 | 8°29 | n.a. | T 27 |
| W28 | 15 14 38 | 18°10'10 | 14°36 | 12°44 | 0♊14 | 0♉19 | 8°29 | 16°36 | 27°43 | 10° 9 | 6°47 | 19°56 | 18°24 | 8°36 | n.a. | W28 |
| T 29 | 15 18 34 | 19° 7'17 | 26°32 | 14°53 | 1°28 | 0°59 | 8°42 | 16°39 | 27°47 | 10° 8 | 6°49 | 19°46 | 18°21 | 8°43 | n.a. | T 29 |
| F 30 | 15 22 31 | 20° 4'25 | 8♊24 | 17° 1 | 2°41 | 1°39 | 8°55 | 16°41 | 27°51 | 10° 8 | 6°50 | 19°34 | 18°18 | 8°49 | n.a. | F 30 |
| S 31 | 15 26 27 | 21♉ 1'33 | 20♊16 | 19♉10 | 3♊55 | 2♉18 | 9♊ 8 | 16♌43 | 27♉54 | 10♍ 8 | 6♋52 | 19♓23 | 18♓15 | 8♊56 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8n56 | 21n38 | 4n20 | 3s12 | 3s23 | 10n28 | 0s11 | 4n40 | 0s16 | 21n24 | 0n14 | 18n36 | 2n27 | 19n44 | 0n 3 | 9n43 | 2n 6 | 35n13 | 11n27 | 3s34 | 4s 6 | 26n34 | | n.a. |
| F 2 | 9 17 | 25 13 | 4 50 | 2 49 | 3 20 | 10 57 | 0 9 | 4 57 | 0 15 | 21 27 | 0 14 | 18 36 | 2 26 | 19 45 | 0 3 | 9 43 | 2 6 | 35 13 | 11 27 | 3 36 | 4 8 | 26 36 | | n.a. |
| S 3 | 9 39 | 27 42 | 5 7 | 2 22 | 3 17 | 11 26 | 0 7 | 5 14 | 0 15 | 21 29 | 0 14 | 18 36 | 2 26 | 19 46 | 0 3 | 9 44 | 2 6 | 35 12 | 11 27 | 3 38 | 4 9 | 26 37 | | n.a. |
| S 4 | 10 0 | 28 56 | 5 11 | 1 54 | 3 13 | 11 55 | 0 4 | 5 31 | 0 14 | 21 32 | 0 14 | 18 36 | 2 26 | 19 47 | 0 3 | 9 44 | 2 6 | 35 12 | 11 27 | 3 40 | 4 10 | 26 39 | | n.a. |
| M 5 | 10 21 | 28 50 | 5 1 | 1 24 | 3 8 | 12 23 | 0 2 | 5 47 | 0 13 | 21 34 | 0 14 | 18 36 | 2 26 | 19 47 | 0 3 | 9 45 | 2 6 | 35 12 | 11 26 | 3 42 | 4 11 | 26 40 | | n.a. |
| T 6 | 10 42 | 27 22 | 4 38 | 0 51 | 3 2 | 12 51 | 0n 1 | 6 4 | 0 13 | 21 36 | 0 14 | 18 36 | 2 26 | 19 48 | 0 3 | 9 45 | 2 5 | 35 11 | 11 26 | 3 43 | 4 13 | 26 42 | | n.a. |
| W 7 | 11 3 | 24 36 | 4 3 | 0 17 | 2 55 | 13 19 | 0 3 | 6 20 | 0 12 | 21 39 | 0 14 | 18 36 | 2 25 | 19 49 | 0 3 | 9 45 | 2 5 | 35 11 | 11 26 | 3 43 | 4 14 | 26 43 | | n.a. |
| T 8 | 11 24 | 20 37 | 3 15 | 0n20 | 2 48 | 13 46 | 0 5 | 6 37 | 0 12 | 21 41 | 0 14 | 18 36 | 2 25 | 19 50 | 0 3 | 9 46 | 2 5 | 35 11 | 11 26 | 3 42 | 4 15 | 26 44 | | n.a. |
| F 9 | 11 44 | 15 37 | 2 16 | 0 58 | 2 41 | 14 13 | 0 8 | 6 53 | 0 11 | 21 43 | 0 15 | 18 35 | 2 25 | 19 51 | 0 3 | 9 46 | 2 5 | 35 11 | 11 25 | 3 42 | 4 16 | 26 46 | | n.a. |
| S 10 | 12 5 | 9 44 | 1 9 | 1 38 | 2 33 | 14 40 | 0 10 | 7 9 | 0 10 | 21 46 | 0 15 | 18 35 | 2 25 | 19 51 | 0 3 | 9 46 | 2 5 | 35 10 | 11 25 | 3 41 | 4 18 | 26 47 | | n.a. |
| S 11 | 12 25 | 3 14 | 0s 5 | 2 20 | 2 24 | 15 6 | 0 12 | 7 25 | 0 10 | 21 48 | 0 15 | 18 35 | 2 25 | 19 52 | 0 3 | 9 46 | 2 5 | 35 10 | 11 25 | 3 41 | 4 19 | 26 49 | | n.a. |
| M12 | 12 45 | 3s39 | 1 21 | 3 3 | 2 15 | 15 32 | 0 15 | 7 42 | 0 9 | 21 50 | 0 15 | 18 34 | 2 24 | 19 53 | 0 3 | 9 47 | 2 5 | 35 10 | 11 25 | 3 42 | 4 20 | 26 50 | | n.a. |
| T 13 | 13 5 | 10 31 | 2 33 | 3 48 | 2 5 | 15 58 | 0 17 | 7 58 | 0 9 | 21 53 | 0 15 | 18 34 | 2 24 | 19 54 | 0 3 | 9 47 | 2 5 | 35 9 | 11 25 | 3 43 | 4 21 | 26 51 | | n.a. |
| W14 | 13 24 | 16 58 | 3 37 | 4 35 | 1 55 | 16 23 | 0 20 | 8 14 | 0 8 | 21 55 | 0 15 | 18 34 | 2 24 | 19 55 | 0 3 | 9 47 | 2 5 | 35 9 | 11 24 | 3 44 | 4 23 | 26 53 | | n.a. |
| T 15 | 13 44 | 22 29 | 4 26 | 5 23 | 1 45 | 16 48 | 0 22 | 8 30 | 0 7 | 21 57 | 0 15 | 18 33 | 2 24 | 19 55 | 0 3 | 9 48 | 2 5 | 35 9 | 11 24 | 3 47 | 4 24 | 26 54 | | n.a. |
| F 16 | 14 3 | 26 32 | 4 57 | 6 12 | 1 34 | 17 12 | 0 24 | 8 45 | 0 7 | 21 59 | 0 15 | 18 33 | 2 24 | 19 56 | 0 3 | 9 48 | 2 5 | 35 9 | 11 24 | 3 50 | 4 25 | 26 56 | | n.a. |
| S 17 | 14 22 | 28 42 | 5 8 | 7 2 | 1 23 | 17 36 | 0 27 | 9 1 | 0 6 | 22 2 | 0 15 | 18 32 | 2 23 | 19 57 | 0 3 | 9 48 | 2 5 | 35 8 | 11 24 | 3 52 | 4 27 | 26 57 | | n.a. |
| S 18 | 14 40 | 28 46 | 4 57 | 7 53 | 1 12 | 17 59 | 0 29 | 9 17 | 0 6 | 22 4 | 0 15 | 18 32 | 2 23 | 19 58 | 0 3 | 9 48 | 2 5 | 35 8 | 11 23 | 3 54 | 4 28 | 26 58 | | n.a. |
| M19 | 14 59 | 26 52 | 4 28 | 8 45 | 1 0 | 18 22 | 0 31 | 9 33 | 0 5 | 22 6 | 0 15 | 18 31 | 2 23 | 19 59 | 0 3 | 9 48 | 2 5 | 35 8 | 11 23 | 3 56 | 4 29 | 27 0 | | n.a. |
| T 20 | 15 17 | 23 21 | 3 44 | 9 38 | 0 49 | 18 45 | 0 33 | 9 48 | 0 4 | 22 8 | 0 15 | 18 31 | 2 23 | 20 0 | 0 3 | 9 49 | 2 5 | 35 7 | 11 23 | 3 56 | 4 30 | 27 1 | | n.a. |
| W21 | 15 35 | 18 39 | 2 48 | 10 31 | 0 37 | 19 7 | 0 36 | 10 4 | 0 4 | 22 11 | 0 16 | 18 30 | 2 23 | 20 1 | 0 3 | 9 49 | 2 5 | 35 7 | 11 23 | 3 56 | 4 32 | 27 2 | | n.a. |
| T 22 | 15 53 | 13 11 | 1 45 | 11 24 | 0 26 | 19 28 | 0 38 | 10 19 | 0 3 | 22 13 | 0 16 | 18 29 | 2 22 | 20 1 | 0 3 | 9 49 | 2 5 | 35 7 | 11 23 | 3 56 | 4 33 | 27 4 | | n.a. |
| F 23 | 16 11 | 7 16 | 0 37 | 12 17 | 0 14 | 19 49 | 0 40 | 10 34 | 0 3 | 22 15 | 0 16 | 18 29 | 2 22 | 20 2 | 0 3 | 9 49 | 2 5 | 35 7 | 11 22 | 3 56 | 4 34 | 27 5 | | n.a. |
| S 24 | 16 28 | 1 12 | 0n30 | 13 10 | 0 3 | 20 10 | 0 42 | 10 49 | 0 2 | 22 17 | 0 16 | 18 28 | 2 22 | 20 3 | 0 3 | 9 49 | 2 5 | 35 6 | 11 22 | 3 56 | 4 35 | 27 6 | | n.a. |
| S 25 | 16 46 | 4n48 | 1 35 | 14 3 | 0n 8 | 20 30 | 0 44 | 11 4 | 0 1 | 22 20 | 0 16 | 18 27 | 2 22 | 20 4 | 0 3 | 9 49 | 2 4 | 35 6 | 11 22 | 3 56 | 4 37 | 27 7 | | n.a. |
| M26 | 17 2 | 10 33 | 2 34 | 14 55 | 0 19 | 20 49 | 0 47 | 11 19 | 0 1 | 22 22 | 0 16 | 18 27 | 2 22 | 20 5 | 0 3 | 9 49 | 2 4 | 35 6 | 11 22 | 3 58 | 4 38 | 27 9 | | n.a. |
| T 27 | 17 19 | 15 50 | 3 26 | 15 46 | 0 29 | 21 8 | 0 49 | 11 34 | 0 0 | 22 24 | 0 16 | 18 26 | 2 21 | 20 6 | 0 3 | 9 50 | 2 4 | 35 6 | 11 22 | 4 0 | 4 39 | 27 10 | | n.a. |
| W28 | 17 35 | 20 29 | 4 8 | 16 36 | 0 39 | 21 26 | 0 51 | 11 49 | 0n 0 | 22 26 | 0 16 | 18 25 | 2 21 | 20 6 | 0 3 | 9 50 | 2 4 | 35 5 | 11 21 | 4 4 | 4 41 | 27 11 | | n.a. |
| T 29 | 17 51 | 24 17 | 4 39 | 17 24 | 0 48 | 21 44 | 0 53 | 12 4 | 0 1 | 22 28 | 0 16 | 18 24 | 2 21 | 20 7 | 0 3 | 9 50 | 2 4 | 35 5 | 11 21 | 4 8 | 4 42 | 27 13 | | n.a. |
| F 30 | 18 7 | 27 2 | 4 57 | 18 10 | 0 57 | 22 1 | 0 55 | 12 19 | 0 2 | 22 30 | 0 16 | 18 23 | 2 21 | 20 8 | 0 3 | 9 50 | 2 4 | 35 5 | 11 21 | 4 13 | 4 43 | 27 14 | | n.a. |
| S 31 | 18n23 | 28n36 | 5n 3 | 18n55 | 1n 5 | 22n17 | 0n57 | 12n33 | 0n 2 | 22n32 | 0n17 | 18n22 | 2n21 | 20n 9 | 0n 3 | 9n50 | 2n 4 | 35n 5 | 11n21 | 4s17 | 4s44 | 27n15 | | n.a. |

Julian Day Number = 992504.5, Delta T = 13h00m47s
Ecliptic obliquity = 23°55'35, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'14, Lahiri = -31°28'13 Julian Calendar 1 May 1996 BCE == Greg. Calendar 14 Apr. 1996 BCE

The year -1995 astronomical counting style corresponds to year 1996 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## JUNE 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 30 24 | 21♉58'42 | 2♋ 8 | 21♉19 | 5♊ 9 | 2♉58 | 9♊21 | 16♌45 | 27♉58 | 10°R 8 | 6♋53 | 19°R13 | 18♓12 | 9♊ 3 | n.a. | S 1 |
| M 2 | 15 34 21 | 22°55'51 | 14° 3 | 23°27 | 6°23 | 3°37 | 9°34 | 16°48 | 28° 2 | 10♍ 7 | 6°55 | 19♓ 5 | 18° 8 | 9°10 | n.a. | M 2 |
| T 3 | 15 38 17 | 23°53'00 | 26° 5 | 25°34 | 7°36 | 4°17 | 9°47 | 16°50 | 28° 5 | 10° 7 | 6°56 | 18°59 | 18° 5 | 9°16 | n.a. | T 3 |
| W 4 | 15 42 14 | 24°50'10 | 8♌17 | 27°40 | 8°50 | 4°56 | 10° 0 | 16°53 | 28° 9 | 10° 7 | 6°58 | 18°55 | 18° 2 | 9°23 | n.a. | W 4 |
| T 5 | 15 46 10 | 25°47'21 | 20°43 | 29°46 | 10° 4 | 5°36 | 10°13 | 16°56 | 28°13 | 10° 7 | 7° 0 | 18°D54 | 17°59 | 9°30 | n.a. | T 5 |
| F 6 | 15 50 7 | 26°44'32 | 3♍28 | 1♊50 | 11°17 | 6°15 | 10°26 | 16°59 | 28°16 | 10° 7 | 7° 1 | 18°54 | 17°56 | 9°36 | n.a. | F 6 |
| S 7 | 15 54 3 | 27°41'43 | 16°36 | 3°53 | 12°31 | 6°54 | 10°39 | 17° 2 | 28°20 | 10° 7 | 7° 3 | 18°R54 | 17°53 | 9°43 | n.a. | S 7 |
| S 8 | 15 58 0 | 28°38'55 | 0♎12 | 5°54 | 13°45 | 7°34 | 10°52 | 17° 5 | 28°24 | 10° 7 | 7° 4 | 18°54 | 17°49 | 9°50 | n.a. | S 8 |
| M 9 | 16 1 56 | 29°36'07 | 14°16 | 7°54 | 14°59 | 8°13 | 11° 5 | 17° 8 | 28°27 | 10°D 7 | 7° 6 | 18°52 | 17°46 | 9°57 | n.a. | M 9 |
| T 10 | 16 5 53 | 0♏33'20 | 28°48 | 9°53 | 16°12 | 8°52 | 11°18 | 17°11 | 28°31 | 10° 7 | 7° 8 | 18°47 | 17°43 | 10° 3 | n.a. | T 10 |
| W11 | 16 9 50 | 1°30'34 | 13♐45 | 11°50 | 17°26 | 9°31 | 11°31 | 17°14 | 28°35 | 10° 7 | 7° 9 | 18°40 | 17°40 | 10°10 | n.a. | W11 |
| T 12 | 16 13 46 | 2°27'49 | 28°58 | 13°45 | 18°40 | 10°10 | 11°44 | 17°17 | 28°38 | 10° 7 | 7°11 | 18°31 | 17°37 | 10°17 | n.a. | T 12 |
| F 13 | 16 17 43 | 3°25'05 | 14♑18 | 15°38 | 19°53 | 10°49 | 11°57 | 17°21 | 28°42 | 10° 7 | 7°13 | 18°21 | 17°34 | 10°24 | n.a. | F 13 |
| S 14 | 16 21 39 | 4°22'22 | 29°33 | 17°30 | 21° 7 | 11°29 | 12°10 | 17°24 | 28°46 | 10° 7 | 7°15 | 18°11 | 17°30 | 10°30 | n.a. | S 14 |
| S 15 | 16 25 36 | 5°19'40 | 14♒31 | 19°21 | 22°21 | 12° 8 | 12°24 | 17°28 | 28°49 | 10° 7 | 7°16 | 18° 2 | 17°27 | 10°37 | n.a. | S 15 |
| M16 | 16 29 32 | 6°16'59 | 29° 7 | 21° 9 | 23°34 | 12°47 | 12°37 | 17°32 | 28°53 | 10° 8 | 7°18 | 17°56 | 17°24 | 10°44 | n.a. | M16 |
| T 17 | 16 33 29 | 7°14'20 | 13♓14 | 22°57 | 24°48 | 13°25 | 12°50 | 17°35 | 28°57 | 10° 8 | 7°20 | 17°52 | 17°21 | 10°50 | n.a. | T 17 |
| W18 | 16 37 26 | 8°11'42 | 26°53 | 24°42 | 26° 2 | 14° 4 | 13° 3 | 17°39 | 29° 0 | 10° 8 | 7°22 | 17°50 | 17°18 | 10°57 | n.a. | W18 |
| T 19 | 16 41 22 | 9° 9'05 | 10♈ 5 | 26°26 | 27°15 | 14°43 | 13°16 | 17°43 | 29° 4 | 10° 8 | 7°23 | 17°50 | 17°14 | 11° 4 | n.a. | T 19 |
| F 20 | 16 45 19 | 10° 6'30 | 22°54 | 28° 8 | 28°29 | 15°22 | 13°30 | 17°47 | 29° 7 | 10° 9 | 7°25 | 17°50 | 17°11 | 11°11 | n.a. | F 20 |
| S 21 | 16 49 15 | 11° 3'56 | 5♈23 | 29°49 | 29°43 | 16° 1 | 13°43 | 17°51 | 29°11 | 10° 9 | 7°27 | 17°49 | 17° 8 | 11°17 | n.a. | S 21 |
| S 22 | 16 53 12 | 12° 1'24 | 17°39 | 1♋28 | 0♋57 | 16°40 | 13°56 | 17°55 | 29°15 | 10°10 | 7°29 | 17°46 | 17° 5 | 11°24 | n.a. | S 22 |
| M23 | 16 57 8 | 12°58'54 | 29°43 | 3° 5 | 2°10 | 17°18 | 14° 9 | 17°59 | 29°18 | 10°10 | 7°31 | 17°41 | 17° 2 | 11°31 | n.a. | M23 |
| T 24 | 17 1 5 | 13°56'25 | 11♉41 | 4°41 | 3°24 | 17°57 | 14°22 | 18° 4 | 29°22 | 10°11 | 7°33 | 17°33 | 16°59 | 11°37 | n.a. | T 24 |
| W25 | 17 5 1 | 14°53'57 | 23°35 | 6°15 | 4°38 | 18°36 | 14°36 | 18° 8 | 29°25 | 10°11 | 7°35 | 17°22 | 16°55 | 11°44 | n.a. | W25 |
| T 26 | 17 8 58 | 15°51'31 | 5♊27 | 7°47 | 5°51 | 19°14 | 14°49 | 18°13 | 29°29 | 10°12 | 7°36 | 17° 9 | 16°52 | 11°51 | n.a. | T 26 |
| F 27 | 17 12 55 | 16°49'06 | 17°19 | 9°18 | 7° 5 | 19°53 | 15° 2 | 18°17 | 29°33 | 10°12 | 7°38 | 16°55 | 16°49 | 11°58 | n.a. | F 27 |
| S 28 | 17 16 51 | 17°46'43 | 29°12 | 10°48 | 8°19 | 20°32 | 15°15 | 18°22 | 29°36 | 10°13 | 7°40 | 16°41 | 16°46 | 12° 4 | n.a. | S 28 |
| S 29 | 17 20 48 | 18°44'21 | 11♋ 8 | 12°16 | 9°32 | 21°10 | 15°29 | 18°26 | 29°40 | 10°13 | 7°42 | 16°28 | 16°43 | 12°11 | n.a. | S 29 |
| M30 | 17 24 44 | 19♊42'01 | 23♋ 8 | 13♋42 | 10♋46 | 21♉49 | 15♊42 | 18♌31 | 29♉43 | 10♍14 | 7♋44 | 16♓17 | 16♓40 | 12♊18 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n38 | 28n50 | 4n55 | 19n38 | 1n13 | 22n33 | 0n59 | 12n48 | 0n 3 | 22n35 | 0n17 | 18n21 | 2n20 | 20n10 | 0n 3 | 9n50 | 2n 4 | 35n 4 | 11n21 | 4s21 | 4s46 | 27n16 | | n.a. |
| M 2 | 18 53 | 27 43 | 4 35 | 20 18 | 1 20 | 22 48 | 1 1 | 13 2 | 0 3 | 22 37 | 0 17 | 18 21 | 2 20 | 20 11 | 0 3 | 9 50 | 2 4 | 35 4 | 11 21 | 4 24 | 4 47 | 27 17 | | n.a. |
| T 3 | 19 7 | 25 19 | 4 2 | 20 56 | 1 27 | 23 3 | 1 2 | 13 16 | 0 4 | 22 39 | 0 17 | 18 20 | 2 20 | 20 11 | 0 3 | 9 50 | 2 4 | 35 4 | 11 20 | 4 27 | 4 48 | 27 19 | | n.a. |
| W 4 | 19 22 | 21 45 | 3 18 | 21 32 | 1 32 | 23 17 | 1 4 | 13 30 | 0 5 | 22 41 | 0 17 | 18 19 | 2 20 | 20 12 | 0 3 | 9 50 | 2 4 | 35 4 | 11 20 | 4 28 | 4 49 | 27 20 | | n.a. |
| T 5 | 19 36 | 17 9 | 2 24 | 22 5 | 1 37 | 23 30 | 1 6 | 13 44 | 0 5 | 22 43 | 0 17 | 18 17 | 2 20 | 20 13 | 0 3 | 9 50 | 2 4 | 35 3 | 11 20 | 4 29 | 4 51 | 27 21 | | n.a. |
| F 6 | 19 49 | 11 42 | 1 21 | 22 36 | 1 41 | 23 42 | 1 8 | 13 58 | 0 6 | 22 45 | 0 17 | 18 16 | 2 19 | 20 14 | 0 3 | 9 50 | 2 4 | 35 3 | 11 20 | 4 29 | 4 52 | 27 22 | | n.a. |
| S 7 | 20 3 | 5 35 | 0 12 | 23 4 | 1 45 | 23 54 | 1 9 | 14 12 | 0 6 | 22 47 | 0 17 | 18 15 | 2 19 | 20 15 | 0 3 | 9 50 | 2 4 | 35 3 | 11 20 | 4 29 | 4 53 | 27 23 | | n.a. |
| S 8 | 20 16 | 0s59 | 1s 0 | 23 30 | 1 48 | 24 5 | 1 11 | 14 26 | 0 7 | 22 49 | 0 17 | 18 14 | 2 19 | 20 16 | 0 3 | 9 50 | 2 4 | 35 3 | 11 20 | 4 29 | 4 54 | 27 25 | | n.a. |
| M 9 | 20 28 | 7 44 | 2 10 | 23 53 | 1 50 | 24 16 | 1 13 | 14 39 | 0 8 | 22 51 | 0 17 | 18 13 | 2 19 | 20 17 | 0 3 | 9 50 | 2 4 | 35 2 | 11 20 | 4 30 | 4 56 | 27 26 | | n.a. |
| T 10 | 20 41 | 14 17 | 3 15 | 24 14 | 1 52 | 24 25 | 1 14 | 14 53 | 0 8 | 22 53 | 0 17 | 18 12 | 2 19 | 20 17 | 0 3 | 9 50 | 2 3 | 35 2 | 11 19 | 4 31 | 4 57 | 27 27 | | n.a. |
| W11 | 20 53 | 20 13 | 4 8 | 24 32 | 1 53 | 24 34 | 1 16 | 15 6 | 0 9 | 22 55 | 0 18 | 18 11 | 2 19 | 20 18 | 0 3 | 9 50 | 2 3 | 35 2 | 11 19 | 4 34 | 4 58 | 27 28 | | n.a. |
| T 12 | 21 5 | 24 57 | 4 44 | 24 47 | 1 53 | 24 43 | 1 17 | 15 19 | 0 10 | 22 57 | 0 18 | 18 10 | 2 18 | 20 19 | 0 3 | 9 50 | 2 3 | 35 2 | 11 19 | 4 38 | 4 59 | 27 29 | | n.a. |
| F 13 | 21 16 | 27 57 | 5 0 | 25 0 | 1 53 | 24 50 | 1 18 | 15 32 | 0 10 | 22 58 | 0 18 | 18 8 | 2 18 | 20 20 | 0 3 | 9 49 | 2 3 | 35 1 | 11 19 | 4 42 | 5 1 | 27 30 | | n.a. |
| S 14 | 21 27 | 28 51 | 4 55 | 25 11 | 1 52 | 24 57 | 1 20 | 15 45 | 0 11 | 23 0 | 0 18 | 18 7 | 2 18 | 20 21 | 0 4 | 9 49 | 2 3 | 35 1 | 11 19 | 4 46 | 5 2 | 27 32 | | n.a. |
| S 15 | 21 37 | 27 35 | 4 30 | 25 20 | 1 51 | 25 3 | 1 21 | 15 58 | 0 11 | 23 2 | 0 18 | 18 6 | 2 18 | 20 22 | 0 4 | 9 49 | 2 3 | 35 1 | 11 19 | 4 49 | 5 3 | 27 33 | | n.a. |
| M16 | 21 48 | 24 27 | 3 47 | 25 26 | 1 49 | 25 8 | 1 22 | 16 11 | 0 12 | 23 4 | 0 18 | 18 4 | 2 18 | 20 22 | 0 4 | 9 49 | 2 3 | 35 1 | 11 19 | 4 52 | 5 5 | 27 34 | | n.a. |
| T 17 | 21 58 | 19 56 | 2 52 | 25 30 | 1 47 | 25 12 | 1 23 | 16 23 | 0 13 | 23 6 | 0 18 | 18 3 | 2 18 | 20 23 | 0 4 | 9 49 | 2 3 | 35 1 | 11 19 | 4 53 | 5 6 | 27 35 | | n.a. |
| W18 | 22 7 | 14 30 | 1 48 | 25 33 | 1 44 | 25 16 | 1 24 | 16 36 | 0 13 | 23 8 | 0 18 | 18 2 | 2 17 | 20 24 | 0 4 | 9 49 | 2 3 | 35 0 | 11 19 | 4 54 | 5 7 | 27 36 | | n.a. |
| T 19 | 22 16 | 8 34 | 0 41 | 25 33 | 1 40 | 25 19 | 1 25 | 16 48 | 0 14 | 23 9 | 0 18 | 18 0 | 2 17 | 20 25 | 0 4 | 9 48 | 2 3 | 35 0 | 11 19 | 4 54 | 5 8 | 27 37 | | n.a. |
| F 20 | 22 25 | 2 28 | 0n27 | 25 31 | 1 36 | 25 21 | 1 26 | 17 0 | 0 15 | 23 11 | 0 18 | 17 59 | 2 17 | 20 26 | 0 4 | 9 48 | 2 3 | 35 0 | 11 18 | 4 54 | 5 10 | 27 38 | | n.a. |
| S 21 | 22 33 | 3n35 | 1 31 | 25 28 | 1 32 | 25 23 | 1 27 | 17 12 | 0 15 | 23 13 | 0 19 | 17 57 | 2 17 | 20 27 | 0 4 | 9 48 | 2 3 | 35 0 | 11 18 | 4 55 | 5 11 | 27 39 | | n.a. |
| S 22 | 22 41 | 9 22 | 2 30 | 25 22 | 1 27 | 25 23 | 1 28 | 17 24 | 0 16 | 23 15 | 0 19 | 17 56 | 2 17 | 20 27 | 0 4 | 9 48 | 2 3 | 35 0 | 11 18 | 4 56 | 5 12 | 27 40 | | n.a. |
| M23 | 22 49 | 14 44 | 3 22 | 25 15 | 1 22 | 25 23 | 1 29 | 17 36 | 0 16 | 23 16 | 0 19 | 17 55 | 2 17 | 20 28 | 0 4 | 9 48 | 2 3 | 34 59 | 11 18 | 4 58 | 5 13 | 27 41 | | n.a. |
| T 24 | 22 56 | 19 30 | 4 3 | 25 7 | 1 17 | 25 22 | 1 30 | 17 48 | 0 17 | 23 18 | 0 19 | 17 53 | 2 16 | 20 29 | 0 4 | 9 47 | 2 3 | 34 59 | 11 18 | 5 1 | 5 15 | 27 42 | | n.a. |
| W25 | 23 3 | 23 28 | 4 34 | 24 57 | 1 11 | 25 21 | 1 30 | 18 0 | 0 18 | 23 20 | 0 19 | 17 51 | 2 16 | 20 30 | 0 4 | 9 47 | 2 2 | 34 59 | 11 18 | 5 5 | 5 16 | 27 44 | | n.a. |
| T 26 | 23 9 | 26 27 | 4 53 | 24 46 | 1 4 | 25 18 | 1 31 | 18 11 | 0 18 | 23 21 | 0 19 | 17 50 | 2 16 | 20 31 | 0 4 | 9 47 | 2 2 | 34 59 | 11 18 | 5 11 | 5 17 | 27 45 | | n.a. |
| F 27 | 23 15 | 28 16 | 4 59 | 24 33 | 0 58 | 25 15 | 1 31 | 18 22 | 0 19 | 23 23 | 0 19 | 17 48 | 2 16 | 20 31 | 0 4 | 9 47 | 2 2 | 34 59 | 11 18 | 5 16 | 5 18 | 27 46 | | n.a. |
| S 28 | 23 21 | 28 48 | 4 52 | 24 19 | 0 51 | 25 11 | 1 32 | 18 33 | 0 20 | 23 25 | 0 19 | 17 47 | 2 16 | 20 32 | 0 4 | 9 46 | 2 2 | 34 59 | 11 18 | 5 22 | 5 20 | 27 47 | | n.a. |
| S 29 | 23 26 | 27 58 | 4 32 | 24 4 | 0 44 | 25 6 | 1 32 | 18 44 | 0 20 | 23 26 | 0 19 | 17 45 | 2 16 | 20 33 | 0 4 | 9 46 | 2 2 | 34 58 | 11 18 | 5 27 | 5 21 | 27 48 | | n.a. |
| M30 | 23n31 | 25n51 | 4n 0 | 23n48 | 0n36 | 25n 1 | 1n32 | 18n55 | 0n21 | 23n28 | 0n19 | 17n43 | 2n15 | 20n34 | 0n 4 | 9n46 | 2n 2 | 34n58 | 11n18 | 5s31 | 5s22 | 27n49 | | n.a. |

Julian Day Number = 992535.5, Delta T = 13h00m45s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'09, Lahiri = -31°28'09 Julian Calendar 1 June 1996 BCE == Greg. Calendar 15 May 1996 BCE


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## JULY 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 28 41 | 20♊39'42 | 5♌15 | 15♋ 6 | 12♋ 0 | 22♉27 | 15♊55 | 18♌36 | 29♉47 | 10♍15 | 7♋46 | 16°R 9 | 16♓36 | 12♊25 | n.a. | T 1 |
| W 2 | 17 32 37 | 21°37'24 | 17°30 | 16°29 | 13°13 | 23° 5 | 16° 8 | 18°41 | 29°50 | 10°16 | 7°48 | 16♓ 4 | 16°33 | 12°31 | n.a. | W 2 |
| T 3 | 17 36 34 | 22°35'08 | 29°58 | 17°50 | 14°27 | 23°44 | 16°21 | 18°46 | 29°54 | 10°16 | 7°50 | 16° 2 | 16°30 | 12°38 | n.a. | T 3 |
| F 4 | 17 40 31 | 23°32'53 | 12♍42 | 19° 9 | 15°41 | 24°22 | 16°35 | 18°51 | 29°57 | 10°17 | 7°52 | 16°D 1 | 16°27 | 12°45 | n.a. | F 4 |
| S 5 | 17 44 27 | 24°30'39 | 25°46 | 20°26 | 16°54 | 25° 0 | 16°48 | 18°56 | 0♊ 1 | 10°18 | 7°54 | 16°R 1 | 16°24 | 12°51 | n.a. | S 5 |
| S 6 | 17 48 24 | 25°28'26 | 9♎15 | 21°42 | 18° 8 | 25°39 | 17° 1 | 19° 1 | 0° 4 | 10°19 | 7°56 | 16° 1 | 16°20 | 12°58 | n.a. | S 6 |
| M 7 | 17 52 20 | 26°26'15 | 23°10 | 22°55 | 19°22 | 26°17 | 17°14 | 19° 6 | 0° 7 | 10°20 | 7°58 | 15°59 | 16°17 | 13° 5 | n.a. | M 7 |
| T 8 | 17 56 17 | 27°24'05 | 7♏32 | 24° 7 | 20°35 | 26°55 | 17°27 | 19°11 | 0°11 | 10°21 | 8° 0 | 15°54 | 16°14 | 13°12 | n.a. | T 8 |
| W 9 | 18 0 13 | 28°21'57 | 22°19 | 25°16 | 21°49 | 27°33 | 17°40 | 19°16 | 0°14 | 10°22 | 8° 2 | 15°47 | 16°11 | 13°18 | n.a. | W 9 |
| T 10 | 18 4 10 | 29°19'51 | 7♐25 | 26°23 | 23° 2 | 28°11 | 17°53 | 19°22 | 0°17 | 10°23 | 8° 4 | 15°38 | 16° 8 | 13°25 | n.a. | T 10 |
| F 11 | 18 8 6 | 0♋17'46 | 22°41 | 27°28 | 24°16 | 28°49 | 18° 6 | 19°27 | 0°21 | 10°24 | 8° 6 | 15°28 | 16° 5 | 13°32 | n.a. | F 11 |
| S 12 | 18 12 3 | 1°15'43 | 7♑57 | 28°31 | 25°30 | 29°27 | 18°19 | 19°33 | 0°24 | 10°25 | 8° 8 | 15°18 | 16° 1 | 13°39 | n.a. | S 12 |
| S 13 | 18 16 0 | 2°13'41 | 23° 0 | 29°31 | 26°43 | 0♊ 5 | 18°32 | 19°38 | 0°27 | 10°26 | 8°10 | 15° 9 | 15°58 | 13°45 | n.a. | S 13 |
| M14 | 18 19 56 | 3°11'42 | 7♒43 | 0♌28 | 27°57 | 0°43 | 18°45 | 19°44 | 0°31 | 10°27 | 8°12 | 15° 2 | 15°55 | 13°52 | n.a. | M14 |
| T 15 | 18 23 53 | 4° 9'44 | 21°58 | 1°23 | 29°10 | 1°21 | 18°58 | 19°49 | 0°34 | 10°28 | 8°14 | 14°58 | 15°52 | 13°59 | n.a. | T 15 |
| W16 | 18 27 49 | 5° 7'49 | 5♓44 | 2°14 | 0♌24 | 1°59 | 19°11 | 19°55 | 0°37 | 10°29 | 8°16 | 14°56 | 15°49 | 14° 5 | n.a. | W16 |
| T 17 | 18 31 46 | 6° 5'56 | 19° 1 | 3° 2 | 1°37 | 2°37 | 19°24 | 20° 1 | 0°40 | 10°30 | 8°18 | 14°D55 | 15°46 | 14°12 | n.a. | T 17 |
| F 18 | 18 35 42 | 7° 4'04 | 1♈52 | 3°47 | 2°51 | 3°15 | 19°37 | 20° 7 | 0°43 | 10°31 | 8°20 | 14°R56 | 15°42 | 14°19 | n.a. | F 18 |
| S 19 | 18 39 39 | 8° 2'15 | 14°23 | 4°28 | 4° 4 | 3°53 | 19°50 | 20°13 | 0°46 | 10°33 | 8°22 | 14°56 | 15°39 | 14°26 | n.a. | S 19 |
| S 20 | 18 43 35 | 9° 0'28 | 26°37 | 5° 6 | 5°18 | 4°30 | 20° 3 | 20°19 | 0°49 | 10°34 | 8°24 | 14°54 | 15°36 | 14°32 | n.a. | S 20 |
| M21 | 18 47 32 | 9°58'44 | 8♉39 | 5°39 | 6°31 | 5° 8 | 20°16 | 20°24 | 0°53 | 10°35 | 8°26 | 14°50 | 15°33 | 14°39 | n.a. | M21 |
| T 22 | 18 51 29 | 10°57'01 | 20°34 | 6° 8 | 7°45 | 5°46 | 20°29 | 20°30 | 0°56 | 10°37 | 8°28 | 14°44 | 15°30 | 14°46 | n.a. | T 22 |
| W23 | 18 55 25 | 11°55'21 | 2♊26 | 6°33 | 8°58 | 6°23 | 20°41 | 20°37 | 0°59 | 10°38 | 8°30 | 14°35 | 15°26 | 14°53 | n.a. | W23 |
| T 24 | 18 59 22 | 12°53'43 | 14°17 | 6°52 | 10°12 | 7° 1 | 20°54 | 20°43 | 1° 2 | 10°39 | 8°32 | 14°25 | 15°23 | 14°59 | n.a. | T 24 |
| F 25 | 19 3 18 | 13°52'08 | 26°11 | 7° 6 | 11°25 | 7°39 | 21° 7 | 20°49 | 1° 4 | 10°41 | 8°34 | 14°13 | 15°20 | 15° 6 | n.a. | F 25 |
| S 26 | 19 7 15 | 14°50'34 | 8♋ 8 | 7°14 | 12°39 | 8°16 | 21°19 | 20°55 | 1° 7 | 10°42 | 8°36 | 14° 2 | 15°17 | 15°13 | n.a. | S 26 |
| S 27 | 19 11 11 | 15°49'02 | 20°11 | 7°R17 | 13°52 | 8°54 | 21°32 | 21° 1 | 1°10 | 10°44 | 8°38 | 13°51 | 15°14 | 15°19 | n.a. | S 27 |
| M28 | 19 15 8 | 16°47'33 | 2♌21 | 7°13 | 15° 6 | 9°31 | 21°45 | 21° 8 | 1°13 | 10°45 | 8°40 | 13°43 | 15°11 | 15°26 | n.a. | M28 |
| T 29 | 19 19 4 | 17°46'05 | 14°38 | 7° 3 | 16°19 | 10° 8 | 21°57 | 21°14 | 1°16 | 10°47 | 8°42 | 13°36 | 15° 7 | 15°33 | n.a. | T 29 |
| W30 | 19 23 1 | 18°44'40 | 27° 5 | 6°47 | 17°32 | 10°46 | 22°10 | 21°20 | 1°19 | 10°48 | 8°44 | 13°33 | 15° 4 | 15°40 | n.a. | W30 |
| T 31 | 19 26 57 | 19♋43'16 | 9♍43 | 6♌23 | 18♌46 | 11♊23 | 22♊22 | 21♌27 | 1♊21 | 10♍50 | 8♋46 | 13°D31 | 15♓ 1 | 15♊46 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 23n35 | 22n32 | 3n17 | 23n31 | 0n28 | 24n55 | 1n33 | 19n 6 | 0n21 | 23n29 | 0n20 | 17n42 | 2n15 | 20n34 | 0n 4 | 9n45 | 2n 2 | 34n58 | 11n18 | 5s34 | 5s23 | 27n50 | | | n.a. |
| W 2 | 23 39 | 18 11 | 2 24 | 23 13 | 0 20 | 24 48 | 1 33 | 19 17 | 0 22 | 23 31 | 0 20 | 17 40 | 2 15 | 20 35 | 0 4 | 9 45 | 2 2 | 34 58 | 11 18 | 5 36 | 5 25 | 27 51 | | | n.a. |
| T 3 | 23 43 | 13 1 | 1 24 | 22 54 | 0 12 | 24 40 | 1 33 | 19 27 | 0 23 | 23 32 | 0 20 | 17 38 | 2 15 | 20 36 | 0 4 | 9 45 | 2 2 | 34 58 | 11 18 | 5 37 | 5 26 | 27 52 | | | n.a. |
| F 4 | 23 46 | 7 12 | 0 18 | 22 34 | 0 3 | 24 31 | 1 33 | 19 37 | 0 23 | 23 34 | 0 20 | 17 37 | 2 15 | 20 37 | 0 4 | 9 44 | 2 2 | 34 58 | 11 18 | 5 37 | 5 27 | 27 53 | | | n.a. |
| S 5 | 23 49 | 0 56 | 0s51 | 22 14 | 0s 6 | 24 22 | 1 33 | 19 47 | 0 24 | 23 35 | 0 20 | 17 35 | 2 15 | 20 37 | 0 4 | 9 44 | 2 2 | 34 58 | 11 18 | 5 37 | 5 28 | 27 54 | | | n.a. |
| S 6 | 23 51 | 5s34 | 1 59 | 21 53 | 0 15 | 24 12 | 1 33 | 19 57 | 0 25 | 23 37 | 0 20 | 17 33 | 2 15 | 20 38 | 0 4 | 9 43 | 2 2 | 34 57 | 11 18 | 5 38 | 5 30 | 27 54 | | | n.a. |
| M 7 | 23 53 | 12 0 | 3 3 | 21 32 | 0 24 | 24 1 | 1 33 | 20 7 | 0 25 | 23 38 | 0 20 | 17 31 | 2 14 | 20 39 | 0 4 | 9 43 | 2 2 | 34 57 | 11 18 | 5 38 | 5 31 | 27 55 | | | n.a. |
| T 8 | 23 54 | 18 1 | 3 57 | 21 10 | 0 34 | 23 50 | 1 32 | 20 17 | 0 26 | 23 39 | 0 20 | 17 30 | 2 14 | 20 40 | 0 4 | 9 43 | 2 2 | 34 57 | 11 18 | 5 40 | 5 32 | 27 56 | | | n.a. |
| W 9 | 23 55 | 23 10 | 4 36 | 20 48 | 0 44 | 23 38 | 1 32 | 20 27 | 0 27 | 23 41 | 0 20 | 17 28 | 2 14 | 20 40 | 0 4 | 9 42 | 2 2 | 34 57 | 11 18 | 5 43 | 5 34 | 27 57 | | | n.a. |
| T 10 | 23 55 | 26 53 | 4 58 | 20 26 | 0 53 | 23 25 | 1 32 | 20 36 | 0 27 | 23 42 | 0 21 | 17 26 | 2 14 | 20 41 | 0 4 | 9 42 | 2 2 | 34 57 | 11 18 | 5 46 | 5 35 | 27 58 | | | n.a. |
| F 11 | 23 55 | 28 41 | 4 59 | 20 3 | 1 3 | 23 12 | 1 31 | 20 45 | 0 28 | 23 44 | 0 21 | 17 24 | 2 14 | 20 42 | 0 4 | 9 41 | 2 1 | 34 57 | 11 18 | 5 51 | 5 36 | 27 59 | | | n.a. |
| S 12 | 23 55 | 28 18 | 4 38 | 19 41 | 1 14 | 22 57 | 1 31 | 20 54 | 0 28 | 23 45 | 0 21 | 17 22 | 2 14 | 20 43 | 0 4 | 9 41 | 2 1 | 34 57 | 11 18 | 5 55 | 5 37 | 28 0 | | | n.a. |
| S 13 | 23 54 | 25 50 | 3 58 | 19 18 | 1 24 | 22 43 | 1 30 | 21 3 | 0 29 | 23 46 | 0 21 | 17 20 | 2 14 | 20 43 | 0 4 | 9 40 | 2 1 | 34 57 | 11 18 | 5 58 | 5 39 | 28 1 | | | n.a. |
| M14 | 23 53 | 21 40 | 3 4 | 18 56 | 1 34 | 22 27 | 1 29 | 21 12 | 0 30 | 23 47 | 0 21 | 17 18 | 2 14 | 20 44 | 0 4 | 9 40 | 2 1 | 34 56 | 11 18 | 6 1 | 5 40 | 28 2 | | | n.a. |
| T 15 | 23 51 | 16 20 | 1 59 | 18 34 | 1 44 | 22 11 | 1 29 | 21 21 | 0 30 | 23 49 | 0 21 | 17 16 | 2 13 | 20 45 | 0 4 | 9 39 | 2 1 | 34 56 | 11 18 | 6 2 | 5 41 | 28 3 | | | n.a. |
| W16 | 23 49 | 10 21 | 0 49 | 18 12 | 1 55 | 21 54 | 1 28 | 21 29 | 0 31 | 23 50 | 0 21 | 17 14 | 2 13 | 20 45 | 0 4 | 9 39 | 2 1 | 34 56 | 11 18 | 6 3 | 5 42 | 28 4 | | | n.a. |
| T 17 | 23 47 | 4 6 | 0n22 | 17 51 | 2 5 | 21 37 | 1 27 | 21 37 | 0 32 | 23 51 | 0 21 | 17 12 | 2 13 | 20 46 | 0 4 | 9 38 | 2 1 | 34 56 | 11 18 | 6 3 | 5 44 | 28 4 | | | n.a. |
| F 18 | 23 44 | 2n 7 | 1 29 | 17 30 | 2 16 | 21 19 | 1 26 | 21 46 | 0 32 | 23 52 | 0 22 | 17 10 | 2 13 | 20 47 | 0 4 | 9 38 | 2 1 | 34 56 | 11 18 | 6 3 | 5 45 | 28 5 | | | n.a. |
| S 19 | 23 41 | 8 4 | 2 30 | 17 10 | 2 26 | 21 0 | 1 25 | 21 54 | 0 33 | 23 53 | 0 22 | 17 8 | 2 13 | 20 47 | 0 4 | 9 37 | 2 1 | 34 56 | 11 18 | 6 3 | 5 46 | 28 6 | | | n.a. |
| S 20 | 23 37 | 13 36 | 3 22 | 16 51 | 2 36 | 20 41 | 1 24 | 22 1 | 0 34 | 23 54 | 0 22 | 17 6 | 2 13 | 20 48 | 0 4 | 9 37 | 2 1 | 34 56 | 11 18 | 6 4 | 5 47 | 28 7 | | | n.a. |
| M21 | 23 32 | 18 32 | 4 5 | 16 33 | 2 46 | 20 21 | 1 22 | 22 9 | 0 34 | 23 55 | 0 22 | 17 4 | 2 13 | 20 49 | 0 4 | 9 36 | 2 1 | 34 56 | 11 18 | 6 5 | 5 49 | 28 8 | | | n.a. |
| T 22 | 23 28 | 22 41 | 4 37 | 16 17 | 2 56 | 20 1 | 1 21 | 22 17 | 0 35 | 23 57 | 0 22 | 17 2 | 2 13 | 20 49 | 0 4 | 9 36 | 2 1 | 34 56 | 11 18 | 6 8 | 5 50 | 28 9 | | | n.a. |
| W23 | 23 23 | 25 54 | 4 56 | 16 1 | 3 6 | 19 40 | 1 20 | 22 24 | 0 36 | 23 58 | 0 22 | 17 0 | 2 13 | 20 50 | 0 4 | 9 35 | 2 1 | 34 56 | 11 19 | 6 11 | 5 51 | 28 9 | | | n.a. |
| T 24 | 23 17 | 27 59 | 5 3 | 15 47 | 3 15 | 19 18 | 1 18 | 22 31 | 0 36 | 23 59 | 0 22 | 16 58 | 2 13 | 20 51 | 0 4 | 9 35 | 2 1 | 34 56 | 11 19 | 6 15 | 5 52 | 28 10 | | | n.a. |
| F 25 | 23 11 | 28 49 | 4 56 | 15 35 | 3 24 | 18 56 | 1 17 | 22 38 | 0 37 | 24 0 | 0 22 | 16 56 | 2 12 | 20 51 | 0 4 | 9 34 | 2 1 | 34 56 | 11 19 | 6 20 | 5 54 | 28 11 | | | n.a. |
| S 26 | 23 5 | 28 17 | 4 37 | 15 25 | 3 32 | 18 34 | 1 15 | 22 45 | 0 38 | 24 1 | 0 23 | 16 54 | 2 12 | 20 52 | 0 4 | 9 33 | 2 1 | 34 56 | 11 19 | 6 24 | 5 55 | 28 12 | | | n.a. |
| S 27 | 22 58 | 26 25 | 4 5 | 15 17 | 3 40 | 18 11 | 1 14 | 22 52 | 0 38 | 24 2 | 0 23 | 16 52 | 2 12 | 20 53 | 0 4 | 9 33 | 2 1 | 34 56 | 11 19 | 6 29 | 5 56 | 28 13 | | | n.a. |
| M28 | 22 51 | 23 18 | 3 22 | 15 11 | 3 47 | 17 47 | 1 12 | 22 58 | 0 39 | 24 3 | 0 23 | 16 50 | 2 12 | 20 53 | 0 4 | 9 32 | 2 1 | 34 56 | 11 19 | 6 32 | 5 57 | 28 13 | | | n.a. |
| T 29 | 22 43 | 19 8 | 2 28 | 15 8 | 3 53 | 17 23 | 1 10 | 23 4 | 0 39 | 24 3 | 0 23 | 16 47 | 2 12 | 20 54 | 0 4 | 9 32 | 2 1 | 34 56 | 11 19 | 6 34 | 5 59 | 28 14 | | | n.a. |
| W30 | 22 35 | 14 5 | 1 27 | 15 7 | 3 58 | 16 59 | 1 9 | 23 11 | 0 40 | 24 4 | 0 23 | 16 45 | 2 12 | 20 54 | 0 4 | 9 31 | 2 0 | 34 56 | 11 19 | 6 36 | 6 0 | 28 15 | | | n.a. |
| T 31 | 22n27 | 8n24 | 0n20 | 15n 9 | 4s 2 | 16n34 | 1n 7 | 23n17 | 0n41 | 24n 5 | 0n23 | 16n43 | 2n12 | 20n55 | 0n 4 | 9n30 | 2n 0 | 34n56 | 11n19 | 6s36 | 6s 1 | 28n16 | | | n.a. |

Julian Day Number = 992565.5, Delta T = 13h00m43s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'05, Lahiri = -31°28'05 Julian Calendar 1 July 1996 BCE == Greg. Calendar 14 June 1996 BCE

The year -1995 astronomical counting style corresponds to year 1996 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## AUGUST 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 30 54 | 20♋41'54 | 22♍34 | 5°R53 | 19♌59 | 12♊ 1 | 22♊34 | 21♌33 | 1♊24 | 10♍51 | 8♋48 | 13♓31 | 14♓58 | 15♊53 | n.a. | F 1 |
| S 2 | 19 34 51 | 21°40'34 | 5♎42 | 5♌16 | 21°12 | 12°38 | 22°47 | 21°40 | 1°27 | 10°53 | 8°50 | 13°32 | 14°55 | 16° 0 | n.a. | S 2 |
| S 3 | 19 38 47 | 22°39'16 | 19° 8 | 4°32 | 22°26 | 13°15 | 22°59 | 21°46 | 1°29 | 10°54 | 8°52 | 13°R33 | 14°52 | 16° 7 | n.a. | S 3 |
| M 4 | 19 42 44 | 23°37'59 | 2♏56 | 3°43 | 23°39 | 13°52 | 23°11 | 21°53 | 1°32 | 10°56 | 8°54 | 13°33 | 14°48 | 16°13 | n.a. | M 4 |
| T 5 | 19 46 40 | 24°36'45 | 17° 6 | 2°48 | 24°52 | 14°29 | 23°24 | 21°59 | 1°35 | 10°58 | 8°56 | 13°31 | 14°45 | 16°20 | n.a. | T 5 |
| W 6 | 19 50 37 | 25°35'32 | 1♐36 | 1°49 | 26° 5 | 15° 6 | 23°36 | 22° 6 | 1°37 | 10°59 | 8°58 | 13°27 | 14°42 | 16°27 | n.a. | W 6 |
| T 7 | 19 54 33 | 26°34'22 | 16°23 | 0°46 | 27°19 | 15°44 | 23°48 | 22°13 | 1°40 | 11° 1 | 9° 0 | 13°21 | 14°39 | 16°33 | n.a. | T 7 |
| F 8 | 19 58 30 | 27°33'13 | 1♑20 | 29♋41 | 28°32 | 16°21 | 24° 0 | 22°19 | 1°42 | 11° 3 | 9° 2 | 13°14 | 14°36 | 16°40 | n.a. | F 8 |
| S 9 | 20 2 26 | 28°32'07 | 16°20 | 28°36 | 29°45 | 16°58 | 24°12 | 22°26 | 1°44 | 11° 5 | 9° 4 | 13° 7 | 14°32 | 16°47 | n.a. | S 9 |
| S 10 | 20 6 23 | 29°31'02 | 1♒12 | 27°31 | 0♍58 | 17°35 | 24°24 | 22°33 | 1°47 | 11° 6 | 9° 5 | 13° 1 | 14°29 | 16°54 | n.a. | S 10 |
| M11 | 20 10 20 | 0♌30'00 | 15°49 | 26°29 | 2°11 | 18°11 | 24°36 | 22°40 | 1°49 | 11° 8 | 9° 7 | 12°56 | 14°26 | 17° 0 | n.a. | M11 |
| T 12 | 20 14 16 | 1°29'00 | 0♓ 3 | 25°32 | 3°24 | 18°48 | 24°47 | 22°46 | 1°51 | 11°10 | 9° 9 | 12°54 | 14°23 | 17° 7 | n.a. | T 12 |
| W13 | 20 18 13 | 2°28'02 | 13°52 | 24°40 | 4°37 | 19°25 | 24°59 | 22°53 | 1°54 | 11°12 | 9°11 | 12°D53 | 14°20 | 17°14 | n.a. | W13 |
| T 14 | 20 22 9 | 3°27'07 | 27°13 | 23°56 | 5°50 | 20° 2 | 25°11 | 23° 0 | 1°56 | 11°14 | 9°13 | 12°54 | 14°17 | 17°21 | n.a. | T 14 |
| F 15 | 20 26 6 | 4°26'14 | 10♈10 | 23°19 | 7° 3 | 20°39 | 25°23 | 23° 7 | 1°58 | 11°16 | 9°15 | 12°55 | 14°13 | 17°27 | n.a. | F 15 |
| S 16 | 20 30 2 | 5°25'24 | 22°45 | 22°53 | 8°16 | 21°15 | 25°34 | 23°14 | 2° 0 | 11°17 | 9°17 | 12°57 | 14°10 | 17°34 | n.a. | S 16 |
| S 17 | 20 33 59 | 6°24'36 | 5♉ 1 | 22°36 | 9°29 | 21°52 | 25°46 | 23°21 | 2° 2 | 11°19 | 9°19 | 12°R58 | 14° 7 | 17°41 | n.a. | S 17 |
| M18 | 20 37 55 | 7°23'50 | 17° 5 | 22°D29 | 10°42 | 22°29 | 25°57 | 23°28 | 2° 4 | 11°21 | 9°20 | 12°57 | 14° 4 | 17°47 | n.a. | M18 |
| T 19 | 20 41 52 | 8°23'07 | 29° 1 | 22°33 | 11°55 | 23° 5 | 26° 8 | 23°35 | 2° 6 | 11°23 | 9°22 | 12°55 | 14° 1 | 17°54 | n.a. | T 19 |
| W20 | 20 45 48 | 9°22'27 | 10♊53 | 22°47 | 13° 8 | 23°42 | 26°20 | 23°42 | 2° 8 | 11°25 | 9°24 | 12°51 | 13°58 | 18° 1 | n.a. | W20 |
| T 21 | 20 49 45 | 10°21'49 | 22°45 | 23°12 | 14°21 | 24°19 | 26°31 | 23°49 | 2°10 | 11°27 | 9°26 | 12°47 | 13°54 | 18° 8 | n.a. | T 21 |
| F 22 | 20 53 42 | 11°21'14 | 4♋42 | 23°46 | 15°34 | 24°55 | 26°42 | 23°56 | 2°12 | 11°29 | 9°28 | 12°41 | 13°51 | 18°14 | n.a. | F 22 |
| S 23 | 20 57 38 | 12°20'41 | 16°45 | 24°29 | 16°46 | 25°31 | 26°53 | 24° 3 | 2°14 | 11°31 | 9°29 | 12°35 | 13°48 | 18°21 | n.a. | S 23 |
| S 24 | 21 1 35 | 13°20'10 | 28°56 | 25°20 | 17°59 | 26° 8 | 27° 4 | 24°10 | 2°15 | 11°33 | 9°31 | 12°30 | 13°45 | 18°28 | n.a. | S 24 |
| M25 | 21 5 31 | 14°19'41 | 11♌18 | 26°19 | 19°12 | 26°44 | 27°15 | 24°17 | 2°17 | 11°35 | 9°33 | 12°26 | 13°42 | 18°34 | n.a. | M25 |
| T 26 | 21 9 28 | 15°19'15 | 23°51 | 27°25 | 20°25 | 27°21 | 27°26 | 24°24 | 2°19 | 11°37 | 9°35 | 12°23 | 13°38 | 18°41 | n.a. | T 26 |
| W27 | 21 13 24 | 16°18'51 | 6♍36 | 28°37 | 21°37 | 27°57 | 27°36 | 24°31 | 2°20 | 11°39 | 9°36 | 12°D22 | 13°35 | 18°48 | n.a. | W27 |
| T 28 | 21 17 21 | 17°18'29 | 19°33 | 29°55 | 22°50 | 28°33 | 27°47 | 24°38 | 2°22 | 11°42 | 9°38 | 12°22 | 13°32 | 18°55 | n.a. | T 28 |
| F 29 | 21 21 17 | 18°18'08 | 2♎43 | 1♌17 | 24° 3 | 29° 9 | 27°57 | 24°45 | 2°23 | 11°44 | 9°40 | 12°23 | 13°29 | 19° 1 | n.a. | F 29 |
| S 30 | 21 25 14 | 19°17'50 | 16° 5 | 2°43 | 25°15 | 29°45 | 28° 8 | 24°52 | 2°25 | 11°46 | 9°41 | 12°25 | 13°26 | 19° 8 | n.a. | S 30 |
| S 31 | 21 29 10 | 20♌17'34 | 29♎41 | 4♌13 | 26♍28 | 0♋21 | 28♊18 | 25♌ 0 | 2♊26 | 11♍48 | 9♋43 | 12♓26 | 13♓23 | 19♊15 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n18 | 2n16 | 0s48 | 15n14 | 4s 5 | 16n 8 | 1n 5 | 23n22 | 0n41 | 24n 6 | 0n23 | 16n41 | 2n12 | 20n56 | 0n 4 | 9n30 | 2n 0 | 34n56 | 11n20 | 6s36 | 6s 2 | 28n16 | | n.a. |
| S 2 | 22 8 | 4s 5 | 1 56 | 15 22 | 4 6 | 15 42 | 1 3 | 23 28 | 0 42 | 24 7 | 0 23 | 16 39 | 2 12 | 20 56 | 0 4 | 9 29 | 2 0 | 34 56 | 11 20 | 6 36 | 6 4 | 28 17 | | n.a. |
| S 3 | 21 59 | 10 24 | 2 59 | 15 33 | 4 5 | 15 16 | 1 1 | 23 34 | 0 43 | 24 8 | 0 24 | 16 36 | 2 12 | 20 57 | 0 4 | 9 28 | 2 0 | 34 56 | 11 20 | 6 36 | 6 5 | 28 18 | | n.a. |
| M 4 | 21 49 | 16 23 | 3 54 | 15 47 | 4 3 | 14 50 | 0 59 | 23 39 | 0 43 | 24 9 | 0 24 | 16 34 | 2 12 | 20 57 | 0 4 | 9 28 | 2 0 | 34 56 | 11 20 | 6 36 | 6 6 | 28 19 | | n.a. |
| T 5 | 21 38 | 21 40 | 4 36 | 16 4 | 3 58 | 14 23 | 0 56 | 23 44 | 0 44 | 24 9 | 0 24 | 16 32 | 2 12 | 20 58 | 0 4 | 9 27 | 2 0 | 34 56 | 11 20 | 6 37 | 6 7 | 28 19 | | n.a. |
| W 6 | 21 27 | 25 48 | 5 1 | 16 23 | 3 52 | 13 55 | 0 54 | 23 49 | 0 45 | 24 10 | 0 24 | 16 30 | 2 12 | 20 58 | 0 4 | 9 26 | 2 0 | 34 56 | 11 20 | 6 38 | 6 9 | 28 20 | | n.a. |
| T 7 | 21 16 | 28 18 | 5 7 | 16 45 | 3 44 | 13 28 | 0 52 | 23 54 | 0 45 | 24 11 | 0 24 | 16 27 | 2 12 | 20 59 | 0 4 | 9 26 | 2 0 | 34 56 | 11 21 | 6 40 | 6 10 | 28 21 | | n.a. |
| F 8 | 21 4 | 28 48 | 4 53 | 17 9 | 3 34 | 13 0 | 0 49 | 23 58 | 0 46 | 24 11 | 0 24 | 16 25 | 2 11 | 20 59 | 0 4 | 9 25 | 2 0 | 34 56 | 11 21 | 6 43 | 6 11 | 28 21 | | n.a. |
| S 9 | 20 52 | 27 10 | 4 18 | 17 35 | 3 21 | 12 31 | 0 47 | 24 3 | 0 47 | 24 12 | 0 24 | 16 23 | 2 11 | 21 0 | 0 4 | 9 24 | 2 0 | 34 56 | 11 21 | 6 46 | 6 12 | 28 22 | | n.a. |
| S 10 | 20 40 | 23 38 | 3 26 | 18 2 | 3 7 | 12 2 | 0 44 | 24 7 | 0 48 | 24 13 | 0 25 | 16 21 | 2 11 | 21 0 | 0 4 | 9 23 | 2 0 | 34 56 | 11 21 | 6 48 | 6 14 | 28 23 | | n.a. |
| M11 | 20 27 | 18 40 | 2 21 | 18 29 | 2 51 | 11 33 | 0 42 | 24 11 | 0 48 | 24 13 | 0 25 | 16 18 | 2 11 | 21 1 | 0 4 | 9 23 | 2 0 | 34 56 | 11 21 | 6 50 | 6 15 | 28 23 | | n.a. |
| T 12 | 20 14 | 12 45 | 1 9 | 18 57 | 2 34 | 11 4 | 0 39 | 24 15 | 0 49 | 24 14 | 0 25 | 16 16 | 2 11 | 21 1 | 0 4 | 9 22 | 2 0 | 34 56 | 11 21 | 6 51 | 6 16 | 28 24 | | n.a. |
| W13 | 20 1 | 6 24 | 0n 5 | 19 24 | 2 16 | 10 35 | 0 37 | 24 19 | 0 50 | 24 15 | 0 25 | 16 14 | 2 11 | 21 2 | 0 4 | 9 21 | 2 0 | 34 56 | 11 22 | 6 51 | 6 17 | 28 25 | | n.a. |
| T 14 | 19 47 | 0n 3 | 1 17 | 19 50 | 1 57 | 10 5 | 0 34 | 24 23 | 0 50 | 24 15 | 0 25 | 16 11 | 2 11 | 21 2 | 0 4 | 9 20 | 2 0 | 34 56 | 11 22 | 6 51 | 6 19 | 28 25 | | n.a. |
| F 15 | 19 32 | 6 17 | 2 23 | 20 16 | 1 37 | 9 35 | 0 31 | 24 26 | 0 51 | 24 16 | 0 25 | 16 9 | 2 11 | 21 3 | 0 4 | 9 20 | 2 0 | 34 56 | 11 22 | 6 50 | 6 20 | 28 26 | | n.a. |
| S 16 | 19 18 | 12 6 | 3 20 | 20 40 | 1 18 | 9 4 | 0 28 | 24 29 | 0 52 | 24 16 | 0 25 | 16 7 | 2 11 | 21 3 | 0 4 | 9 19 | 2 0 | 34 56 | 11 22 | 6 50 | 6 21 | 28 27 | | n.a. |
| S 17 | 19 3 | 17 18 | 4 6 | 21 2 | 0 59 | 8 34 | 0 26 | 24 32 | 0 52 | 24 17 | 0 26 | 16 4 | 2 11 | 21 4 | 0 4 | 9 18 | 2 0 | 34 56 | 11 23 | 6 50 | 6 22 | 28 27 | | n.a. |
| M18 | 18 48 | 21 45 | 4 40 | 21 21 | 0 40 | 8 3 | 0 23 | 24 35 | 0 53 | 24 17 | 0 26 | 16 2 | 2 11 | 21 4 | 0 4 | 9 17 | 2 0 | 34 56 | 11 23 | 6 50 | 6 24 | 28 28 | | n.a. |
| T 19 | 18 32 | 25 15 | 5 2 | 21 39 | 0 22 | 7 32 | 0 20 | 24 38 | 0 54 | 24 18 | 0 26 | 15 59 | 2 11 | 21 4 | 0 4 | 9 16 | 2 0 | 34 56 | 11 23 | 6 51 | 6 25 | 28 28 | | n.a. |
| W20 | 18 16 | 27 40 | 5 11 | 21 53 | 0 4 | 7 1 | 0 17 | 24 41 | 0 54 | 24 18 | 0 26 | 15 57 | 2 11 | 21 5 | 0 4 | 9 16 | 2 0 | 34 56 | 11 23 | 6 52 | 6 26 | 28 29 | | n.a. |
| T 21 | 18 0 | 28 49 | 5 7 | 22 5 | 0n12 | 6 30 | 0 14 | 24 43 | 0 55 | 24 19 | 0 26 | 15 55 | 2 11 | 21 5 | 0 4 | 9 15 | 2 0 | 34 56 | 11 23 | 6 54 | 6 27 | 28 30 | | n.a. |
| F 22 | 17 43 | 28 39 | 4 49 | 22 14 | 0 27 | 5 58 | 0 11 | 24 45 | 0 56 | 24 19 | 0 26 | 15 52 | 2 11 | 21 6 | 0 4 | 9 14 | 2 0 | 34 57 | 11 24 | 6 56 | 6 29 | 28 30 | | n.a. |
| S 23 | 17 27 | 27 7 | 4 18 | 22 20 | 0 41 | 5 26 | 0 8 | 24 47 | 0 56 | 24 20 | 0 27 | 15 50 | 2 11 | 21 6 | 0 4 | 9 13 | 2 0 | 34 57 | 11 24 | 6 58 | 6 30 | 28 31 | | n.a. |
| S 24 | 17 9 | 24 18 | 3 35 | 22 23 | 0 54 | 4 55 | 0 4 | 24 49 | 0 57 | 24 20 | 0 27 | 15 47 | 2 11 | 21 6 | 0 4 | 9 12 | 2 0 | 34 57 | 11 24 | 7 0 | 6 31 | 28 31 | | n.a. |
| M25 | 16 52 | 20 20 | 2 42 | 22 23 | 1 6 | 4 23 | 0 1 | 24 51 | 0 58 | 24 21 | 0 27 | 15 45 | 2 11 | 21 7 | 0 4 | 9 12 | 1 59 | 34 57 | 11 24 | 7 2 | 6 32 | 28 32 | | n.a. |
| T 26 | 16 34 | 15 24 | 1 40 | 22 20 | 1 16 | 3 51 | 0s 2 | 24 53 | 0 59 | 24 21 | 0 27 | 15 43 | 2 11 | 21 7 | 0 4 | 9 11 | 1 59 | 34 57 | 11 25 | 7 3 | 6 34 | 28 32 | | n.a. |
| W27 | 16 16 | 9 45 | 0 32 | 22 14 | 1 25 | 3 19 | 0 5 | 24 54 | 0 59 | 24 21 | 0 27 | 15 40 | 2 11 | 21 7 | 0 4 | 9 10 | 1 59 | 34 57 | 11 25 | 7 3 | 6 35 | 28 33 | | n.a. |
| T 28 | 15 58 | 3 37 | 0s39 | 22 5 | 1 33 | 2 46 | 0 8 | 24 55 | 1 0 | 24 22 | 0 27 | 15 38 | 2 11 | 21 8 | 0 4 | 9 9 | 1 59 | 34 57 | 11 25 | 7 3 | 6 36 | 28 33 | | n.a. |
| F 29 | 15 39 | 2s46 | 1 50 | 21 53 | 1 39 | 2 14 | 0 12 | 24 56 | 1 1 | 24 22 | 0 27 | 15 35 | 2 11 | 21 8 | 0 4 | 9 8 | 1 59 | 34 57 | 11 26 | 7 3 | 6 37 | 28 34 | | n.a. |
| S 30 | 15 20 | 9 8 | 2 55 | 21 39 | 1 45 | 1 42 | 0 15 | 24 57 | 1 1 | 24 22 | 0 28 | 15 33 | 2 11 | 21 8 | 0 4 | 9 7 | 1 59 | 34 58 | 11 26 | 7 2 | 6 39 | 28 34 | | n.a. |
| S 31 | 15n 1 | 15s11 | 3s52 | 21n22 | 1n49 | 1n 9 | 0s18 | 24n58 | 1n 2 | 24n23 | 0n28 | 15n30 | 2n11 | 21n 9 | 0n 4 | 9n 7 | 1n59 | 34n58 | 11n26 | 7s 2 | 6s40 | 28n35 | | n.a. |

Julian Day Number = 992596.5, Delta T = 13h00m41s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°35'01, Lahiri = -31°28'01 Julian Calendar 1 Aug. 1996 BCE == Greg. Calendar 15 July 1996 BCE

The year -1995 astronomical counting style corresponds to year 1996 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## SEPTEMBER 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 33 7 | 21♌17'20 | 13♏31 | 5♌46 | 27♍40 | 0♋57 | 28♊29 | 25♌ 7 | 2♊27 | 11♍50 | 9♋45 | 12♓27 | 13♓19 | 19♊22 | n.a. | M 1 |
| T 2 | 21 37 4 | 22°17'07 | 27°34 | 7°20 | 28°53 | 1°33 | 28°39 | 25°14 | 2°29 | 11°52 | 9°46 | 12°R27 | 13°16 | 19°28 | n.a. | T 2 |
| W 3 | 21 41 0 | 23°16'57 | 11♐50 | 8°57 | 0♎ 5 | 2° 9 | 28°49 | 25°21 | 2°30 | 11°54 | 9°48 | 12°26 | 13°13 | 19°35 | n.a. | W 3 |
| T 4 | 21 44 57 | 24°16'48 | 26°15 | 10°35 | 1°18 | 2°45 | 28°59 | 25°28 | 2°31 | 11°56 | 9°49 | 12°25 | 13°10 | 19°42 | n.a. | T 4 |
| F 5 | 21 48 53 | 25°16'42 | 10♑46 | 12°15 | 2°30 | 3°21 | 29° 9 | 25°35 | 2°32 | 11°59 | 9°51 | 12°22 | 13° 7 | 19°48 | n.a. | F 5 |
| S 6 | 21 52 50 | 26°16'37 | 25°18 | 13°55 | 3°42 | 3°57 | 29°18 | 25°42 | 2°33 | 12° 1 | 9°52 | 12°20 | 13° 4 | 19°55 | n.a. | S 6 |
| S 7 | 21 56 46 | 27°16'34 | 9♒46 | 15°36 | 4°55 | 4°32 | 29°28 | 25°50 | 2°34 | 12° 3 | 9°54 | 12°18 | 13° 0 | 20° 2 | n.a. | S 7 |
| M 8 | 22 0 43 | 28°16'33 | 24° 2 | 17°17 | 6° 7 | 5° 8 | 29°38 | 25°57 | 2°35 | 12° 5 | 9°55 | 12°17 | 12°57 | 20° 9 | n.a. | M 8 |
| T 9 | 22 4 39 | 29°16'34 | 8♓ 2 | 18°59 | 7°19 | 5°44 | 29°47 | 26° 4 | 2°36 | 12° 7 | 9°57 | 12°D16 | 12°54 | 20°15 | n.a. | T 9 |
| W10 | 22 8 36 | 0♍16'37 | 21°43 | 20°41 | 8°31 | 6°19 | 29°56 | 26°11 | 2°37 | 12°10 | 9°58 | 12°17 | 12°51 | 20°22 | n.a. | W10 |
| T 11 | 22 12 32 | 1°16'42 | 5♈ 2 | 22°23 | 9°43 | 6°55 | 0♋ 6 | 26°18 | 2°38 | 12°12 | 10° 0 | 12°17 | 12°48 | 20°29 | n.a. | T 11 |
| F 12 | 22 16 29 | 2°16'49 | 18° 0 | 24° 4 | 10°55 | 7°30 | 0°15 | 26°25 | 2°39 | 12°14 | 10° 1 | 12°18 | 12°44 | 20°36 | n.a. | F 12 |
| S 13 | 22 20 26 | 3°16'59 | 0♉37 | 25°46 | 12° 7 | 8° 6 | 0°24 | 26°32 | 2°39 | 12°16 | 10° 2 | 12°19 | 12°41 | 20°42 | n.a. | S 13 |
| S 14 | 22 24 22 | 4°17'11 | 12°57 | 27°27 | 13°19 | 8°41 | 0°33 | 26°39 | 2°40 | 12°18 | 10° 4 | 12°20 | 12°38 | 20°49 | n.a. | S 14 |
| M15 | 22 28 19 | 5°17'25 | 25° 4 | 29° 8 | 14°31 | 9°16 | 0°41 | 26°47 | 2°41 | 12°21 | 10° 5 | 12°20 | 12°35 | 20°56 | n.a. | M15 |
| T 16 | 22 32 15 | 6°17'42 | 7♊ 1 | 0♍48 | 15°43 | 9°52 | 0°50 | 26°54 | 2°41 | 12°23 | 10° 6 | 12°R21 | 12°32 | 21° 2 | n.a. | T 16 |
| W17 | 22 36 12 | 7°18'00 | 18°54 | 2°29 | 16°55 | 10°27 | 0°59 | 27° 1 | 2°42 | 12°25 | 10° 8 | 12°20 | 12°29 | 21° 9 | n.a. | W17 |
| T 18 | 22 40 8 | 8°18'21 | 0♋47 | 4° 8 | 18° 6 | 11° 2 | 1° 7 | 27° 8 | 2°42 | 12°27 | 10° 9 | 12°20 | 12°25 | 21°16 | n.a. | T 18 |
| F 19 | 22 44 5 | 9°18'44 | 12°44 | 5°48 | 19°18 | 11°37 | 1°15 | 27°15 | 2°42 | 12°30 | 10°10 | 12°20 | 12°22 | 21°23 | n.a. | F 19 |
| S 20 | 22 48 1 | 10°19'09 | 24°51 | 7°27 | 20°30 | 12°12 | 1°24 | 27°22 | 2°43 | 12°32 | 10°11 | 12°19 | 12°19 | 21°29 | n.a. | S 20 |
| S 21 | 22 51 58 | 11°19'37 | 7♌ 9 | 9° 5 | 21°41 | 12°47 | 1°32 | 27°29 | 2°43 | 12°34 | 10°12 | 12°19 | 12°16 | 21°36 | n.a. | S 21 |
| M22 | 22 55 54 | 12°20'06 | 19°42 | 10°43 | 22°53 | 13°22 | 1°39 | 27°36 | 2°43 | 12°36 | 10°13 | 12°D19 | 12°13 | 21°43 | n.a. | M22 |
| T 23 | 22 59 51 | 13°20'37 | 2♍31 | 12°21 | 24° 4 | 13°57 | 1°47 | 27°43 | 2°43 | 12°39 | 10°15 | 12°19 | 12° 9 | 21°49 | n.a. | T 23 |
| W24 | 23 3 48 | 14°21'10 | 15°36 | 13°59 | 25°16 | 14°32 | 1°55 | 27°50 | 2°43 | 12°41 | 10°16 | 12°R19 | 12° 6 | 21°56 | n.a. | W24 |
| T 25 | 23 7 44 | 15°21'44 | 28°58 | 15°36 | 26°27 | 15° 6 | 2° 2 | 27°57 | 2°R43 | 12°43 | 10°17 | 12°19 | 12° 3 | 22° 3 | n.a. | T 25 |
| F 26 | 23 11 41 | 16°22'20 | 12♎34 | 17°12 | 27°38 | 15°41 | 2°10 | 28° 4 | 2°43 | 12°45 | 10°18 | 12°19 | 12° 0 | 22°10 | n.a. | F 26 |
| S 27 | 23 15 37 | 17°22'58 | 26°22 | 18°48 | 28°49 | 16°15 | 2°17 | 28°11 | 2°43 | 12°48 | 10°19 | 12°18 | 11°57 | 22°16 | n.a. | S 27 |
| S 28 | 23 19 34 | 18°23'38 | 10♏20 | 20°24 | 0♏ 1 | 16°50 | 2°24 | 28°17 | 2°43 | 12°50 | 10°20 | 12°17 | 11°54 | 22°23 | n.a. | S 28 |
| M29 | 23 23 30 | 19°24'19 | 24°25 | 22° 0 | 1°12 | 17°24 | 2°31 | 28°24 | 2°43 | 12°52 | 10°21 | 12°17 | 11°50 | 22°30 | n.a. | M29 |
| T 30 | 23 27 27 | 20♍25'01 | 8♐34 | 23♍35 | 2♏23 | 17♋59 | 2♋38 | 28♌31 | 2♊43 | 12♍54 | 10♋22 | 12♓16 | 11♓47 | 22♊37 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14n42 | 20s35 | 4s36 | 21n 2 | 1n53 | 0n37 | 0s21 | 24n58 | 1n 3 | 24n23 | 0n28 | 15n28 | 2n11 | 21n 9 | 0n 4 | 9n 6 | 1n59 | 34n58 | 11n26 | 7s 1 | 6s41 | 28n35 | | n.a. |
| T 2 | 14 22 | 24 57 | 5 5 | 20 40 | 1 55 | 0 5 | 0 25 | 24 59 | 1 4 | 24 23 | 0 28 | 15 26 | 2 11 | 21 9 | 0 5 | 9 5 | 1 59 | 34 58 | 11 27 | 7 1 | 6 42 | 28 36 | | n.a. |
| W 3 | 14 2 | 27 52 | 5 15 | 20 16 | 1 57 | 0s28 | 0 28 | 24 59 | 1 4 | 24 24 | 0 28 | 15 23 | 2 11 | 21 9 | 0 5 | 9 4 | 1 59 | 34 58 | 11 27 | 7 2 | 6 43 | 28 36 | | n.a. |
| T 4 | 13 42 | 28 58 | 5 6 | 19 49 | 1 58 | 1 0 | 0 32 | 24 59 | 1 5 | 24 24 | 0 29 | 15 21 | 2 11 | 21 10 | 0 5 | 9 3 | 1 59 | 34 58 | 11 27 | 7 2 | 6 45 | 28 37 | | n.a. |
| F 5 | 13 21 | 28 5 | 4 37 | 19 21 | 1 58 | 1 33 | 0 35 | 24 59 | 1 6 | 24 24 | 0 29 | 15 18 | 2 11 | 21 10 | 0 5 | 9 2 | 1 59 | 34 59 | 11 28 | 7 3 | 6 46 | 28 37 | | n.a. |
| S 6 | 13 1 | 25 17 | 3 51 | 18 51 | 1 57 | 2 5 | 0 38 | 24 58 | 1 7 | 24 24 | 0 29 | 15 16 | 2 11 | 21 10 | 0 5 | 9 1 | 1 59 | 34 59 | 11 28 | 7 4 | 6 47 | 28 38 | | n.a. |
| S 7 | 12 40 | 20 53 | 2 50 | 18 20 | 1 56 | 2 38 | 0 42 | 24 58 | 1 7 | 24 25 | 0 29 | 15 13 | 2 11 | 21 10 | 0 5 | 9 1 | 1 59 | 34 59 | 11 28 | 7 5 | 6 48 | 28 38 | | n.a. |
| M 8 | 12 19 | 15 20 | 1 39 | 17 47 | 1 55 | 3 10 | 0 45 | 24 57 | 1 8 | 24 25 | 0 29 | 15 11 | 2 11 | 21 11 | 0 5 | 9 0 | 1 59 | 34 59 | 11 29 | 7 5 | 6 50 | 28 38 | | n.a. |
| T 9 | 11 57 | 9 5 | 0 23 | 17 13 | 1 52 | 3 42 | 0 49 | 24 57 | 1 9 | 24 25 | 0 29 | 15 8 | 2 11 | 21 11 | 0 5 | 8 59 | 1 59 | 34 59 | 11 29 | 7 6 | 6 51 | 28 39 | | n.a. |
| W10 | 11 36 | 2 33 | 0n52 | 16 37 | 1 50 | 4 14 | 0 52 | 24 56 | 1 10 | 24 25 | 0 30 | 15 6 | 2 11 | 21 11 | 0 5 | 8 58 | 1 59 | 35 0 | 11 29 | 7 6 | 6 52 | 28 39 | | n.a. |
| T 11 | 11 14 | 3n55 | 2 3 | 16 1 | 1 47 | 4 46 | 0 55 | 24 55 | 1 10 | 24 25 | 0 30 | 15 4 | 2 11 | 21 11 | 0 5 | 8 57 | 1 59 | 35 0 | 11 30 | 7 5 | 6 53 | 28 40 | | n.a. |
| F 12 | 10 52 | 10 2 | 3 5 | 15 23 | 1 43 | 5 18 | 0 59 | 24 53 | 1 11 | 24 26 | 0 30 | 15 1 | 2 12 | 21 11 | 0 5 | 8 56 | 1 59 | 35 0 | 11 30 | 7 5 | 6 55 | 28 40 | | n.a. |
| S 13 | 10 30 | 15 36 | 3 57 | 14 44 | 1 39 | 5 50 | 1 2 | 24 52 | 1 12 | 24 26 | 0 30 | 14 59 | 2 12 | 21 11 | 0 5 | 8 55 | 1 59 | 35 0 | 11 30 | 7 5 | 6 56 | 28 40 | | n.a. |
| S 14 | 10 8 | 20 25 | 4 36 | 14 5 | 1 35 | 6 22 | 1 6 | 24 50 | 1 13 | 24 26 | 0 30 | 14 56 | 2 12 | 21 12 | 0 5 | 8 55 | 1 59 | 35 0 | 11 31 | 7 4 | 6 57 | 28 41 | | n.a. |
| M15 | 9 46 | 24 18 | 5 3 | 13 25 | 1 30 | 6 53 | 1 9 | 24 49 | 1 13 | 24 26 | 0 31 | 14 54 | 2 12 | 21 12 | 0 5 | 8 54 | 1 59 | 35 1 | 11 31 | 7 4 | 6 58 | 28 41 | | n.a. |
| T 16 | 9 23 | 27 6 | 5 15 | 12 44 | 1 26 | 7 25 | 1 12 | 24 47 | 1 14 | 24 26 | 0 31 | 14 51 | 2 12 | 21 12 | 0 5 | 8 53 | 1 59 | 35 1 | 11 31 | 7 4 | 7 0 | 28 42 | | n.a. |
| W17 | 9 0 | 28 41 | 5 15 | 12 3 | 1 20 | 7 56 | 1 16 | 24 45 | 1 15 | 24 26 | 0 31 | 14 49 | 2 12 | 21 12 | 0 5 | 8 52 | 1 59 | 35 1 | 11 32 | 7 4 | 7 1 | 28 42 | | n.a. |
| T 18 | 8 37 | 28 56 | 5 1 | 11 21 | 1 15 | 8 27 | 1 19 | 24 43 | 1 16 | 24 26 | 0 31 | 14 46 | 2 12 | 21 12 | 0 5 | 8 51 | 1 59 | 35 1 | 11 32 | 7 4 | 7 2 | 28 42 | | n.a. |
| F 19 | 8 14 | 27 50 | 4 33 | 10 39 | 1 10 | 8 58 | 1 22 | 24 40 | 1 16 | 24 26 | 0 31 | 14 44 | 2 12 | 21 12 | 0 5 | 8 50 | 1 59 | 35 2 | 11 32 | 7 4 | 7 3 | 28 43 | | n.a. |
| S 20 | 7 51 | 25 25 | 3 54 | 9 56 | 1 4 | 9 29 | 1 26 | 24 38 | 1 17 | 24 27 | 0 31 | 14 42 | 2 12 | 21 12 | 0 5 | 8 49 | 1 59 | 35 2 | 11 33 | 7 4 | 7 5 | 28 43 | | n.a. |
| S 21 | 7 28 | 21 48 | 3 3 | 9 13 | 0 58 | 9 59 | 1 29 | 24 35 | 1 18 | 24 27 | 0 32 | 14 39 | 2 12 | 21 12 | 0 5 | 8 48 | 1 59 | 35 2 | 11 33 | 7 5 | 7 6 | 28 43 | | n.a. |
| M22 | 7 4 | 17 8 | 2 2 | 8 30 | 0 52 | 10 30 | 1 32 | 24 33 | 1 19 | 24 27 | 0 32 | 14 37 | 2 12 | 21 12 | 0 5 | 8 47 | 1 59 | 35 3 | 11 34 | 7 5 | 7 7 | 28 44 | | n.a. |
| T 23 | 6 41 | 11 38 | 0 54 | 7 46 | 0 46 | 11 0 | 1 35 | 24 30 | 1 20 | 24 27 | 0 32 | 14 34 | 2 12 | 21 12 | 0 5 | 8 47 | 1 59 | 35 3 | 11 34 | 7 5 | 7 8 | 28 44 | | n.a. |
| W24 | 6 17 | 5 30 | 0s18 | 7 3 | 0 40 | 11 29 | 1 38 | 24 27 | 1 20 | 24 27 | 0 32 | 14 32 | 2 12 | 21 12 | 0 5 | 8 46 | 1 59 | 35 3 | 11 34 | 7 5 | 7 10 | 28 44 | | n.a. |
| T 25 | 5 53 | 0s58 | 1 31 | 6 19 | 0 34 | 11 59 | 1 42 | 24 24 | 1 21 | 24 27 | 0 32 | 14 30 | 2 12 | 21 12 | 0 5 | 8 45 | 1 59 | 35 3 | 11 35 | 7 5 | 7 11 | 28 44 | | n.a. |
| F 26 | 5 29 | 7 30 | 2 40 | 5 35 | 0 28 | 12 28 | 1 45 | 24 20 | 1 22 | 24 27 | 0 33 | 14 27 | 2 13 | 21 12 | 0 5 | 8 44 | 1 59 | 35 4 | 11 35 | 7 5 | 7 12 | 28 45 | | n.a. |
| S 27 | 5 5 | 13 47 | 3 40 | 4 50 | 0 21 | 12 57 | 1 48 | 24 17 | 1 23 | 24 27 | 0 33 | 14 25 | 2 13 | 21 12 | 0 5 | 8 43 | 1 59 | 35 4 | 11 35 | 7 5 | 7 13 | 28 45 | | n.a. |
| S 28 | 4 41 | 19 27 | 4 29 | 4 6 | 0 15 | 13 26 | 1 51 | 24 13 | 1 24 | 24 27 | 0 33 | 14 23 | 2 13 | 21 12 | 0 5 | 8 42 | 1 59 | 35 4 | 11 36 | 7 5 | 7 14 | 28 45 | | n.a. |
| M29 | 4 17 | 24 7 | 5 1 | 3 22 | 0 8 | 13 54 | 1 54 | 24 10 | 1 24 | 24 27 | 0 33 | 14 20 | 2 13 | 21 12 | 0 5 | 8 41 | 1 59 | 35 5 | 11 36 | 7 5 | 7 16 | 28 45 | | n.a. |
| T 30 | 3n52 | 27s22 | 5s16 | 2n38 | 0n 2 | 14s22 | 1s57 | 24n 6 | 1n25 | 24n27 | 0n34 | 14n18 | 2n13 | 21n12 | 0n 5 | 8n40 | 1n59 | 35n 5 | 11n37 | 7s 6 | 7s17 | 28n46 | | n.a. |

Julian Day Number = 992627.5, Delta T = 13h00m39s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'57, Lahiri = -31°27'57 Julian Calendar 1 Sept. 1996 BCE == Greg. Calendar 15 Aug. 1996 BCE


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## OCTOBER 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 31 23 | 21♍25'45 | 22♐46 | 25♍10 | 3♏33 | 18♋33 | 2♋44 | 28♌38 | 2°R42 | 12♍57 | 10♋22 | 12°D16 | 11♓44 | 22♊43 | n.a. | W 1 |
| T 2 | 23 35 20 | 22°26'30 | 6♑57 | 26°45 | 4°44 | 19° 7 | 2°51 | 28°45 | 2♊42 | 12°59 | 10°23 | 12♓16 | 11°41 | 22°50 | n.a. | T 2 |
| F 3 | 23 39 17 | 23°27'16 | 21° 6 | 28°19 | 5°55 | 19°41 | 2°57 | 28°51 | 2°42 | 13° 1 | 10°24 | 12°17 | 11°38 | 22°57 | n.a. | F 3 |
| S 4 | 23 43 13 | 24°28'03 | 5♒10 | 29°53 | 7° 6 | 20°15 | 3° 3 | 28°58 | 2°41 | 13° 3 | 10°25 | 12°18 | 11°35 | 23° 3 | n.a. | S 4 |
| S 5 | 23 47 10 | 25°28'52 | 19° 7 | 1♎27 | 8°16 | 20°49 | 3° 9 | 29° 5 | 2°41 | 13° 6 | 10°26 | 12°19 | 11°31 | 23°10 | n.a. | S 5 |
| M 6 | 23 51 6 | 26°29'42 | 2♓55 | 3° 1 | 9°27 | 21°23 | 3°15 | 29°11 | 2°40 | 13° 8 | 10°27 | 12°20 | 11°28 | 23°17 | n.a. | M 6 |
| T 7 | 23 55 3 | 27°30'33 | 16°31 | 4°34 | 10°37 | 21°57 | 3°21 | 29°18 | 2°40 | 13°10 | 10°27 | 12°R20 | 11°25 | 23°24 | n.a. | T 7 |
| W 8 | 23 58 59 | 28°31'25 | 29°53 | 6° 7 | 11°47 | 22°31 | 3°27 | 29°25 | 2°39 | 13°12 | 10°28 | 12°19 | 11°22 | 23°30 | n.a. | W 8 |
| T 9 | 0 2 56 | 29°32'19 | 13♈ 0 | 7°40 | 12°58 | 23° 5 | 3°32 | 29°31 | 2°38 | 13°14 | 10°29 | 12°18 | 11°19 | 23°37 | n.a. | T 9 |
| F 10 | 0 6 52 | 0♎33'14 | 25°50 | 9°13 | 14° 8 | 23°38 | 3°37 | 29°38 | 2°37 | 13°17 | 10°29 | 12°15 | 11°15 | 23°44 | n.a. | F 10 |
| S 11 | 0 10 49 | 1°34'11 | 8♉24 | 10°46 | 15°18 | 24°12 | 3°42 | 29°44 | 2°37 | 13°19 | 10°30 | 12°12 | 11°12 | 23°50 | n.a. | S 11 |
| S 12 | 0 14 46 | 2°35'09 | 20°44 | 12°19 | 16°28 | 24°45 | 3°47 | 29°50 | 2°36 | 13°21 | 10°30 | 12° 9 | 11° 9 | 23°57 | n.a. | S 12 |
| M13 | 0 18 42 | 3°36'09 | 2♊51 | 13°51 | 17°37 | 25°18 | 3°52 | 29°57 | 2°35 | 13°23 | 10°31 | 12° 6 | 11° 6 | 24° 4 | n.a. | M13 |
| T 14 | 0 22 39 | 4°37'10 | 14°49 | 15°23 | 18°47 | 25°52 | 3°56 | 0♍ 3 | 2°34 | 13°25 | 10°31 | 12° 3 | 11° 3 | 24°11 | n.a. | T 14 |
| W15 | 0 26 35 | 5°38'13 | 26°41 | 16°55 | 19°56 | 26°25 | 4° 1 | 0° 9 | 2°33 | 13°27 | 10°32 | 12° 2 | 11° 0 | 24°17 | n.a. | W15 |
| T 16 | 0 30 32 | 6°39'17 | 8♋34 | 18°27 | 21° 6 | 26°58 | 4° 5 | 0°16 | 2°32 | 13°29 | 10°32 | 12°D 2 | 10°56 | 24°24 | n.a. | T 16 |
| F 17 | 0 34 28 | 7°40'22 | 20°30 | 19°59 | 22°15 | 27°31 | 4° 9 | 0°22 | 2°31 | 13°32 | 10°33 | 12° 2 | 10°53 | 24°31 | n.a. | F 17 |
| S 18 | 0 38 25 | 8°41'29 | 2♌36 | 21°31 | 23°24 | 28° 4 | 4°13 | 0°28 | 2°29 | 13°34 | 10°33 | 12° 4 | 10°50 | 24°38 | n.a. | S 18 |
| S 19 | 0 42 21 | 9°42'37 | 14°55 | 23° 2 | 24°33 | 28°36 | 4°17 | 0°34 | 2°28 | 13°36 | 10°33 | 12° 6 | 10°47 | 24°44 | n.a. | S 19 |
| M20 | 0 46 18 | 10°43'46 | 27°32 | 24°33 | 25°42 | 29° 9 | 4°20 | 0°40 | 2°27 | 13°38 | 10°34 | 12° 7 | 10°44 | 24°51 | n.a. | M20 |
| T 21 | 0 50 15 | 11°44'56 | 10♍30 | 26° 4 | 26°51 | 29°42 | 4°23 | 0°46 | 2°25 | 13°40 | 10°34 | 12°R 8 | 10°41 | 24°58 | n.a. | T 21 |
| W22 | 0 54 11 | 12°46'07 | 23°51 | 27°34 | 28° 0 | 0♌14 | 4°27 | 0°52 | 2°24 | 13°42 | 10°34 | 12° 7 | 10°37 | 25° 4 | n.a. | W22 |
| T 23 | 0 58 8 | 13°47'20 | 7♎34 | 29° 5 | 29° 8 | 0°47 | 4°29 | 0°58 | 2°23 | 13°44 | 10°35 | 12° 5 | 10°34 | 25°11 | n.a. | T 23 |
| F 24 | 1 2 4 | 14°48'33 | 21°36 | 0♏34 | 0♐17 | 1°19 | 4°32 | 1° 4 | 2°21 | 13°46 | 10°35 | 12° 1 | 10°31 | 25°18 | n.a. | F 24 |
| S 25 | 1 6 1 | 15°49'47 | 5♏54 | 2° 3 | 1°25 | 1°51 | 4°35 | 1° 9 | 2°20 | 13°48 | 10°35 | 11°56 | 10°28 | 25°25 | n.a. | S 25 |
| S 26 | 1 9 57 | 16°51'01 | 20°23 | 3°32 | 2°33 | 2°23 | 4°37 | 1°15 | 2°18 | 13°50 | 10°35 | 11°51 | 10°25 | 25°31 | n.a. | S 26 |
| M27 | 1 13 54 | 17°52'17 | 4♐54 | 4°59 | 3°41 | 2°55 | 4°39 | 1°21 | 2°16 | 13°52 | 10°35 | 11°45 | 10°21 | 25°38 | n.a. | M27 |
| T 28 | 1 17 50 | 18°53'33 | 19°23 | 6°26 | 4°48 | 3°27 | 4°41 | 1°26 | 2°15 | 13°54 | 10°35 | 11°41 | 10°18 | 25°45 | n.a. | T 28 |
| W29 | 1 21 47 | 19°54'49 | 3♑45 | 7°52 | 5°56 | 3°58 | 4°43 | 1°32 | 2°13 | 13°56 | 10°35 | 11°38 | 10°15 | 25°51 | n.a. | W29 |
| T 30 | 1 25 44 | 20°56'05 | 17°57 | 9°16 | 7° 3 | 4°30 | 4°45 | 1°37 | 2°11 | 13°58 | 10°R35 | 11°D37 | 10°12 | 25°58 | n.a. | T 30 |
| F 31 | 1 29 40 | 21♎57'22 | 1♒55 | 10♏39 | 8♐10 | 5♌ 1 | 4♋46 | 1♍43 | 2♊10 | 13♍59 | 10♋35 | 11♓37 | 10♓ 9 | 26♊ 5 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 3n28 | 28s54 | 5s11 | 1n53 | 0s 5 | 14s49 | 2s 0 | 24n 2 | 1n26 | 24n28 | 0n34 | 14n16 | 2n13 | 21n12 | 0n 5 | 8n40 | 1n59 | 35n 5 | 11n37 | 7s 6 | 7s18 | 28n46 | | | n.a. |
| T 2 | 3 3 | 28 32 | 4 48 | 1 9 | 0 11 | 15 17 | 2 2 | 23 58 | 1 27 | 24 28 | 0 34 | 14 13 | 2 13 | 21 12 | 0 5 | 8 39 | 1 59 | 35 6 | 11 37 | 7 6 | 7 19 | 28 46 | | | n.a. |
| F 3 | 2 39 | 26 18 | 4 7 | 0 25 | 0 17 | 15 43 | 2 5 | 23 54 | 1 28 | 24 28 | 0 34 | 14 11 | 2 13 | 21 12 | 0 5 | 8 38 | 1 59 | 35 6 | 11 38 | 7 5 | 7 21 | 28 46 | | | n.a. |
| S 4 | 2 14 | 22 27 | 3 11 | 0s19 | 0 24 | 16 10 | 2 8 | 23 49 | 1 29 | 24 28 | 0 34 | 14 9 | 2 13 | 21 12 | 0 5 | 8 37 | 1 59 | 35 6 | 11 38 | 7 5 | 7 22 | 28 47 | | | n.a. |
| S 5 | 1 50 | 17 22 | 2 5 | 1 3 | 0 30 | 16 36 | 2 10 | 23 45 | 1 29 | 24 28 | 0 35 | 14 6 | 2 14 | 21 12 | 0 5 | 8 36 | 1 59 | 35 7 | 11 39 | 7 5 | 7 23 | 28 47 | | | n.a. |
| M 6 | 1 25 | 11 27 | 0 52 | 1 47 | 0 37 | 17 2 | 2 13 | 23 40 | 1 30 | 24 28 | 0 35 | 14 4 | 2 14 | 21 12 | 0 5 | 8 35 | 1 59 | 35 7 | 11 39 | 7 4 | 7 24 | 28 47 | | | n.a. |
| T 7 | 1 1 | 5 4 | 0n23 | 2 30 | 0 43 | 17 27 | 2 16 | 23 36 | 1 31 | 24 28 | 0 35 | 14 2 | 2 14 | 21 12 | 0 5 | 8 35 | 1 59 | 35 7 | 11 39 | 7 4 | 7 26 | 28 47 | | | n.a. |
| W 8 | 0 36 | 1n24 | 1 35 | 3 14 | 0 49 | 17 52 | 2 18 | 23 31 | 1 32 | 24 28 | 0 35 | 14 0 | 2 14 | 21 12 | 0 5 | 8 34 | 1 59 | 35 8 | 11 40 | 7 4 | 7 27 | 28 47 | | | n.a. |
| T 9 | 0 11 | 7 42 | 2 41 | 3 57 | 0 55 | 18 16 | 2 20 | 23 26 | 1 33 | 24 28 | 0 35 | 13 58 | 2 14 | 21 12 | 0 5 | 8 33 | 1 59 | 35 8 | 11 40 | 7 5 | 7 28 | 28 47 | | | n.a. |
| F 10 | 0s13 | 13 32 | 3 37 | 4 40 | 1 1 | 18 40 | 2 23 | 23 21 | 1 34 | 24 28 | 0 36 | 13 55 | 2 14 | 21 11 | 0 5 | 8 32 | 1 59 | 35 8 | 11 41 | 7 6 | 7 29 | 28 48 | | | n.a. |
| S 11 | 0 38 | 18 42 | 4 22 | 5 22 | 1 7 | 19 3 | 2 25 | 23 16 | 1 34 | 24 28 | 0 36 | 13 53 | 2 14 | 21 11 | 0 5 | 8 31 | 1 59 | 35 9 | 11 41 | 7 7 | 7 30 | 28 48 | | | n.a. |
| S 12 | 1 3 | 22 59 | 4 53 | 6 5 | 1 13 | 19 26 | 2 27 | 23 10 | 1 35 | 24 28 | 0 36 | 13 51 | 2 15 | 21 11 | 0 5 | 8 30 | 1 59 | 35 9 | 11 42 | 7 9 | 7 32 | 28 48 | | | n.a. |
| M13 | 1 28 | 26 13 | 5 10 | 6 47 | 1 19 | 19 49 | 2 29 | 23 5 | 1 36 | 24 28 | 0 36 | 13 49 | 2 15 | 21 11 | 0 5 | 8 30 | 1 59 | 35 9 | 11 42 | 7 10 | 7 33 | 28 48 | | | n.a. |
| T 14 | 1 52 | 28 14 | 5 14 | 7 28 | 1 24 | 20 11 | 2 31 | 23 0 | 1 37 | 24 29 | 0 37 | 13 47 | 2 15 | 21 11 | 0 5 | 8 29 | 2 0 | 35 10 | 11 42 | 7 11 | 7 34 | 28 48 | | | n.a. |
| W15 | 2 17 | 28 57 | 5 4 | 8 9 | 1 30 | 20 32 | 2 33 | 22 54 | 1 38 | 24 29 | 0 37 | 13 45 | 2 15 | 21 11 | 0 5 | 8 28 | 2 0 | 35 10 | 11 43 | 7 11 | 7 35 | 28 48 | | | n.a. |
| T 16 | 2 42 | 28 19 | 4 41 | 8 50 | 1 35 | 20 53 | 2 35 | 22 48 | 1 39 | 24 29 | 0 37 | 13 42 | 2 15 | 21 10 | 0 5 | 8 27 | 2 0 | 35 11 | 11 43 | 7 11 | 7 37 | 28 48 | | | n.a. |
| F 17 | 3 6 | 26 23 | 4 6 | 9 30 | 1 40 | 21 13 | 2 37 | 22 43 | 1 40 | 24 29 | 0 37 | 13 40 | 2 15 | 21 10 | 0 5 | 8 26 | 2 0 | 35 11 | 11 44 | 7 11 | 7 38 | 28 48 | | | n.a. |
| S 18 | 3 31 | 23 13 | 3 20 | 10 10 | 1 45 | 21 33 | 2 38 | 22 37 | 1 41 | 24 29 | 0 38 | 13 38 | 2 15 | 21 10 | 0 5 | 8 25 | 2 0 | 35 11 | 11 44 | 7 11 | 7 39 | 28 48 | | | n.a. |
| S 19 | 3 55 | 18 58 | 2 24 | 10 49 | 1 49 | 21 52 | 2 40 | 22 31 | 1 42 | 24 29 | 0 38 | 13 36 | 2 16 | 21 10 | 0 5 | 8 25 | 2 0 | 35 12 | 11 45 | 7 10 | 7 40 | 28 49 | | | n.a. |
| M20 | 4 20 | 13 48 | 1 19 | 11 27 | 1 54 | 22 11 | 2 41 | 22 25 | 1 43 | 24 29 | 0 38 | 13 34 | 2 16 | 21 10 | 0 5 | 8 24 | 2 0 | 35 12 | 11 45 | 7 9 | 7 42 | 28 49 | | | n.a. |
| T 21 | 4 44 | 7 55 | 0 9 | 12 5 | 1 58 | 22 29 | 2 43 | 22 19 | 1 43 | 24 29 | 0 38 | 13 32 | 2 16 | 21 9 | 0 5 | 8 23 | 2 0 | 35 13 | 11 45 | 7 9 | 7 43 | 28 49 | | | n.a. |
| W22 | 5 9 | 1 31 | 1s 4 | 12 42 | 2 1 | 22 46 | 2 44 | 22 13 | 1 44 | 24 29 | 0 38 | 13 30 | 2 16 | 21 9 | 0 5 | 8 22 | 2 0 | 35 13 | 11 46 | 7 9 | 7 44 | 28 49 | | | n.a. |
| T 23 | 5 33 | 5s 7 | 2 14 | 13 18 | 2 5 | 23 3 | 2 45 | 22 6 | 1 45 | 24 30 | 0 39 | 13 28 | 2 16 | 21 9 | 0 5 | 8 22 | 2 0 | 35 13 | 11 46 | 7 10 | 7 45 | 28 49 | | | n.a. |
| F 24 | 5 57 | 11 39 | 3 19 | 13 54 | 2 8 | 23 20 | 2 46 | 22 0 | 1 46 | 24 30 | 0 39 | 13 26 | 2 16 | 21 8 | 0 5 | 8 21 | 2 0 | 35 14 | 11 47 | 7 11 | 7 46 | 28 49 | | | n.a. |
| S 25 | 6 21 | 17 42 | 4 12 | 14 28 | 2 11 | 23 35 | 2 47 | 21 53 | 1 47 | 24 30 | 0 39 | 13 24 | 2 17 | 21 8 | 0 5 | 8 20 | 2 0 | 35 14 | 11 47 | 7 13 | 7 48 | 28 49 | | | n.a. |
| S 26 | 6 45 | 22 50 | 4 49 | 15 1 | 2 13 | 23 50 | 2 48 | 21 47 | 1 48 | 24 30 | 0 39 | 13 22 | 2 17 | 21 8 | 0 5 | 8 19 | 2 0 | 35 15 | 11 48 | 7 16 | 7 49 | 28 49 | | | n.a. |
| M27 | 7 9 | 26 36 | 5 8 | 15 34 | 2 15 | 24 4 | 2 49 | 21 40 | 1 49 | 24 30 | 0 40 | 13 20 | 2 17 | 21 8 | 0 5 | 8 19 | 2 0 | 35 15 | 11 48 | 7 18 | 7 50 | 28 49 | | | n.a. |
| T 28 | 7 33 | 28 36 | 5 8 | 16 5 | 2 17 | 24 18 | 2 49 | 21 34 | 1 50 | 24 30 | 0 40 | 13 19 | 2 17 | 21 7 | 0 5 | 8 18 | 2 0 | 35 15 | 11 48 | 7 19 | 7 51 | 28 49 | | | n.a. |
| W29 | 7 56 | 28 40 | 4 48 | 16 35 | 2 18 | 24 31 | 2 50 | 21 27 | 1 51 | 24 31 | 0 40 | 13 17 | 2 17 | 21 7 | 0 5 | 8 17 | 2 0 | 35 16 | 11 49 | 7 21 | 7 53 | 28 49 | | | n.a. |
| T 30 | 8 20 | 26 50 | 4 10 | 17 3 | 2 18 | 24 43 | 2 50 | 21 20 | 1 52 | 24 31 | 0 40 | 13 15 | 2 18 | 21 7 | 0 5 | 8 16 | 2 0 | 35 16 | 11 49 | 7 21 | 7 54 | 28 49 | | | n.a. |
| F 31 | 8s43 | 23s21 | 3s19 | 17s30 | 2s18 | 24s55 | 2s50 | 21n13 | 1n53 | 24n31 | 0n41 | 13n13 | 2n18 | 21n 6 | 0n 5 | 8n16 | 2n 0 | 35n17 | 11n50 | 7s21 | 7s55 | 28n49 | | | n.a. |

Julian Day Number = 992657.5, Delta T = 13h00m37s
Ecliptic obliquity = 23°55'35, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'53, Lahiri = -31°27'52 Julian Calendar 1 Oct. 1996 BCE == Greg. Calendar 14 Sept. 1996 BCE

The year -1995 astronomical counting style corresponds to year 1996 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## NOVEMBER 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 33 37 | 22♎58'39 | 15♒41 | 12♏ 0 | 9♐17 | 5♌33 | 4♋48 | 1♍48 | 2°R 8 | 14♍ 1 | 10°R35 | 11♓38 | 10♓ 6 | 26♊12 | n.a. | S 1 |
| S 2 | 1 37 33 | 23°59'56 | 29°15 | 13°19 | 10°24 | 6° 4 | 4°49 | 1°53 | 2♊ 6 | 14° 3 | 10♋35 | 11°40 | 10° 2 | 26°18 | n.a. | S 2 |
| M 3 | 1 41 30 | 25° 1'13 | 12♓36 | 14°36 | 11°30 | 6°35 | 4°50 | 1°59 | 2° 4 | 14° 5 | 10°35 | 11°R40 | 9°59 | 26°25 | n.a. | M 3 |
| T 4 | 1 45 26 | 26° 2'30 | 25°46 | 15°49 | 12°36 | 7° 6 | 4°50 | 2° 4 | 2° 2 | 14° 7 | 10°35 | 11°39 | 9°56 | 26°32 | n.a. | T 4 |
| W 5 | 1 49 23 | 27° 3'47 | 8♈44 | 17° 0 | 13°42 | 7°37 | 4°51 | 2° 9 | 2° 0 | 14° 9 | 10°35 | 11°36 | 9°53 | 26°38 | n.a. | W 5 |
| T 6 | 1 53 20 | 28° 5'05 | 21°32 | 18° 6 | 14°48 | 8° 7 | 4°51 | 2°14 | 1°58 | 14°10 | 10°34 | 11°31 | 9°50 | 26°45 | n.a. | T 6 |
| F 7 | 1 57 16 | 29° 6'23 | 4♉ 8 | 19° 8 | 15°54 | 8°38 | 4°R51 | 2°19 | 1°56 | 14°12 | 10°34 | 11°23 | 9°46 | 26°52 | n.a. | F 7 |
| S 8 | 2 1 13 | 0♏ 7'41 | 16°32 | 20° 5 | 16°59 | 9° 8 | 4°51 | 2°24 | 1°54 | 14°14 | 10°34 | 11°14 | 9°43 | 26°59 | n.a. | S 8 |
| S 9 | 2 5 9 | 1° 9'00 | 28°46 | 20°56 | 18° 4 | 9°39 | 4°51 | 2°28 | 1°52 | 14°15 | 10°34 | 11° 4 | 9°40 | 27° 5 | n.a. | S 9 |
| M10 | 2 9 6 | 2°10'19 | 10♊50 | 21°40 | 19° 9 | 10° 9 | 4°50 | 2°33 | 1°50 | 14°17 | 10°33 | 10°54 | 9°37 | 27°12 | n.a. | M10 |
| T 11 | 2 13 2 | 3°11'38 | 22°47 | 22°17 | 20°13 | 10°39 | 4°49 | 2°38 | 1°48 | 14°19 | 10°33 | 10°45 | 9°34 | 27°19 | n.a. | T 11 |
| W12 | 2 16 59 | 4°12'58 | 4♋38 | 22°45 | 21°17 | 11° 8 | 4°48 | 2°42 | 1°45 | 14°20 | 10°33 | 10°38 | 9°31 | 27°26 | n.a. | W12 |
| T 13 | 2 20 56 | 5°14'18 | 16°29 | 23° 4 | 22°21 | 11°38 | 4°47 | 2°47 | 1°43 | 14°22 | 10°32 | 10°34 | 9°27 | 27°32 | n.a. | T 13 |
| F 14 | 2 24 52 | 6°15'38 | 28°22 | 23°R12 | 23°24 | 12° 8 | 4°46 | 2°51 | 1°41 | 14°24 | 10°32 | 10°32 | 9°24 | 27°39 | n.a. | F 14 |
| S 15 | 2 28 49 | 7°16'58 | 10♌24 | 23° 9 | 24°28 | 12°37 | 4°45 | 2°56 | 1°39 | 14°25 | 10°31 | 10°D31 | 9°21 | 27°46 | n.a. | S 15 |
| S 16 | 2 32 45 | 8°18'18 | 22°40 | 22°55 | 25°31 | 13° 6 | 4°43 | 3° 0 | 1°36 | 14°27 | 10°31 | 10°32 | 9°18 | 27°52 | n.a. | S 16 |
| M17 | 2 36 42 | 9°19'39 | 5♍14 | 22°29 | 26°33 | 13°35 | 4°41 | 3° 4 | 1°34 | 14°28 | 10°30 | 10°R33 | 9°15 | 27°59 | n.a. | M17 |
| T 18 | 2 40 38 | 10°20'59 | 18°12 | 21°51 | 27°35 | 14° 4 | 4°39 | 3° 8 | 1°32 | 14°30 | 10°30 | 10°33 | 9°12 | 28° 6 | n.a. | T 18 |
| W19 | 2 44 35 | 11°22'20 | 1♎36 | 21° 2 | 28°37 | 14°32 | 4°37 | 3°12 | 1°29 | 14°31 | 10°29 | 10°31 | 9° 8 | 28°13 | n.a. | W19 |
| T 20 | 2 48 31 | 12°23'40 | 15°28 | 20° 3 | 29°38 | 15° 1 | 4°34 | 3°16 | 1°27 | 14°32 | 10°28 | 10°26 | 9° 5 | 28°19 | n.a. | T 20 |
| F 21 | 2 52 28 | 13°25'01 | 29°47 | 18°55 | 0♑39 | 15°29 | 4°32 | 3°20 | 1°24 | 14°34 | 10°28 | 10°19 | 9° 2 | 28°26 | n.a. | F 21 |
| S 22 | 2 56 25 | 14°26'21 | 14♏27 | 17°41 | 1°40 | 15°57 | 4°29 | 3°24 | 1°22 | 14°35 | 10°27 | 10° 9 | 8°59 | 28°33 | n.a. | S 22 |
| S 23 | 3 0 21 | 15°27'40 | 29°22 | 16°22 | 2°40 | 16°25 | 4°26 | 3°27 | 1°19 | 14°36 | 10°26 | 9°59 | 8°56 | 28°39 | n.a. | S 23 |
| M24 | 3 4 18 | 16°29'00 | 14♐23 | 15° 2 | 3°40 | 16°53 | 4°23 | 3°31 | 1°17 | 14°38 | 10°25 | 9°48 | 8°52 | 28°46 | n.a. | M24 |
| T 25 | 3 8 14 | 17°30'19 | 29°18 | 13°43 | 4°39 | 17°20 | 4°19 | 3°35 | 1°14 | 14°39 | 10°25 | 9°39 | 8°49 | 28°53 | n.a. | T 25 |
| W26 | 3 12 11 | 18°31'37 | 14♑ 2 | 12°27 | 5°38 | 17°47 | 4°16 | 3°38 | 1°12 | 14°40 | 10°24 | 9°32 | 8°46 | 29° 0 | n.a. | W26 |
| T 27 | 3 16 7 | 19°32'54 | 28°26 | 11°16 | 6°36 | 18°14 | 4°12 | 3°41 | 1° 9 | 14°41 | 10°23 | 9°28 | 8°43 | 29° 6 | n.a. | T 27 |
| F 28 | 3 20 4 | 20°34'10 | 12♒30 | 10°13 | 7°34 | 18°41 | 4° 8 | 3°45 | 1° 7 | 14°43 | 10°22 | 9°26 | 8°40 | 29°13 | n.a. | F 28 |
| S 29 | 3 24 1 | 21°35'25 | 26°13 | 9°18 | 8°31 | 19° 8 | 4° 4 | 3°48 | 1° 4 | 14°44 | 10°21 | 9°D26 | 8°37 | 29°20 | n.a. | S 29 |
| S 30 | 3 27 57 | 22♏36'39 | 9♓36 | 8♏33 | 9♑27 | 19♌34 | 3♋59 | 3♍51 | 1♊ 2 | 14♍45 | 10♋20 | 9°R27 | 8♓33 | 29♊26 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s 7 | 18s37 | 2s16 | 17s55 | 2s17 | 25s 6 | 2s50 | 21n 6 | 1n54 | 24n31 | 0n41 | 13n11 | 2n18 | 21n 6 | 0n 5 | 8n15 | 2n 0 | 35n17 | 11n50 | 7s20 | 7s56 | 28n49 | | n.a. |
| S 2 | 9 30 | 13 1 | 1 7 | 18 18 | 2 15 | 25 16 | 2 50 | 21 0 | 1 55 | 24 31 | 0 41 | 13 10 | 2 18 | 21 5 | 0 5 | 8 14 | 2 0 | 35 18 | 11 51 | 7 20 | 7 57 | 28 49 | | n.a. |
| M 3 | 9 53 | 6 53 | 0n 5 | 18 39 | 2 13 | 25 26 | 2 50 | 20 53 | 1 56 | 24 32 | 0 41 | 13 8 | 2 18 | 21 5 | 0 5 | 8 14 | 2 0 | 35 18 | 11 51 | 7 20 | 7 59 | 28 49 | | n.a. |
| T 4 | 10 15 | 0 34 | 1 15 | 18 59 | 2 10 | 25 34 | 2 50 | 20 45 | 1 57 | 24 32 | 0 42 | 13 6 | 2 19 | 21 5 | 0 5 | 8 13 | 2 0 | 35 18 | 11 51 | 7 20 | 8 0 | 28 49 | | n.a. |
| W 5 | 10 38 | 5n41 | 2 21 | 19 16 | 2 6 | 25 43 | 2 49 | 20 38 | 1 58 | 24 32 | 0 42 | 13 5 | 2 19 | 21 4 | 0 5 | 8 12 | 2 0 | 35 19 | 11 52 | 7 21 | 8 1 | 28 49 | | n.a. |
| T 6 | 11 0 | 11 36 | 3 18 | 19 30 | 2 1 | 25 50 | 2 49 | 20 31 | 1 59 | 24 32 | 0 42 | 13 3 | 2 19 | 21 4 | 0 5 | 8 12 | 2 0 | 35 19 | 11 52 | 7 23 | 8 2 | 28 48 | | n.a. |
| F 7 | 11 23 | 16 58 | 4 4 | 19 42 | 1 55 | 25 57 | 2 48 | 20 24 | 2 0 | 24 33 | 0 42 | 13 1 | 2 19 | 21 4 | 0 5 | 8 11 | 2 0 | 35 20 | 11 53 | 7 26 | 8 4 | 28 48 | | n.a. |
| S 8 | 11 45 | 21 33 | 4 38 | 19 51 | 1 48 | 26 3 | 2 47 | 20 17 | 2 1 | 24 33 | 0 43 | 13 0 | 2 20 | 21 3 | 0 5 | 8 11 | 2 1 | 35 20 | 11 53 | 7 30 | 8 5 | 28 48 | | n.a. |
| S 9 | 12 7 | 25 8 | 4 59 | 19 57 | 1 39 | 26 8 | 2 46 | 20 9 | 2 2 | 24 33 | 0 43 | 12 58 | 2 20 | 21 3 | 0 6 | 8 10 | 2 1 | 35 21 | 11 54 | 7 34 | 8 6 | 28 48 | | n.a. |
| M10 | 12 28 | 27 34 | 5 6 | 20 0 | 1 30 | 26 13 | 2 45 | 20 2 | 2 3 | 24 33 | 0 43 | 12 57 | 2 20 | 21 2 | 0 6 | 8 9 | 2 1 | 35 21 | 11 54 | 7 38 | 8 7 | 28 48 | | n.a. |
| T 11 | 12 50 | 28 42 | 4 59 | 19 59 | 1 19 | 26 17 | 2 44 | 19 55 | 2 4 | 24 34 | 0 43 | 12 55 | 2 20 | 21 2 | 0 6 | 8 9 | 2 1 | 35 22 | 11 54 | 7 41 | 8 8 | 28 48 | | n.a. |
| W12 | 13 11 | 28 30 | 4 40 | 19 54 | 1 7 | 26 20 | 2 42 | 19 47 | 2 5 | 24 34 | 0 44 | 12 54 | 2 20 | 21 1 | 0 6 | 8 8 | 2 1 | 35 22 | 11 55 | 7 44 | 8 10 | 28 48 | | n.a. |
| T 13 | 13 32 | 26 59 | 4 8 | 19 46 | 0 53 | 26 22 | 2 41 | 19 40 | 2 7 | 24 34 | 0 44 | 12 52 | 2 21 | 21 1 | 0 6 | 8 8 | 2 1 | 35 22 | 11 55 | 7 45 | 8 11 | 28 48 | | n.a. |
| F 14 | 13 53 | 24 16 | 3 26 | 19 34 | 0 38 | 26 24 | 2 39 | 19 33 | 2 8 | 24 35 | 0 44 | 12 51 | 2 21 | 21 1 | 0 6 | 8 7 | 2 1 | 35 23 | 11 56 | 7 46 | 8 12 | 28 48 | | n.a. |
| S 15 | 14 13 | 20 27 | 2 34 | 19 17 | 0 22 | 26 25 | 2 37 | 19 25 | 2 9 | 24 35 | 0 44 | 12 49 | 2 21 | 21 0 | 0 6 | 8 6 | 2 1 | 35 23 | 11 56 | 7 46 | 8 13 | 28 47 | | n.a. |
| S 16 | 14 34 | 15 43 | 1 34 | 18 56 | 0 4 | 26 26 | 2 35 | 19 18 | 2 10 | 24 35 | 0 45 | 12 48 | 2 21 | 21 0 | 0 6 | 8 6 | 2 1 | 35 24 | 11 56 | 7 46 | 8 15 | 28 47 | | n.a. |
| M17 | 14 54 | 10 13 | 0 28 | 18 32 | 0n15 | 26 25 | 2 33 | 19 10 | 2 11 | 24 35 | 0 45 | 12 47 | 2 22 | 20 59 | 0 6 | 8 5 | 2 1 | 35 24 | 11 57 | 7 46 | 8 16 | 28 47 | | n.a. |
| T 18 | 15 13 | 4 8 | 0s41 | 18 3 | 0 34 | 26 24 | 2 30 | 19 3 | 2 12 | 24 36 | 0 45 | 12 45 | 2 22 | 20 59 | 0 6 | 8 5 | 2 1 | 35 25 | 11 57 | 7 46 | 8 17 | 28 47 | | n.a. |
| W19 | 15 33 | 2s19 | 1 50 | 17 31 | 0 54 | 26 23 | 2 28 | 18 55 | 2 13 | 24 36 | 0 46 | 12 44 | 2 22 | 20 58 | 0 6 | 8 4 | 2 1 | 35 25 | 11 58 | 7 47 | 8 18 | 28 47 | | n.a. |
| T 20 | 15 52 | 8 53 | 2 55 | 16 55 | 1 14 | 26 20 | 2 25 | 18 48 | 2 14 | 24 36 | 0 46 | 12 43 | 2 22 | 20 58 | 0 6 | 8 4 | 2 1 | 35 26 | 11 58 | 7 48 | 8 19 | 28 46 | | n.a. |
| F 21 | 16 11 | 15 12 | 3 51 | 16 18 | 1 34 | 26 17 | 2 22 | 18 40 | 2 16 | 24 37 | 0 46 | 12 42 | 2 23 | 20 57 | 0 6 | 8 3 | 2 1 | 35 26 | 11 58 | 7 51 | 8 21 | 28 46 | | n.a. |
| S 22 | 16 30 | 20 50 | 4 33 | 15 38 | 1 53 | 26 14 | 2 19 | 18 33 | 2 17 | 24 37 | 0 46 | 12 41 | 2 23 | 20 57 | 0 6 | 8 3 | 2 1 | 35 26 | 11 59 | 7 55 | 8 22 | 28 46 | | n.a. |
| S 23 | 16 48 | 25 15 | 4 57 | 14 59 | 2 11 | 26 9 | 2 16 | 18 25 | 2 18 | 24 38 | 0 47 | 12 39 | 2 23 | 20 56 | 0 6 | 8 2 | 2 1 | 35 27 | 11 59 | 7 59 | 8 23 | 28 46 | | n.a. |
| M24 | 17 6 | 27 58 | 5 1 | 14 20 | 2 27 | 26 4 | 2 12 | 18 18 | 2 19 | 24 38 | 0 47 | 12 38 | 2 23 | 20 56 | 0 6 | 8 2 | 2 1 | 35 27 | 11 59 | 8 3 | 8 24 | 28 46 | | n.a. |
| T 25 | 17 24 | 28 40 | 4 45 | 13 43 | 2 41 | 25 59 | 2 8 | 18 10 | 2 20 | 24 38 | 0 47 | 12 37 | 2 24 | 20 55 | 0 6 | 8 1 | 2 2 | 35 28 | 12 0 | 8 6 | 8 26 | 28 45 | | n.a. |
| W26 | 17 41 | 27 18 | 4 10 | 13 8 | 2 53 | 25 53 | 2 5 | 18 3 | 2 21 | 24 39 | 0 47 | 12 36 | 2 24 | 20 55 | 0 6 | 8 1 | 2 2 | 35 28 | 12 0 | 8 9 | 8 27 | 28 45 | | n.a. |
| T 27 | 17 59 | 24 8 | 3 19 | 12 38 | 3 3 | 25 46 | 2 0 | 17 56 | 2 23 | 24 39 | 0 48 | 12 35 | 2 24 | 20 54 | 0 6 | 8 1 | 2 2 | 35 29 | 12 1 | 8 11 | 8 28 | 28 45 | | n.a. |
| F 28 | 18 15 | 19 36 | 2 18 | 12 11 | 3 10 | 25 38 | 1 56 | 17 48 | 2 24 | 24 39 | 0 48 | 12 34 | 2 24 | 20 54 | 0 6 | 8 0 | 2 2 | 35 29 | 12 1 | 8 11 | 8 29 | 28 45 | | n.a. |
| S 29 | 18 32 | 14 7 | 1 10 | 11 49 | 3 15 | 25 30 | 1 52 | 17 41 | 2 25 | 24 40 | 0 48 | 12 33 | 2 25 | 20 53 | 0 6 | 8 0 | 2 2 | 35 29 | 12 1 | 8 11 | 8 30 | 28 44 | | n.a. |
| S 30 | 18s48 | 8s 7 | 0n 1 | 11s31 | 3n18 | 25s22 | 1s47 | 17n34 | 2n26 | 24n40 | 0n48 | 12n32 | 2n25 | 20n53 | 0n 6 | 7n59 | 2n 2 | 35n30 | 12n 2 | 8s11 | 8s32 | 28n44 | | n.a. |

Julian Day Number = 992688.5, Delta T = 13h00m35s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'49, Lahiri = -31°27'48 Julian Calendar 1 Nov. 1996 BCE == Greg. Calendar 15 Oct. 1996 BCE


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# ASTRODIENST EPHEMERIS for the year 1996 BCE
# geocentric

## DECEMBER 1996 BCE (-1995) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 31 54 | 23♏37'53 | 22♓41 | 7°R57 | 10♑23 | 20♌ 0 | 3°R55 | 3♍54 | 0°R59 | 14♍46 | 10°R20 | 9°R26 | 8♓30 | 29♊33 | n.a. | M 1 |
| T 2 | 3 35 50 | 24°39'05 | 5♈32 | 7♏30 | 11°19 | 20°26 | 3♋50 | 3°57 | 0♊56 | 14°47 | 10♋19 | 9♓23 | 8°27 | 29°40 | n.a. | T 2 |
| W 3 | 3 39 47 | 25°40'16 | 18°11 | 7°13 | 12°13 | 20°52 | 3°46 | 3°59 | 0°54 | 14°48 | 10°18 | 9°18 | 8°24 | 29°47 | n.a. | W 3 |
| T 4 | 3 43 43 | 26°41'26 | 0♉40 | 7°D 5 | 13° 8 | 21°17 | 3°41 | 4° 2 | 0°51 | 14°49 | 10°17 | 9° 9 | 8°21 | 29°53 | n.a. | T 4 |
| F 5 | 3 47 40 | 27°42'35 | 13° 0 | 7° 6 | 14° 1 | 21°42 | 3°35 | 4° 5 | 0°49 | 14°50 | 10°16 | 8°57 | 8°18 | 29°59 | n.a. | F 5 |
| S 6 | 3 51 37 | 28°43'44 | 25°12 | 7°15 | 14°54 | 22° 7 | 3°30 | 4° 7 | 0°46 | 14°51 | 10°15 | 8°44 | 8°14 | 0♋ 7 | n.a. | S 6 |
| S 7 | 3 55 33 | 29°44'51 | 7♊17 | 7°31 | 15°45 | 22°32 | 3°25 | 4° 9 | 0°43 | 14°52 | 10°14 | 8°29 | 8°11 | 0°13 | n.a. | S 7 |
| M 8 | 3 59 30 | 0♐45'57 | 19°16 | 7°53 | 16°37 | 22°56 | 3°19 | 4°12 | 0°41 | 14°53 | 10°12 | 8°14 | 8° 8 | 0°20 | n.a. | M 8 |
| T 9 | 4 3 26 | 1°47'03 | 1♋ 9 | 8°22 | 17°27 | 23°20 | 3°14 | 4°14 | 0°38 | 14°54 | 10°11 | 8° 1 | 8° 5 | 0°27 | n.a. | T 9 |
| W10 | 4 7 23 | 2°48'08 | 13° 0 | 8°57 | 18°16 | 23°44 | 3° 8 | 4°16 | 0°36 | 14°54 | 10°10 | 7°50 | 8° 2 | 0°34 | n.a. | W10 |
| T 11 | 4 11 19 | 3°49'11 | 24°50 | 9°36 | 19° 5 | 24° 8 | 3° 2 | 4°18 | 0°33 | 14°55 | 10° 9 | 7°42 | 7°58 | 0°40 | n.a. | T 11 |
| F 12 | 4 15 16 | 4°50'14 | 6♌42 | 10°20 | 19°53 | 24°31 | 2°56 | 4°20 | 0°30 | 14°56 | 10° 8 | 7°37 | 7°55 | 0°47 | n.a. | F 12 |
| S 13 | 4 19 12 | 5°51'16 | 18°42 | 11° 9 | 20°40 | 24°54 | 2°49 | 4°22 | 0°28 | 14°57 | 10° 7 | 7°34 | 7°52 | 0°54 | n.a. | S 13 |
| S 14 | 4 23 9 | 6°52'17 | 0♍54 | 12° 1 | 21°25 | 25°17 | 2°43 | 4°23 | 0°25 | 14°57 | 10° 5 | 7°34 | 7°49 | 1° 0 | n.a. | S 14 |
| M15 | 4 27 6 | 7°53'17 | 13°23 | 12°56 | 22°10 | 25°39 | 2°36 | 4°25 | 0°23 | 14°58 | 10° 4 | 7°34 | 7°46 | 1° 7 | n.a. | M15 |
| T 16 | 4 31 2 | 8°54'15 | 26°14 | 13°55 | 22°54 | 26° 1 | 2°30 | 4°27 | 0°20 | 14°59 | 10° 3 | 7°33 | 7°43 | 1°14 | n.a. | T 16 |
| W17 | 4 34 59 | 9°55'13 | 9♎33 | 14°56 | 23°37 | 26°23 | 2°23 | 4°28 | 0°17 | 14°59 | 10° 2 | 7°31 | 7°39 | 1°21 | n.a. | W17 |
| T 18 | 4 38 55 | 10°56'10 | 23°21 | 16° 0 | 24°18 | 26°44 | 2°16 | 4°29 | 0°15 | 15° 0 | 10° 0 | 7°26 | 7°36 | 1°27 | n.a. | T 18 |
| F 19 | 4 42 52 | 11°57'06 | 7♏39 | 17° 6 | 24°59 | 27° 5 | 2° 9 | 4°30 | 0°12 | 15° 0 | 9°59 | 7°18 | 7°33 | 1°34 | n.a. | F 19 |
| S 20 | 4 46 48 | 12°58'00 | 22°25 | 18°15 | 25°38 | 27°26 | 2° 2 | 4°31 | 0°10 | 15° 1 | 9°58 | 7° 8 | 7°30 | 1°41 | n.a. | S 20 |
| S 21 | 4 50 45 | 13°58'54 | 7♐31 | 19°25 | 26°16 | 27°46 | 1°55 | 4°32 | 0° 7 | 15° 1 | 9°57 | 6°56 | 7°27 | 1°47 | n.a. | S 21 |
| M22 | 4 54 42 | 14°59'46 | 22°48 | 20°38 | 26°52 | 28° 6 | 1°48 | 4°33 | 0° 5 | 15° 1 | 9°55 | 6°45 | 7°24 | 1°54 | n.a. | M22 |
| T 23 | 4 58 38 | 16° 0'36 | 8♑ 4 | 21°52 | 27°27 | 28°26 | 1°40 | 4°34 | 0° 2 | 15° 2 | 9°54 | 6°34 | 7°20 | 2° 1 | n.a. | T 23 |
| W24 | 5 2 35 | 17° 1'25 | 23° 8 | 23° 8 | 28° 1 | 28°45 | 1°33 | 4°35 | 29♉59 | 15° 2 | 9°52 | 6°26 | 7°17 | 2° 8 | n.a. | W24 |
| T 25 | 5 6 31 | 18° 2'12 | 7♒52 | 24°25 | 28°33 | 29° 3 | 1°25 | 4°35 | 29°57 | 15° 3 | 9°51 | 6°21 | 7°14 | 2°14 | n.a. | T 25 |
| F 26 | 5 10 28 | 19° 2'57 | 22°11 | 25°43 | 29° 4 | 29°22 | 1°18 | 4°36 | 29°55 | 15° 3 | 9°50 | 6°18 | 7°11 | 2°21 | n.a. | F 26 |
| S 27 | 5 14 24 | 20° 3'40 | 6♓ 3 | 27° 3 | 29°33 | 29°40 | 1°10 | 4°36 | 29°52 | 15° 3 | 9°48 | 6°D18 | 7° 8 | 2°28 | n.a. | S 27 |
| S 28 | 5 18 21 | 21° 4'21 | 19°29 | 28°24 | 0♒ 0 | 29°57 | 1° 3 | 4°36 | 29°50 | 15° 3 | 9°47 | 6°R18 | 7° 4 | 2°34 | n.a. | S 28 |
| M29 | 5 22 17 | 22° 5'00 | 2♈32 | 29°47 | 0°26 | 0♍14 | 0°55 | 4°37 | 29°48 | 15° 3 | 9°45 | 6°18 | 7° 1 | 2°41 | n.a. | M29 |
| T 30 | 5 26 14 | 23° 5'37 | 15°17 | 1♐10 | 0°50 | 0°31 | 0°47 | 4°R37 | 29°45 | 15° 3 | 9°44 | 6°15 | 6°58 | 2°48 | n.a. | T 30 |
| W31 | 5 30 11 | 24♐ 6'13 | 27♈45 | 2♐35 | 1♒12 | 0♍47 | 0♋39 | 4♍37 | 29♉43 | 15♍ 4 | 9♋43 | 6♓11 | 6♓55 | 2♋55 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 19s 4 | 1s54 | 1n10 | 11s19 | 3n19 | 25s13 | 1s42 | 17n26 | 2n28 | 24n40 | 0n49 | 12n32 | 2n25 | 20n52 | 0n 6 | 7n59 | 2n 2 | 35n30 | 12n 2 | 8s12 | 8s33 | 28n44 | | | n.a. |
| T 2 | 19 19 | 4n17 | 2 13 | 11 11 | 3 18 | 25 3 | 1 37 | 17 19 | 2 29 | 24 41 | 0 49 | 12 31 | 2 25 | 20 51 | 0 6 | 7 59 | 2 2 | 35 31 | 12 2 | 8 13 | 8 34 | 28 43 | | | n.a. |
| W 3 | 19 34 | 10 11 | 3 9 | 11 8 | 3 16 | 24 53 | 1 32 | 17 12 | 2 30 | 24 41 | 0 49 | 12 30 | 2 26 | 20 51 | 0 6 | 7 58 | 2 2 | 35 31 | 12 3 | 8 15 | 8 35 | 28 43 | | | n.a. |
| T 4 | 19 49 | 15 36 | 3 55 | 11 8 | 3 12 | 24 42 | 1 27 | 17 5 | 2 31 | 24 42 | 0 49 | 12 29 | 2 26 | 20 50 | 0 6 | 7 58 | 2 2 | 35 32 | 12 3 | 8 18 | 8 36 | 28 43 | | | n.a. |
| F 5 | 20 3 | 20 20 | 4 30 | 11 13 | 3 7 | 24 31 | 1 21 | 16 57 | 2 33 | 24 42 | 0 49 | 12 29 | 2 26 | 20 50 | 0 6 | 7 58 | 2 2 | 35 32 | 12 3 | 8 22 | 8 38 | 28 42 | | | n.a. |
| S 6 | 20 17 | 24 9 | 4 51 | 11 21 | 3 1 | 24 19 | 1 15 | 16 50 | 2 34 | 24 42 | 0 50 | 12 28 | 2 27 | 20 49 | 0 6 | 7 57 | 2 2 | 35 32 | 12 4 | 8 28 | 8 39 | 28 42 | | | n.a. |
| S 7 | 20 30 | 26 53 | 4 59 | 11 33 | 2 55 | 24 7 | 1 9 | 16 43 | 2 35 | 24 43 | 0 50 | 12 27 | 2 27 | 20 49 | 0 6 | 7 57 | 2 2 | 35 33 | 12 4 | 8 33 | 8 40 | 28 42 | | | n.a. |
| M 8 | 20 44 | 28 22 | 4 54 | 11 47 | 2 48 | 23 54 | 1 3 | 16 36 | 2 37 | 24 43 | 0 50 | 12 27 | 2 27 | 20 48 | 0 6 | 7 57 | 2 2 | 35 33 | 12 4 | 8 39 | 8 41 | 28 41 | | | n.a. |
| T 9 | 20 56 | 28 31 | 4 36 | 12 4 | 2 40 | 23 41 | 0 56 | 16 29 | 2 38 | 24 44 | 0 50 | 12 26 | 2 27 | 20 48 | 0 6 | 7 57 | 2 2 | 35 34 | 12 5 | 8 44 | 8 42 | 28 41 | | | n.a. |
| W10 | 21 9 | 27 21 | 4 6 | 12 22 | 2 32 | 23 28 | 0 49 | 16 23 | 2 39 | 24 44 | 0 51 | 12 26 | 2 28 | 20 47 | 0 6 | 7 56 | 2 3 | 35 34 | 12 5 | 8 48 | 8 44 | 28 41 | | | n.a. |
| T 11 | 21 21 | 24 57 | 3 25 | 12 43 | 2 24 | 23 14 | 0 42 | 16 16 | 2 41 | 24 44 | 0 51 | 12 25 | 2 28 | 20 47 | 0 6 | 7 56 | 2 3 | 35 34 | 12 5 | 8 51 | 8 45 | 28 40 | | | n.a. |
| F 12 | 21 32 | 21 28 | 2 35 | 13 5 | 2 15 | 23 0 | 0 35 | 16 9 | 2 42 | 24 45 | 0 51 | 12 25 | 2 28 | 20 46 | 0 6 | 7 56 | 2 3 | 35 35 | 12 6 | 8 53 | 8 46 | 28 40 | | | n.a. |
| S 13 | 21 43 | 17 4 | 1 38 | 13 29 | 2 6 | 22 45 | 0 28 | 16 3 | 2 43 | 24 45 | 0 51 | 12 24 | 2 29 | 20 45 | 0 6 | 7 56 | 2 3 | 35 35 | 12 6 | 8 54 | 8 47 | 28 40 | | | n.a. |
| S 14 | 21 54 | 11 55 | 0 35 | 13 54 | 1 57 | 22 30 | 0 20 | 15 56 | 2 45 | 24 45 | 0 52 | 12 24 | 2 29 | 20 45 | 0 6 | 7 55 | 2 3 | 35 36 | 12 6 | 8 54 | 8 49 | 28 39 | | | n.a. |
| M15 | 22 4 | 6 11 | 0s31 | 14 20 | 1 48 | 22 15 | 0 12 | 15 50 | 2 46 | 24 46 | 0 52 | 12 23 | 2 29 | 20 44 | 0 6 | 7 55 | 2 3 | 35 36 | 12 6 | 8 54 | 8 50 | 28 39 | | | n.a. |
| T 16 | 22 14 | 0 3 | 1 37 | 14 46 | 1 39 | 22 0 | 0 4 | 15 43 | 2 48 | 24 46 | 0 52 | 12 23 | 2 29 | 20 44 | 0 6 | 7 55 | 2 3 | 35 36 | 12 7 | 8 55 | 8 51 | 28 38 | | | n.a. |
| W17 | 22 23 | 6s18 | 2 40 | 15 13 | 1 30 | 21 44 | 0n 5 | 15 37 | 2 49 | 24 46 | 0 52 | 12 23 | 2 30 | 20 43 | 0 6 | 7 55 | 2 3 | 35 37 | 12 7 | 8 55 | 8 52 | 28 38 | | | n.a. |
| T 18 | 22 32 | 12 35 | 3 36 | 15 41 | 1 20 | 21 28 | 0 13 | 15 31 | 2 50 | 24 47 | 0 52 | 12 23 | 2 30 | 20 43 | 0 6 | 7 55 | 2 3 | 35 37 | 12 7 | 8 57 | 8 53 | 28 38 | | | n.a. |
| F 19 | 22 41 | 18 27 | 4 21 | 16 9 | 1 11 | 21 12 | 0 22 | 15 25 | 2 52 | 24 47 | 0 53 | 12 23 | 2 30 | 20 42 | 0 6 | 7 55 | 2 3 | 35 38 | 12 7 | 9 0 | 8 55 | 28 37 | | | n.a. |
| S 20 | 22 49 | 23 25 | 4 50 | 16 37 | 1 2 | 20 56 | 0 31 | 15 19 | 2 53 | 24 47 | 0 53 | 12 22 | 2 31 | 20 42 | 0 6 | 7 55 | 2 3 | 35 38 | 12 8 | 9 4 | 8 56 | 28 37 | | | n.a. |
| S 21 | 22 57 | 26 56 | 5 0 | 17 5 | 0 53 | 20 40 | 0 41 | 15 13 | 2 55 | 24 48 | 0 53 | 12 22 | 2 31 | 20 41 | 0 6 | 7 54 | 2 3 | 35 38 | 12 8 | 9 8 | 8 57 | 28 36 | | | n.a. |
| M22 | 23 4 | 28 32 | 4 49 | 17 33 | 0 44 | 20 23 | 0 50 | 15 7 | 2 56 | 24 48 | 0 53 | 12 22 | 2 31 | 20 41 | 0 6 | 7 54 | 2 3 | 35 39 | 12 8 | 9 13 | 8 58 | 28 36 | | | n.a. |
| T 23 | 23 10 | 27 56 | 4 16 | 18 2 | 0 36 | 20 6 | 1 0 | 15 2 | 2 58 | 24 48 | 0 53 | 12 22 | 2 31 | 20 40 | 0 6 | 7 54 | 2 3 | 35 39 | 12 8 | 9 17 | 8 59 | 28 35 | | | n.a. |
| W24 | 23 17 | 25 17 | 3 27 | 18 30 | 0 27 | 19 50 | 1 11 | 14 56 | 2 59 | 24 49 | 0 54 | 12 22 | 2 32 | 20 40 | 0 6 | 7 54 | 2 4 | 35 39 | 12 9 | 9 20 | 9 1 | 28 35 | | | n.a. |
| T 25 | 23 22 | 20 59 | 2 24 | 18 57 | 0 19 | 19 33 | 1 21 | 14 51 | 3 1 | 24 49 | 0 54 | 12 22 | 2 32 | 20 39 | 0 6 | 7 54 | 2 4 | 35 40 | 12 9 | 9 22 | 9 2 | 28 34 | | | n.a. |
| F 26 | 23 28 | 15 34 | 1 14 | 19 25 | 0 10 | 19 16 | 1 32 | 14 46 | 3 2 | 24 49 | 0 54 | 12 22 | 2 32 | 20 38 | 0 6 | 7 54 | 2 4 | 35 40 | 12 9 | 9 23 | 9 3 | 28 34 | | | n.a. |
| S 27 | 23 33 | 9 30 | 0 1 | 19 52 | 0 2 | 18 59 | 1 43 | 14 41 | 3 4 | 24 49 | 0 54 | 12 23 | 2 33 | 20 38 | 0 6 | 7 54 | 2 4 | 35 40 | 12 9 | 9 23 | 9 4 | 28 33 | | | n.a. |
| S 28 | 23 37 | 3 11 | 1n 9 | 20 18 | 0s 6 | 18 43 | 1 54 | 14 36 | 3 5 | 24 50 | 0 54 | 12 23 | 2 33 | 20 37 | 0 6 | 7 54 | 2 4 | 35 41 | 12 9 | 9 23 | 9 5 | 28 33 | | | n.a. |
| M29 | 23 41 | 3n 4 | 2 14 | 20 44 | 0 14 | 18 26 | 2 5 | 14 31 | 3 7 | 24 50 | 0 54 | 12 23 | 2 33 | 20 37 | 0 6 | 7 54 | 2 4 | 35 41 | 12 10 | 9 23 | 9 7 | 28 32 | | | n.a. |
| T 30 | 23 44 | 9 3 | 3 11 | 21 9 | 0 21 | 18 9 | 2 17 | 14 26 | 3 8 | 24 50 | 0 55 | 12 23 | 2 33 | 20 36 | 0 6 | 7 54 | 2 4 | 35 41 | 12 10 | 9 24 | 9 8 | 28 32 | | | n.a. |
| W31 | 23s47 | 14n33 | 3n57 | 21s34 | 0s29 | 17s53 | 2n29 | 14n22 | 3n10 | 24n50 | 0n55 | 12n23 | 2n34 | 20n36 | 0n 6 | 7n54 | 2n 4 | 35n41 | 12n10 | 9s26 | 9s 9 | 28n31 | | | n.a. |

Julian Day Number = 992718.5, Delta T = 13h00m33s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'45, Lahiri = -31°27'44 Julian Calendar 1 Dec. 1996 BCE == Greg. Calendar 14 Nov. 1996 BCE

The year -1995 astronomical counting style corresponds to year 1996 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## JANUARY 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 34 7 | 25♐ 6'46 | 10♉ 2 | 4♐ 0 | 1♒31 | 1♍ 3 | 0°R31 | 4°R36 | 29°R41 | 15♍ 4 | 9°R41 | 6°R 3 | 6♓52 | 3♋ 1 | n.a. | T 1 |
| F 2 | 5 38 4 | 26° 7'17 | 22°10 | 5°27 | 1°49 | 1°18 | 0♋24 | 4♍36 | 29♉38 | 15°R 4 | 9♋40 | 5♓53 | 6°49 | 3° 8 | n.a. | F 2 |
| S 3 | 5 42 0 | 27° 7'47 | 4♊12 | 6°55 | 2° 5 | 1°33 | 0°16 | 4°36 | 29°36 | 15° 4 | 9°38 | 5°41 | 6°45 | 3°15 | n.a. | S 3 |
| S 4 | 5 45 57 | 28° 8'14 | 16° 9 | 8°24 | 2°19 | 1°47 | 0° 8 | 4°35 | 29°34 | 15° 4 | 9°37 | 5°28 | 6°42 | 3°21 | n.a. | S 4 |
| M 5 | 5 49 53 | 29° 8'40 | 28° 2 | 9°54 | 2°30 | 2° 1 | 29♊59 | 4°35 | 29°32 | 15° 4 | 9°35 | 5°15 | 6°39 | 3°28 | n.a. | M 5 |
| T 6 | 5 53 50 | 0♑ 9'04 | 9♋54 | 11°24 | 2°40 | 2°14 | 29°52 | 4°34 | 29°30 | 15° 3 | 9°34 | 5° 3 | 6°36 | 3°35 | n.a. | T 6 |
| W 7 | 5 57 47 | 1° 9'26 | 21°45 | 12°56 | 2°46 | 2°27 | 29°44 | 4°33 | 29°27 | 15° 3 | 9°32 | 4°53 | 6°33 | 3°41 | n.a. | W 7 |
| T 8 | 6 1 43 | 2° 9'46 | 3♌37 | 14°29 | 2°51 | 2°39 | 29°36 | 4°33 | 29°25 | 15° 3 | 9°31 | 4°45 | 6°30 | 3°48 | n.a. | T 8 |
| F 9 | 6 5 40 | 3°10'04 | 15°34 | 16° 3 | 2°R53 | 2°51 | 29°28 | 4°32 | 29°23 | 15° 3 | 9°29 | 4°41 | 6°26 | 3°55 | n.a. | F 9 |
| S 10 | 6 9 36 | 4°10'21 | 27°37 | 17°37 | 2°53 | 3° 2 | 29°20 | 4°31 | 29°21 | 15° 3 | 9°28 | 4°39 | 6°23 | 4° 2 | n.a. | S 10 |
| S 11 | 6 13 33 | 5°10'35 | 9♍50 | 19°13 | 2°50 | 3°13 | 29°13 | 4°29 | 29°19 | 15° 2 | 9°26 | 4°D39 | 6°20 | 4° 8 | n.a. | S 11 |
| M12 | 6 17 29 | 6°10'48 | 22°19 | 20°50 | 2°45 | 3°23 | 29° 5 | 4°28 | 29°17 | 15° 2 | 9°25 | 4°39 | 6°17 | 4°15 | n.a. | M12 |
| T 13 | 6 21 26 | 7°11'00 | 5♎ 6 | 22°28 | 2°37 | 3°32 | 28°57 | 4°27 | 29°15 | 15° 2 | 9°23 | 4°R40 | 6°14 | 4°22 | n.a. | T 13 |
| W14 | 6 25 22 | 8°11'09 | 18°18 | 24° 6 | 2°26 | 3°41 | 28°49 | 4°25 | 29°14 | 15° 1 | 9°22 | 4°40 | 6°10 | 4°28 | n.a. | W14 |
| T 15 | 6 29 19 | 9°11'17 | 1♏56 | 25°46 | 2°13 | 3°50 | 28°42 | 4°24 | 29°12 | 15° 1 | 9°20 | 4°37 | 6° 7 | 4°35 | n.a. | T 15 |
| F 16 | 6 33 15 | 10°11'23 | 16° 4 | 27°27 | 1°58 | 3°57 | 28°34 | 4°22 | 29°10 | 15° 1 | 9°18 | 4°33 | 6° 4 | 4°42 | n.a. | F 16 |
| S 17 | 6 37 12 | 11°11'27 | 0♐39 | 29° 9 | 1°40 | 4° 4 | 28°26 | 4°20 | 29° 8 | 15° 0 | 9°17 | 4°26 | 6° 1 | 4°49 | n.a. | S 17 |
| S 18 | 6 41 9 | 12°11'30 | 15°37 | 0♑52 | 1°20 | 4°10 | 28°19 | 4°19 | 29° 6 | 15° 0 | 9°15 | 4°18 | 5°58 | 4°55 | n.a. | S 18 |
| M19 | 6 45 5 | 13°11'31 | 0♑51 | 2°36 | 0°57 | 4°16 | 28°11 | 4°17 | 29° 5 | 14°59 | 9°14 | 4°10 | 5°55 | 5° 2 | n.a. | M19 |
| T 20 | 6 49 2 | 14°11'29 | 16° 9 | 4°21 | 0°32 | 4°21 | 28° 4 | 4°15 | 29° 3 | 14°58 | 9°12 | 4° 3 | 5°51 | 5° 9 | n.a. | T 20 |
| W21 | 6 52 58 | 15°11'26 | 1♒21 | 6° 7 | 0° 5 | 4°25 | 27°57 | 4°12 | 29° 2 | 14°58 | 9°11 | 3°57 | 5°48 | 5°15 | n.a. | W21 |
| T 22 | 6 56 55 | 16°11'20 | 16°17 | 7°54 | 29♑37 | 4°29 | 27°49 | 4°10 | 29° 0 | 14°57 | 9° 9 | 3°54 | 5°45 | 5°22 | n.a. | T 22 |
| F 23 | 7 0 51 | 17°11'12 | 0♓49 | 9°43 | 29° 6 | 4°32 | 27°42 | 4° 8 | 28°58 | 14°57 | 9° 8 | 3°D52 | 5°42 | 5°29 | n.a. | F 23 |
| S 24 | 7 4 48 | 18°11'01 | 14°54 | 11°32 | 28°33 | 4°34 | 27°35 | 4° 6 | 28°57 | 14°56 | 9° 6 | 3°53 | 5°39 | 5°36 | n.a. | S 24 |
| S 25 | 7 8 44 | 19°10'48 | 28°30 | 13°23 | 27°59 | 4°36 | 27°28 | 4° 3 | 28°56 | 14°55 | 9° 5 | 3°54 | 5°36 | 5°42 | n.a. | S 25 |
| M26 | 7 12 41 | 20°10'32 | 11♈41 | 15°15 | 27°24 | 4°36 | 27°21 | 4° 1 | 28°54 | 14°54 | 9° 3 | 3°55 | 5°32 | 5°49 | n.a. | M26 |
| T 27 | 7 16 38 | 21°10'14 | 24°28 | 17° 8 | 26°48 | 4°R36 | 27°15 | 3°58 | 28°53 | 14°54 | 9° 2 | 3°R55 | 5°29 | 5°56 | n.a. | T 27 |
| W28 | 7 20 34 | 22° 9'54 | 6♉56 | 19° 2 | 26°10 | 4°36 | 27° 8 | 3°55 | 28°52 | 14°53 | 9° 0 | 3°54 | 5°26 | 6° 2 | n.a. | W28 |
| T 29 | 7 24 31 | 23° 9'31 | 19° 9 | 20°57 | 25°33 | 4°34 | 27° 2 | 3°52 | 28°50 | 14°52 | 8°59 | 3°51 | 5°23 | 6° 9 | n.a. | T 29 |
| F 30 | 7 28 27 | 24° 9'06 | 1♊12 | 22°53 | 24°54 | 4°32 | 26°55 | 3°50 | 28°49 | 14°51 | 8°57 | 3°46 | 5°20 | 6°16 | n.a. | F 30 |
| S 31 | 7 32 24 | 25♑ 8'38 | 13♊ 8 | 24♑50 | 24♑16 | 4♍29 | 26♊49 | 3♍47 | 28♉48 | 14♍50 | 8♋56 | 3♓40 | 5♓16 | 6♋22 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 23 s50 | 19n24 | 4n31 | 21 s58 | 0 s36 | 17 s37 | 2n41 | 14n18 | 3n11 | 24n50 | 0n55 | 12n24 | 2n34 | 20n35 | 0n 6 | 7n54 | 2n 4 | 35n42 | 12n10 | 9 s28 | 9 s10 | 28n31 | | | n.a. |
| F 2 | 23 52 | 23 23 | 4 53 | 22 21 | 0 43 | 17 21 | 2 53 | 14 13 | 3 13 | 24 51 | 0 55 | 12 24 | 2 34 | 20 35 | 0 6 | 7 54 | 2 4 | 35 42 | 12 10 | 9 32 | 9 11 | 28 30 | | | n.a. |
| S 3 | 23 54 | 26 20 | 5 1 | 22 43 | 0 49 | 17 5 | 3 6 | 14 9 | 3 15 | 24 51 | 0 55 | 12 24 | 2 35 | 20 34 | 0 6 | 7 54 | 2 4 | 35 42 | 12 11 | 9 37 | 9 13 | 28 29 | | | n.a. |
| S 4 | 23 55 | 28 6 | 4 56 | 23 4 | 0 56 | 16 49 | 3 18 | 14 6 | 3 16 | 24 51 | 0 55 | 12 25 | 2 35 | 20 34 | 0 6 | 7 54 | 2 4 | 35 43 | 12 11 | 9 42 | 9 14 | 28 29 | | | n.a. |
| M 5 | 23 55 | 28 33 | 4 38 | 23 25 | 1 2 | 16 34 | 3 31 | 14 2 | 3 18 | 24 51 | 0 55 | 12 25 | 2 35 | 20 34 | 0 6 | 7 54 | 2 4 | 35 43 | 12 11 | 9 47 | 9 15 | 28 28 | | | n.a. |
| T 6 | 23 56 | 27 40 | 4 8 | 23 44 | 1 8 | 16 19 | 3 44 | 13 59 | 3 19 | 24 51 | 0 56 | 12 26 | 2 35 | 20 33 | 0 6 | 7 55 | 2 5 | 35 43 | 12 11 | 9 51 | 9 16 | 28 28 | | | n.a. |
| W 7 | 23 55 | 25 32 | 3 27 | 24 2 | 1 14 | 16 5 | 3 58 | 13 55 | 3 21 | 24 51 | 0 56 | 12 26 | 2 36 | 20 33 | 0 6 | 7 55 | 2 5 | 35 43 | 12 11 | 9 55 | 9 17 | 28 27 | | | n.a. |
| T 8 | 23 54 | 22 17 | 2 37 | 24 19 | 1 19 | 15 51 | 4 11 | 13 52 | 3 22 | 24 51 | 0 56 | 12 27 | 2 36 | 20 32 | 0 6 | 7 55 | 2 5 | 35 44 | 12 11 | 9 58 | 9 19 | 28 27 | | | n.a. |
| F 9 | 23 53 | 18 5 | 1 40 | 24 35 | 1 25 | 15 38 | 4 24 | 13 49 | 3 24 | 24 51 | 0 56 | 12 28 | 2 36 | 20 32 | 0 6 | 7 55 | 2 5 | 35 44 | 12 11 | 9 59 | 9 20 | 28 26 | | | n.a. |
| S 10 | 23 51 | 13 8 | 0 38 | 24 49 | 1 29 | 15 24 | 4 38 | 13 47 | 3 26 | 24 52 | 0 56 | 12 28 | 2 36 | 20 31 | 0 6 | 7 55 | 2 5 | 35 44 | 12 12 | 10 0 | 9 21 | 28 25 | | | n.a. |
| S 11 | 23 49 | 7 37 | 0 s28 | 25 2 | 1 34 | 15 12 | 4 51 | 13 44 | 3 27 | 24 52 | 0 56 | 12 29 | 2 37 | 20 31 | 0 6 | 7 55 | 2 5 | 35 44 | 12 12 | 10 0 | 9 22 | 28 25 | | | n.a. |
| M12 | 23 47 | 1 41 | 1 33 | 25 14 | 1 38 | 15 0 | 5 5 | 13 42 | 3 29 | 24 52 | 0 56 | 12 30 | 2 37 | 20 30 | 0 6 | 7 55 | 2 5 | 35 45 | 12 12 | 10 0 | 9 23 | 28 24 | | | n.a. |
| T 13 | 23 44 | 4 s26 | 2 36 | 25 24 | 1 42 | 14 49 | 5 18 | 13 40 | 3 30 | 24 52 | 0 56 | 12 30 | 2 37 | 20 30 | 0 6 | 7 56 | 2 5 | 35 45 | 12 12 | 10 0 | 9 25 | 28 23 | | | n.a. |
| W14 | 23 40 | 10 34 | 3 32 | 25 33 | 1 46 | 14 38 | 5 32 | 13 38 | 3 32 | 24 52 | 0 57 | 12 31 | 2 38 | 20 30 | 0 6 | 7 56 | 2 5 | 35 45 | 12 12 | 10 0 | 9 26 | 28 23 | | | n.a. |
| T 15 | 23 36 | 16 25 | 4 18 | 25 40 | 1 49 | 14 28 | 5 45 | 13 37 | 3 34 | 24 52 | 0 57 | 12 32 | 2 38 | 20 29 | 0 6 | 7 56 | 2 5 | 35 45 | 12 12 | 10 1 | 9 27 | 28 22 | | | n.a. |
| F 16 | 23 32 | 21 36 | 4 50 | 25 46 | 1 52 | 14 19 | 5 58 | 13 35 | 3 35 | 24 52 | 0 57 | 12 33 | 2 38 | 20 29 | 0 6 | 7 56 | 2 5 | 35 45 | 12 12 | 10 2 | 9 28 | 28 21 | | | n.a. |
| S 17 | 23 27 | 25 40 | 5 5 | 25 50 | 1 54 | 14 10 | 6 11 | 13 34 | 3 37 | 24 52 | 0 57 | 12 34 | 2 38 | 20 28 | 0 6 | 7 57 | 2 5 | 35 46 | 12 12 | 10 5 | 9 29 | 28 21 | | | n.a. |
| S 18 | 23 21 | 28 6 | 5 0 | 25 52 | 1 56 | 14 2 | 6 23 | 13 33 | 3 39 | 24 52 | 0 57 | 12 35 | 2 39 | 20 28 | 0 6 | 7 57 | 2 5 | 35 46 | 12 12 | 10 8 | 9 31 | 28 20 | | | n.a. |
| M19 | 23 15 | 28 29 | 4 34 | 25 52 | 1 58 | 13 55 | 6 36 | 13 33 | 3 40 | 24 52 | 0 57 | 12 36 | 2 39 | 20 28 | 0 6 | 7 57 | 2 5 | 35 46 | 12 12 | 10 11 | 9 32 | 28 19 | | | n.a. |
| T 20 | 23 9 | 26 42 | 3 48 | 25 50 | 1 59 | 13 49 | 6 47 | 13 32 | 3 42 | 24 52 | 0 57 | 12 37 | 2 39 | 20 27 | 0 6 | 7 57 | 2 6 | 35 46 | 12 12 | 10 13 | 9 33 | 28 19 | | | n.a. |
| W21 | 23 2 | 22 57 | 2 46 | 25 47 | 2 0 | 13 43 | 6 59 | 13 32 | 3 43 | 24 52 | 0 57 | 12 38 | 2 39 | 20 27 | 0 6 | 7 58 | 2 6 | 35 46 | 12 12 | 10 16 | 9 34 | 28 18 | | | n.a. |
| T 22 | 22 55 | 17 46 | 1 33 | 25 41 | 2 1 | 13 39 | 7 9 | 13 32 | 3 45 | 24 52 | 0 57 | 12 39 | 2 40 | 20 27 | 0 6 | 7 58 | 2 6 | 35 46 | 12 12 | 10 17 | 9 35 | 28 17 | | | n.a. |
| F 23 | 22 48 | 11 40 | 0 16 | 25 34 | 2 1 | 13 35 | 7 20 | 13 33 | 3 46 | 24 52 | 0 57 | 12 40 | 2 40 | 20 26 | 0 6 | 7 58 | 2 6 | 35 47 | 12 12 | 10 17 | 9 36 | 28 16 | | | n.a. |
| S 24 | 22 40 | 5 10 | 0n59 | 25 24 | 2 0 | 13 32 | 7 29 | 13 33 | 3 48 | 24 52 | 0 57 | 12 41 | 2 40 | 20 26 | 0 6 | 7 59 | 2 6 | 35 47 | 12 12 | 10 17 | 9 38 | 28 16 | | | n.a. |
| S 25 | 22 31 | 1n22 | 2 9 | 25 13 | 1 59 | 13 30 | 7 38 | 13 34 | 3 49 | 24 51 | 0 57 | 12 42 | 2 40 | 20 26 | 0 6 | 7 59 | 2 6 | 35 47 | 12 12 | 10 17 | 9 39 | 28 15 | | | n.a. |
| M26 | 22 22 | 7 37 | 3 10 | 24 59 | 1 57 | 13 29 | 7 46 | 13 35 | 3 51 | 24 51 | 0 57 | 12 43 | 2 41 | 20 25 | 0 6 | 7 59 | 2 6 | 35 47 | 12 12 | 10 16 | 9 40 | 28 14 | | | n.a. |
| T 27 | 22 13 | 13 22 | 3 59 | 24 42 | 1 55 | 13 28 | 7 54 | 13 36 | 3 52 | 24 51 | 0 58 | 12 44 | 2 41 | 20 25 | 0 6 | 8 0 | 2 6 | 35 47 | 12 12 | 10 16 | 9 41 | 28 13 | | | n.a. |
| W28 | 22 4 | 18 26 | 4 36 | 24 24 | 1 53 | 13 29 | 8 0 | 13 38 | 3 54 | 24 51 | 0 58 | 12 46 | 2 41 | 20 25 | 0 6 | 8 0 | 2 6 | 35 47 | 12 12 | 10 17 | 9 42 | 28 13 | | | n.a. |
| T 29 | 21 54 | 22 39 | 4 59 | 24 3 | 1 49 | 13 30 | 8 6 | 13 40 | 3 55 | 24 51 | 0 58 | 12 47 | 2 41 | 20 25 | 0 6 | 8 1 | 2 6 | 35 47 | 12 12 | 10 18 | 9 44 | 28 12 | | | n.a. |
| F 30 | 21 43 | 25 51 | 5 9 | 23 40 | 1 46 | 13 32 | 8 11 | 13 42 | 3 57 | 24 51 | 0 58 | 12 48 | 2 41 | 20 24 | 0 6 | 8 1 | 2 6 | 35 47 | 12 12 | 10 20 | 9 45 | 28 11 | | | n.a. |
| S 31 | 21 s32 | 27n53 | 5n 5 | 23 s15 | 1 s41 | 13 s35 | 8n15 | 13n44 | 3n58 | 24n51 | 0n58 | 12n50 | 2n42 | 20n24 | 0n 6 | 8n 1 | 2n 6 | 35n48 | 12n12 | 10 s22 | 9 s46 | 28n10 | | | n.a. |

Julian Day Number = 992749.5, Delta T = 13h00m30s
Ecliptic obliquity = 23°55'33, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'40, Lahiri = -31°27'40 Julian Calendar 1 Jan. 1995 BCE == Greg. Calendar 15 Dec. 1996 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## FEBRUARY 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 36 20 | 26♉ 8'08 | 25♊ 0 | 26♉49 | 23°R38 | 4°R25 | 26°R43 | 3°R44 | 28°R47 | 14°R49 | 8°R54 | 3°R33 | 5♓13 | 6♋29 | n.a. | S 1 |
| M 2 | 7 40 17 | 27° 7'36 | 6♋51 | 28°47 | 23♉ 1 | 4♍21 | 26♊37 | 3♍40 | 28♉46 | 14♍48 | 8♋53 | 3♓26 | 5°10 | 6°36 | n.a. | M 2 |
| T 3 | 7 44 13 | 28° 7'01 | 18°43 | 0♒47 | 22°24 | 4°16 | 26°31 | 3°37 | 28°45 | 14°48 | 8°52 | 3°19 | 5° 7 | 6°43 | n.a. | T 3 |
| W 4 | 7 48 10 | 29° 6'24 | 0♌38 | 2°47 | 21°48 | 4°10 | 26°25 | 3°34 | 28°44 | 14°47 | 8°50 | 3°14 | 5° 4 | 6°49 | n.a. | W 4 |
| T 5 | 7 52 7 | 0♒ 5'45 | 12°36 | 4°48 | 21°13 | 4° 3 | 26°20 | 3°31 | 28°43 | 14°46 | 8°49 | 3°10 | 5° 1 | 6°56 | n.a. | T 5 |
| F 6 | 7 56 3 | 1° 5'04 | 24°41 | 6°49 | 20°40 | 3°55 | 26°14 | 3°27 | 28°42 | 14°44 | 8°47 | 3° 9 | 4°57 | 7° 3 | n.a. | F 6 |
| S 7 | 8 0 0 | 2° 4'20 | 6♍54 | 8°50 | 20° 8 | 3°47 | 26° 9 | 3°24 | 28°42 | 14°43 | 8°46 | 3°D 8 | 4°54 | 7° 9 | n.a. | S 7 |
| S 8 | 8 3 56 | 3° 3'34 | 19°18 | 10°51 | 19°38 | 3°38 | 26° 4 | 3°20 | 28°41 | 14°42 | 8°45 | 3° 9 | 4°51 | 7°16 | n.a. | S 8 |
| M 9 | 8 7 53 | 4° 2'47 | 1♎55 | 12°52 | 19°10 | 3°28 | 25°59 | 3°17 | 28°40 | 14°41 | 8°43 | 3°11 | 4°48 | 7°23 | n.a. | M 9 |
| T 10 | 8 11 49 | 5° 1'57 | 14°48 | 14°51 | 18°44 | 3°17 | 25°54 | 3°13 | 28°40 | 14°40 | 8°42 | 3°12 | 4°45 | 7°30 | n.a. | T 10 |
| W11 | 8 15 46 | 6° 1'05 | 28° 0 | 16°50 | 18°20 | 3° 6 | 25°50 | 3° 9 | 28°39 | 14°39 | 8°41 | 3°14 | 4°42 | 7°36 | n.a. | W11 |
| T 12 | 8 19 42 | 7° 0'12 | 11♏34 | 18°47 | 17°58 | 2°54 | 25°45 | 3° 6 | 28°38 | 14°38 | 8°39 | 3°R14 | 4°38 | 7°43 | n.a. | T 12 |
| F 13 | 8 23 39 | 7°59'17 | 25°30 | 20°42 | 17°39 | 2°41 | 25°41 | 3° 2 | 28°38 | 14°37 | 8°38 | 3°13 | 4°35 | 7°50 | n.a. | F 13 |
| S 14 | 8 27 35 | 8°58'19 | 9♐50 | 22°35 | 17°22 | 2°28 | 25°37 | 2°58 | 28°38 | 14°35 | 8°37 | 3°11 | 4°32 | 7°56 | n.a. | S 14 |
| S 15 | 8 31 32 | 9°57'20 | 24°30 | 24°26 | 17° 7 | 2°13 | 25°33 | 2°54 | 28°37 | 14°34 | 8°35 | 3° 8 | 4°29 | 8° 3 | n.a. | S 15 |
| M16 | 8 35 29 | 10°56'19 | 9♑24 | 26°13 | 16°56 | 1°58 | 25°29 | 2°50 | 28°37 | 14°33 | 8°34 | 3° 5 | 4°26 | 8°10 | n.a. | M16 |
| T 17 | 8 39 25 | 11°55'16 | 24°26 | 27°57 | 16°46 | 1°43 | 25°25 | 2°46 | 28°37 | 14°31 | 8°33 | 3° 2 | 4°22 | 8°16 | n.a. | T 17 |
| W18 | 8 43 22 | 12°54'11 | 9♒27 | 29°37 | 16°39 | 1°26 | 25°22 | 2°42 | 28°37 | 14°30 | 8°32 | 3° 0 | 4°19 | 8°23 | n.a. | W18 |
| T 19 | 8 47 18 | 13°53'04 | 24°18 | 1♓13 | 16°34 | 1° 9 | 25°18 | 2°38 | 28°36 | 14°29 | 8°31 | 2°59 | 4°16 | 8°30 | n.a. | T 19 |
| F 20 | 8 51 15 | 14°51'54 | 8♓51 | 2°44 | 16°D32 | 0°52 | 25°15 | 2°34 | 28°36 | 14°27 | 8°29 | 2°D59 | 4°13 | 8°37 | n.a. | F 20 |
| S 21 | 8 55 11 | 15°50'42 | 23° 1 | 4°11 | 16°32 | 0°34 | 25°12 | 2°30 | 28°D36 | 14°26 | 8°28 | 2°59 | 4°10 | 8°43 | n.a. | S 21 |
| S 22 | 8 59 8 | 16°49'27 | 6♈45 | 5°32 | 16°35 | 0°15 | 25°10 | 2°25 | 28°36 | 14°25 | 8°27 | 3° 1 | 4° 7 | 8°50 | n.a. | S 22 |
| M23 | 9 3 4 | 17°48'11 | 20° 3 | 6°49 | 16°40 | 29♌56 | 25° 7 | 2°21 | 28°36 | 14°23 | 8°26 | 3° 2 | 4° 3 | 8°57 | n.a. | M23 |
| T 24 | 9 7 1 | 18°46'51 | 2♉57 | 8° 0 | 16°47 | 29°36 | 25° 5 | 2°17 | 28°36 | 14°22 | 8°25 | 3° 3 | 4° 0 | 9° 3 | n.a. | T 24 |
| W25 | 9 10 57 | 19°45'30 | 15°30 | 9° 5 | 16°56 | 29°16 | 25° 2 | 2°12 | 28°37 | 14°21 | 8°24 | 3°R 3 | 3°57 | 9°10 | n.a. | W25 |
| T 26 | 9 14 54 | 20°44'06 | 27°45 | 10° 4 | 17° 8 | 28°56 | 25° 0 | 2° 8 | 28°37 | 14°19 | 8°23 | 3° 3 | 3°54 | 9°17 | n.a. | T 26 |
| F 27 | 9 18 51 | 21°42'40 | 9♊48 | 10°57 | 17°21 | 28°35 | 24°59 | 2° 4 | 28°37 | 14°18 | 8°22 | 3° 3 | 3°51 | 9°23 | n.a. | F 27 |
| S 28 | 9 22 47 | 22♒41'11 | 21♊43 | 11♓45 | 17♉37 | 28♌14 | 24♊57 | 1♍59 | 28♉37 | 14♍16 | 8♋21 | 3♓ 2 | 3♓47 | 9♋30 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 21 s21 | 28n38 | 4n48 | 22 s48 | 1 s36 | 13 s39 | 8n17 | 13n47 | 3n59 | 24n51 | 0n58 | 12n51 | 2n42 | 20n24 | 0n 6 | 8n 2 | 2n 6 | 35n48 | 12n12 | 10 s25 | 9 s47 | 28n10 | | | n.a. |
| M 2 | 21 9 | 28 3 | 4 19 | 22 18 | 1 31 | 13 43 | 8 19 | 13 50 | 4 1 | 24 51 | 0 58 | 12 52 | 2 42 | 20 24 | 0 6 | 8 2 | 2 6 | 35 48 | 12 12 | 10 27 | 9 48 | 28 9 | | | n.a. |
| T 3 | 20 57 | 26 11 | 3 38 | 21 46 | 1 25 | 13 48 | 8 20 | 13 53 | 4 2 | 24 50 | 0 58 | 12 54 | 2 42 | 20 23 | 0 6 | 8 3 | 2 6 | 35 48 | 12 12 | 10 30 | 9 50 | 28 8 | | | n.a. |
| W 4 | 20 45 | 23 9 | 2 48 | 21 12 | 1 18 | 13 53 | 8 20 | 13 56 | 4 3 | 24 50 | 0 58 | 12 55 | 2 43 | 20 23 | 0 6 | 8 3 | 2 6 | 35 48 | 12 12 | 10 31 | 9 51 | 28 7 | | | n.a. |
| T 5 | 20 32 | 19 7 | 1 50 | 20 35 | 1 10 | 13 59 | 8 19 | 14 0 | 4 4 | 24 50 | 0 58 | 12 56 | 2 43 | 20 23 | 0 6 | 8 3 | 2 7 | 35 48 | 12 12 | 10 33 | 9 52 | 28 6 | | | n.a. |
| F 6 | 20 19 | 14 17 | 0 46 | 19 57 | 1 2 | 14 6 | 8 18 | 14 4 | 4 5 | 24 50 | 0 58 | 12 58 | 2 43 | 20 23 | 0 6 | 8 4 | 2 7 | 35 48 | 12 12 | 10 33 | 9 53 | 28 5 | | | n.a. |
| S 7 | 20 6 | 8 50 | 0 s21 | 19 17 | 0 54 | 14 13 | 8 15 | 14 8 | 4 7 | 24 50 | 0 58 | 12 59 | 2 43 | 20 23 | 0 6 | 8 4 | 2 7 | 35 48 | 12 12 | 10 34 | 9 54 | 28 5 | | | n.a. |
| S 8 | 19 52 | 2 59 | 1 27 | 18 34 | 0 44 | 14 21 | 8 12 | 14 12 | 4 8 | 24 50 | 0 58 | 13 1 | 2 43 | 20 22 | 0 6 | 8 5 | 2 7 | 35 48 | 12 12 | 10 33 | 9 55 | 28 4 | | | n.a. |
| M 9 | 19 38 | 3 s 5 | 2 31 | 17 51 | 0 35 | 14 29 | 8 8 | 14 17 | 4 9 | 24 50 | 0 58 | 13 2 | 2 43 | 20 22 | 0 6 | 8 5 | 2 7 | 35 48 | 12 12 | 10 33 | 9 57 | 28 3 | | | n.a. |
| T 10 | 19 24 | 9 8 | 3 29 | 17 6 | 0 24 | 14 37 | 8 3 | 14 22 | 4 9 | 24 49 | 0 58 | 13 4 | 2 44 | 20 22 | 0 6 | 8 6 | 2 7 | 35 48 | 12 12 | 10 32 | 9 58 | 28 2 | | | n.a. |
| W11 | 19 9 | 14 57 | 4 17 | 16 19 | 0 13 | 14 46 | 7 57 | 14 27 | 4 10 | 24 49 | 0 58 | 13 5 | 2 44 | 20 22 | 0 6 | 8 6 | 2 7 | 35 48 | 12 12 | 10 32 | 9 59 | 28 1 | | | n.a. |
| T 12 | 18 54 | 20 13 | 4 52 | 15 32 | 0 2 | 14 55 | 7 51 | 14 32 | 4 11 | 24 49 | 0 58 | 13 7 | 2 44 | 20 22 | 0 6 | 8 7 | 2 7 | 35 48 | 12 12 | 10 32 | 10 0 | 28 0 | | | n.a. |
| F 13 | 18 38 | 24 33 | 5 11 | 14 44 | 0n10 | 15 4 | 7 44 | 14 37 | 4 12 | 24 49 | 0 58 | 13 8 | 2 44 | 20 22 | 0 6 | 8 7 | 2 7 | 35 48 | 12 12 | 10 32 | 10 1 | 27 59 | | | n.a. |
| S 14 | 18 23 | 27 31 | 5 12 | 13 56 | 0 22 | 15 13 | 7 37 | 14 43 | 4 12 | 24 49 | 0 58 | 13 10 | 2 44 | 20 22 | 0 6 | 8 8 | 2 7 | 35 48 | 12 11 | 10 33 | 10 3 | 27 58 | | | n.a. |
| S 15 | 18 7 | 28 41 | 4 53 | 13 7 | 0 34 | 15 23 | 7 29 | 14 49 | 4 13 | 24 49 | 0 58 | 13 12 | 2 44 | 20 22 | 0 6 | 8 8 | 2 7 | 35 48 | 12 11 | 10 34 | 10 4 | 27 57 | | | n.a. |
| M16 | 17 50 | 27 48 | 4 13 | 12 19 | 0 46 | 15 32 | 7 21 | 14 55 | 4 13 | 24 49 | 0 58 | 13 13 | 2 45 | 20 22 | 0 6 | 8 9 | 2 7 | 35 48 | 12 11 | 10 35 | 10 5 | 27 57 | | | n.a. |
| T 17 | 17 34 | 24 53 | 3 17 | 11 31 | 0 59 | 15 42 | 7 12 | 15 1 | 4 14 | 24 48 | 0 58 | 13 15 | 2 45 | 20 22 | 0 6 | 8 10 | 2 7 | 35 48 | 12 11 | 10 36 | 10 6 | 27 56 | | | n.a. |
| W18 | 17 17 | 20 16 | 2 6 | 10 44 | 1 11 | 15 52 | 7 4 | 15 7 | 4 14 | 24 48 | 0 58 | 13 17 | 2 45 | 20 22 | 0 6 | 8 10 | 2 7 | 35 48 | 12 11 | 10 37 | 10 7 | 27 55 | | | n.a. |
| T 19 | 17 0 | 14 26 | 0 48 | 9 58 | 1 24 | 16 1 | 6 54 | 15 14 | 4 14 | 24 48 | 0 58 | 13 18 | 2 45 | 20 22 | 0 6 | 8 11 | 2 7 | 35 48 | 12 11 | 10 37 | 10 8 | 27 54 | | | n.a. |
| F 20 | 16 42 | 7 55 | 0n32 | 9 13 | 1 36 | 16 11 | 6 45 | 15 20 | 4 14 | 24 48 | 0 58 | 13 20 | 2 45 | 20 21 | 0 6 | 8 11 | 2 7 | 35 48 | 12 11 | 10 37 | 10 10 | 27 53 | | | n.a. |
| S 21 | 16 25 | 1 10 | 1 48 | 8 30 | 1 48 | 16 20 | 6 35 | 15 27 | 4 15 | 24 48 | 0 58 | 13 21 | 2 45 | 20 21 | 0 6 | 8 12 | 2 7 | 35 48 | 12 11 | 10 37 | 10 11 | 27 52 | | | n.a. |
| S 22 | 16 7 | 5n25 | 2 56 | 7 49 | 2 0 | 16 30 | 6 25 | 15 34 | 4 14 | 24 48 | 0 58 | 13 23 | 2 45 | 20 22 | 0 6 | 8 12 | 2 7 | 35 48 | 12 10 | 10 36 | 10 12 | 27 51 | | | n.a. |
| M23 | 15 48 | 11 33 | 3 52 | 7 10 | 2 11 | 16 39 | 6 15 | 15 41 | 4 14 | 24 48 | 0 58 | 13 25 | 2 46 | 20 22 | 0 6 | 8 13 | 2 7 | 35 48 | 12 10 | 10 36 | 10 13 | 27 50 | | | n.a. |
| T 24 | 15 30 | 17 1 | 4 34 | 6 33 | 2 22 | 16 48 | 6 5 | 15 47 | 4 14 | 24 47 | 0 58 | 13 27 | 2 46 | 20 22 | 0 6 | 8 14 | 2 7 | 35 47 | 12 10 | 10 36 | 10 14 | 27 49 | | | n.a. |
| W25 | 15 11 | 21 36 | 5 2 | 5 59 | 2 32 | 16 57 | 5 55 | 15 54 | 4 14 | 24 47 | 0 58 | 13 28 | 2 46 | 20 22 | 0 6 | 8 14 | 2 7 | 35 47 | 12 10 | 10 35 | 10 16 | 27 48 | | | n.a. |
| T 26 | 14 52 | 25 10 | 5 15 | 5 28 | 2 41 | 17 6 | 5 45 | 16 1 | 4 13 | 24 47 | 0 58 | 13 30 | 2 46 | 20 22 | 0 6 | 8 15 | 2 7 | 35 47 | 12 10 | 10 35 | 10 17 | 27 47 | | | n.a. |
| F 27 | 14 33 | 27 33 | 5 14 | 4 59 | 2 50 | 17 15 | 5 35 | 16 8 | 4 13 | 24 47 | 0 57 | 13 32 | 2 46 | 20 22 | 0 6 | 8 15 | 2 7 | 35 47 | 12 10 | 10 36 | 10 18 | 27 46 | | | n.a. |
| S 28 | 14 s14 | 28n39 | 5n 0 | 4 s34 | 2n58 | 17 s23 | 5n24 | 16n15 | 4n12 | 24n47 | 0n57 | 13n33 | 2n46 | 20n22 | 0n 6 | 8n16 | 2n 8 | 35n47 | 12n 9 | 10 s36 | 10 s19 | 27n45 | | | n.a. |

Julian Day Number = 992780.5, Delta T = 13h00m28s
Ecliptic obliquity = 23°55'33, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'36, Lahiri = -31°27'36 Julian Calendar 1 Feb. 1995 BCE == Greg. Calendar 15 Jan. 1995 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## MARCH 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 26 44 | 23♒39'40 | 3♋34 | 12♓26 | 17♉54 | 27°R52 | 24°R56 | 1°R55 | 28♉38 | 14°R15 | 8°R20 | 3°R 0 | 3♓44 | 9♋37 | n.a. | S 1 |
| M 2 | 9 30 40 | 24°38'07 | 15°25 | 13° 1 | 18°13 | 27♌31 | 24♊54 | 1♍50 | 28°38 | 14♍13 | 8♋19 | 2♓59 | 3°41 | 9°44 | n.a. | M 2 |
| T 3 | 9 34 37 | 25°36'32 | 27°19 | 13°30 | 18°35 | 27° 9 | 24°53 | 1°46 | 28°39 | 14°12 | 8°18 | 2°58 | 3°38 | 9°50 | n.a. | T 3 |
| W 4 | 9 38 33 | 26°34'54 | 9♌19 | 13°52 | 18°58 | 26°47 | 24°52 | 1°41 | 28°39 | 14°10 | 8°17 | 2°57 | 3°35 | 9°57 | n.a. | W 4 |
| T 5 | 9 42 30 | 27°33'15 | 21°26 | 14° 8 | 19°22 | 26°24 | 24°52 | 1°37 | 28°40 | 14° 9 | 8°16 | 2°57 | 3°32 | 10° 4 | n.a. | T 5 |
| F 6 | 9 46 26 | 28°31'33 | 3♍44 | 14°19 | 19°49 | 26° 2 | 24°51 | 1°33 | 28°41 | 14° 7 | 8°15 | 2°D57 | 3°28 | 10°10 | n.a. | F 6 |
| S 7 | 9 50 23 | 29°29'49 | 16°13 | 14°R23 | 20°16 | 25°40 | 24°51 | 1°28 | 28°41 | 14° 5 | 8°14 | 2°57 | 3°25 | 10°17 | n.a. | S 7 |
| S 8 | 9 54 19 | 0♓28'03 | 28°54 | 14°21 | 20°46 | 25°18 | 24°D51 | 1°24 | 28°42 | 14° 4 | 8°13 | 2°57 | 3°22 | 10°24 | n.a. | S 8 |
| M 9 | 9 58 16 | 1°26'16 | 11♎48 | 14°14 | 21°17 | 24°56 | 24°51 | 1°19 | 28°43 | 14° 2 | 8°13 | 2°57 | 3°19 | 10°30 | n.a. | M 9 |
| T 10 | 10 2 13 | 2°24'27 | 24°57 | 14° 1 | 21°49 | 24°34 | 24°51 | 1°15 | 28°44 | 14° 1 | 8°12 | 2°57 | 3°16 | 10°37 | n.a. | T 10 |
| W11 | 10 6 9 | 3°22'36 | 8♏21 | 13°43 | 22°23 | 24°12 | 24°51 | 1°10 | 28°45 | 13°59 | 8°11 | 2°R57 | 3°13 | 10°44 | n.a. | W11 |
| T 12 | 10 10 6 | 4°20'43 | 22° 0 | 13°21 | 22°58 | 23°50 | 24°52 | 1° 6 | 28°46 | 13°58 | 8°10 | 2°57 | 3° 9 | 10°50 | n.a. | T 12 |
| F 13 | 10 14 2 | 5°18'49 | 5♐54 | 12°54 | 23°34 | 23°28 | 24°53 | 1° 1 | 28°47 | 13°56 | 8°10 | 2°D57 | 3° 6 | 10°57 | n.a. | F 13 |
| S 14 | 10 17 59 | 6°16'54 | 20° 3 | 12°24 | 24°11 | 23° 7 | 24°54 | 0°57 | 28°48 | 13°54 | 8° 9 | 2°57 | 3° 3 | 11° 4 | n.a. | S 14 |
| S 15 | 10 21 55 | 7°14'57 | 4♑25 | 11°51 | 24°50 | 22°46 | 24°55 | 0°52 | 28°49 | 13°53 | 8° 8 | 2°58 | 3° 0 | 11°11 | n.a. | S 15 |
| M16 | 10 25 52 | 8°12'58 | 18°57 | 11°15 | 25°30 | 22°26 | 24°56 | 0°48 | 28°50 | 13°51 | 8° 8 | 2°58 | 2°57 | 11°17 | n.a. | M16 |
| T 17 | 10 29 48 | 9°10'58 | 3♒34 | 10°38 | 26°11 | 22° 6 | 24°57 | 0°43 | 28°51 | 13°50 | 8° 7 | 2°58 | 2°53 | 11°24 | n.a. | T 17 |
| W18 | 10 33 45 | 10° 8'56 | 18°10 | 9°59 | 26°52 | 21°46 | 24°59 | 0°39 | 28°53 | 13°48 | 8° 6 | 2°59 | 2°50 | 11°31 | n.a. | W18 |
| T 19 | 10 37 41 | 11° 6'53 | 2♓41 | 9°20 | 27°35 | 21°27 | 25° 1 | 0°34 | 28°54 | 13°46 | 8° 6 | 2°R59 | 2°47 | 11°37 | n.a. | T 19 |
| F 20 | 10 41 38 | 12° 4'48 | 17° 0 | 8°42 | 28°19 | 21° 8 | 25° 3 | 0°30 | 28°55 | 13°45 | 8° 5 | 2°59 | 2°44 | 11°44 | n.a. | F 20 |
| S 21 | 10 45 35 | 13° 2'41 | 1♈ 2 | 8° 4 | 29° 4 | 20°50 | 25° 5 | 0°26 | 28°57 | 13°43 | 8° 5 | 2°58 | 2°41 | 11°51 | n.a. | S 21 |
| S 22 | 10 49 31 | 14° 0'32 | 14°43 | 7°28 | 29°49 | 20°33 | 25° 8 | 0°21 | 28°58 | 13°41 | 8° 4 | 2°57 | 2°38 | 11°57 | n.a. | S 22 |
| M23 | 10 53 28 | 14°58'21 | 28° 2 | 6°55 | 0♒35 | 20°16 | 25°10 | 0°17 | 29° 0 | 13°40 | 8° 4 | 2°55 | 2°34 | 12° 4 | n.a. | M23 |
| T 24 | 10 57 24 | 15°56'09 | 10♉58 | 6°23 | 1°22 | 19°59 | 25°13 | 0°13 | 29° 1 | 13°38 | 8° 4 | 2°54 | 2°31 | 12°11 | n.a. | T 24 |
| W25 | 11 1 21 | 16°53'55 | 23°34 | 5°56 | 2°10 | 19°44 | 25°16 | 0° 9 | 29° 3 | 13°37 | 8° 3 | 2°52 | 2°28 | 12°17 | n.a. | W25 |
| T 26 | 11 5 17 | 17°51'39 | 5♊53 | 5°31 | 2°59 | 19°29 | 25°19 | 0° 4 | 29° 5 | 13°35 | 8° 3 | 2°51 | 2°25 | 12°24 | n.a. | T 26 |
| F 27 | 11 9 14 | 18°49'21 | 17°58 | 5°11 | 3°48 | 19°15 | 25°22 | 0° 0 | 29° 6 | 13°33 | 8° 3 | 2°D51 | 2°22 | 12°31 | n.a. | F 27 |
| S 28 | 11 13 10 | 19°47'01 | 29°54 | 4°55 | 4°38 | 19° 1 | 25°26 | 29♌56 | 29° 8 | 13°32 | 8° 2 | 2°51 | 2°19 | 12°38 | n.a. | S 28 |
| S 29 | 11 17 7 | 20°44'40 | 11♋45 | 4°43 | 5°29 | 18°49 | 25°29 | 29°52 | 29°10 | 13°30 | 8° 2 | 2°52 | 2°15 | 12°44 | n.a. | S 29 |
| M30 | 11 21 4 | 21°42'17 | 23°37 | 4°36 | 6°20 | 18°37 | 25°33 | 29°48 | 29°12 | 13°28 | 8° 2 | 2°54 | 2°12 | 12°51 | n.a. | M30 |
| T 31 | 11 25 0 | 22♓39'52 | 5♌33 | 4°D33 | 7♒12 | 18♌26 | 25♊37 | 29♌44 | 29♉14 | 13♍27 | 8♋ 2 | 2♓55 | 2♓ 9 | 12♋58 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 13s54 | 28n25 | 4n33 | 4s11 | 3n 5 | 17s31 | 5n14 | 16n22 | 4n11 | 24n47 | 0n57 | 13n35 | 2n46 | 20n22 | 0n 6 | 8n17 | 2n 8 | 35n47 | 12n 9 | 10s36 | 10s20 | 27n44 | | | n.a. |
| M 2 | 13 35 | 26 53 | 3 54 | 3 52 | 3 11 | 17 39 | 5 3 | 16 29 | 4 10 | 24 47 | 0 57 | 13 37 | 2 46 | 20 22 | 0 6 | 8 17 | 2 8 | 35 47 | 12 9 | 10 37 | 10 21 | 27 43 | | | n.a. |
| T 3 | 13 15 | 24 8 | 3 5 | 3 36 | 3 16 | 17 46 | 4 53 | 16 36 | 4 9 | 24 47 | 0 57 | 13 38 | 2 46 | 20 22 | 0 6 | 8 18 | 2 8 | 35 47 | 12 9 | 10 37 | 10 23 | 27 42 | | | n.a. |
| W 4 | 12 54 | 20 20 | 2 7 | 3 24 | 3 20 | 17 53 | 4 43 | 16 42 | 4 8 | 24 47 | 0 57 | 13 40 | 2 46 | 20 22 | 0 6 | 8 18 | 2 8 | 35 47 | 12 9 | 10 38 | 10 24 | 27 41 | | | n.a. |
| T 5 | 12 34 | 15 38 | 1 3 | 3 15 | 3 23 | 18 0 | 4 33 | 16 49 | 4 7 | 24 47 | 0 57 | 13 42 | 2 46 | 20 22 | 0 6 | 8 19 | 2 8 | 35 46 | 12 8 | 10 38 | 10 25 | 27 40 | | | n.a. |
| F 6 | 12 13 | 10 16 | 0s 4 | 3 10 | 3 24 | 18 6 | 4 23 | 16 56 | 4 5 | 24 47 | 0 57 | 13 43 | 2 46 | 20 23 | 0 6 | 8 20 | 2 8 | 35 46 | 12 8 | 10 38 | 10 26 | 27 39 | | | n.a. |
| S 7 | 11 53 | 4 26 | 1 13 | 3 8 | 3 24 | 18 12 | 4 12 | 17 2 | 4 4 | 24 46 | 0 57 | 13 45 | 2 46 | 20 23 | 0 7 | 8 20 | 2 8 | 35 46 | 12 8 | 10 38 | 10 27 | 27 38 | | | n.a. |
| S 8 | 11 32 | 1s40 | 2 19 | 3 10 | 3 23 | 18 18 | 4 2 | 17 8 | 4 2 | 24 46 | 0 57 | 13 47 | 2 46 | 20 23 | 0 7 | 8 21 | 2 8 | 35 46 | 12 8 | 10 38 | 10 28 | 27 36 | | | n.a. |
| M 9 | 11 11 | 7 48 | 3 19 | 3 15 | 3 20 | 18 23 | 3 53 | 17 14 | 4 1 | 24 46 | 0 57 | 13 49 | 2 47 | 20 23 | 0 7 | 8 22 | 2 8 | 35 46 | 12 8 | 10 38 | 10 30 | 27 35 | | | n.a. |
| T 10 | 10 50 | 13 43 | 4 10 | 3 24 | 3 16 | 18 27 | 3 43 | 17 20 | 3 59 | 24 46 | 0 57 | 13 50 | 2 47 | 20 23 | 0 7 | 8 22 | 2 8 | 35 46 | 12 7 | 10 38 | 10 31 | 27 34 | | | n.a. |
| W11 | 10 28 | 19 6 | 4 48 | 3 36 | 3 11 | 18 31 | 3 33 | 17 26 | 3 57 | 24 46 | 0 57 | 13 52 | 2 47 | 20 23 | 0 7 | 8 23 | 2 8 | 35 45 | 12 7 | 10 38 | 10 32 | 27 33 | | | n.a. |
| T 12 | 10 7 | 23 38 | 5 11 | 3 51 | 3 4 | 18 35 | 3 23 | 17 32 | 3 55 | 24 46 | 0 57 | 13 54 | 2 47 | 20 24 | 0 7 | 8 24 | 2 8 | 35 45 | 12 7 | 10 38 | 10 33 | 27 32 | | | n.a. |
| F 13 | 9 45 | 26 55 | 5 17 | 4 9 | 2 56 | 18 38 | 3 14 | 17 37 | 3 53 | 24 46 | 0 57 | 13 55 | 2 47 | 20 24 | 0 7 | 8 24 | 2 8 | 35 45 | 12 7 | 10 38 | 10 34 | 27 31 | | | n.a. |
| S 14 | 9 23 | 28 35 | 5 3 | 4 29 | 2 46 | 18 41 | 3 5 | 17 42 | 3 51 | 24 46 | 0 57 | 13 57 | 2 47 | 20 24 | 0 7 | 8 25 | 2 8 | 35 45 | 12 6 | 10 38 | 10 35 | 27 30 | | | n.a. |
| S 15 | 9 1 | 28 22 | 4 31 | 4 52 | 2 36 | 18 43 | 2 55 | 17 47 | 3 48 | 24 46 | 0 57 | 13 58 | 2 47 | 20 24 | 0 7 | 8 26 | 2 8 | 35 45 | 12 6 | 10 37 | 10 37 | 27 29 | | | n.a. |
| M16 | 8 39 | 26 12 | 3 41 | 5 17 | 2 24 | 18 45 | 2 46 | 17 52 | 3 46 | 24 46 | 0 57 | 14 0 | 2 47 | 20 25 | 0 7 | 8 26 | 2 8 | 35 45 | 12 6 | 10 37 | 10 38 | 27 28 | | | n.a. |
| T 17 | 8 17 | 22 17 | 2 36 | 5 44 | 2 10 | 18 46 | 2 37 | 17 56 | 3 44 | 24 46 | 0 57 | 14 2 | 2 47 | 20 25 | 0 7 | 8 27 | 2 8 | 35 44 | 12 6 | 10 37 | 10 39 | 27 26 | | | n.a. |
| W18 | 7 55 | 16 59 | 1 21 | 6 11 | 1 56 | 18 47 | 2 28 | 18 1 | 3 41 | 24 46 | 0 56 | 14 3 | 2 47 | 20 25 | 0 7 | 8 27 | 2 8 | 35 44 | 12 5 | 10 37 | 10 40 | 27 25 | | | n.a. |
| T 19 | 7 33 | 10 45 | 0 2 | 6 40 | 1 41 | 18 47 | 2 20 | 18 5 | 3 38 | 24 46 | 0 56 | 14 5 | 2 47 | 20 26 | 0 7 | 8 28 | 2 8 | 35 44 | 12 5 | 10 37 | 10 41 | 27 24 | | | n.a. |
| F 20 | 7 10 | 4 4 | 1n17 | 7 9 | 1 26 | 18 47 | 2 11 | 18 8 | 3 36 | 24 46 | 0 56 | 14 6 | 2 47 | 20 26 | 0 7 | 8 29 | 2 8 | 35 44 | 12 5 | 10 37 | 10 42 | 27 23 | | | n.a. |
| S 21 | 6 48 | 2n41 | 2 29 | 7 38 | 1 10 | 18 46 | 2 3 | 18 12 | 3 33 | 24 46 | 0 56 | 14 8 | 2 47 | 20 26 | 0 7 | 8 29 | 2 8 | 35 43 | 12 5 | 10 37 | 10 44 | 27 22 | | | n.a. |
| S 22 | 6 25 | 9 8 | 3 31 | 8 7 | 0 53 | 18 44 | 1 54 | 18 15 | 3 30 | 24 46 | 0 56 | 14 10 | 2 46 | 20 27 | 0 7 | 8 30 | 2 8 | 35 43 | 12 4 | 10 38 | 10 45 | 27 21 | | | n.a. |
| M23 | 6 2 | 15 0 | 4 20 | 8 35 | 0 37 | 18 42 | 1 46 | 18 18 | 3 27 | 24 46 | 0 56 | 14 11 | 2 46 | 20 27 | 0 7 | 8 31 | 2 8 | 35 43 | 12 4 | 10 38 | 10 46 | 27 19 | | | n.a. |
| T 24 | 5 39 | 20 3 | 4 53 | 9 2 | 0 20 | 18 40 | 1 38 | 18 20 | 3 24 | 24 46 | 0 56 | 14 13 | 2 46 | 20 27 | 0 7 | 8 31 | 2 8 | 35 43 | 12 4 | 10 39 | 10 47 | 27 18 | | | n.a. |
| W25 | 5 16 | 24 4 | 5 12 | 9 28 | 0 4 | 18 37 | 1 30 | 18 23 | 3 22 | 24 46 | 0 56 | 14 14 | 2 46 | 20 28 | 0 7 | 8 32 | 2 8 | 35 43 | 12 4 | 10 39 | 10 48 | 27 17 | | | n.a. |
| T 26 | 4 54 | 26 54 | 5 16 | 9 52 | 0s12 | 18 33 | 1 23 | 18 25 | 3 19 | 24 46 | 0 56 | 14 15 | 2 46 | 20 28 | 0 7 | 8 33 | 2 8 | 35 42 | 12 3 | 10 40 | 10 49 | 27 16 | | | n.a. |
| F 27 | 4 31 | 28 26 | 5 5 | 10 14 | 0 28 | 18 29 | 1 15 | 18 26 | 3 16 | 24 46 | 0 56 | 14 17 | 2 46 | 20 28 | 0 7 | 8 33 | 2 8 | 35 42 | 12 3 | 10 40 | 10 51 | 27 15 | | | n.a. |
| S 28 | 4 7 | 28 37 | 4 42 | 10 34 | 0 43 | 18 24 | 1 8 | 18 28 | 3 12 | 24 47 | 0 56 | 14 18 | 2 46 | 20 29 | 0 7 | 8 34 | 2 8 | 35 42 | 12 3 | 10 40 | 10 52 | 27 13 | | | n.a. |
| S 29 | 3 44 | 27 29 | 4 6 | 10 52 | 0 58 | 18 19 | 1 0 | 18 29 | 3 9 | 24 47 | 0 56 | 14 20 | 2 46 | 20 29 | 0 7 | 8 35 | 2 8 | 35 42 | 12 2 | 10 39 | 10 53 | 27 12 | | | n.a. |
| M30 | 3 21 | 25 6 | 3 20 | 11 8 | 1 12 | 18 13 | 0 53 | 18 30 | 3 6 | 24 47 | 0 56 | 14 21 | 2 46 | 20 30 | 0 7 | 8 35 | 2 8 | 35 41 | 12 2 | 10 39 | 10 54 | 27 11 | | | n.a. |
| T 31 | 2s58 | 21n37 | 2n25 | 11s22 | 1s26 | 18s 6 | 0n46 | 18n30 | 3n 3 | 24n47 | 0n56 | 14n22 | 2n46 | 20n30 | 0n 7 | 8n36 | 2n 8 | 35n41 | 12n 2 | 10s38 | 10s55 | 27n10 | | | n.a. |

Julian Day Number = 992808.5, Delta T = 13h00m26s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'32, Lahiri = -31°27'32 Julian Calendar 1 March 1995 BCE == Greg. Calendar 12 Feb. 1995 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## APRIL 1995 BCE (-1994) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 28 57 | 23♓37'26 | 17♌38 | 4♓35 | 8♒ 5 | 18°R15 | 25♊41 | 29°R40 | 29♉16 | 13°R25 | 8°R 2 | 2♓56 | 2♓ 6 | 13♋ 4 | n.a. | W 1 |
| T 2 | 11 32 53 | 24°34'57 | 29°55 | 4°41 | 8°58 | 18♌ 6 | 25°45 | 29♌36 | 29°18 | 13♍24 | 8♋ 1 | 2°R57 | 2° 3 | 13°11 | n.a. | T 2 |
| F 3 | 11 36 50 | 25°32'28 | 12♍25 | 4°52 | 9°51 | 17°57 | 25°50 | 29°32 | 29°20 | 13°22 | 8° 1 | 2°57 | 1°59 | 13°18 | n.a. | F 3 |
| S 4 | 11 40 46 | 26°29'57 | 25°12 | 5° 7 | 10°46 | 17°49 | 25°54 | 29°29 | 29°22 | 13°20 | 8° 1 | 2°55 | 1°56 | 13°24 | n.a. | S 4 |
| S 5 | 11 44 43 | 27°27'24 | 8♎14 | 5°27 | 11°40 | 17°42 | 25°59 | 29°25 | 29°24 | 13°19 | 8° 1 | 2°53 | 1°53 | 13°31 | n.a. | S 5 |
| M 6 | 11 48 39 | 28°24'51 | 21°33 | 5°52 | 12°36 | 17°36 | 26° 4 | 29°21 | 29°26 | 13°17 | 8°D 1 | 2°50 | 1°50 | 13°38 | n.a. | M 6 |
| T 7 | 11 52 36 | 29°22'16 | 5♏ 5 | 6°20 | 13°31 | 17°30 | 26° 9 | 29°18 | 29°28 | 13°16 | 8° 1 | 2°46 | 1°47 | 13°44 | n.a. | T 7 |
| W 8 | 11 56 32 | 0♈19'40 | 18°50 | 6°53 | 14°27 | 17°26 | 26°14 | 29°14 | 29°30 | 13°14 | 8° 1 | 2°42 | 1°44 | 13°51 | n.a. | W 8 |
| T 9 | 12 0 29 | 1°17'04 | 2♐45 | 7°30 | 15°24 | 17°22 | 26°20 | 29°11 | 29°33 | 13°13 | 8° 1 | 2°39 | 1°40 | 13°58 | n.a. | T 9 |
| F 10 | 12 4 26 | 2°14'26 | 16°48 | 8°11 | 16°21 | 17°19 | 26°25 | 29° 7 | 29°35 | 13°11 | 8° 1 | 2°37 | 1°37 | 14° 5 | n.a. | F 10 |
| S 11 | 12 8 22 | 3°11'48 | 0♑57 | 8°55 | 17°19 | 17°17 | 26°31 | 29° 4 | 29°37 | 13°10 | 8° 1 | 2°D36 | 1°34 | 14°11 | n.a. | S 11 |
| S 12 | 12 12 19 | 4° 9'09 | 15° 9 | 9°43 | 18°16 | 17°15 | 26°37 | 29° 1 | 29°40 | 13° 8 | 8° 2 | 2°36 | 1°31 | 14°18 | n.a. | S 12 |
| M13 | 12 16 15 | 5° 6'29 | 29°23 | 10°35 | 19°15 | 17°D14 | 26°42 | 28°57 | 29°42 | 13° 7 | 8° 2 | 2°37 | 1°28 | 14°25 | n.a. | M13 |
| T 14 | 12 20 12 | 6° 3'48 | 13♒37 | 11°30 | 20°13 | 17°15 | 26°49 | 28°54 | 29°45 | 13° 5 | 8° 2 | 2°39 | 1°24 | 14°31 | n.a. | T 14 |
| W15 | 12 24 8 | 7° 1'07 | 27°47 | 12°28 | 21°12 | 17°16 | 26°55 | 28°51 | 29°47 | 13° 4 | 8° 2 | 2°R40 | 1°21 | 14°38 | n.a. | W15 |
| T 16 | 12 28 5 | 7°58'24 | 11♓51 | 13°30 | 22°12 | 17°17 | 27° 1 | 28°48 | 29°50 | 13° 2 | 8° 3 | 2°39 | 1°18 | 14°45 | n.a. | T 16 |
| F 17 | 12 32 2 | 8°55'41 | 25°46 | 14°35 | 23°11 | 17°20 | 27° 8 | 28°45 | 29°52 | 13° 1 | 8° 3 | 2°37 | 1°15 | 14°51 | n.a. | F 17 |
| S 18 | 12 35 58 | 9°52'57 | 9♈29 | 15°43 | 24°12 | 17°23 | 27°14 | 28°42 | 29°55 | 12°59 | 8° 3 | 2°34 | 1°12 | 14°58 | n.a. | S 18 |
| S 19 | 12 39 55 | 10°50'12 | 22°56 | 16°55 | 25°12 | 17°27 | 27°21 | 28°40 | 29°58 | 12°58 | 8° 4 | 2°29 | 1° 9 | 15° 5 | n.a. | S 19 |
| M20 | 12 43 51 | 11°47'26 | 6♉ 6 | 18° 9 | 26°12 | 17°32 | 27°28 | 28°37 | 0♊ 0 | 12°57 | 8° 4 | 2°22 | 1° 5 | 15°11 | n.a. | M20 |
| T 21 | 12 47 48 | 12°44'39 | 18°58 | 19°26 | 27°13 | 17°38 | 27°35 | 28°34 | 0° 3 | 12°55 | 8° 4 | 2°16 | 1° 2 | 15°18 | n.a. | T 21 |
| W22 | 12 51 44 | 13°41'52 | 1♊32 | 20°46 | 28°15 | 17°44 | 27°42 | 28°32 | 0° 6 | 12°54 | 8° 5 | 2° 9 | 0°59 | 15°25 | n.a. | W22 |
| T 23 | 12 55 41 | 14°39'03 | 13°49 | 22° 9 | 29°16 | 17°51 | 27°50 | 28°29 | 0° 9 | 12°53 | 8° 5 | 2° 4 | 0°56 | 15°31 | n.a. | T 23 |
| F 24 | 12 59 37 | 15°36'14 | 25°54 | 23°35 | 0♓18 | 17°59 | 27°57 | 28°27 | 0°12 | 12°51 | 8° 6 | 2° 0 | 0°53 | 15°38 | n.a. | F 24 |
| S 25 | 13 3 34 | 16°33'23 | 7♋50 | 25° 3 | 1°20 | 18° 7 | 28° 5 | 28°25 | 0°14 | 12°50 | 8° 6 | 1°58 | 0°50 | 15°45 | n.a. | S 25 |
| S 26 | 13 7 31 | 17°30'32 | 19°41 | 26°35 | 2°22 | 18°17 | 28°12 | 28°23 | 0°17 | 12°49 | 8° 7 | 1°D58 | 0°46 | 15°52 | n.a. | S 26 |
| M27 | 13 11 27 | 18°27'39 | 1♌33 | 28° 9 | 3°25 | 18°26 | 28°20 | 28°20 | 0°20 | 12°47 | 8° 8 | 1°58 | 0°43 | 15°58 | n.a. | M27 |
| T 28 | 13 15 24 | 19°24'46 | 13°30 | 29°46 | 4°28 | 18°37 | 28°28 | 28°18 | 0°23 | 12°46 | 8° 8 | 2° 0 | 0°40 | 16° 5 | n.a. | T 28 |
| W29 | 13 19 20 | 20°21'52 | 25°38 | 1♈25 | 5°31 | 18°48 | 28°36 | 28°16 | 0°26 | 12°45 | 8° 9 | 2°R 1 | 0°37 | 16°12 | n.a. | W29 |
| T 30 | 13 23 17 | 21♈18'57 | 8♍ 1 | 3♈ 8 | 6♓34 | 19♌ 0 | 28♊44 | 28♌15 | 0♊29 | 12♍44 | 8♋10 | 2♓ 1 | 0♓34 | 16♋18 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 2s35 | 17n11 | 1n23 | 11s33 | 1s38 | 17s59 | 0n39 | 18n30 | 3n 0 | 24n47 | 0n56 | 14n24 | 2n46 | 20n30 | 0n 7 | 8n36 | 2n 8 | 35n41 | 12n 2 | 10s38 | 10s56 | 27n 8 | | n.a. |
| T 2 | 2 12 | 12 0 | 0 17 | 11 41 | 1 50 | 17 52 | 0 32 | 18 30 | 2 57 | 24 47 | 0 56 | 14 25 | 2 46 | 20 31 | 0 7 | 8 37 | 2 8 | 35 40 | 12 1 | 10 38 | 10 58 | 27 7 | | n.a. |
| F 3 | 1 48 | 6 14 | 0s52 | 11 47 | 2 1 | 17 44 | 0 26 | 18 30 | 2 53 | 24 47 | 0 55 | 14 26 | 2 46 | 20 31 | 0 7 | 8 38 | 2 8 | 35 40 | 12 1 | 10 38 | 10 59 | 27 6 | | n.a. |
| S 4 | 1 25 | 0 8 | 1 59 | 11 51 | 2 11 | 17 35 | 0 19 | 18 30 | 2 50 | 24 47 | 0 55 | 14 28 | 2 45 | 20 32 | 0 7 | 8 38 | 2 8 | 35 40 | 12 1 | 10 38 | 11 0 | 27 4 | | n.a. |
| S 5 | 1 2 | 6s 6 | 3 2 | 11 52 | 2 20 | 17 26 | 0 13 | 18 29 | 2 47 | 24 47 | 0 55 | 14 29 | 2 45 | 20 32 | 0 7 | 8 39 | 2 8 | 35 40 | 12 1 | 10 39 | 11 1 | 27 3 | | n.a. |
| M 6 | 0 39 | 12 12 | 3 56 | 11 50 | 2 28 | 17 16 | 0 7 | 18 28 | 2 44 | 24 47 | 0 55 | 14 30 | 2 45 | 20 33 | 0 7 | 8 39 | 2 8 | 35 39 | 12 0 | 10 40 | 11 2 | 27 2 | | n.a. |
| T 7 | 0 15 | 17 49 | 4 37 | 11 46 | 2 36 | 17 5 | 0 1 | 18 26 | 2 41 | 24 47 | 0 55 | 14 31 | 2 45 | 20 33 | 0 7 | 8 40 | 2 8 | 35 39 | 12 0 | 10 42 | 11 3 | 27 1 | | n.a. |
| W 8 | 0n 8 | 22 38 | 5 4 | 11 40 | 2 42 | 16 55 | 0s 5 | 18 25 | 2 37 | 24 47 | 0 55 | 14 32 | 2 45 | 20 34 | 0 7 | 8 41 | 2 8 | 35 39 | 12 0 | 10 43 | 11 5 | 26 59 | | n.a. |
| T 9 | 0 31 | 26 14 | 5 13 | 11 31 | 2 48 | 16 43 | 0 11 | 18 23 | 2 34 | 24 48 | 0 55 | 14 34 | 2 45 | 20 34 | 0 7 | 8 41 | 2 8 | 35 39 | 11 59 | 10 44 | 11 6 | 26 58 | | n.a. |
| F 10 | 0 54 | 28 17 | 5 3 | 11 20 | 2 53 | 16 31 | 0 17 | 18 21 | 2 31 | 24 48 | 0 55 | 14 35 | 2 45 | 20 35 | 0 7 | 8 42 | 2 8 | 35 38 | 11 59 | 10 45 | 11 7 | 26 57 | | n.a. |
| S 11 | 1 18 | 28 31 | 4 36 | 11 7 | 2 57 | 16 19 | 0 22 | 18 19 | 2 28 | 24 48 | 0 55 | 14 36 | 2 45 | 20 35 | 0 7 | 8 42 | 2 8 | 35 38 | 11 59 | 10 46 | 11 8 | 26 55 | | n.a. |
| S 12 | 1 41 | 26 52 | 3 51 | 10 51 | 3 0 | 16 6 | 0 27 | 18 16 | 2 24 | 24 48 | 0 55 | 14 37 | 2 44 | 20 36 | 0 7 | 8 43 | 2 8 | 35 38 | 11 59 | 10 45 | 11 9 | 26 54 | | n.a. |
| M13 | 2 4 | 23 29 | 2 52 | 10 33 | 3 2 | 15 52 | 0 33 | 18 13 | 2 21 | 24 48 | 0 55 | 14 38 | 2 44 | 20 36 | 0 7 | 8 43 | 2 8 | 35 37 | 11 58 | 10 45 | 11 10 | 26 53 | | n.a. |
| T 14 | 2 27 | 18 42 | 1 42 | 10 13 | 3 4 | 15 38 | 0 38 | 18 10 | 2 18 | 24 48 | 0 55 | 14 39 | 2 44 | 20 37 | 0 7 | 8 44 | 2 8 | 35 37 | 11 58 | 10 44 | 11 11 | 26 51 | | n.a. |
| W15 | 2 50 | 12 54 | 0 27 | 9 51 | 3 5 | 15 23 | 0 43 | 18 7 | 2 15 | 24 48 | 0 55 | 14 40 | 2 44 | 20 37 | 0 7 | 8 45 | 2 8 | 35 37 | 11 58 | 10 44 | 11 13 | 26 50 | | n.a. |
| T 16 | 3 13 | 6 29 | 0n50 | 9 27 | 3 5 | 15 8 | 0 47 | 18 3 | 2 12 | 24 48 | 0 55 | 14 41 | 2 44 | 20 38 | 0 7 | 8 45 | 2 8 | 35 36 | 11 57 | 10 44 | 11 14 | 26 48 | | n.a. |
| F 17 | 3 37 | 0n 9 | 2 3 | 9 0 | 3 4 | 14 53 | 0 52 | 18 0 | 2 9 | 24 48 | 0 55 | 14 42 | 2 44 | 20 39 | 0 7 | 8 46 | 2 8 | 35 36 | 11 57 | 10 45 | 11 15 | 26 47 | | n.a. |
| S 18 | 3 59 | 6 41 | 3 7 | 8 32 | 3 3 | 14 37 | 0 57 | 17 56 | 2 6 | 24 48 | 0 55 | 14 42 | 2 44 | 20 39 | 0 7 | 8 46 | 2 8 | 35 36 | 11 57 | 10 46 | 11 16 | 26 46 | | n.a. |
| S 19 | 4 22 | 12 47 | 3 59 | 8 2 | 3 0 | 14 20 | 1 1 | 17 51 | 2 3 | 24 48 | 0 55 | 14 43 | 2 43 | 20 40 | 0 7 | 8 47 | 2 8 | 35 36 | 11 57 | 10 48 | 11 17 | 26 44 | | n.a. |
| M20 | 4 45 | 18 11 | 4 38 | 7 30 | 2 58 | 14 3 | 1 5 | 17 47 | 1 59 | 24 49 | 0 55 | 14 44 | 2 43 | 20 40 | 0 7 | 8 47 | 2 8 | 35 35 | 11 56 | 10 50 | 11 18 | 26 43 | | n.a. |
| T 21 | 5 8 | 22 37 | 5 1 | 6 55 | 2 54 | 13 46 | 1 9 | 17 42 | 1 56 | 24 49 | 0 54 | 14 45 | 2 43 | 20 41 | 0 7 | 8 48 | 2 7 | 35 35 | 11 56 | 10 53 | 11 20 | 26 42 | | n.a. |
| W22 | 5 31 | 25 55 | 5 9 | 6 20 | 2 50 | 13 28 | 1 13 | 17 37 | 1 53 | 24 49 | 0 54 | 14 46 | 2 43 | 20 42 | 0 7 | 8 48 | 2 7 | 35 35 | 11 56 | 10 55 | 11 21 | 26 40 | | n.a. |
| T 23 | 5 53 | 27 56 | 5 3 | 5 42 | 2 45 | 13 10 | 1 17 | 17 32 | 1 50 | 24 49 | 0 54 | 14 46 | 2 43 | 20 42 | 0 7 | 8 49 | 2 7 | 35 34 | 11 55 | 10 57 | 11 22 | 26 39 | | n.a. |
| F 24 | 6 16 | 28 35 | 4 43 | 5 2 | 2 40 | 12 51 | 1 21 | 17 27 | 1 48 | 24 49 | 0 54 | 14 47 | 2 43 | 20 43 | 0 7 | 8 49 | 2 7 | 35 34 | 11 55 | 10 59 | 11 23 | 26 37 | | n.a. |
| S 25 | 6 38 | 27 52 | 4 11 | 4 21 | 2 34 | 12 32 | 1 24 | 17 22 | 1 45 | 24 49 | 0 54 | 14 48 | 2 42 | 20 43 | 0 7 | 8 50 | 2 7 | 35 34 | 11 55 | 10 59 | 11 24 | 26 36 | | n.a. |
| S 26 | 7 0 | 25 53 | 3 29 | 3 38 | 2 27 | 12 12 | 1 28 | 17 16 | 1 42 | 24 49 | 0 54 | 14 48 | 2 42 | 20 44 | 0 7 | 8 50 | 2 7 | 35 33 | 11 55 | 10 59 | 11 25 | 26 34 | | n.a. |
| M27 | 7 23 | 22 46 | 2 37 | 2 53 | 2 20 | 11 52 | 1 31 | 17 10 | 1 39 | 24 49 | 0 54 | 14 49 | 2 42 | 20 45 | 0 7 | 8 51 | 2 7 | 35 33 | 11 54 | 10 59 | 11 26 | 26 33 | | n.a. |
| T 28 | 7 45 | 18 40 | 1 38 | 2 7 | 2 13 | 11 32 | 1 34 | 17 4 | 1 36 | 24 49 | 0 54 | 14 49 | 2 42 | 20 45 | 0 7 | 8 51 | 2 7 | 35 33 | 11 54 | 10 59 | 11 28 | 26 31 | | n.a. |
| W29 | 8 7 | 13 46 | 0 34 | 1 19 | 2 5 | 11 11 | 1 38 | 16 58 | 1 33 | 24 49 | 0 54 | 14 50 | 2 42 | 20 46 | 0 7 | 8 52 | 2 7 | 35 32 | 11 54 | 10 58 | 11 29 | 26 30 | | n.a. |
| T 30 | 8n29 | 8n14 | 0s32 | 0s30 | 1s56 | 10s50 | 1s40 | 16n51 | 1n30 | 24n49 | 0n54 | 14n50 | 2n41 | 20n47 | 0n 7 | 8n52 | 2n 7 | 35n32 | 11n53 | 10s58 | 11s30 | 26n29 | | n.a. |

Julian Day Number = 992839.5, Delta T = 13h00m24s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'28, Lahiri = -31°27'28 Julian Calendar 1 Apr. 1995 BCE == Greg. Calendar 15 March 1995 BCE


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## MAY 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 27 13 | 22♈16'02 | 20♍41 | 4♈53 | 7♓37 | 19♌13 | 28♊53 | 28°R13 | 0♊32 | 12°R43 | 8♋10 | 1°R59 | 0♓30 | 16♋25 | n.a. | F 1 |
| S 2 | 13 31 10 | 23°13'05 | 3♎43 | 6°40 | 8°41 | 19°26 | 29° 1 | 28♌11 | 0°35 | 12♍42 | 8°11 | 1♓55 | 0°27 | 16°32 | n.a. | S 2 |
| S 3 | 13 35 6 | 24°10'09 | 17° 5 | 8°31 | 9°45 | 19°39 | 29° 9 | 28°10 | 0°39 | 12°40 | 8°12 | 1°49 | 0°24 | 16°38 | n.a. | S 3 |
| M 4 | 13 39 3 | 25° 7'12 | 0♏48 | 10°23 | 10°49 | 19°54 | 29°18 | 28° 8 | 0°42 | 12°39 | 8°13 | 1°42 | 0°21 | 16°45 | n.a. | M 4 |
| T 5 | 13 43 0 | 26° 4'14 | 14°47 | 12°19 | 11°53 | 20° 9 | 29°27 | 28° 7 | 0°45 | 12°38 | 8°13 | 1°33 | 0°18 | 16°52 | n.a. | T 5 |
| W 6 | 13 46 56 | 27° 1'17 | 28°59 | 14°16 | 12°58 | 20°24 | 29°36 | 28° 5 | 0°48 | 12°37 | 8°14 | 1°25 | 0°15 | 16°58 | n.a. | W 6 |
| T 7 | 13 50 53 | 27°58'19 | 13♐18 | 16°16 | 14° 3 | 20°40 | 29°45 | 28° 4 | 0°51 | 12°36 | 8°15 | 1°17 | 0°11 | 17° 5 | n.a. | T 7 |
| F 8 | 13 54 49 | 28°55'21 | 27°39 | 18°18 | 15° 8 | 20°57 | 29°54 | 28° 3 | 0°54 | 12°35 | 8°16 | 1°12 | 0° 8 | 17°12 | n.a. | F 8 |
| S 9 | 13 58 46 | 29°52'24 | 11♑58 | 20°22 | 16°13 | 21°14 | 0♋ 3 | 28° 2 | 0°58 | 12°34 | 8°17 | 1° 8 | 0° 5 | 17°18 | n.a. | S 9 |
| S 10 | 14 2 42 | 0♉49'27 | 26°12 | 22°27 | 17°18 | 21°32 | 0°12 | 28° 1 | 1° 1 | 12°33 | 8°18 | 1°D 7 | 0° 2 | 17°25 | n.a. | S 10 |
| M11 | 14 6 39 | 1°46'29 | 10♒18 | 24°34 | 18°23 | 21°50 | 0°21 | 28° 0 | 1° 4 | 12°32 | 8°19 | 1° 7 | 29♒59 | 17°32 | n.a. | M11 |
| T 12 | 14 10 36 | 2°43'32 | 24°16 | 26°42 | 19°29 | 22° 9 | 0°31 | 28° 0 | 1° 8 | 12°31 | 8°20 | 1°R 8 | 29°56 | 17°38 | n.a. | T 12 |
| W13 | 14 14 32 | 3°40'35 | 8♓ 5 | 28°52 | 20°35 | 22°28 | 0°40 | 27°59 | 1°11 | 12°30 | 8°21 | 1° 8 | 29°52 | 17°45 | n.a. | W13 |
| T 14 | 14 18 29 | 4°37'38 | 21°45 | 1♉ 1 | 21°41 | 22°48 | 0°50 | 27°58 | 1°14 | 12°30 | 8°22 | 1° 6 | 29°49 | 17°52 | n.a. | T 14 |
| F 15 | 14 22 25 | 5°34'41 | 5♈16 | 3°12 | 22°47 | 23° 8 | 1° 0 | 27°58 | 1°18 | 12°29 | 8°23 | 1° 2 | 29°46 | 17°59 | n.a. | F 15 |
| S 16 | 14 26 22 | 6°31'45 | 18°35 | 5°22 | 23°53 | 23°29 | 1°10 | 27°58 | 1°21 | 12°28 | 8°24 | 0°55 | 29°43 | 18° 5 | n.a. | S 16 |
| S 17 | 14 30 18 | 7°28'49 | 1♉42 | 7°33 | 25° 0 | 23°50 | 1°20 | 27°57 | 1°25 | 12°27 | 8°25 | 0°46 | 29°40 | 18°12 | n.a. | S 17 |
| M18 | 14 34 15 | 8°25'52 | 14°36 | 9°43 | 26° 6 | 24°12 | 1°30 | 27°57 | 1°28 | 12°26 | 8°26 | 0°35 | 29°36 | 18°19 | n.a. | M18 |
| T 19 | 14 38 11 | 9°22'56 | 27°16 | 11°52 | 27°13 | 24°34 | 1°40 | 27°D57 | 1°32 | 12°26 | 8°28 | 0°23 | 29°33 | 18°25 | n.a. | T 19 |
| W20 | 14 42 8 | 10°20'01 | 9♊42 | 14° 1 | 28°20 | 24°56 | 1°50 | 27°57 | 1°35 | 12°25 | 8°29 | 0°12 | 29°30 | 18°32 | n.a. | W20 |
| T 21 | 14 46 5 | 11°17'05 | 21°54 | 16° 8 | 29°27 | 25°19 | 2° 0 | 27°57 | 1°39 | 12°24 | 8°30 | 0° 2 | 29°27 | 18°39 | n.a. | T 21 |
| F 22 | 14 50 1 | 12°14'09 | 3♋56 | 18°14 | 0♈34 | 25°43 | 2°11 | 27°57 | 1°42 | 12°24 | 8°31 | 29♒54 | 29°24 | 18°45 | n.a. | F 22 |
| S 23 | 14 53 58 | 13°11'13 | 15°50 | 20°19 | 1°41 | 26° 7 | 2°21 | 27°58 | 1°46 | 12°23 | 8°33 | 29°48 | 29°21 | 18°52 | n.a. | S 23 |
| S 24 | 14 57 54 | 14° 8'18 | 27°39 | 22°23 | 2°49 | 26°31 | 2°32 | 27°58 | 1°49 | 12°23 | 8°34 | 29°45 | 29°17 | 18°59 | n.a. | S 24 |
| M25 | 15 1 51 | 15° 5'22 | 9♌29 | 24°25 | 3°56 | 26°56 | 2°42 | 27°59 | 1°53 | 12°22 | 8°35 | 29°44 | 29°14 | 19° 5 | n.a. | M25 |
| T 26 | 15 5 47 | 16° 2'27 | 21°25 | 26°25 | 5° 4 | 27°21 | 2°53 | 27°59 | 1°56 | 12°21 | 8°37 | 29°D44 | 29°11 | 19°12 | n.a. | T 26 |
| W27 | 15 9 44 | 16°59'31 | 3♍33 | 28°23 | 6°12 | 27°46 | 3° 4 | 28° 0 | 2° 0 | 12°21 | 8°38 | 29°R44 | 29° 8 | 19°19 | n.a. | W27 |
| T 28 | 15 13 41 | 17°56'36 | 15°57 | 0♊20 | 7°19 | 28°12 | 3°15 | 28° 1 | 2° 3 | 12°21 | 8°39 | 29°43 | 29° 5 | 19°25 | n.a. | T 28 |
| F 29 | 15 17 37 | 18°53'41 | 28°42 | 2°15 | 8°27 | 28°38 | 3°25 | 28° 2 | 2° 7 | 12°20 | 8°41 | 29°40 | 29° 1 | 19°32 | n.a. | F 29 |
| S 30 | 15 21 34 | 19°50'46 | 11♎51 | 4° 8 | 9°35 | 29° 5 | 3°36 | 28° 3 | 2°11 | 12°20 | 8°42 | 29°35 | 28°58 | 19°39 | n.a. | S 30 |
| S 31 | 15 25 30 | 20♉47'52 | 25♎27 | 5♊59 | 10♈44 | 29♌32 | 3♋48 | 28♌ 4 | 2♊14 | 12♍19 | 8♋44 | 29♒27 | 28♒55 | 19♋45 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 8n50 | 2n15 | 1s39 | 0n21 | 1s47 | 10s28 | 1s43 | 16n45 | 1n28 | 24n49 | 0n54 | 14n51 | 2n41 | 20n47 | 0n 7 | 8n52 | 2n 7 | 35n32 | 11n53 | 10s59 | 11s31 | 26n27 | | n.a. |
| S 2 | 9 12 | 3s58 | 2 42 | 1 13 | 1 37 | 10 7 | 1 46 | 16 38 | 1 25 | 24 49 | 0 54 | 14 51 | 2 41 | 20 48 | 0 7 | 8 53 | 2 7 | 35 31 | 11 53 | 11 0 | 11 32 | 26 26 | | n.a. |
| S 3 | 9 33 | 10 11 | 3 38 | 2 6 | 1 28 | 9 44 | 1 49 | 16 31 | 1 22 | 24 49 | 0 54 | 14 52 | 2 41 | 20 49 | 0 7 | 8 53 | 2 7 | 35 31 | 11 53 | 11 2 | 11 33 | 26 24 | | n.a. |
| M 4 | 9 55 | 16 4 | 4 22 | 3 1 | 1 17 | 9 22 | 1 51 | 16 24 | 1 20 | 24 49 | 0 54 | 14 52 | 2 41 | 20 49 | 0 7 | 8 54 | 2 7 | 35 31 | 11 52 | 11 5 | 11 34 | 26 23 | | n.a. |
| T 5 | 10 16 | 21 14 | 4 52 | 3 56 | 1 7 | 8 59 | 1 53 | 16 17 | 1 17 | 24 49 | 0 54 | 14 52 | 2 40 | 20 50 | 0 7 | 8 54 | 2 7 | 35 30 | 11 52 | 11 8 | 11 36 | 26 21 | | n.a. |
| W 6 | 10 37 | 25 17 | 5 5 | 4 52 | 0 56 | 8 36 | 1 55 | 16 9 | 1 14 | 24 49 | 0 54 | 14 52 | 2 40 | 20 51 | 0 7 | 8 54 | 2 7 | 35 30 | 11 52 | 11 11 | 11 37 | 26 20 | | n.a. |
| T 7 | 10 58 | 27 48 | 4 59 | 5 49 | 0 46 | 8 12 | 1 58 | 16 1 | 1 12 | 24 49 | 0 54 | 14 53 | 2 40 | 20 51 | 0 7 | 8 55 | 2 7 | 35 30 | 11 52 | 11 14 | 11 38 | 26 18 | | n.a. |
| F 8 | 11 19 | 28 28 | 4 34 | 6 47 | 0 35 | 7 48 | 2 0 | 15 54 | 1 9 | 24 49 | 0 54 | 14 53 | 2 40 | 20 52 | 0 7 | 8 55 | 2 7 | 35 29 | 11 51 | 11 16 | 11 39 | 26 16 | | n.a. |
| S 9 | 11 39 | 27 13 | 3 52 | 7 45 | 0 24 | 7 24 | 2 1 | 15 46 | 1 7 | 24 49 | 0 54 | 14 53 | 2 39 | 20 53 | 0 7 | 8 55 | 2 7 | 35 29 | 11 51 | 11 17 | 11 40 | 26 15 | | n.a. |
| S 10 | 12 0 | 24 12 | 2 55 | 8 43 | 0 13 | 7 0 | 2 3 | 15 37 | 1 4 | 24 49 | 0 54 | 14 53 | 2 39 | 20 53 | 0 7 | 8 56 | 2 7 | 35 29 | 11 51 | 11 18 | 11 41 | 26 13 | | n.a. |
| M11 | 12 20 | 19 46 | 1 49 | 9 41 | 0 2 | 6 35 | 2 5 | 15 29 | 1 2 | 24 49 | 0 54 | 14 53 | 2 39 | 20 54 | 0 7 | 8 56 | 2 7 | 35 28 | 11 51 | 11 18 | 11 42 | 26 12 | | n.a. |
| T 12 | 12 40 | 14 16 | 0 37 | 10 38 | 0n 9 | 6 10 | 2 6 | 15 21 | 0 59 | 24 49 | 0 54 | 14 53 | 2 39 | 20 55 | 0 7 | 8 56 | 2 7 | 35 28 | 11 50 | 11 18 | 11 44 | 26 10 | | n.a. |
| W13 | 13 0 | 8 8 | 0n37 | 11 35 | 0 20 | 5 45 | 2 7 | 15 12 | 0 57 | 24 49 | 0 54 | 14 53 | 2 39 | 20 56 | 0 7 | 8 57 | 2 7 | 35 28 | 11 50 | 11 18 | 11 45 | 26 9 | | n.a. |
| T 14 | 13 19 | 1 41 | 1 48 | 12 32 | 0 30 | 5 20 | 2 9 | 15 3 | 0 55 | 24 49 | 0 53 | 14 53 | 2 38 | 20 56 | 0 7 | 8 57 | 2 6 | 35 28 | 11 50 | 11 18 | 11 46 | 26 7 | | n.a. |
| F 15 | 13 39 | 4n44 | 2 51 | 13 27 | 0 40 | 4 54 | 2 10 | 14 54 | 0 52 | 24 49 | 0 53 | 14 53 | 2 38 | 20 57 | 0 7 | 8 57 | 2 6 | 35 27 | 11 50 | 11 20 | 11 47 | 26 6 | | n.a. |
| S 16 | 13 58 | 10 52 | 3 44 | 14 21 | 0 49 | 4 28 | 2 11 | 14 45 | 0 50 | 24 49 | 0 53 | 14 53 | 2 38 | 20 58 | 0 7 | 8 57 | 2 6 | 35 27 | 11 49 | 11 22 | 11 48 | 26 4 | | n.a. |
| S 17 | 14 17 | 16 26 | 4 25 | 15 13 | 0 58 | 4 2 | 2 12 | 14 36 | 0 48 | 24 49 | 0 53 | 14 53 | 2 38 | 20 58 | 0 7 | 8 58 | 2 6 | 35 27 | 11 49 | 11 25 | 11 49 | 26 2 | | n.a. |
| M18 | 14 36 | 21 9 | 4 50 | 16 4 | 1 6 | 3 36 | 2 13 | 14 26 | 0 45 | 24 48 | 0 53 | 14 53 | 2 37 | 20 59 | 0 7 | 8 58 | 2 6 | 35 26 | 11 49 | 11 29 | 11 50 | 26 1 | | n.a. |
| T 19 | 14 55 | 24 50 | 5 1 | 16 53 | 1 14 | 3 9 | 2 13 | 14 17 | 0 43 | 24 48 | 0 53 | 14 53 | 2 37 | 21 0 | 0 7 | 8 58 | 2 6 | 35 26 | 11 49 | 11 34 | 11 52 | 25 59 | | n.a. |
| W20 | 15 13 | 27 16 | 4 58 | 17 40 | 1 21 | 2 43 | 2 14 | 14 7 | 0 41 | 24 48 | 0 53 | 14 52 | 2 37 | 21 1 | 0 7 | 8 58 | 2 6 | 35 26 | 11 48 | 11 38 | 11 53 | 25 58 | | n.a. |
| T 21 | 15 31 | 28 20 | 4 41 | 18 24 | 1 28 | 2 16 | 2 14 | 13 57 | 0 39 | 24 48 | 0 53 | 14 52 | 2 37 | 21 1 | 0 7 | 8 59 | 2 6 | 35 25 | 11 48 | 11 41 | 11 54 | 25 56 | | n.a. |
| F 22 | 15 49 | 28 3 | 4 11 | 19 7 | 1 34 | 1 49 | 2 15 | 13 47 | 0 37 | 24 48 | 0 53 | 14 52 | 2 37 | 21 2 | 0 7 | 8 59 | 2 6 | 35 25 | 11 48 | 11 44 | 11 55 | 25 54 | | n.a. |
| S 23 | 16 7 | 26 27 | 3 31 | 19 47 | 1 39 | 1 22 | 2 15 | 13 36 | 0 34 | 24 48 | 0 53 | 14 52 | 2 36 | 21 3 | 0 7 | 8 59 | 2 6 | 35 25 | 11 48 | 11 46 | 11 56 | 25 53 | | n.a. |
| S 24 | 16 24 | 23 41 | 2 41 | 20 25 | 1 44 | 0 55 | 2 15 | 13 26 | 0 32 | 24 47 | 0 53 | 14 51 | 2 36 | 21 4 | 0 7 | 8 59 | 2 6 | 35 24 | 11 48 | 11 47 | 11 57 | 25 51 | | n.a. |
| M25 | 16 41 | 19 56 | 1 45 | 21 0 | 1 48 | 0 28 | 2 15 | 13 15 | 0 30 | 24 47 | 0 53 | 14 51 | 2 36 | 21 4 | 0 7 | 8 59 | 2 6 | 35 24 | 11 47 | 11 48 | 11 58 | 25 49 | | n.a. |
| T 26 | 16 58 | 15 20 | 0 44 | 21 33 | 1 51 | 0 0 | 2 15 | 13 5 | 0 28 | 24 47 | 0 53 | 14 50 | 2 36 | 21 5 | 0 7 | 8 59 | 2 6 | 35 24 | 11 47 | 11 48 | 11 59 | 25 48 | | n.a. |
| W27 | 17 15 | 10 6 | 0s20 | 22 3 | 1 54 | 0n27 | 2 15 | 12 54 | 0 26 | 24 47 | 0 53 | 14 50 | 2 35 | 21 6 | 0 7 | 9 0 | 2 6 | 35 23 | 11 47 | 11 48 | 12 1 | 25 46 | | n.a. |
| T 28 | 17 31 | 4 21 | 1 25 | 22 31 | 1 56 | 0 55 | 2 15 | 12 43 | 0 24 | 24 46 | 0 53 | 14 49 | 2 35 | 21 6 | 0 7 | 9 0 | 2 6 | 35 23 | 11 47 | 11 48 | 12 2 | 25 44 | | n.a. |
| F 29 | 17 48 | 1s43 | 2 27 | 22 57 | 1 57 | 1 22 | 2 14 | 12 32 | 0 22 | 24 46 | 0 53 | 14 49 | 2 35 | 21 7 | 0 7 | 9 0 | 2 6 | 35 23 | 11 47 | 11 49 | 12 3 | 25 43 | | n.a. |
| S 30 | 18 3 | 7 53 | 3 23 | 23 20 | 1 58 | 1 50 | 2 14 | 12 20 | 0 20 | 24 46 | 0 53 | 14 48 | 2 35 | 21 8 | 0 7 | 9 0 | 2 6 | 35 23 | 11 46 | 11 51 | 12 4 | 25 41 | | n.a. |
| S 31 | 18n19 | 13s54 | 4s10 | 23n40 | 1n58 | 2n17 | 2s13 | 12n 9 | 0n18 | 24n45 | 0n53 | 14n48 | 2n34 | 21n 9 | 0n 7 | 9n 0 | 2n 6 | 35n22 | 11n46 | 11s54 | 12s 5 | 25n39 | | n.a. |

Julian Day Number = 992869.5, Delta T = 13h00m22s
Ecliptic obliquity = 23°55'34, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'24, Lahiri = -31°27'24 Julian Calendar 1 May 1995 BCE == Greg. Calendar 14 Apr. 1995 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## JUNE 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 29 27 | 21♉44'58 | 9♏27 | 7♊48 | 11♈52 | 29♌59 | 3♋59 | 28♌ 5 | 2♊18 | 12°R19 | 8♋45 | 29°R17 | 28♒52 | 19♋52 | n.a. | M 1 |
| T 2 | 15 33 23 | 22°42'05 | 23°49 | 9°36 | 13° 1 | 0♍27 | 4°10 | 28° 6 | 2°22 | 12♍19 | 8°47 | 29♒ 6 | 28°49 | 19°59 | n.a. | T 2 |
| W 3 | 15 37 20 | 23°39'12 | 8♐26 | 11°22 | 14° 9 | 0°55 | 4°21 | 28° 8 | 2°25 | 12°18 | 8°48 | 28°55 | 28°46 | 20° 5 | n.a. | W 3 |
| T 4 | 15 41 17 | 24°36'21 | 23°10 | 13° 5 | 15°18 | 1°23 | 4°32 | 28° 9 | 2°29 | 12°18 | 8°50 | 28°45 | 28°42 | 20°12 | n.a. | T 4 |
| F 5 | 15 45 13 | 25°33'30 | 7♑55 | 14°47 | 16°27 | 1°52 | 4°44 | 28°11 | 2°33 | 12°18 | 8°51 | 28°38 | 28°39 | 20°19 | n.a. | F 5 |
| S 6 | 15 49 10 | 26°30'40 | 22°32 | 16°28 | 17°35 | 2°21 | 4°55 | 28°12 | 2°36 | 12°18 | 8°53 | 28°33 | 28°36 | 20°25 | n.a. | S 6 |
| S 7 | 15 53 6 | 27°27'51 | 6♒57 | 18° 6 | 18°44 | 2°50 | 5° 7 | 28°14 | 2°40 | 12°18 | 8°54 | 28°30 | 28°33 | 20°32 | n.a. | S 7 |
| M 8 | 15 57 3 | 28°25'03 | 21° 7 | 19°43 | 19°54 | 3°20 | 5°18 | 28°16 | 2°44 | 12°18 | 8°56 | 28°29 | 28°30 | 20°39 | n.a. | M 8 |
| T 9 | 16 0 59 | 29°22'16 | 5♓ 1 | 21°17 | 21° 3 | 3°50 | 5°30 | 28°18 | 2°47 | 12°18 | 8°58 | 28°29 | 28°27 | 20°45 | n.a. | T 9 |
| W10 | 16 4 56 | 0♊19'31 | 18°39 | 22°50 | 22°12 | 4°20 | 5°42 | 28°20 | 2°51 | 12°17 | 8°59 | 28°29 | 28°23 | 20°52 | n.a. | W10 |
| T 11 | 16 8 53 | 1°16'46 | 2♈ 3 | 24°21 | 23°22 | 4°50 | 5°54 | 28°22 | 2°55 | 12°D17 | 9° 1 | 28°26 | 28°20 | 20°59 | n.a. | T 11 |
| F 12 | 16 12 49 | 2°14'03 | 15°14 | 25°50 | 24°31 | 5°21 | 6° 5 | 28°24 | 2°58 | 12°17 | 9° 3 | 28°21 | 28°17 | 21° 5 | n.a. | F 12 |
| S 13 | 16 16 46 | 3°11'21 | 28°13 | 27°17 | 25°41 | 5°52 | 6°17 | 28°27 | 3° 2 | 12°18 | 9° 4 | 28°14 | 28°14 | 21°12 | n.a. | S 13 |
| S 14 | 16 20 42 | 4° 8'40 | 11♉ 0 | 28°43 | 26°50 | 6°23 | 6°29 | 28°29 | 3° 6 | 12°18 | 9° 6 | 28° 3 | 28°11 | 21°19 | n.a. | S 14 |
| M15 | 16 24 39 | 5° 6'00 | 23°36 | 0♋ 6 | 28° 0 | 6°55 | 6°41 | 28°31 | 3° 9 | 12°18 | 9° 8 | 27°51 | 28° 7 | 21°26 | n.a. | M15 |
| T 16 | 16 28 35 | 6° 3'22 | 6♊ 1 | 1°27 | 29°10 | 7°27 | 6°53 | 28°34 | 3°13 | 12°18 | 9°10 | 27°37 | 28° 4 | 21°32 | n.a. | T 16 |
| W17 | 16 32 32 | 7° 0'45 | 18°15 | 2°47 | 0♉20 | 7°59 | 7° 5 | 28°37 | 3°17 | 12°18 | 9°11 | 27°24 | 28° 1 | 21°39 | n.a. | W17 |
| T 18 | 16 36 28 | 7°58'08 | 0♋20 | 4° 4 | 1°30 | 8°32 | 7°18 | 28°39 | 3°20 | 12°18 | 9°13 | 27°13 | 27°58 | 21°46 | n.a. | T 18 |
| F 19 | 16 40 25 | 8°55'33 | 12°16 | 5°19 | 2°40 | 9° 4 | 7°30 | 28°42 | 3°24 | 12°18 | 9°15 | 27° 3 | 27°55 | 21°52 | n.a. | F 19 |
| S 20 | 16 44 22 | 9°52'59 | 24° 6 | 6°32 | 3°51 | 9°37 | 7°42 | 28°45 | 3°28 | 12°19 | 9°17 | 26°57 | 27°52 | 21°59 | n.a. | S 20 |
| S 21 | 16 48 18 | 10°50'26 | 5♌53 | 7°43 | 5° 1 | 10°10 | 7°54 | 28°48 | 3°31 | 12°19 | 9°19 | 26°53 | 27°48 | 22° 6 | n.a. | S 21 |
| M22 | 16 52 15 | 11°47'53 | 17°42 | 8°52 | 6°11 | 10°44 | 8° 7 | 28°51 | 3°35 | 12°19 | 9°20 | 26°51 | 27°45 | 22°12 | n.a. | M22 |
| T 23 | 16 56 11 | 12°45'22 | 29°36 | 9°58 | 7°22 | 11°17 | 8°19 | 28°54 | 3°39 | 12°20 | 9°22 | 26°D51 | 27°42 | 22°19 | n.a. | T 23 |
| W24 | 17 0 8 | 13°42'52 | 11♍42 | 11° 1 | 8°33 | 11°51 | 8°31 | 28°58 | 3°42 | 12°20 | 9°24 | 26°R51 | 27°39 | 22°26 | n.a. | W24 |
| T 25 | 17 4 4 | 14°40'23 | 24° 4 | 12° 2 | 9°43 | 12°26 | 8°44 | 29° 1 | 3°46 | 12°21 | 9°26 | 26°50 | 27°36 | 22°32 | n.a. | T 25 |
| F 26 | 17 8 1 | 15°37'55 | 6♎47 | 13° 0 | 10°54 | 13° 0 | 8°56 | 29° 5 | 3°50 | 12°21 | 9°28 | 26°49 | 27°33 | 22°39 | n.a. | F 26 |
| S 27 | 17 11 57 | 16°35'28 | 19°57 | 13°56 | 12° 5 | 13°34 | 9° 9 | 29° 8 | 3°53 | 12°22 | 9°30 | 26°45 | 27°29 | 22°46 | n.a. | S 27 |
| S 28 | 17 15 54 | 17°33'02 | 3♏35 | 14°48 | 13°16 | 14° 9 | 9°21 | 29°12 | 3°57 | 12°22 | 9°32 | 26°38 | 27°26 | 22°52 | n.a. | S 28 |
| M29 | 17 19 51 | 18°30'38 | 17°42 | 15°37 | 14°27 | 14°44 | 9°34 | 29°15 | 4° 1 | 12°23 | 9°34 | 26°30 | 27°23 | 22°59 | n.a. | M29 |
| T 30 | 17 23 47 | 19♊28'15 | 2♐15 | 16♋23 | 15♉38 | 15♍20 | 9♋46 | 29♌19 | 4♊ 4 | 12♍23 | 9♋35 | 26♒20 | 27♒20 | 23♋ 6 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 18n34 | 19s23 | 4s43 | 23n59 | 1n57 | 2n45 | 2s13 | 11n57 | 0n16 | 24n45 | 0n53 | 14n47 | 2n34 | 21n 9 | 0n 7 | 9n 0 | 2n 5 | 35n22 | 11n46 | 11s57 | 12s 6 | 25n38 | | n.a. |
| T 2 | 18 49 | 23 55 | 4 59 | 24 15 | 1 56 | 3 13 | 2 12 | 11 46 | 0 14 | 24 45 | 0 53 | 14 46 | 2 34 | 21 10 | 0 7 | 9 0 | 2 5 | 35 22 | 11 46 | 12 1 | 12 7 | 25 36 | | n.a. |
| W 3 | 19 4 | 27 2 | 4 56 | 24 29 | 1 54 | 3 41 | 2 11 | 11 34 | 0 13 | 24 44 | 0 53 | 14 46 | 2 34 | 21 11 | 0 7 | 9 0 | 2 5 | 35 21 | 11 46 | 12 5 | 12 8 | 25 34 | | n.a. |
| T 4 | 19 18 | 28 18 | 4 34 | 24 41 | 1 52 | 4 9 | 2 10 | 11 22 | 0 11 | 24 44 | 0 53 | 14 45 | 2 33 | 21 12 | 0 7 | 9 0 | 2 5 | 35 21 | 11 45 | 12 9 | 12 10 | 25 33 | | n.a. |
| F 5 | 19 32 | 27 34 | 3 53 | 24 51 | 1 49 | 4 36 | 2 9 | 11 10 | 0 9 | 24 43 | 0 53 | 14 44 | 2 33 | 21 12 | 0 7 | 9 0 | 2 5 | 35 21 | 11 45 | 12 11 | 12 11 | 25 31 | | n.a. |
| S 6 | 19 46 | 24 55 | 2 58 | 24 58 | 1 46 | 5 4 | 2 8 | 10 58 | 0 7 | 24 43 | 0 53 | 14 43 | 2 33 | 21 13 | 0 7 | 9 0 | 2 5 | 35 21 | 11 45 | 12 13 | 12 12 | 25 29 | | n.a. |
| S 7 | 20 0 | 20 42 | 1 51 | 25 4 | 1 42 | 5 32 | 2 7 | 10 45 | 0 5 | 24 43 | 0 53 | 14 42 | 2 33 | 21 14 | 0 7 | 9 0 | 2 5 | 35 20 | 11 45 | 12 14 | 12 13 | 25 27 | | n.a. |
| M 8 | 20 13 | 15 22 | 0 39 | 25 8 | 1 38 | 6 0 | 2 6 | 10 33 | 0 4 | 24 42 | 0 53 | 14 42 | 2 33 | 21 15 | 0 7 | 9 0 | 2 5 | 35 20 | 11 45 | 12 14 | 12 14 | 25 26 | | n.a. |
| T 9 | 20 25 | 9 20 | 0n34 | 25 10 | 1 33 | 6 27 | 2 5 | 10 20 | 0 2 | 24 42 | 0 53 | 14 41 | 2 32 | 21 15 | 0 7 | 9 0 | 2 5 | 35 20 | 11 45 | 12 14 | 12 15 | 25 24 | | n.a. |
| W10 | 20 38 | 2 59 | 1 44 | 25 11 | 1 27 | 6 55 | 2 3 | 10 7 | 0 0 | 24 41 | 0 53 | 14 40 | 2 32 | 21 16 | 0 7 | 9 0 | 2 5 | 35 19 | 11 44 | 12 15 | 12 16 | 25 22 | | n.a. |
| T 11 | 20 50 | 3n23 | 2 47 | 25 10 | 1 22 | 7 22 | 2 2 | 9 54 | 0s 1 | 24 41 | 0 53 | 14 39 | 2 32 | 21 17 | 0 7 | 9 0 | 2 5 | 35 19 | 11 44 | 12 15 | 12 17 | 25 20 | | n.a. |
| F 12 | 21 2 | 9 29 | 3 40 | 25 7 | 1 15 | 7 50 | 2 0 | 9 41 | 0 3 | 24 40 | 0 53 | 14 38 | 2 32 | 21 18 | 0 7 | 9 0 | 2 5 | 35 19 | 11 44 | 12 17 | 12 19 | 25 19 | | n.a. |
| S 13 | 21 13 | 15 6 | 4 21 | 25 3 | 1 9 | 8 17 | 1 59 | 9 28 | 0 5 | 24 39 | 0 53 | 14 37 | 2 31 | 21 18 | 0 7 | 9 0 | 2 5 | 35 19 | 11 44 | 12 20 | 12 20 | 25 17 | | n.a. |
| S 14 | 21 24 | 19 58 | 4 47 | 24 57 | 1 2 | 8 44 | 1 57 | 9 15 | 0 6 | 24 39 | 0 53 | 14 36 | 2 31 | 21 19 | 0 7 | 9 0 | 2 5 | 35 18 | 11 44 | 12 24 | 12 21 | 25 15 | | n.a. |
| M15 | 21 35 | 23 52 | 4 59 | 24 50 | 0 54 | 9 11 | 1 55 | 9 1 | 0 8 | 24 38 | 0 53 | 14 35 | 2 31 | 21 20 | 0 7 | 9 0 | 2 5 | 35 18 | 11 44 | 12 28 | 12 22 | 25 13 | | n.a. |
| T 16 | 21 45 | 26 37 | 4 57 | 24 41 | 0 46 | 9 38 | 1 54 | 8 48 | 0 10 | 24 38 | 0 53 | 14 33 | 2 31 | 21 21 | 0 7 | 9 0 | 2 4 | 35 18 | 11 44 | 12 33 | 12 23 | 25 11 | | n.a. |
| W17 | 21 55 | 28 3 | 4 41 | 24 32 | 0 38 | 10 5 | 1 52 | 8 34 | 0 11 | 24 37 | 0 53 | 14 32 | 2 31 | 21 21 | 0 7 | 9 0 | 2 4 | 35 18 | 11 44 | 12 37 | 12 24 | 25 10 | | n.a. |
| T 18 | 22 5 | 28 8 | 4 12 | 24 21 | 0 30 | 10 31 | 1 50 | 8 21 | 0 13 | 24 36 | 0 53 | 14 31 | 2 30 | 21 22 | 0 7 | 8 59 | 2 4 | 35 17 | 11 43 | 12 41 | 12 25 | 25 8 | | n.a. |
| F 19 | 22 14 | 26 53 | 3 33 | 24 10 | 0 21 | 10 58 | 1 48 | 8 7 | 0 14 | 24 36 | 0 53 | 14 30 | 2 30 | 21 23 | 0 7 | 8 59 | 2 4 | 35 17 | 11 43 | 12 44 | 12 26 | 25 6 | | n.a. |
| S 20 | 22 23 | 24 25 | 2 44 | 23 57 | 0 12 | 11 24 | 1 46 | 7 53 | 0 16 | 24 35 | 0 53 | 14 29 | 2 30 | 21 23 | 0 7 | 8 59 | 2 4 | 35 17 | 11 43 | 12 47 | 12 28 | 25 4 | | n.a. |
| S 21 | 22 31 | 20 56 | 1 49 | 23 44 | 0 2 | 11 50 | 1 44 | 7 38 | 0 17 | 24 34 | 0 53 | 14 27 | 2 30 | 21 24 | 0 7 | 8 59 | 2 4 | 35 17 | 11 43 | 12 48 | 12 29 | 25 2 | | n.a. |
| M22 | 22 40 | 16 36 | 0 48 | 23 29 | 0s 8 | 12 16 | 1 42 | 7 24 | 0 19 | 24 33 | 0 53 | 14 26 | 2 29 | 21 25 | 0 7 | 8 59 | 2 4 | 35 16 | 11 43 | 12 49 | 12 30 | 25 1 | | n.a. |
| T 23 | 22 47 | 11 37 | 0s15 | 23 15 | 0 18 | 12 41 | 1 39 | 7 10 | 0 20 | 24 33 | 0 53 | 14 25 | 2 29 | 21 26 | 0 7 | 8 58 | 2 4 | 35 16 | 11 43 | 12 49 | 12 31 | 24 59 | | n.a. |
| W24 | 22 55 | 6 7 | 1 18 | 22 59 | 0 28 | 13 7 | 1 37 | 6 55 | 0 22 | 24 32 | 0 53 | 14 23 | 2 29 | 21 26 | 0 7 | 8 58 | 2 4 | 35 16 | 11 43 | 12 49 | 12 32 | 24 57 | | n.a. |
| T 25 | 23 1 | 0 17 | 2 19 | 22 43 | 0 39 | 13 32 | 1 35 | 6 41 | 0 23 | 24 31 | 0 53 | 14 22 | 2 29 | 21 27 | 0 7 | 8 58 | 2 4 | 35 16 | 11 43 | 12 49 | 12 33 | 24 55 | | n.a. |
| F 26 | 23 8 | 5s44 | 3 16 | 22 27 | 0 50 | 13 56 | 1 32 | 6 26 | 0 24 | 24 30 | 0 53 | 14 21 | 2 29 | 21 28 | 0 7 | 8 58 | 2 4 | 35 15 | 11 43 | 12 50 | 12 34 | 24 53 | | n.a. |
| S 27 | 23 14 | 11 42 | 4 3 | 22 10 | 1 1 | 14 21 | 1 30 | 6 11 | 0 26 | 24 29 | 0 53 | 14 19 | 2 28 | 21 29 | 0 7 | 8 58 | 2 4 | 35 15 | 11 43 | 12 51 | 12 35 | 24 51 | | n.a. |
| S 28 | 23 20 | 17 19 | 4 39 | 21 53 | 1 12 | 14 45 | 1 28 | 5 56 | 0 27 | 24 29 | 0 53 | 14 18 | 2 28 | 21 29 | 0 7 | 8 57 | 2 4 | 35 15 | 11 43 | 12 53 | 12 36 | 24 49 | | n.a. |
| M29 | 23 25 | 22 14 | 4 59 | 21 36 | 1 24 | 15 9 | 1 25 | 5 41 | 0 29 | 24 28 | 0 53 | 14 16 | 2 28 | 21 30 | 0 7 | 8 57 | 2 4 | 35 15 | 11 43 | 12 56 | 12 38 | 24 48 | | n.a. |
| T 30 | 23n30 | 25s57 | 5s 1 | 21n19 | 1s35 | 15n32 | 1s22 | 5n26 | 0s30 | 24n27 | 0n53 | 14n15 | 2n28 | 21n31 | 0n 7 | 8n57 | 2n 4 | 35n15 | 11n43 | 13s 0 | 12s39 | 24n46 | | n.a. |

Julian Day Number = 992900.5, Delta T = 13h00m20s
Ecliptic obliquity = 23°55'33, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'20, Lahiri = -31°27'20 Julian Calendar 1 June 1995 BCE == Greg. Calendar 15 May 1995 BCE


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## JULY 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 27 44 | 20♊25'53 | 17♐ 7 | 17♋ 5 | 16♉49 | 15♍55 | 9♋59 | 29♌23 | 4♊ 8 | 12♍24 | 9♋37 | 26°R10 | 27♒17 | 23♋12 | n.a. | W 1 |
| T 2 | 17 31 40 | 21°23'33 | 2♑11 | 17°43 | 18° 0 | 16°31 | 10°12 | 29°27 | 4°11 | 12°25 | 9°39 | 26♒ 1 | 27°13 | 23°19 | n.a. | T 2 |
| F 3 | 17 35 37 | 22°21'15 | 17°17 | 18°18 | 19°12 | 17° 6 | 10°25 | 29°31 | 4°15 | 12°25 | 9°41 | 25°55 | 27°10 | 23°26 | n.a. | F 3 |
| S 4 | 17 39 33 | 23°18'58 | 2♒14 | 18°48 | 20°23 | 17°43 | 10°37 | 29°35 | 4°18 | 12°26 | 9°43 | 25°50 | 27° 7 | 23°32 | n.a. | S 4 |
| S 5 | 17 43 30 | 24°16'43 | 16°57 | 19°14 | 21°35 | 18°19 | 10°50 | 29°39 | 4°22 | 12°27 | 9°45 | 25°48 | 27° 4 | 23°39 | n.a. | S 5 |
| M 6 | 17 47 27 | 25°14'29 | 1♓19 | 19°35 | 22°46 | 18°55 | 11° 3 | 29°43 | 4°26 | 12°27 | 9°47 | 25°D48 | 27° 1 | 23°46 | n.a. | M 6 |
| T 7 | 17 51 23 | 26°12'18 | 15°19 | 19°52 | 23°58 | 19°32 | 11°16 | 29°48 | 4°29 | 12°28 | 9°49 | 25°49 | 26°58 | 23°52 | n.a. | T 7 |
| W 8 | 17 55 20 | 27°10'09 | 28°58 | 20° 3 | 25° 9 | 20° 9 | 11°29 | 29°52 | 4°32 | 12°29 | 9°51 | 25°R49 | 26°54 | 23°59 | n.a. | W 8 |
| T 9 | 17 59 16 | 28° 8'01 | 12♈16 | 20° 9 | 26°21 | 20°46 | 11°41 | 29°56 | 4°36 | 12°30 | 9°53 | 25°48 | 26°51 | 24° 6 | n.a. | T 9 |
| F 10 | 18 3 13 | 29° 5'56 | 25°16 | 20°R10 | 27°33 | 21°23 | 11°54 | 0♍ 1 | 4°39 | 12°31 | 9°55 | 25°45 | 26°48 | 24°12 | n.a. | F 10 |
| S 11 | 18 7 9 | 0♋ 3'53 | 8♉ 1 | 20° 5 | 28°45 | 22° 0 | 12° 7 | 0° 5 | 4°43 | 12°32 | 9°57 | 25°40 | 26°45 | 24°19 | n.a. | S 11 |
| S 12 | 18 11 6 | 1° 1'51 | 20°33 | 19°54 | 29°57 | 22°38 | 12°20 | 0°10 | 4°46 | 12°33 | 9°59 | 25°32 | 26°42 | 24°26 | n.a. | S 12 |
| M13 | 18 15 2 | 1°59'52 | 2♊54 | 19°37 | 1♊ 9 | 23°15 | 12°33 | 0°15 | 4°50 | 12°34 | 10° 1 | 25°23 | 26°39 | 24°32 | n.a. | M13 |
| T 14 | 18 18 59 | 2°57'55 | 15° 5 | 19°14 | 2°21 | 23°53 | 12°46 | 0°20 | 4°53 | 12°35 | 10° 3 | 25°13 | 26°35 | 24°39 | n.a. | T 14 |
| W15 | 18 22 56 | 3°55'59 | 27° 8 | 18°45 | 3°34 | 24°31 | 12°59 | 0°24 | 4°56 | 12°36 | 10° 5 | 25° 3 | 26°32 | 24°46 | n.a. | W15 |
| T 16 | 18 26 52 | 4°54'06 | 9♋ 4 | 18°10 | 4°46 | 25°10 | 13°12 | 0°29 | 5° 0 | 12°37 | 10° 7 | 24°55 | 26°29 | 24°52 | n.a. | T 16 |
| F 17 | 18 30 49 | 5°52'14 | 20°55 | 17°29 | 5°58 | 25°48 | 13°25 | 0°34 | 5° 3 | 12°38 | 10° 9 | 24°48 | 26°26 | 24°59 | n.a. | F 17 |
| S 18 | 18 34 45 | 6°50'24 | 2♌43 | 16°44 | 7°11 | 26°26 | 13°38 | 0°39 | 5° 6 | 12°39 | 10°11 | 24°43 | 26°23 | 25° 6 | n.a. | S 18 |
| S 19 | 18 38 42 | 7°48'36 | 14°30 | 15°54 | 8°23 | 27° 5 | 13°51 | 0°44 | 5°10 | 12°40 | 10°13 | 24°40 | 26°19 | 25°12 | n.a. | S 19 |
| M20 | 18 42 38 | 8°46'49 | 26°19 | 15° 1 | 9°36 | 27°44 | 14° 4 | 0°50 | 5°13 | 12°42 | 10°15 | 24°D40 | 26°16 | 25°19 | n.a. | M20 |
| T 21 | 18 46 35 | 9°45'05 | 8♍14 | 14° 4 | 10°49 | 28°23 | 14°17 | 0°55 | 5°16 | 12°43 | 10°17 | 24°41 | 26°13 | 25°26 | n.a. | T 21 |
| W22 | 18 50 31 | 10°43'22 | 20°20 | 13° 6 | 12° 1 | 29° 2 | 14°30 | 1° 0 | 5°19 | 12°44 | 10°19 | 24°42 | 26°10 | 25°32 | n.a. | W22 |
| T 23 | 18 54 28 | 11°41'40 | 2♎41 | 12° 7 | 13°14 | 29°42 | 14°43 | 1° 5 | 5°22 | 12°45 | 10°22 | 24°43 | 26° 7 | 25°39 | n.a. | T 23 |
| F 24 | 18 58 24 | 12°40'01 | 15°21 | 11° 9 | 14°27 | 0♎21 | 14°57 | 1°11 | 5°25 | 12°47 | 10°24 | 24°R44 | 26° 4 | 25°46 | n.a. | F 24 |
| S 25 | 19 2 21 | 13°38'23 | 28°26 | 10°13 | 15°40 | 1° 1 | 15°10 | 1°16 | 5°29 | 12°48 | 10°26 | 24°43 | 26° 0 | 25°52 | n.a. | S 25 |
| S 26 | 19 6 18 | 14°36'47 | 11♏58 | 9°21 | 16°53 | 1°41 | 15°23 | 1°22 | 5°32 | 12°49 | 10°28 | 24°40 | 25°57 | 25°59 | n.a. | S 26 |
| M27 | 19 10 14 | 15°35'13 | 26° 0 | 8°33 | 18° 6 | 2°21 | 15°36 | 1°27 | 5°35 | 12°51 | 10°30 | 24°35 | 25°54 | 26° 6 | n.a. | M27 |
| T 28 | 19 14 11 | 16°33'41 | 10♐29 | 7°50 | 19°19 | 3° 1 | 15°49 | 1°33 | 5°38 | 12°52 | 10°32 | 24°30 | 25°51 | 26°12 | n.a. | T 28 |
| W29 | 19 18 7 | 17°32'10 | 25°22 | 7°15 | 20°32 | 3°41 | 16° 2 | 1°39 | 5°41 | 12°54 | 10°34 | 24°25 | 25°48 | 26°19 | n.a. | W29 |
| T 30 | 19 22 4 | 18°30'42 | 10♑31 | 6°47 | 21°45 | 4°21 | 16°15 | 1°45 | 5°44 | 12°55 | 10°36 | 24°20 | 25°45 | 26°26 | n.a. | T 30 |
| F 31 | 19 26 0 | 19♋29'15 | 25♑47 | 6♋28 | 22♊59 | 5♎ 2 | 16♋28 | 1♍50 | 5♊47 | 12♍57 | 10♋38 | 24♒16 | 25♒41 | 26♋32 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| W 1 | 23n34 | 27s59 | 4s43 | 21n 2 | 1s47 | 15n56 | 1s20 | 5n11 | 0s31 | 24n26 | 0n54 | 14n13 | 2n28 | 21n31 | 0n 7 | 8n56 | 2n 3 | 35n14 | 11n42 | 13s 3 | 12s40 | 24n44 | | | n.a. |
| T 2 | 23 38 | 28 0 | 4 5 | 20 46 | 1 59 | 16 18 | 1 17 | 4 56 | 0 33 | 24 25 | 0 54 | 14 11 | 2 27 | 21 32 | 0 7 | 8 56 | 2 3 | 35 14 | 11 42 | 13 6 | 12 41 | 24 42 | | | n.a. |
| F 3 | 23 42 | 25 56 | 3 10 | 20 29 | 2 11 | 16 41 | 1 15 | 4 40 | 0 34 | 24 24 | 0 54 | 14 10 | 2 27 | 21 33 | 0 7 | 8 56 | 2 3 | 35 14 | 11 42 | 13 8 | 12 42 | 24 40 | | | n.a. |
| S 4 | 23 45 | 22 3 | 2 2 | 20 13 | 2 23 | 17 3 | 1 12 | 4 25 | 0 35 | 24 23 | 0 54 | 14 8 | 2 27 | 21 33 | 0 7 | 8 55 | 2 3 | 35 14 | 11 42 | 13 10 | 12 43 | 24 38 | | | n.a. |
| S 5 | 23 48 | 16 49 | 0 47 | 19 58 | 2 34 | 17 25 | 1 9 | 4 9 | 0 36 | 24 22 | 0 54 | 14 6 | 2 27 | 21 34 | 0 7 | 8 55 | 2 3 | 35 14 | 11 42 | 13 11 | 12 44 | 24 36 | | | n.a. |
| M 6 | 23 50 | 10 46 | 0n29 | 19 44 | 2 46 | 17 46 | 1 7 | 3 54 | 0 38 | 24 21 | 0 54 | 14 5 | 2 27 | 21 35 | 0 7 | 8 55 | 2 3 | 35 13 | 11 42 | 13 11 | 12 45 | 24 34 | | | n.a. |
| T 7 | 23 52 | 4 20 | 1 42 | 19 30 | 2 57 | 18 7 | 1 4 | 3 38 | 0 39 | 24 20 | 0 54 | 14 3 | 2 26 | 21 35 | 0 7 | 8 54 | 2 3 | 35 13 | 11 42 | 13 10 | 12 46 | 24 32 | | | n.a. |
| W 8 | 23 54 | 2n 8 | 2 48 | 19 17 | 3 9 | 18 27 | 1 1 | 3 22 | 0 40 | 24 19 | 0 54 | 14 1 | 2 26 | 21 36 | 0 7 | 8 54 | 2 3 | 35 13 | 11 42 | 13 10 | 12 48 | 24 30 | | | n.a. |
| T 9 | 23 55 | 8 20 | 3 42 | 19 5 | 3 20 | 18 47 | 0 58 | 3 6 | 0 41 | 24 18 | 0 54 | 14 0 | 2 26 | 21 37 | 0 7 | 8 53 | 2 3 | 35 13 | 11 42 | 13 11 | 12 49 | 24 28 | | | n.a. |
| F 10 | 23 55 | 14 3 | 4 24 | 18 55 | 3 30 | 19 7 | 0 55 | 2 50 | 0 42 | 24 16 | 0 54 | 13 58 | 2 26 | 21 37 | 0 7 | 8 53 | 2 3 | 35 13 | 11 42 | 13 12 | 12 50 | 24 26 | | | n.a. |
| S 11 | 23 56 | 19 3 | 4 51 | 18 46 | 3 40 | 19 26 | 0 53 | 2 34 | 0 43 | 24 15 | 0 54 | 13 56 | 2 26 | 21 38 | 0 7 | 8 53 | 2 3 | 35 13 | 11 42 | 13 13 | 12 51 | 24 24 | | | n.a. |
| S 12 | 23 55 | 23 8 | 5 4 | 18 39 | 3 49 | 19 45 | 0 50 | 2 18 | 0 45 | 24 14 | 0 54 | 13 54 | 2 25 | 21 39 | 0 7 | 8 52 | 2 3 | 35 12 | 11 42 | 13 16 | 12 52 | 24 23 | | | n.a. |
| M13 | 23 55 | 26 6 | 5 3 | 18 33 | 3 57 | 20 3 | 0 47 | 2 2 | 0 46 | 24 13 | 0 54 | 13 52 | 2 25 | 21 39 | 0 7 | 8 52 | 2 3 | 35 12 | 11 42 | 13 19 | 12 53 | 24 21 | | | n.a. |
| T 14 | 23 53 | 27 50 | 4 48 | 18 29 | 4 5 | 20 20 | 0 44 | 1 46 | 0 47 | 24 12 | 0 54 | 13 50 | 2 25 | 21 40 | 0 7 | 8 51 | 2 3 | 35 12 | 11 42 | 13 23 | 12 54 | 24 19 | | | n.a. |
| W15 | 23 52 | 28 13 | 4 20 | 18 27 | 4 11 | 20 37 | 0 41 | 1 29 | 0 48 | 24 11 | 0 54 | 13 48 | 2 25 | 21 41 | 0 8 | 8 51 | 2 3 | 35 12 | 11 42 | 13 26 | 12 55 | 24 17 | | | n.a. |
| T 16 | 23 50 | 27 16 | 3 40 | 18 27 | 4 16 | 20 54 | 0 38 | 1 13 | 0 49 | 24 9 | 0 54 | 13 46 | 2 25 | 21 41 | 0 8 | 8 50 | 2 3 | 35 12 | 11 42 | 13 29 | 12 56 | 24 15 | | | n.a. |
| F 17 | 23 48 | 25 5 | 2 52 | 18 28 | 4 19 | 21 10 | 0 35 | 0 56 | 0 50 | 24 8 | 0 54 | 13 44 | 2 25 | 21 42 | 0 8 | 8 50 | 2 3 | 35 12 | 11 42 | 13 31 | 12 58 | 24 13 | | | n.a. |
| S 18 | 23 45 | 21 50 | 1 56 | 18 32 | 4 21 | 21 25 | 0 32 | 0 40 | 0 51 | 24 7 | 0 54 | 13 42 | 2 24 | 21 42 | 0 8 | 8 49 | 2 2 | 35 12 | 11 43 | 13 33 | 12 59 | 24 11 | | | n.a. |
| S 19 | 23 41 | 17 41 | 0 55 | 18 38 | 4 21 | 21 40 | 0 29 | 0 23 | 0 52 | 24 5 | 0 54 | 13 40 | 2 24 | 21 43 | 0 8 | 8 49 | 2 2 | 35 12 | 11 43 | 13 34 | 13 0 | 24 9 | | | n.a. |
| M20 | 23 38 | 12 51 | 0s 9 | 18 46 | 4 20 | 21 54 | 0 26 | 0 6 | 0 53 | 24 4 | 0 54 | 13 38 | 2 24 | 21 44 | 0 8 | 8 48 | 2 2 | 35 11 | 11 43 | 13 34 | 13 1 | 24 7 | | | n.a. |
| T 21 | 23 33 | 7 31 | 1 13 | 18 55 | 4 16 | 22 8 | 0 24 | 0s10 | 0 54 | 24 3 | 0 55 | 13 36 | 2 24 | 21 44 | 0 8 | 8 48 | 2 2 | 35 11 | 11 43 | 13 34 | 13 2 | 24 5 | | | n.a. |
| W22 | 23 29 | 1 51 | 2 15 | 19 7 | 4 10 | 22 21 | 0 21 | 0 27 | 0 55 | 24 1 | 0 55 | 13 34 | 2 24 | 21 45 | 0 8 | 8 47 | 2 2 | 35 11 | 11 43 | 13 33 | 13 3 | 24 3 | | | n.a. |
| T 23 | 23 24 | 4s 0 | 3 12 | 19 20 | 4 3 | 22 33 | 0 18 | 0 44 | 0 56 | 24 0 | 0 55 | 13 32 | 2 24 | 21 45 | 0 8 | 8 47 | 2 2 | 35 11 | 11 43 | 13 33 | 13 4 | 24 1 | | | n.a. |
| F 24 | 23 18 | 9 51 | 4 1 | 19 35 | 3 53 | 22 45 | 0 15 | 1 1 | 0 57 | 23 59 | 0 55 | 13 30 | 2 24 | 21 46 | 0 8 | 8 46 | 2 2 | 35 11 | 11 43 | 13 33 | 13 5 | 23 59 | | | n.a. |
| S 25 | 23 13 | 15 27 | 4 39 | 19 50 | 3 42 | 22 56 | 0 12 | 1 18 | 0 58 | 23 57 | 0 55 | 13 28 | 2 23 | 21 47 | 0 8 | 8 46 | 2 2 | 35 11 | 11 43 | 13 33 | 13 6 | 23 57 | | | n.a. |
| S 26 | 23 6 | 20 32 | 5 3 | 20 7 | 3 29 | 23 7 | 0 9 | 1 35 | 0 59 | 23 56 | 0 55 | 13 26 | 2 23 | 21 47 | 0 8 | 8 45 | 2 2 | 35 11 | 11 43 | 13 34 | 13 7 | 23 54 | | | n.a. |
| M27 | 23 0 | 24 40 | 5 11 | 20 25 | 3 14 | 23 17 | 0 6 | 1 52 | 1 0 | 23 54 | 0 55 | 13 24 | 2 23 | 21 48 | 0 8 | 8 44 | 2 2 | 35 11 | 11 43 | 13 35 | 13 9 | 23 52 | | | n.a. |
| T 28 | 22 52 | 27 24 | 4 59 | 20 44 | 2 58 | 23 26 | 0 3 | 2 9 | 1 1 | 23 53 | 0 55 | 13 21 | 2 23 | 21 48 | 0 8 | 8 44 | 2 2 | 35 11 | 11 43 | 13 37 | 13 10 | 23 50 | | | n.a. |
| W29 | 22 45 | 28 17 | 4 27 | 21 3 | 2 41 | 23 34 | 0 0 | 2 26 | 1 2 | 23 51 | 0 55 | 13 19 | 2 23 | 21 49 | 0 8 | 8 43 | 2 2 | 35 11 | 11 43 | 13 39 | 13 11 | 23 48 | | | n.a. |
| T 30 | 22 37 | 27 5 | 3 36 | 21 22 | 2 23 | 23 42 | 0n 2 | 2 43 | 1 3 | 23 50 | 0 55 | 13 17 | 2 23 | 21 49 | 0 8 | 8 43 | 2 2 | 35 11 | 11 44 | 13 41 | 13 12 | 23 46 | | | n.a. |
| F 31 | 22n29 | 23s52 | 2s29 | 21n41 | 2s 5 | 23n49 | 0n 5 | 3s 0 | 1s 3 | 23n48 | 0n55 | 13n15 | 2n23 | 21n50 | 0n 8 | 8n42 | 2n 2 | 35n10 | 11n44 | 13s42 | 13s13 | 23n44 | | | n.a. |

Julian Day Number = 992930.5, Delta T = 13h00m18s
Ecliptic obliquity = 23°55'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'16, Lahiri = -31°27'16 Julian Calendar 1 July 1995 BCE == Greg. Calendar 14 June 1995 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## AUGUST 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 29 57 | 20♋27'51 | 10♒58 | 6°R18 | 24♊12 | 5♎42 | 16♋41 | 1♏56 | 5♊49 | 12♏58 | 10♋40 | 24°R14 | 25♒38 | 26♋39 | n.a. | S 1 |
| S 2 | 19 33 53 | 21°26'29 | 25°56 | 6°D17 | 25°26 | 6°23 | 16°54 | 2° 2 | 5°52 | 13° 0 | 10°42 | 24°D13 | 25°35 | 26°46 | n.a. | S 2 |
| M 3 | 19 37 50 | 22°25'09 | 10♓34 | 6♋25 | 26°39 | 7° 4 | 17° 7 | 2° 8 | 5°55 | 13° 1 | 10°44 | 24♒14 | 25°32 | 26°52 | n.a. | M 3 |
| T 4 | 19 41 47 | 23°23'51 | 24°47 | 6°43 | 27°53 | 7°45 | 17°20 | 2°14 | 5°58 | 13° 3 | 10°46 | 24°15 | 25°29 | 26°59 | n.a. | T 4 |
| W 5 | 19 45 43 | 24°22'36 | 8♈34 | 7°10 | 29° 6 | 8°26 | 17°33 | 2°20 | 6° 1 | 13° 4 | 10°48 | 24°17 | 25°25 | 27° 6 | n.a. | W 5 |
| T 6 | 19 49 40 | 25°21'23 | 21°56 | 7°47 | 0♋20 | 9° 7 | 17°46 | 2°26 | 6° 3 | 13° 6 | 10°50 | 24°R17 | 25°22 | 27°12 | n.a. | T 6 |
| F 7 | 19 53 36 | 26°20'13 | 4♉55 | 8°32 | 1°34 | 9°48 | 18° 0 | 2°32 | 6° 6 | 13° 8 | 10°52 | 24°17 | 25°19 | 27°19 | n.a. | F 7 |
| S 8 | 19 57 33 | 27°19'06 | 17°35 | 9°25 | 2°47 | 10°30 | 18°13 | 2°38 | 6° 9 | 13° 9 | 10°54 | 24°16 | 25°16 | 27°26 | n.a. | S 8 |
| S 9 | 20 1 29 | 28°18'00 | 29°59 | 10°25 | 4° 1 | 11°11 | 18°26 | 2°45 | 6°11 | 13°11 | 10°56 | 24°13 | 25°13 | 27°32 | n.a. | S 9 |
| M10 | 20 5 26 | 29°16'58 | 12♊10 | 11°33 | 5°15 | 11°53 | 18°39 | 2°51 | 6°14 | 13°13 | 10°58 | 24° 9 | 25°10 | 27°39 | n.a. | M10 |
| T 11 | 20 9 22 | 0♌15'57 | 24°11 | 12°47 | 6°29 | 12°35 | 18°52 | 2°57 | 6°16 | 13°15 | 11° 0 | 24° 5 | 25° 6 | 27°46 | n.a. | T 11 |
| W12 | 20 13 19 | 1°14'59 | 6♋ 6 | 14° 7 | 7°43 | 13°17 | 19° 4 | 3° 4 | 6°19 | 13°16 | 11° 2 | 24° 1 | 25° 3 | 27°52 | n.a. | W12 |
| T 13 | 20 17 15 | 2°14'03 | 17°56 | 15°32 | 8°57 | 13°59 | 19°17 | 3°10 | 6°21 | 13°18 | 11° 4 | 23°58 | 25° 0 | 27°59 | n.a. | T 13 |
| F 14 | 20 21 12 | 3°13'10 | 29°45 | 17° 1 | 10°11 | 14°41 | 19°30 | 3°16 | 6°24 | 13°20 | 11° 5 | 23°55 | 24°57 | 28° 6 | n.a. | F 14 |
| S 15 | 20 25 9 | 4°12'19 | 11♌33 | 18°35 | 11°26 | 15°23 | 19°43 | 3°23 | 6°26 | 13°22 | 11° 7 | 23°53 | 24°54 | 28°12 | n.a. | S 15 |
| S 16 | 20 29 5 | 5°11'30 | 23°23 | 20°11 | 12°40 | 16° 5 | 19°56 | 3°29 | 6°28 | 13°24 | 11° 9 | 23°D53 | 24°51 | 28°19 | n.a. | S 16 |
| M17 | 20 33 2 | 6°10'43 | 5♍18 | 21°50 | 13°54 | 16°48 | 20° 9 | 3°36 | 6°31 | 13°26 | 11°11 | 23°53 | 24°47 | 28°26 | n.a. | M17 |
| T 18 | 20 36 58 | 7° 9'58 | 17°19 | 23°31 | 15° 8 | 17°30 | 20°22 | 3°42 | 6°33 | 13°27 | 11°13 | 23°54 | 24°44 | 28°32 | n.a. | T 18 |
| W19 | 20 40 55 | 8° 9'15 | 29°31 | 25°14 | 16°23 | 18°13 | 20°35 | 3°49 | 6°35 | 13°29 | 11°15 | 23°56 | 24°41 | 28°39 | n.a. | W19 |
| T 20 | 20 44 51 | 9° 8'34 | 11♎56 | 26°58 | 17°37 | 18°56 | 20°47 | 3°56 | 6°37 | 13°31 | 11°17 | 23°57 | 24°38 | 28°46 | n.a. | T 20 |
| F 21 | 20 48 48 | 10° 7'55 | 24°37 | 28°43 | 18°52 | 19°39 | 21° 0 | 4° 2 | 6°39 | 13°33 | 11°19 | 23°58 | 24°35 | 28°52 | n.a. | F 21 |
| S 22 | 20 52 44 | 11° 7'18 | 7♏39 | 0♌29 | 20° 6 | 20°22 | 21°13 | 4° 9 | 6°42 | 13°35 | 11°20 | 23°R58 | 24°31 | 28°59 | n.a. | S 22 |
| S 23 | 20 56 41 | 12° 6'43 | 21° 4 | 2°16 | 21°21 | 21° 5 | 21°25 | 4°16 | 6°44 | 13°37 | 11°22 | 23°58 | 24°28 | 29° 6 | n.a. | S 23 |
| M24 | 21 0 37 | 13° 6'10 | 4♐54 | 4° 2 | 22°35 | 21°48 | 21°38 | 4°23 | 6°46 | 13°39 | 11°24 | 23°58 | 24°25 | 29°12 | n.a. | M24 |
| T 25 | 21 4 34 | 14° 5'39 | 19° 9 | 5°49 | 23°50 | 22°31 | 21°51 | 4°29 | 6°47 | 13°41 | 11°26 | 23°57 | 24°22 | 29°19 | n.a. | T 25 |
| W26 | 21 8 31 | 15° 5'10 | 3♑48 | 7°36 | 25° 4 | 23°14 | 22° 3 | 4°36 | 6°49 | 13°43 | 11°28 | 23°56 | 24°19 | 29°26 | n.a. | W26 |
| T 27 | 21 12 27 | 16° 4'43 | 18°45 | 9°22 | 26°19 | 23°58 | 22°16 | 4°43 | 6°51 | 13°45 | 11°29 | 23°55 | 24°16 | 29°32 | n.a. | T 27 |
| F 28 | 21 16 24 | 17° 4'18 | 3♒53 | 11° 8 | 27°34 | 24°41 | 22°28 | 4°50 | 6°53 | 13°47 | 11°31 | 23°54 | 24°12 | 29°39 | n.a. | F 28 |
| S 29 | 21 20 20 | 18° 3'55 | 19° 3 | 12°54 | 28°49 | 25°25 | 22°41 | 4°57 | 6°55 | 13°49 | 11°33 | 23°D54 | 24° 9 | 29°46 | n.a. | S 29 |
| S 30 | 21 24 17 | 19° 3'34 | 4♓ 6 | 14°39 | 0♌ 4 | 26° 8 | 22°53 | 5° 4 | 6°56 | 13°51 | 11°34 | 23°54 | 24° 6 | 29°52 | n.a. | S 30 |
| M31 | 21 28 13 | 20♌ 3'15 | 18♓53 | 16♌23 | 1♌18 | 26♎52 | 23♋ 5 | 5♏10 | 6♊58 | 13♏53 | 11♋36 | 23♒54 | 24♒ 3 | 29♋59 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n20 | 18s59 | 1s12 | 22n 0 | 1s47 | 23n56 | 0n 8 | 3s17 | 1s 4 | 23n46 | 0n55 | 13n13 | 2n22 | 21n50 | 0n 8 | 8n41 | 2n 2 | 35n10 | 11n44 | 13s43 | 13s14 | 23n42 | | n.a. |
| S 2 | 22 11 | 12 59 | 0n 9 | 22 18 | 1 28 | 24 1 | 0 11 | 3 35 | 1 5 | 23 45 | 0 55 | 13 10 | 2 22 | 21 51 | 0 8 | 8 41 | 2 2 | 35 10 | 11 44 | 13 43 | 13 15 | 23 40 | | n.a. |
| M 3 | 22 1 | 6 24 | 1 28 | 22 36 | 1 10 | 24 6 | 0 13 | 3 52 | 1 6 | 23 43 | 0 56 | 13 8 | 2 22 | 21 52 | 0 8 | 8 40 | 2 2 | 35 10 | 11 44 | 13 43 | 13 16 | 23 38 | | n.a. |
| T 4 | 21 51 | 0n19 | 2 40 | 22 53 | 0 52 | 24 11 | 0 16 | 4 9 | 1 7 | 23 42 | 0 56 | 13 6 | 2 22 | 21 52 | 0 8 | 8 39 | 2 2 | 35 10 | 11 44 | 13 42 | 13 17 | 23 36 | | n.a. |
| W 5 | 21 41 | 6 49 | 3 39 | 23 9 | 0 34 | 24 14 | 0 19 | 4 26 | 1 8 | 23 40 | 0 56 | 13 3 | 2 22 | 21 53 | 0 8 | 8 39 | 2 1 | 35 10 | 11 44 | 13 42 | 13 18 | 23 34 | | n.a. |
| T 6 | 21 30 | 12 48 | 4 25 | 23 24 | 0 18 | 24 17 | 0 21 | 4 44 | 1 8 | 23 38 | 0 56 | 13 1 | 2 22 | 21 53 | 0 8 | 8 38 | 2 1 | 35 10 | 11 45 | 13 42 | 13 19 | 23 32 | | n.a. |
| F 7 | 21 19 | 18 3 | 4 56 | 23 37 | 0 2 | 24 19 | 0 24 | 5 1 | 1 9 | 23 37 | 0 56 | 12 59 | 2 22 | 21 54 | 0 8 | 8 37 | 2 1 | 35 10 | 11 45 | 13 42 | 13 21 | 23 29 | | n.a. |
| S 8 | 21 7 | 22 24 | 5 12 | 23 48 | 0n13 | 24 20 | 0 27 | 5 18 | 1 10 | 23 35 | 0 56 | 12 56 | 2 22 | 21 54 | 0 8 | 8 37 | 2 1 | 35 10 | 11 45 | 13 42 | 13 22 | 23 27 | | n.a. |
| S 9 | 20 55 | 25 38 | 5 12 | 23 57 | 0 27 | 24 21 | 0 29 | 5 35 | 1 11 | 23 33 | 0 56 | 12 54 | 2 22 | 21 54 | 0 8 | 8 36 | 2 1 | 35 10 | 11 45 | 13 43 | 13 23 | 23 25 | | n.a. |
| M10 | 20 43 | 27 38 | 4 59 | 24 4 | 0 40 | 24 21 | 0 32 | 5 53 | 1 11 | 23 32 | 0 56 | 12 51 | 2 21 | 21 55 | 0 8 | 8 35 | 2 1 | 35 10 | 11 45 | 13 44 | 13 24 | 23 23 | | n.a. |
| T 11 | 20 30 | 28 19 | 4 32 | 24 9 | 0 52 | 24 20 | 0 34 | 6 10 | 1 12 | 23 30 | 0 56 | 12 49 | 2 21 | 21 55 | 0 8 | 8 34 | 2 1 | 35 10 | 11 45 | 13 46 | 13 25 | 23 21 | | n.a. |
| W12 | 20 17 | 27 40 | 3 54 | 24 11 | 1 2 | 24 18 | 0 37 | 6 27 | 1 13 | 23 28 | 0 56 | 12 47 | 2 21 | 21 56 | 0 8 | 8 34 | 2 1 | 35 10 | 11 46 | 13 47 | 13 26 | 23 19 | | n.a. |
| T 13 | 20 4 | 25 45 | 3 5 | 24 11 | 1 12 | 24 16 | 0 39 | 6 45 | 1 13 | 23 26 | 0 57 | 12 44 | 2 21 | 21 56 | 0 8 | 8 33 | 2 1 | 35 10 | 11 46 | 13 48 | 13 27 | 23 17 | | n.a. |
| F 14 | 19 50 | 22 43 | 2 9 | 24 9 | 1 20 | 24 13 | 0 41 | 7 2 | 1 14 | 23 24 | 0 57 | 12 42 | 2 21 | 21 57 | 0 8 | 8 32 | 2 1 | 35 10 | 11 46 | 13 49 | 13 28 | 23 15 | | n.a. |
| S 15 | 19 36 | 18 45 | 1 8 | 24 3 | 1 28 | 24 9 | 0 44 | 7 19 | 1 15 | 23 23 | 0 57 | 12 39 | 2 21 | 21 57 | 0 8 | 8 31 | 2 1 | 35 10 | 11 46 | 13 50 | 13 29 | 23 12 | | n.a. |
| S 16 | 19 21 | 14 2 | 0 3 | 23 55 | 1 34 | 24 4 | 0 46 | 7 36 | 1 15 | 23 21 | 0 57 | 12 37 | 2 21 | 21 58 | 0 8 | 8 31 | 2 1 | 35 10 | 11 46 | 13 50 | 13 30 | 23 10 | | n.a. |
| M17 | 19 6 | 8 47 | 1s 3 | 23 45 | 1 39 | 23 59 | 0 48 | 7 54 | 1 16 | 23 19 | 0 57 | 12 34 | 2 21 | 21 58 | 0 8 | 8 30 | 2 1 | 35 10 | 11 47 | 13 50 | 13 31 | 23 8 | | n.a. |
| T 18 | 18 51 | 3 11 | 2 6 | 23 32 | 1 44 | 23 53 | 0 50 | 8 11 | 1 17 | 23 17 | 0 57 | 12 32 | 2 21 | 21 58 | 0 8 | 8 29 | 2 1 | 35 10 | 11 47 | 13 49 | 13 32 | 23 6 | | n.a. |
| W19 | 18 36 | 2s37 | 3 5 | 23 17 | 1 47 | 23 46 | 0 52 | 8 28 | 1 17 | 23 15 | 0 57 | 12 29 | 2 21 | 21 59 | 0 8 | 8 28 | 2 1 | 35 10 | 11 47 | 13 49 | 13 34 | 23 4 | | n.a. |
| T 20 | 18 20 | 8 25 | 3 56 | 22 59 | 1 50 | 23 38 | 0 54 | 8 45 | 1 18 | 23 13 | 0 57 | 12 27 | 2 21 | 21 59 | 0 8 | 8 28 | 2 1 | 35 10 | 11 47 | 13 48 | 13 35 | 23 2 | | n.a. |
| F 21 | 18 4 | 14 0 | 4 37 | 22 39 | 1 52 | 23 30 | 0 56 | 9 2 | 1 18 | 23 12 | 0 57 | 12 24 | 2 21 | 22 0 | 0 8 | 8 27 | 2 1 | 35 11 | 11 47 | 13 48 | 13 36 | 22 59 | | n.a. |
| S 22 | 17 47 | 19 7 | 5 4 | 22 18 | 1 53 | 23 21 | 0 58 | 9 20 | 1 19 | 23 10 | 0 58 | 12 21 | 2 20 | 22 0 | 0 8 | 8 26 | 2 1 | 35 11 | 11 48 | 13 48 | 13 37 | 22 57 | | n.a. |
| S 23 | 17 30 | 23 28 | 5 17 | 21 54 | 1 53 | 23 11 | 1 0 | 9 37 | 1 19 | 23 8 | 0 58 | 12 19 | 2 20 | 22 0 | 0 8 | 8 25 | 2 1 | 35 11 | 11 48 | 13 48 | 13 38 | 22 55 | | n.a. |
| M24 | 17 13 | 26 39 | 5 11 | 21 28 | 1 53 | 23 0 | 1 2 | 9 54 | 1 20 | 23 6 | 0 58 | 12 16 | 2 20 | 22 1 | 0 8 | 8 24 | 2 1 | 35 11 | 11 48 | 13 48 | 13 39 | 22 53 | | n.a. |
| T 25 | 16 56 | 28 14 | 4 47 | 21 1 | 1 52 | 22 49 | 1 4 | 10 11 | 1 20 | 23 4 | 0 58 | 12 14 | 2 20 | 22 1 | 0 8 | 8 24 | 2 1 | 35 11 | 11 48 | 13 49 | 13 40 | 22 50 | | n.a. |
| W26 | 16 38 | 27 56 | 4 4 | 20 32 | 1 51 | 22 37 | 1 5 | 10 27 | 1 21 | 23 2 | 0 58 | 12 11 | 2 20 | 22 1 | 0 8 | 8 23 | 2 1 | 35 11 | 11 49 | 13 49 | 13 41 | 22 48 | | n.a. |
| T 27 | 16 20 | 25 36 | 3 3 | 20 1 | 1 49 | 22 25 | 1 7 | 10 44 | 1 21 | 23 0 | 0 58 | 12 9 | 2 20 | 22 2 | 0 8 | 8 22 | 2 1 | 35 11 | 11 49 | 13 49 | 13 42 | 22 46 | | n.a. |
| F 28 | 16 2 | 21 26 | 1 49 | 19 29 | 1 47 | 22 12 | 1 9 | 11 1 | 1 22 | 22 58 | 0 58 | 12 6 | 2 20 | 22 2 | 0 8 | 8 21 | 2 1 | 35 11 | 11 49 | 13 49 | 13 43 | 22 44 | | n.a. |
| S 29 | 15 43 | 15 50 | 0 27 | 18 56 | 1 44 | 21 58 | 1 10 | 11 18 | 1 22 | 22 56 | 0 58 | 12 3 | 2 20 | 22 2 | 0 8 | 8 20 | 2 1 | 35 11 | 11 50 | 13 50 | 13 44 | 22 42 | | n.a. |
| S 30 | 15 25 | 9 20 | 0n56 | 18 22 | 1 40 | 21 43 | 1 12 | 11 35 | 1 23 | 22 54 | 0 59 | 12 1 | 2 20 | 22 3 | 0 8 | 8 19 | 2 1 | 35 11 | 11 50 | 13 50 | 13 45 | 22 39 | | n.a. |
| M31 | 15n 6 | 2s26 | 2n14 | 17n47 | 1n37 | 21n28 | 1n13 | 11s51 | 1s23 | 22n52 | 0n59 | 11n58 | 2n20 | 22n 3 | 0n 8 | 8n19 | 2n 1 | 35n11 | 11n50 | 13s49 | 13s46 | 22n37 | | n.a. |

Julian Day Number = 992961.5, Delta T = 13h00m16s
Ecliptic obliquity = 23°55'32, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'12, Lahiri = -31°27'11 Julian Calendar 1 Aug. 1995 BCE == Greg. Calendar 15 July 1995 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## SEPTEMBER 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 32 10 | 21♌ 2'58 | 3♈17 | 18♌ 7 | 2♌33 | 27♎36 | 23♋18 | 5♍17 | 7♊ 0 | 13♍56 | 11♋38 | 23♒54 | 24♒ 0 | 0♌ 6 | n.a. | T 1 |
| W 2 | 21 36 6 | 22° 2'44 | 17°15 | 19°51 | 3°48 | 28°20 | 23°30 | 5°24 | 7° 1 | 13°58 | 11°39 | 23°55 | 23°57 | 0°12 | n.a. | W 2 |
| T 3 | 21 40 3 | 23° 2'33 | 0♉47 | 21°34 | 5° 3 | 29° 4 | 23°42 | 5°31 | 7° 3 | 14° 0 | 11°41 | 23°55 | 23°53 | 0°19 | n.a. | T 3 |
| F 4 | 21 43 59 | 24° 2'24 | 13°52 | 23°16 | 6°18 | 29°48 | 23°54 | 5°38 | 7° 4 | 14° 2 | 11°43 | 23°R55 | 23°50 | 0°26 | n.a. | F 4 |
| S 5 | 21 47 56 | 25° 2'17 | 26°34 | 24°58 | 7°33 | 0♏32 | 24° 7 | 5°45 | 7° 5 | 14° 4 | 11°44 | 23°D55 | 23°47 | 0°32 | n.a. | S 5 |
| S 6 | 21 51 53 | 26° 2'13 | 8♊56 | 26°39 | 8°48 | 1°16 | 24°19 | 5°52 | 7° 7 | 14° 6 | 11°46 | 23°55 | 23°44 | 0°39 | n.a. | S 6 |
| M 7 | 21 55 49 | 27° 2'11 | 21° 4 | 28°19 | 10° 4 | 2° 0 | 24°31 | 5°59 | 7° 8 | 14° 8 | 11°47 | 23°55 | 23°41 | 0°45 | n.a. | M 7 |
| T 8 | 21 59 46 | 28° 2'11 | 3♋ 1 | 29°59 | 11°19 | 2°45 | 24°43 | 6° 6 | 7° 9 | 14°11 | 11°49 | 23°55 | 23°37 | 0°52 | n.a. | T 8 |
| W 9 | 22 3 42 | 29° 2'14 | 14°51 | 1♍38 | 12°34 | 3°29 | 24°55 | 6°13 | 7°11 | 14°13 | 11°51 | 23°56 | 23°34 | 0°59 | n.a. | W 9 |
| T 10 | 22 7 39 | 0♍ 2'19 | 26°39 | 3°17 | 13°49 | 4°13 | 25° 6 | 6°20 | 7°12 | 14°15 | 11°52 | 23°57 | 23°31 | 1° 5 | n.a. | T 10 |
| F 11 | 22 11 35 | 1° 2'26 | 8♌27 | 4°55 | 15° 4 | 4°58 | 25°18 | 6°27 | 7°13 | 14°17 | 11°53 | 23°57 | 23°28 | 1°12 | n.a. | F 11 |
| S 12 | 22 15 32 | 2° 2'36 | 20°19 | 6°33 | 16°20 | 5°43 | 25°30 | 6°35 | 7°14 | 14°19 | 11°55 | 23°R57 | 23°25 | 1°19 | n.a. | S 12 |
| S 13 | 22 19 28 | 3° 2'47 | 2♍16 | 8°10 | 17°35 | 6°27 | 25°42 | 6°42 | 7°15 | 14°22 | 11°56 | 23°57 | 23°22 | 1°25 | n.a. | S 13 |
| M14 | 22 23 25 | 4° 3'00 | 14°21 | 9°46 | 18°50 | 7°12 | 25°53 | 6°49 | 7°16 | 14°24 | 11°58 | 23°57 | 23°18 | 1°32 | n.a. | M14 |
| T 15 | 22 27 22 | 5° 3'15 | 26°36 | 11°22 | 20° 6 | 7°57 | 26° 5 | 6°56 | 7°17 | 14°26 | 11°59 | 23°56 | 23°15 | 1°39 | n.a. | T 15 |
| W16 | 22 31 18 | 6° 3'32 | 9♎ 1 | 12°57 | 21°21 | 8°42 | 26°16 | 7° 3 | 7°17 | 14°28 | 12° 0 | 23°54 | 23°12 | 1°45 | n.a. | W16 |
| T 17 | 22 35 15 | 7° 3'51 | 21°39 | 14°32 | 22°37 | 9°27 | 26°28 | 7°10 | 7°18 | 14°31 | 12° 2 | 23°52 | 23° 9 | 1°52 | n.a. | T 17 |
| F 18 | 22 39 11 | 8° 4'12 | 4♏31 | 16° 7 | 23°52 | 10°11 | 26°39 | 7°17 | 7°19 | 14°33 | 12° 3 | 23°50 | 23° 6 | 1°59 | n.a. | F 18 |
| S 19 | 22 43 8 | 9° 4'34 | 17°38 | 17°41 | 25° 7 | 10°57 | 26°50 | 7°24 | 7°19 | 14°35 | 12° 4 | 23°49 | 23° 2 | 2° 5 | n.a. | S 19 |
| S 20 | 22 47 4 | 10° 4'58 | 1♐ 2 | 19°15 | 26°23 | 11°42 | 27° 1 | 7°31 | 7°20 | 14°37 | 12° 6 | 23°48 | 22°59 | 2°12 | n.a. | S 20 |
| M21 | 22 51 1 | 11° 5'24 | 14°44 | 20°48 | 27°38 | 12°27 | 27°13 | 7°38 | 7°21 | 14°40 | 12° 7 | 23°D47 | 22°56 | 2°19 | n.a. | M21 |
| T 22 | 22 54 57 | 12° 5'51 | 28°45 | 22°21 | 28°54 | 13°12 | 27°24 | 7°45 | 7°21 | 14°42 | 12° 8 | 23°48 | 22°53 | 2°25 | n.a. | T 22 |
| W23 | 22 58 54 | 13° 6'20 | 13♑ 4 | 23°53 | 0♍ 9 | 13°57 | 27°35 | 7°52 | 7°21 | 14°44 | 12° 9 | 23°49 | 22°50 | 2°32 | n.a. | W23 |
| T 24 | 23 2 50 | 14° 6'50 | 27°38 | 25°25 | 1°25 | 14°42 | 27°45 | 7°59 | 7°22 | 14°46 | 12°10 | 23°51 | 22°47 | 2°39 | n.a. | T 24 |
| F 25 | 23 6 47 | 15° 7'22 | 12♒24 | 26°57 | 2°40 | 15°28 | 27°56 | 8° 6 | 7°22 | 14°49 | 12°12 | 23°52 | 22°43 | 2°45 | n.a. | F 25 |
| S 26 | 23 10 44 | 16° 7'55 | 27°16 | 28°28 | 3°56 | 16°13 | 28° 7 | 8°14 | 7°22 | 14°51 | 12°13 | 23°R52 | 22°40 | 2°52 | n.a. | S 26 |
| S 27 | 23 14 40 | 17° 8'30 | 12♓ 6 | 29°59 | 5°11 | 16°58 | 28°18 | 8°21 | 7°23 | 14°53 | 12°14 | 23°51 | 22°37 | 2°59 | n.a. | S 27 |
| M28 | 23 18 37 | 18° 9'06 | 26°47 | 1♎29 | 6°27 | 17°44 | 28°28 | 8°28 | 7°23 | 14°55 | 12°15 | 23°49 | 22°34 | 3° 5 | n.a. | M28 |
| T 29 | 23 22 33 | 19° 9'45 | 11♈11 | 2°59 | 7°43 | 18°29 | 28°38 | 8°35 | 7°23 | 14°58 | 12°16 | 23°46 | 22°31 | 3°12 | n.a. | T 29 |
| W30 | 23 26 30 | 20♍10'24 | 25♈14 | 4♎29 | 8♍58 | 19♏15 | 28♋49 | 8♍42 | 7°R23 | 15♍ 0 | 12♋17 | 23♒42 | 22♒28 | 3♌19 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 14n46 | 4n25 | 3n22 | 17n10 | 1n33 | 21n12 | 1n15 | 12s 8 | 1s24 | 22n50 | 0n59 | 11n55 | 2n20 | 22n 3 | 0n 8 | 8n18 | 2n 1 | 35n12 | 11n50 | 13s49 | 13s48 | 22n35 | | | n.a. |
| W 2 | 14 27 | 10 49 | 4 15 | 16 33 | 1 28 | 20 55 | 1 16 | 12 24 | 1 24 | 22 48 | 0 59 | 11 53 | 2 20 | 22 4 | 0 8 | 8 17 | 2 1 | 35 12 | 11 51 | 13 49 | 13 49 | 22 33 | | | n.a. |
| T 3 | 14 7 | 16 31 | 4 52 | 15 55 | 1 24 | 20 38 | 1 17 | 12 41 | 1 25 | 22 46 | 0 59 | 11 50 | 2 20 | 22 4 | 0 8 | 8 16 | 2 1 | 35 12 | 11 51 | 13 49 | 13 50 | 22 30 | | | n.a. |
| F 4 | 13 47 | 21 17 | 5 13 | 15 17 | 1 19 | 20 20 | 1 18 | 12 57 | 1 25 | 22 44 | 0 59 | 11 47 | 2 20 | 22 4 | 0 8 | 8 15 | 2 0 | 35 12 | 11 51 | 13 49 | 13 51 | 22 28 | | | n.a. |
| S 5 | 13 26 | 24 55 | 5 17 | 14 37 | 1 14 | 20 2 | 1 19 | 13 13 | 1 25 | 22 42 | 0 59 | 11 45 | 2 20 | 22 4 | 0 8 | 8 14 | 2 0 | 35 12 | 11 52 | 13 49 | 13 52 | 22 26 | | | n.a. |
| S 6 | 13 6 | 27 17 | 5 7 | 13 57 | 1 9 | 19 43 | 1 20 | 13 29 | 1 26 | 22 40 | 1 0 | 11 42 | 2 20 | 22 5 | 0 8 | 8 13 | 2 0 | 35 12 | 11 52 | 13 49 | 13 53 | 22 24 | | | n.a. |
| M 7 | 12 45 | 28 19 | 4 43 | 13 17 | 1 3 | 19 23 | 1 21 | 13 45 | 1 26 | 22 38 | 1 0 | 11 39 | 2 20 | 22 5 | 0 8 | 8 13 | 2 0 | 35 12 | 11 52 | 13 49 | 13 54 | 22 21 | | | n.a. |
| T 8 | 12 24 | 28 0 | 4 7 | 12 36 | 0 57 | 19 3 | 1 22 | 14 1 | 1 26 | 22 36 | 1 0 | 11 37 | 2 20 | 22 5 | 0 8 | 8 12 | 2 0 | 35 13 | 11 53 | 13 49 | 13 55 | 22 19 | | | n.a. |
| W 9 | 12 3 | 26 24 | 3 21 | 11 55 | 0 52 | 18 42 | 1 23 | 14 17 | 1 27 | 22 34 | 1 0 | 11 34 | 2 20 | 22 5 | 0 8 | 8 11 | 2 0 | 35 13 | 11 53 | 13 49 | 13 56 | 22 17 | | | n.a. |
| T 10 | 11 41 | 23 38 | 2 26 | 11 13 | 0 46 | 18 21 | 1 24 | 14 33 | 1 27 | 22 32 | 1 0 | 11 31 | 2 20 | 22 5 | 0 8 | 8 10 | 2 0 | 35 13 | 11 53 | 13 49 | 13 57 | 22 14 | | | n.a. |
| F 11 | 11 19 | 19 53 | 1 25 | 10 31 | 0 40 | 17 59 | 1 25 | 14 49 | 1 27 | 22 30 | 1 0 | 11 29 | 2 20 | 22 6 | 0 8 | 8 9 | 2 0 | 35 13 | 11 54 | 13 48 | 13 58 | 22 12 | | | n.a. |
| S 12 | 10 58 | 15 20 | 0 20 | 9 48 | 0 33 | 17 37 | 1 25 | 15 4 | 1 28 | 22 28 | 1 1 | 11 26 | 2 20 | 22 6 | 0 8 | 8 8 | 2 0 | 35 13 | 11 54 | 13 48 | 13 59 | 22 10 | | | n.a. |
| S 13 | 10 36 | 10 10 | 0s46 | 9 6 | 0 27 | 17 14 | 1 26 | 15 20 | 1 28 | 22 26 | 1 1 | 11 23 | 2 20 | 22 6 | 0 8 | 8 7 | 2 0 | 35 14 | 11 54 | 13 48 | 14 0 | 22 7 | | | n.a. |
| M14 | 10 13 | 4 35 | 1 51 | 8 23 | 0 21 | 16 51 | 1 26 | 15 35 | 1 28 | 22 24 | 1 1 | 11 21 | 2 20 | 22 6 | 0 8 | 8 6 | 2 0 | 35 14 | 11 55 | 13 49 | 14 1 | 22 5 | | | n.a. |
| T 15 | 9 51 | 1s14 | 2 51 | 7 40 | 0 14 | 16 27 | 1 27 | 15 50 | 1 29 | 22 22 | 1 1 | 11 18 | 2 20 | 22 6 | 0 9 | 8 5 | 2 0 | 35 14 | 11 55 | 13 49 | 14 3 | 22 3 | | | n.a. |
| W16 | 9 28 | 7 4 | 3 45 | 6 57 | 0 8 | 16 3 | 1 27 | 16 5 | 1 29 | 22 20 | 1 1 | 11 15 | 2 20 | 22 7 | 0 9 | 8 5 | 2 0 | 35 14 | 11 55 | 13 50 | 14 4 | 22 0 | | | n.a. |
| T 17 | 9 6 | 12 44 | 4 28 | 6 13 | 0 1 | 15 38 | 1 27 | 16 20 | 1 29 | 22 18 | 1 1 | 11 13 | 2 20 | 22 7 | 0 9 | 8 4 | 2 0 | 35 14 | 11 56 | 13 50 | 14 5 | 21 58 | | | n.a. |
| F 18 | 8 43 | 17 57 | 4 59 | 5 30 | 0s 5 | 15 13 | 1 28 | 16 35 | 1 29 | 22 16 | 1 2 | 11 10 | 2 20 | 22 7 | 0 9 | 8 3 | 2 0 | 35 15 | 11 56 | 13 51 | 14 6 | 21 56 | | | n.a. |
| S 19 | 8 20 | 22 27 | 5 14 | 4 47 | 0 12 | 14 47 | 1 28 | 16 50 | 1 30 | 22 13 | 1 2 | 11 7 | 2 20 | 22 7 | 0 9 | 8 2 | 2 0 | 35 15 | 11 56 | 13 51 | 14 7 | 21 53 | | | n.a. |
| S 20 | 7 56 | 25 53 | 5 14 | 4 3 | 0 19 | 14 21 | 1 28 | 17 4 | 1 30 | 22 11 | 1 2 | 11 5 | 2 20 | 22 7 | 0 9 | 8 1 | 2 0 | 35 15 | 11 57 | 13 52 | 14 8 | 21 51 | | | n.a. |
| M21 | 7 33 | 27 55 | 4 55 | 3 20 | 0 25 | 13 55 | 1 28 | 17 18 | 1 30 | 22 9 | 1 2 | 11 2 | 2 20 | 22 7 | 0 9 | 8 0 | 2 0 | 35 15 | 11 57 | 13 52 | 14 9 | 21 49 | | | n.a. |
| T 22 | 7 10 | 28 15 | 4 19 | 2 37 | 0 32 | 13 28 | 1 28 | 17 33 | 1 30 | 22 7 | 1 2 | 10 59 | 2 20 | 22 7 | 0 9 | 7 59 | 2 0 | 35 16 | 11 58 | 13 51 | 14 10 | 21 46 | | | n.a. |
| W23 | 6 46 | 26 42 | 3 27 | 1 54 | 0 38 | 13 1 | 1 28 | 17 47 | 1 30 | 22 5 | 1 3 | 10 57 | 2 20 | 22 7 | 0 9 | 7 58 | 2 0 | 35 16 | 11 58 | 13 51 | 14 11 | 21 44 | | | n.a. |
| T 24 | 6 22 | 23 20 | 2 20 | 1 10 | 0 45 | 12 33 | 1 28 | 18 1 | 1 30 | 22 3 | 1 3 | 10 54 | 2 20 | 22 7 | 0 9 | 7 57 | 2 0 | 35 16 | 11 58 | 13 51 | 14 12 | 21 42 | | | n.a. |
| F 25 | 5 59 | 18 26 | 1 3 | 0 28 | 0 51 | 12 5 | 1 27 | 18 15 | 1 31 | 22 1 | 1 3 | 10 51 | 2 20 | 22 8 | 0 9 | 7 57 | 2 0 | 35 16 | 11 59 | 13 50 | 14 13 | 21 39 | | | n.a. |
| S 26 | 5 35 | 12 23 | 0n19 | 0s15 | 0 58 | 11 37 | 1 27 | 18 28 | 1 31 | 21 59 | 1 3 | 10 49 | 2 20 | 22 8 | 0 9 | 7 56 | 2 0 | 35 17 | 11 59 | 13 50 | 14 14 | 21 37 | | | n.a. |
| S 27 | 5 11 | 5 39 | 1 39 | 0 58 | 1 4 | 11 8 | 1 27 | 18 42 | 1 31 | 21 57 | 1 3 | 10 46 | 2 20 | 22 8 | 0 9 | 7 55 | 2 0 | 35 17 | 12 0 | 13 50 | 14 15 | 21 34 | | | n.a. |
| M28 | 4 47 | 1n18 | 2 51 | 1 40 | 1 10 | 10 39 | 1 26 | 18 55 | 1 31 | 21 55 | 1 4 | 10 43 | 2 20 | 22 8 | 0 9 | 7 54 | 2 0 | 35 17 | 12 0 | 13 51 | 14 16 | 21 32 | | | n.a. |
| T 29 | 4 22 | 8 3 | 3 52 | 2 22 | 1 16 | 10 10 | 1 26 | 19 8 | 1 31 | 21 53 | 1 4 | 10 41 | 2 20 | 22 8 | 0 9 | 7 53 | 2 0 | 35 18 | 12 0 | 13 52 | 14 17 | 21 30 | | | n.a. |
| W30 | 3n58 | 14n13 | 4n36 | 3s 4 | 1s22 | 9n41 | 1n25 | 19s21 | 1s31 | 21n51 | 1n 4 | 10n38 | 2n20 | 22n 8 | 0n 9 | 7n52 | 2n 0 | 35n18 | 12n 1 | 13s54 | 14s18 | 21n27 | | | n.a. |

Julian Day Number = 992992.5, Delta T = 13h00m14s
Ecliptic obliquity = 23°55'33, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'08, Lahiri = -31°27'07 Julian Calendar 1 Sept. 1995 BCE == Greg. Calendar 15 Aug. 1995 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## OCTOBER 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 30 26 | 21♍11'06 | 8♉51 | 5♎58 | 10♍14 | 20♏ 0 | 28♋59 | 8♍49 | 7°R23 | 15♍ 2 | 12♋18 | 23°R37 | 22♒24 | 3♌25 | n.a. | T 1 |
| F 2 | 23 34 23 | 22°11'50 | 22° 3 | 7°27 | 11°29 | 20°46 | 29° 9 | 8°56 | 7♊23 | 15° 4 | 12°19 | 23♒34 | 22°21 | 3°32 | n.a. | F 2 |
| S 3 | 23 38 19 | 23°12'35 | 4♊50 | 8°56 | 12°45 | 21°32 | 29°19 | 9° 2 | 7°23 | 15° 7 | 12°20 | 23°31 | 22°18 | 3°39 | n.a. | S 3 |
| S 4 | 23 42 16 | 24°13'23 | 17°16 | 10°24 | 14° 1 | 22°17 | 29°29 | 9° 9 | 7°22 | 15° 9 | 12°21 | 23°29 | 22°15 | 3°45 | n.a. | S 4 |
| M 5 | 23 46 13 | 25°14'12 | 29°25 | 11°51 | 15°16 | 23° 3 | 29°39 | 9°16 | 7°22 | 15°11 | 12°21 | 23°D29 | 22°12 | 3°52 | n.a. | M 5 |
| T 6 | 23 50 9 | 26°15'03 | 11♋21 | 13°18 | 16°32 | 23°49 | 29°49 | 9°23 | 7°22 | 15°13 | 12°22 | 23°30 | 22° 8 | 3°58 | n.a. | T 6 |
| W 7 | 23 54 6 | 27°15'55 | 23°10 | 14°44 | 17°48 | 24°35 | 29°59 | 9°30 | 7°22 | 15°15 | 12°23 | 23°32 | 22° 5 | 4° 5 | n.a. | W 7 |
| T 8 | 23 58 2 | 28°16'49 | 4♌58 | 16°10 | 19° 4 | 25°20 | 0♌ 8 | 9°37 | 7°21 | 15°18 | 12°24 | 23°34 | 22° 2 | 4°12 | n.a. | T 8 |
| F 9 | 0 1 59 | 29°17'45 | 16°47 | 17°35 | 20°19 | 26° 6 | 0°18 | 9°44 | 7°21 | 15°20 | 12°24 | 23°35 | 21°59 | 4°18 | n.a. | F 9 |
| S 10 | 0 5 55 | 0♎18'42 | 28°44 | 18°59 | 21°35 | 26°52 | 0°27 | 9°51 | 7°20 | 15°22 | 12°25 | 23°R35 | 21°56 | 4°25 | n.a. | S 10 |
| S 11 | 0 9 52 | 1°19'41 | 10♍49 | 20°22 | 22°51 | 27°38 | 0°36 | 9°57 | 7°20 | 15°24 | 12°26 | 23°33 | 21°53 | 4°32 | n.a. | S 11 |
| M12 | 0 13 48 | 2°20'41 | 23° 7 | 21°44 | 24° 6 | 28°24 | 0°45 | 10° 4 | 7°19 | 15°26 | 12°26 | 23°30 | 21°49 | 4°38 | n.a. | M12 |
| T 13 | 0 17 45 | 3°21'42 | 5♎39 | 23° 5 | 25°22 | 29°10 | 0°54 | 10°11 | 7°18 | 15°29 | 12°27 | 23°24 | 21°46 | 4°45 | n.a. | T 13 |
| W14 | 0 21 42 | 4°22'44 | 18°24 | 24°24 | 26°38 | 29°56 | 1° 3 | 10°18 | 7°18 | 15°31 | 12°28 | 23°17 | 21°43 | 4°52 | n.a. | W14 |
| T 15 | 0 25 38 | 5°23'48 | 1♏23 | 25°42 | 27°53 | 0♐42 | 1°12 | 10°24 | 7°17 | 15°33 | 12°28 | 23°10 | 21°40 | 4°58 | n.a. | T 15 |
| F 16 | 0 29 35 | 6°24'53 | 14°36 | 26°58 | 29° 9 | 1°28 | 1°21 | 10°31 | 7°16 | 15°35 | 12°29 | 23° 2 | 21°37 | 5° 5 | n.a. | F 16 |
| S 17 | 0 33 31 | 7°25'58 | 28° 0 | 28°12 | 0♎25 | 2°14 | 1°29 | 10°37 | 7°15 | 15°37 | 12°29 | 22°55 | 21°34 | 5°12 | n.a. | S 17 |
| S 18 | 0 37 28 | 8°27'05 | 11♐36 | 29°23 | 1°41 | 3° 0 | 1°38 | 10°44 | 7°14 | 15°39 | 12°30 | 22°50 | 21°30 | 5°18 | n.a. | S 18 |
| M19 | 0 41 24 | 9°28'12 | 25°21 | 0♏31 | 2°56 | 3°46 | 1°46 | 10°50 | 7°13 | 15°41 | 12°30 | 22°47 | 21°27 | 5°25 | n.a. | M19 |
| T 20 | 0 45 21 | 10°29'20 | 9♑17 | 1°36 | 4°12 | 4°32 | 1°54 | 10°57 | 7°12 | 15°44 | 12°31 | 22°D46 | 21°24 | 5°32 | n.a. | T 20 |
| W21 | 0 49 17 | 11°30'29 | 23°22 | 2°38 | 5°28 | 5°18 | 2° 2 | 11° 3 | 7°11 | 15°46 | 12°31 | 22°47 | 21°21 | 5°38 | n.a. | W21 |
| T 22 | 0 53 14 | 12°31'38 | 7♒35 | 3°35 | 6°43 | 6° 4 | 2°10 | 11°10 | 7°10 | 15°48 | 12°31 | 22°48 | 21°18 | 5°45 | n.a. | T 22 |
| F 23 | 0 57 11 | 13°32'48 | 21°55 | 4°27 | 7°59 | 6°51 | 2°18 | 11°16 | 7° 9 | 15°50 | 12°32 | 22°R48 | 21°14 | 5°52 | n.a. | F 23 |
| S 24 | 1 1 7 | 14°33'58 | 6♓19 | 5°14 | 9°15 | 7°37 | 2°26 | 11°23 | 7° 7 | 15°52 | 12°32 | 22°48 | 21°11 | 5°58 | n.a. | S 24 |
| S 25 | 1 5 4 | 15°35'09 | 20°43 | 5°54 | 10°30 | 8°23 | 2°33 | 11°29 | 7° 6 | 15°54 | 12°32 | 22°45 | 21° 8 | 6° 5 | n.a. | S 25 |
| M26 | 1 9 0 | 16°36'21 | 5♈ 3 | 6°27 | 11°46 | 9° 9 | 2°40 | 11°35 | 7° 5 | 15°56 | 12°32 | 22°39 | 21° 5 | 6°12 | n.a. | M26 |
| T 27 | 1 12 57 | 17°37'33 | 19°12 | 6°52 | 13° 2 | 9°55 | 2°48 | 11°41 | 7° 3 | 15°58 | 12°32 | 22°31 | 21° 2 | 6°18 | n.a. | T 27 |
| W28 | 1 16 53 | 18°38'46 | 3♉ 5 | 7° 9 | 14°17 | 10°41 | 2°55 | 11°47 | 7° 2 | 16° 0 | 12°33 | 22°21 | 20°59 | 6°25 | n.a. | W28 |
| T 29 | 1 20 50 | 19°40'00 | 16°38 | 7°R15 | 15°33 | 11°28 | 3° 2 | 11°53 | 7° 0 | 16° 2 | 12°33 | 22°11 | 20°55 | 6°31 | n.a. | T 29 |
| F 30 | 1 24 46 | 20°41'14 | 29°49 | 7°11 | 16°49 | 12°14 | 3° 9 | 12° 0 | 6°59 | 16° 4 | 12°33 | 22° 1 | 20°52 | 6°38 | n.a. | F 30 |
| S 31 | 1 28 43 | 21♎42'30 | 12♊38 | 6♏56 | 18♎ 4 | 13♐ 0 | 3♌15 | 12♍ 6 | 6♊57 | 16♍ 6 | 12♋33 | 21♒53 | 20♒49 | 6♌45 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 3n34 | 19n31 | 5n 3 | 3s46 | 1s28 | 9n11 | 1n25 | 19s34 | 1s31 | 21n49 | 1n 4 | 10n35 | 2n20 | 22n 8 | 0n 9 | 7n51 | 2n 0 | 35n18 | 12n 1 | 13s55 | 14s19 | 21n25 | | | n.a. |
| F 2 | 3 9 | 23 41 | 5 14 | 4 27 | 1 34 | 8 41 | 1 24 | 19 46 | 1 31 | 21 47 | 1 4 | 10 33 | 2 20 | 22 8 | 0 9 | 7 50 | 2 0 | 35 18 | 12 2 | 13 56 | 14 21 | 21 22 | | | n.a. |
| S 3 | 2 45 | 26 34 | 5 8 | 5 8 | 1 39 | 8 11 | 1 23 | 19 59 | 1 31 | 21 46 | 1 5 | 10 30 | 2 21 | 22 8 | 0 9 | 7 50 | 2 0 | 35 19 | 12 2 | 13 57 | 14 22 | 21 20 | | | n.a. |
| S 4 | 2 20 | 28 4 | 4 47 | 5 48 | 1 45 | 7 41 | 1 22 | 20 11 | 1 31 | 21 44 | 1 5 | 10 28 | 2 21 | 22 8 | 0 9 | 7 49 | 2 0 | 35 19 | 12 2 | 13 58 | 14 23 | 21 18 | | | n.a. |
| M 5 | 1 56 | 28 10 | 4 14 | 6 28 | 1 50 | 7 10 | 1 21 | 20 23 | 1 31 | 21 42 | 1 5 | 10 25 | 2 21 | 22 8 | 0 9 | 7 48 | 2 0 | 35 19 | 12 3 | 13 58 | 14 24 | 21 15 | | | n.a. |
| T 6 | 1 31 | 26 56 | 3 31 | 7 7 | 1 55 | 6 39 | 1 21 | 20 35 | 1 31 | 21 40 | 1 5 | 10 22 | 2 21 | 22 8 | 0 9 | 7 47 | 2 0 | 35 20 | 12 3 | 13 58 | 14 25 | 21 13 | | | n.a. |
| W 7 | 1 7 | 24 30 | 2 39 | 7 45 | 2 0 | 6 8 | 1 20 | 20 46 | 1 31 | 21 38 | 1 5 | 10 20 | 2 21 | 22 8 | 0 9 | 7 46 | 2 0 | 35 20 | 12 4 | 13 57 | 14 26 | 21 10 | | | n.a. |
| T 8 | 0 42 | 21 2 | 1 40 | 8 23 | 2 4 | 5 37 | 1 18 | 20 58 | 1 31 | 21 36 | 1 6 | 10 17 | 2 21 | 22 8 | 0 9 | 7 45 | 2 0 | 35 20 | 12 4 | 13 56 | 14 27 | 21 8 | | | n.a. |
| F 9 | 0 17 | 16 43 | 0 37 | 9 0 | 2 8 | 5 5 | 1 17 | 21 9 | 1 31 | 21 34 | 1 6 | 10 15 | 2 21 | 22 8 | 0 9 | 7 44 | 2 1 | 35 21 | 12 4 | 13 56 | 14 28 | 21 5 | | | n.a. |
| S 10 | 0s 8 | 11 43 | 0s28 | 9 37 | 2 12 | 4 34 | 1 16 | 21 20 | 1 31 | 21 32 | 1 6 | 10 12 | 2 21 | 22 7 | 0 9 | 7 44 | 2 1 | 35 21 | 12 5 | 13 56 | 14 29 | 21 3 | | | n.a. |
| S 11 | 0 32 | 6 14 | 1 33 | 10 12 | 2 16 | 4 2 | 1 15 | 21 31 | 1 31 | 21 31 | 1 6 | 10 10 | 2 21 | 22 7 | 0 9 | 7 43 | 2 1 | 35 22 | 12 5 | 13 56 | 14 30 | 21 1 | | | n.a. |
| M12 | 0 57 | 0 26 | 2 34 | 10 47 | 2 19 | 3 31 | 1 14 | 21 41 | 1 31 | 21 29 | 1 7 | 10 7 | 2 21 | 22 7 | 0 9 | 7 42 | 2 1 | 35 22 | 12 6 | 13 58 | 14 31 | 20 58 | | | n.a. |
| T 13 | 1 22 | 5s28 | 3 29 | 11 20 | 2 22 | 2 59 | 1 12 | 21 52 | 1 31 | 21 27 | 1 7 | 10 5 | 2 21 | 22 7 | 0 9 | 7 41 | 2 1 | 35 22 | 12 6 | 13 59 | 14 32 | 20 56 | | | n.a. |
| W14 | 1 46 | 11 15 | 4 14 | 11 52 | 2 24 | 2 27 | 1 11 | 22 2 | 1 31 | 21 25 | 1 7 | 10 2 | 2 22 | 22 7 | 0 9 | 7 40 | 2 1 | 35 23 | 12 7 | 14 2 | 14 33 | 20 53 | | | n.a. |
| T 15 | 2 11 | 16 40 | 4 47 | 12 23 | 2 26 | 1 55 | 1 10 | 22 12 | 1 31 | 21 23 | 1 7 | 10 0 | 2 22 | 22 7 | 0 9 | 7 39 | 2 1 | 35 23 | 12 7 | 14 4 | 14 34 | 20 51 | | | n.a. |
| F 16 | 2 36 | 21 23 | 5 5 | 12 52 | 2 27 | 1 23 | 1 8 | 22 21 | 1 31 | 21 22 | 1 8 | 9 57 | 2 22 | 22 7 | 0 9 | 7 39 | 2 1 | 35 23 | 12 8 | 14 7 | 14 35 | 20 48 | | | n.a. |
| S 17 | 3 0 | 25 6 | 5 7 | 13 20 | 2 28 | 0 51 | 1 7 | 22 31 | 1 31 | 21 20 | 1 8 | 9 55 | 2 22 | 22 7 | 0 9 | 7 38 | 2 1 | 35 24 | 12 8 | 14 9 | 14 36 | 20 46 | | | n.a. |
| S 18 | 3 25 | 27 27 | 4 52 | 13 46 | 2 28 | 0 19 | 1 5 | 22 40 | 1 31 | 21 18 | 1 8 | 9 52 | 2 22 | 22 7 | 0 9 | 7 37 | 2 1 | 35 24 | 12 8 | 14 11 | 14 37 | 20 43 | | | n.a. |
| M19 | 3 50 | 28 11 | 4 20 | 14 10 | 2 27 | 0s14 | 1 3 | 22 49 | 1 31 | 21 17 | 1 8 | 9 50 | 2 22 | 22 6 | 0 9 | 7 36 | 2 1 | 35 25 | 12 9 | 14 12 | 14 38 | 20 41 | | | n.a. |
| T 20 | 4 14 | 27 8 | 3 33 | 14 32 | 2 26 | 0 46 | 1 2 | 22 58 | 1 31 | 21 15 | 1 9 | 9 47 | 2 22 | 22 6 | 0 9 | 7 35 | 2 1 | 35 25 | 12 9 | 14 12 | 14 39 | 20 38 | | | n.a. |
| W21 | 4 38 | 24 21 | 2 32 | 14 52 | 2 23 | 1 18 | 1 0 | 23 6 | 1 31 | 21 13 | 1 9 | 9 45 | 2 22 | 22 6 | 0 9 | 7 34 | 2 1 | 35 25 | 12 10 | 14 12 | 14 40 | 20 36 | | | n.a. |
| T 22 | 5 3 | 20 3 | 1 21 | 15 9 | 2 20 | 1 50 | 0 58 | 23 15 | 1 31 | 21 12 | 1 9 | 9 43 | 2 22 | 22 6 | 0 9 | 7 34 | 2 1 | 35 26 | 12 10 | 14 12 | 14 41 | 20 33 | | | n.a. |
| F 23 | 5 27 | 14 34 | 0 5 | 15 23 | 2 16 | 2 22 | 0 56 | 23 23 | 1 30 | 21 10 | 1 9 | 9 40 | 2 23 | 22 6 | 0 9 | 7 33 | 2 1 | 35 26 | 12 11 | 14 11 | 14 42 | 20 31 | | | n.a. |
| S 24 | 5 51 | 8 16 | 1n12 | 15 35 | 2 11 | 2 54 | 0 54 | 23 30 | 1 30 | 21 9 | 1 10 | 9 38 | 2 23 | 22 6 | 0 9 | 7 32 | 2 1 | 35 27 | 12 11 | 14 12 | 14 44 | 20 28 | | | n.a. |
| S 25 | 6 15 | 1 33 | 2 24 | 15 42 | 2 4 | 3 26 | 0 53 | 23 38 | 1 30 | 21 7 | 1 10 | 9 36 | 2 23 | 22 5 | 0 9 | 7 31 | 2 1 | 35 27 | 12 11 | 14 13 | 14 45 | 20 26 | | | n.a. |
| M26 | 6 39 | 5n12 | 3 27 | 15 46 | 1 56 | 3 58 | 0 51 | 23 45 | 1 30 | 21 6 | 1 10 | 9 33 | 2 23 | 22 5 | 0 9 | 7 31 | 2 1 | 35 27 | 12 12 | 14 15 | 14 46 | 20 23 | | | n.a. |
| T 27 | 7 3 | 11 35 | 4 15 | 15 46 | 1 47 | 4 30 | 0 49 | 23 52 | 1 30 | 21 4 | 1 10 | 9 31 | 2 23 | 22 5 | 0 9 | 7 30 | 2 1 | 35 28 | 12 12 | 14 17 | 14 47 | 20 21 | | | n.a. |
| W28 | 7 27 | 17 17 | 4 48 | 15 42 | 1 37 | 5 2 | 0 47 | 23 59 | 1 30 | 21 3 | 1 11 | 9 29 | 2 23 | 22 5 | 0 9 | 7 29 | 2 1 | 35 28 | 12 13 | 14 20 | 14 48 | 20 18 | | | n.a. |
| T 29 | 7 51 | 21 59 | 5 3 | 15 32 | 1 25 | 5 33 | 0 45 | 24 5 | 1 29 | 21 2 | 1 11 | 9 27 | 2 23 | 22 4 | 0 9 | 7 28 | 2 1 | 35 29 | 12 13 | 14 24 | 14 49 | 20 16 | | | n.a. |
| F 30 | 8 14 | 25 26 | 5 2 | 15 18 | 1 11 | 6 5 | 0 43 | 24 11 | 1 29 | 21 0 | 1 11 | 9 24 | 2 24 | 22 4 | 0 9 | 7 28 | 2 1 | 35 29 | 12 14 | 14 27 | 14 50 | 20 13 | | | n.a. |
| S 31 | 8s38 | 27n29 | 4n45 | 14s59 | 0s56 | 6s36 | 0n41 | 24s17 | 1s29 | 20n59 | 1n12 | 9n22 | 2n24 | 22n 4 | 0n 9 | 7n27 | 2n 1 | 35n30 | 12n14 | 14s30 | 14s51 | 20n11 | | | n.a. |

Julian Day Number = 993022.5, Delta T = 13h00m12s
Ecliptic obliquity = 23°55'33, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°34'04, Lahiri = -31°27'03 Julian Calendar 1 Oct. 1995 BCE == Greg. Calendar 14 Sept. 1995 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## NOVEMBER 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 32 40 | 22♎43'46 | 25♊ 7 | 6°R30 | 19♎20 | 13♐46 | 3♌22 | 12♍11 | 6°R56 | 16♍ 8 | 12°R33 | 21°R46 | 20♒46 | 6♌51 | n.a. | S 1 |
| M 2 | 1 36 36 | 23°45'02 | 7♋17 | 5♏52 | 20°36 | 14°32 | 3°28 | 12°17 | 6♊54 | 16° 9 | 12♋33 | 21♒43 | 20°43 | 6°58 | n.a. | M 2 |
| T 3 | 1 40 33 | 24°46'20 | 19°15 | 5° 2 | 21°51 | 15°18 | 3°34 | 12°23 | 6°52 | 16°11 | 12°33 | 21°41 | 20°39 | 7° 5 | n.a. | T 3 |
| W 4 | 1 44 29 | 25°47'38 | 1♌ 5 | 4° 2 | 23° 7 | 16° 5 | 3°40 | 12°29 | 6°51 | 16°13 | 12°33 | 21°D41 | 20°36 | 7°11 | n.a. | W 4 |
| T 5 | 1 48 26 | 26°48'57 | 12°52 | 2°54 | 24°22 | 16°51 | 3°46 | 12°35 | 6°49 | 16°15 | 12°33 | 21°41 | 20°33 | 7°18 | n.a. | T 5 |
| F 6 | 1 52 22 | 27°50'16 | 24°43 | 1°38 | 25°38 | 17°37 | 3°52 | 12°40 | 6°47 | 16°17 | 12°32 | 21°R42 | 20°30 | 7°25 | n.a. | F 6 |
| S 7 | 1 56 19 | 28°51'36 | 6♍42 | 0°18 | 26°54 | 18°23 | 3°58 | 12°46 | 6°45 | 16°19 | 12°32 | 21°40 | 20°27 | 7°31 | n.a. | S 7 |
| S 8 | 2 0 16 | 29°52'56 | 18°53 | 28♎55 | 28° 9 | 19°10 | 4° 3 | 12°52 | 6°43 | 16°20 | 12°32 | 21°37 | 20°24 | 7°38 | n.a. | S 8 |
| M 9 | 2 4 12 | 0♏54'17 | 1♎21 | 27°34 | 29°25 | 19°56 | 4° 8 | 12°57 | 6°41 | 16°22 | 12°32 | 21°31 | 20°20 | 7°45 | n.a. | M 9 |
| T 10 | 2 8 9 | 1°55'38 | 14° 8 | 26°16 | 0♏40 | 20°42 | 4°13 | 13° 3 | 6°39 | 16°24 | 12°31 | 21°22 | 20°17 | 7°51 | n.a. | T 10 |
| W11 | 2 12 5 | 2°56'59 | 27°13 | 25° 4 | 1°56 | 21°28 | 4°18 | 13° 8 | 6°37 | 16°26 | 12°31 | 21°10 | 20°14 | 7°58 | n.a. | W11 |
| T 12 | 2 16 2 | 3°58'20 | 10♏36 | 23°59 | 3°12 | 22°14 | 4°23 | 13°13 | 6°35 | 16°27 | 12°31 | 20°58 | 20°11 | 8° 5 | n.a. | T 12 |
| F 13 | 2 19 58 | 4°59'42 | 24°15 | 23° 4 | 4°27 | 23° 1 | 4°28 | 13°19 | 6°33 | 16°29 | 12°30 | 20°45 | 20° 8 | 8°11 | n.a. | F 13 |
| S 14 | 2 23 55 | 6° 1'03 | 8♐ 6 | 22°19 | 5°43 | 23°47 | 4°32 | 13°24 | 6°31 | 16°30 | 12°30 | 20°34 | 20° 5 | 8°18 | n.a. | S 14 |
| S 15 | 2 27 52 | 7° 2'25 | 22° 5 | 21°44 | 6°58 | 24°33 | 4°36 | 13°29 | 6°29 | 16°32 | 12°30 | 20°25 | 20° 1 | 8°25 | n.a. | S 15 |
| M16 | 2 31 48 | 8° 3'45 | 6♑ 8 | 21°20 | 8°14 | 25°19 | 4°40 | 13°34 | 6°27 | 16°34 | 12°29 | 20°18 | 19°58 | 8°31 | n.a. | M16 |
| T 17 | 2 35 45 | 9° 5'06 | 20°13 | 21° 6 | 9°29 | 26° 5 | 4°44 | 13°39 | 6°24 | 16°35 | 12°29 | 20°15 | 19°55 | 8°38 | n.a. | T 17 |
| W18 | 2 39 41 | 10° 6'26 | 4♒19 | 21°D 1 | 10°45 | 26°51 | 4°48 | 13°44 | 6°22 | 16°37 | 12°28 | 20°14 | 19°52 | 8°44 | n.a. | W18 |
| T 19 | 2 43 38 | 11° 7'45 | 18°23 | 21° 6 | 12° 0 | 27°38 | 4°52 | 13°49 | 6°20 | 16°38 | 12°28 | 20°14 | 19°49 | 8°51 | n.a. | T 19 |
| F 20 | 2 47 34 | 12° 9'04 | 2♓26 | 21°20 | 13°16 | 28°24 | 4°55 | 13°54 | 6°18 | 16°40 | 12°27 | 20°14 | 19°45 | 8°58 | n.a. | F 20 |
| S 21 | 2 51 31 | 13°10'22 | 16°26 | 21°41 | 14°31 | 29°10 | 4°58 | 13°58 | 6°15 | 16°41 | 12°27 | 20°12 | 19°42 | 9° 4 | n.a. | S 21 |
| S 22 | 2 55 27 | 14°11'40 | 0♈23 | 22° 9 | 15°47 | 29°56 | 5° 1 | 14° 3 | 6°13 | 16°43 | 12°26 | 20° 7 | 19°39 | 9°11 | n.a. | S 22 |
| M23 | 2 59 24 | 15°12'57 | 14°15 | 22°43 | 17° 2 | 0♑42 | 5° 4 | 14° 7 | 6°11 | 16°44 | 12°25 | 19°59 | 19°36 | 9°18 | n.a. | M23 |
| T 24 | 3 3 21 | 16°14'13 | 27°58 | 23°23 | 18°17 | 1°28 | 5° 7 | 14°12 | 6° 8 | 16°45 | 12°25 | 19°49 | 19°33 | 9°24 | n.a. | T 24 |
| W25 | 3 7 17 | 17°15'29 | 11♉29 | 24° 8 | 19°33 | 2°14 | 5° 9 | 14°16 | 6° 6 | 16°47 | 12°24 | 19°36 | 19°30 | 9°31 | n.a. | W25 |
| T 26 | 3 11 14 | 18°16'45 | 24°46 | 24°57 | 20°48 | 3° 0 | 5°11 | 14°21 | 6° 3 | 16°48 | 12°23 | 19°22 | 19°26 | 9°38 | n.a. | T 26 |
| F 27 | 3 15 10 | 19°17'59 | 7♊46 | 25°51 | 22° 4 | 3°46 | 5°13 | 14°25 | 6° 1 | 16°49 | 12°22 | 19° 9 | 19°23 | 9°44 | n.a. | F 27 |
| S 28 | 3 19 7 | 20°19'14 | 20°28 | 26°48 | 23°19 | 4°32 | 5°15 | 14°29 | 5°58 | 16°51 | 12°22 | 18°57 | 19°20 | 9°51 | n.a. | S 28 |
| S 29 | 3 23 3 | 21°20'28 | 2♋53 | 27°49 | 24°34 | 5°18 | 5°17 | 14°33 | 5°56 | 16°52 | 12°21 | 18°47 | 19°17 | 9°58 | n.a. | S 29 |
| M30 | 3 27 0 | 22♏21'42 | 15♋ 2 | 28♎53 | 25♏50 | 6♑ 4 | 5♌19 | 14♍37 | 5♊53 | 16♍53 | 12♋20 | 18♒41 | 19♒14 | 10♌ 4 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s 1 | 28n 5 | 4n15 | 14s34 | 0s39 | 7s 7 | 0n38 | 24s23 | 1s29 | 20n58 | 1n12 | 9n20 | 2n24 | 22n 4 | 0n 9 | 7n26 | 2n 1 | 35n30 | 12n15 | 14s32 | 14s52 | 20n 8 | | n.a. |
| M 2 | 9 24 | 27 17 | 3 34 | 14 4 | 0 21 | 7 39 | 0 36 | 24 28 | 1 28 | 20 56 | 1 12 | 9 18 | 2 24 | 22 3 | 0 9 | 7 25 | 2 1 | 35 30 | 12 15 | 14 33 | 14 53 | 20 5 | | n.a. |
| T 3 | 9 47 | 25 13 | 2 44 | 13 30 | 0 2 | 8 9 | 0 34 | 24 34 | 1 28 | 20 55 | 1 12 | 9 16 | 2 24 | 22 3 | 0 9 | 7 25 | 2 1 | 35 31 | 12 15 | 14 34 | 14 54 | 20 3 | | n.a. |
| W 4 | 10 10 | 22 5 | 1 48 | 12 50 | 0n18 | 8 40 | 0 32 | 24 38 | 1 28 | 20 54 | 1 13 | 9 14 | 2 24 | 22 3 | 0 9 | 7 24 | 2 1 | 35 31 | 12 16 | 14 34 | 14 55 | 20 0 | | n.a. |
| T 5 | 10 32 | 18 2 | 0 47 | 12 7 | 0 39 | 9 11 | 0 30 | 24 43 | 1 28 | 20 53 | 1 13 | 9 12 | 2 25 | 22 3 | 0 9 | 7 23 | 2 1 | 35 32 | 12 16 | 14 34 | 14 56 | 19 58 | | n.a. |
| F 6 | 10 55 | 13 18 | 0s16 | 11 22 | 0 59 | 9 41 | 0 27 | 24 47 | 1 27 | 20 52 | 1 13 | 9 9 | 2 25 | 22 2 | 0 9 | 7 23 | 2 1 | 35 32 | 12 17 | 14 34 | 14 57 | 19 55 | | n.a. |
| S 7 | 11 17 | 8 1 | 1 19 | 10 35 | 1 19 | 10 11 | 0 25 | 24 51 | 1 27 | 20 51 | 1 14 | 9 7 | 2 25 | 22 2 | 0 9 | 7 22 | 2 2 | 35 33 | 12 17 | 14 34 | 14 58 | 19 53 | | n.a. |
| S 8 | 11 39 | 2 21 | 2 19 | 9 47 | 1 38 | 10 41 | 0 23 | 24 55 | 1 27 | 20 50 | 1 14 | 9 5 | 2 25 | 22 2 | 0 9 | 7 21 | 2 2 | 35 33 | 12 18 | 14 35 | 14 59 | 19 50 | | n.a. |
| M 9 | 12 1 | 3s31 | 3 14 | 9 2 | 1 55 | 11 10 | 0 21 | 24 58 | 1 27 | 20 49 | 1 14 | 9 3 | 2 25 | 22 1 | 0 9 | 7 21 | 2 2 | 35 34 | 12 18 | 14 37 | 15 0 | 19 47 | | n.a. |
| T 10 | 12 23 | 9 22 | 4 1 | 8 18 | 2 11 | 11 39 | 0 18 | 25 2 | 1 26 | 20 48 | 1 14 | 9 1 | 2 26 | 22 1 | 0 10 | 7 20 | 2 2 | 35 34 | 12 19 | 14 40 | 15 1 | 19 45 | | n.a. |
| W11 | 12 45 | 14 57 | 4 36 | 7 39 | 2 25 | 12 8 | 0 16 | 25 5 | 1 26 | 20 47 | 1 15 | 8 59 | 2 26 | 22 1 | 0 10 | 7 19 | 2 2 | 35 34 | 12 19 | 14 44 | 15 2 | 19 42 | | n.a. |
| T 12 | 13 6 | 19 59 | 4 56 | 7 5 | 2 36 | 12 37 | 0 14 | 25 7 | 1 26 | 20 46 | 1 15 | 8 58 | 2 26 | 22 0 | 0 10 | 7 19 | 2 2 | 35 35 | 12 19 | 14 48 | 15 3 | 19 40 | | n.a. |
| F 13 | 13 27 | 24 4 | 5 1 | 6 35 | 2 45 | 13 5 | 0 11 | 25 10 | 1 25 | 20 45 | 1 15 | 8 56 | 2 26 | 22 0 | 0 10 | 7 18 | 2 2 | 35 35 | 12 20 | 14 52 | 15 4 | 19 37 | | n.a. |
| S 14 | 13 48 | 26 50 | 4 47 | 6 12 | 2 52 | 13 33 | 0 9 | 25 12 | 1 25 | 20 44 | 1 16 | 8 54 | 2 26 | 22 0 | 0 10 | 7 18 | 2 2 | 35 36 | 12 20 | 14 56 | 15 5 | 19 34 | | n.a. |
| S 15 | 14 8 | 27 57 | 4 17 | 5 54 | 2 57 | 14 1 | 0 7 | 25 13 | 1 25 | 20 44 | 1 16 | 8 52 | 2 26 | 21 59 | 0 10 | 7 17 | 2 2 | 35 36 | 12 21 | 14 59 | 15 6 | 19 32 | | n.a. |
| M16 | 14 29 | 27 17 | 3 31 | 5 42 | 3 0 | 14 28 | 0 4 | 25 15 | 1 24 | 20 43 | 1 16 | 8 50 | 2 27 | 21 59 | 0 10 | 7 16 | 2 2 | 35 37 | 12 21 | 15 1 | 15 7 | 19 29 | | n.a. |
| T 17 | 14 49 | 24 52 | 2 32 | 5 36 | 3 1 | 14 55 | 0 2 | 25 16 | 1 24 | 20 42 | 1 17 | 8 48 | 2 27 | 21 59 | 0 10 | 7 16 | 2 2 | 35 37 | 12 21 | 15 2 | 15 8 | 19 27 | | n.a. |
| W18 | 15 9 | 20 55 | 1 23 | 5 34 | 3 1 | 15 21 | 0s 0 | 25 17 | 1 24 | 20 42 | 1 17 | 8 47 | 2 27 | 21 58 | 0 10 | 7 15 | 2 2 | 35 38 | 12 22 | 15 2 | 15 9 | 19 24 | | n.a. |
| T 19 | 15 28 | 15 47 | 0 10 | 5 38 | 3 0 | 15 47 | 0 3 | 25 18 | 1 23 | 20 41 | 1 17 | 8 45 | 2 27 | 21 58 | 0 10 | 7 15 | 2 2 | 35 38 | 12 22 | 15 2 | 15 10 | 19 21 | | n.a. |
| F 20 | 15 48 | 9 50 | 1n 4 | 5 45 | 2 57 | 16 13 | 0 5 | 25 18 | 1 23 | 20 40 | 1 17 | 8 43 | 2 28 | 21 57 | 0 10 | 7 14 | 2 2 | 35 39 | 12 23 | 15 2 | 15 11 | 19 19 | | n.a. |
| S 21 | 16 7 | 3 25 | 2 14 | 5 57 | 2 53 | 16 38 | 0 7 | 25 18 | 1 23 | 20 40 | 1 18 | 8 42 | 2 28 | 21 57 | 0 10 | 7 14 | 2 2 | 35 39 | 12 23 | 15 3 | 15 12 | 19 16 | | n.a. |
| S 22 | 16 25 | 3n 8 | 3 15 | 6 12 | 2 48 | 17 3 | 0 10 | 25 18 | 1 22 | 20 40 | 1 18 | 8 40 | 2 28 | 21 57 | 0 10 | 7 13 | 2 2 | 35 40 | 12 24 | 15 4 | 15 13 | 19 13 | | n.a. |
| M23 | 16 44 | 9 28 | 4 4 | 6 30 | 2 43 | 17 27 | 0 12 | 25 17 | 1 22 | 20 39 | 1 18 | 8 38 | 2 28 | 21 56 | 0 10 | 7 13 | 2 2 | 35 40 | 12 24 | 15 7 | 15 14 | 19 11 | | n.a. |
| T 24 | 17 2 | 15 17 | 4 39 | 6 50 | 2 37 | 17 51 | 0 14 | 25 17 | 1 22 | 20 39 | 1 19 | 8 37 | 2 28 | 21 56 | 0 10 | 7 12 | 2 2 | 35 41 | 12 24 | 15 10 | 15 15 | 19 8 | | n.a. |
| W25 | 17 20 | 20 16 | 4 57 | 7 13 | 2 31 | 18 15 | 0 17 | 25 16 | 1 21 | 20 38 | 1 19 | 8 35 | 2 29 | 21 55 | 0 10 | 7 12 | 2 3 | 35 41 | 12 25 | 15 14 | 15 16 | 19 5 | | n.a. |
| T 26 | 17 37 | 24 10 | 4 59 | 7 38 | 2 24 | 18 37 | 0 19 | 25 14 | 1 21 | 20 38 | 1 19 | 8 34 | 2 29 | 21 55 | 0 10 | 7 11 | 2 3 | 35 41 | 12 25 | 15 19 | 15 17 | 19 3 | | n.a. |
| F 27 | 17 54 | 26 43 | 4 44 | 8 4 | 2 17 | 19 0 | 0 21 | 25 13 | 1 20 | 20 38 | 1 20 | 8 32 | 2 29 | 21 55 | 0 10 | 7 11 | 2 3 | 35 42 | 12 25 | 15 23 | 15 18 | 19 0 | | n.a. |
| S 28 | 18 11 | 27 50 | 4 16 | 8 32 | 2 9 | 19 22 | 0 24 | 25 11 | 1 20 | 20 38 | 1 20 | 8 31 | 2 29 | 21 54 | 0 10 | 7 10 | 2 3 | 35 42 | 12 26 | 15 27 | 15 19 | 18 58 | | n.a. |
| S 29 | 18 28 | 27 30 | 3 37 | 9 1 | 2 1 | 19 43 | 0 26 | 25 8 | 1 20 | 20 38 | 1 20 | 8 29 | 2 30 | 21 54 | 0 10 | 7 10 | 2 3 | 35 43 | 12 26 | 15 30 | 15 20 | 18 55 | | n.a. |
| M30 | 18s44 | 25n50 | 2n48 | 9s32 | 1n54 | 20s 4 | 0s28 | 25s 6 | 1s19 | 20n38 | 1n21 | 8n28 | 2n30 | 21n53 | 0n10 | 7n10 | 2n 3 | 35n43 | 12n27 | 15s32 | 15s21 | 18n52 | | n.a. |

Julian Day Number = 993053.5, Delta T = 13h00m10s
Ecliptic obliquity = 23°55'33, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'59, Lahiri = -31°26'59 Julian Calendar 1 Nov. 1995 BCE == Greg. Calendar 15 Oct. 1995 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1995 BCE
# geocentric

## DECEMBER 1995 BCE (-1994) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 30 57 | 23♏22'55 | 27♋ 0 | 29♎59 | 27♏ 5 | 6♑50 | 5♌20 | 14♍41 | 5°R51 | 16♍54 | 12°R19 | 18°R37 | 19♒11 | 10♌11 | n.a. | T 1 |
| W 2 | 3 34 53 | 24°24'07 | 8♌50 | 1♏ 7 | 28°20 | 7°36 | 5°21 | 14°45 | 5♊48 | 16°55 | 12♋18 | 18♒36 | 19° 7 | 10°18 | n.a. | W 2 |
| T 3 | 3 38 50 | 25°25'19 | 20°37 | 2°18 | 29°35 | 8°22 | 5°22 | 14°49 | 5°46 | 16°56 | 12°17 | 18°35 | 19° 4 | 10°24 | n.a. | T 3 |
| F 4 | 3 42 46 | 26°26'30 | 2♍27 | 3°30 | 0♐51 | 9° 7 | 5°23 | 14°53 | 5°43 | 16°57 | 12°16 | 18°35 | 19° 1 | 10°31 | n.a. | F 4 |
| S 5 | 3 46 43 | 27°27'41 | 14°26 | 4°44 | 2° 6 | 9°53 | 5°23 | 14°56 | 5°41 | 16°58 | 12°15 | 18°34 | 18°58 | 10°37 | n.a. | S 5 |
| S 6 | 3 50 39 | 28°28'51 | 26°39 | 6° 0 | 3°21 | 10°39 | 5°24 | 15° 0 | 5°38 | 16°59 | 12°14 | 18°31 | 18°55 | 10°44 | n.a. | S 6 |
| M 7 | 3 54 36 | 29°30'01 | 9♎10 | 7°18 | 4°37 | 11°25 | 5°R24 | 15° 3 | 5°35 | 17° 0 | 12°13 | 18°26 | 18°51 | 10°51 | n.a. | M 7 |
| T 8 | 3 58 33 | 0♐31'09 | 22° 4 | 8°36 | 5°52 | 12°10 | 5°24 | 15° 6 | 5°33 | 17° 1 | 12°12 | 18°17 | 18°48 | 10°57 | n.a. | T 8 |
| W 9 | 4 2 29 | 1°32'17 | 5♏21 | 9°56 | 7° 7 | 12°56 | 5°24 | 15°10 | 5°30 | 17° 2 | 12°11 | 18° 6 | 18°45 | 11° 4 | n.a. | W 9 |
| T 10 | 4 6 26 | 2°33'24 | 19° 2 | 11°17 | 8°22 | 13°42 | 5°23 | 15°13 | 5°28 | 17° 3 | 12°10 | 17°54 | 18°42 | 11°11 | n.a. | T 10 |
| F 11 | 4 10 22 | 3°34'31 | 3♐ 4 | 12°39 | 9°37 | 14°28 | 5°23 | 15°16 | 5°25 | 17° 4 | 12° 9 | 17°42 | 18°39 | 11°17 | n.a. | F 11 |
| S 12 | 4 14 19 | 4°35'36 | 17°21 | 14° 3 | 10°53 | 15°13 | 5°22 | 15°19 | 5°22 | 17° 5 | 12° 8 | 17°31 | 18°36 | 11°24 | n.a. | S 12 |
| S 13 | 4 18 15 | 5°36'40 | 1♑48 | 15°27 | 12° 8 | 15°59 | 5°21 | 15°22 | 5°20 | 17° 6 | 12° 7 | 17°21 | 18°32 | 11°31 | n.a. | S 13 |
| M14 | 4 22 12 | 6°37'42 | 16°18 | 16°52 | 13°23 | 16°44 | 5°20 | 15°25 | 5°17 | 17° 6 | 12° 6 | 17°15 | 18°29 | 11°37 | n.a. | M14 |
| T 15 | 4 26 8 | 7°38'43 | 0♒46 | 18°18 | 14°38 | 17°30 | 5°18 | 15°27 | 5°14 | 17° 7 | 12° 4 | 17°12 | 18°26 | 11°44 | n.a. | T 15 |
| W16 | 4 30 5 | 8°39'43 | 15° 7 | 19°45 | 15°53 | 18°15 | 5°17 | 15°30 | 5°12 | 17° 8 | 12° 3 | 17°D11 | 18°23 | 11°51 | n.a. | W16 |
| T 17 | 4 34 2 | 9°40'41 | 29°18 | 21°12 | 17° 8 | 19° 1 | 5°15 | 15°32 | 5° 9 | 17° 9 | 12° 2 | 17°11 | 18°20 | 11°57 | n.a. | T 17 |
| F 18 | 4 37 58 | 10°41'37 | 13♓19 | 22°41 | 18°23 | 19°46 | 5°13 | 15°35 | 5° 7 | 17° 9 | 12° 1 | 17°R11 | 18°17 | 12° 4 | n.a. | F 18 |
| S 19 | 4 41 55 | 11°42'31 | 27° 9 | 24°10 | 19°38 | 20°32 | 5°11 | 15°37 | 5° 4 | 17°10 | 11°59 | 17°10 | 18°13 | 12°11 | n.a. | S 19 |
| S 20 | 4 45 51 | 12°43'24 | 10♈48 | 25°40 | 20°53 | 21°17 | 5° 9 | 15°39 | 5° 1 | 17°10 | 11°58 | 17° 7 | 18°10 | 12°17 | n.a. | S 20 |
| M21 | 4 49 48 | 13°44'15 | 24°16 | 27°11 | 22° 8 | 22° 3 | 5° 6 | 15°41 | 4°59 | 17°11 | 11°57 | 17° 1 | 18° 7 | 12°24 | n.a. | M21 |
| T 22 | 4 53 44 | 14°45'05 | 7♉34 | 28°43 | 23°23 | 22°48 | 5° 4 | 15°43 | 4°56 | 17°11 | 11°55 | 16°53 | 18° 4 | 12°30 | n.a. | T 22 |
| W23 | 4 57 41 | 15°45'53 | 20°41 | 0♐15 | 24°38 | 23°33 | 5° 1 | 15°45 | 4°54 | 17°12 | 11°54 | 16°42 | 18° 1 | 12°37 | n.a. | W23 |
| T 24 | 5 1 38 | 16°46'39 | 3♊35 | 1°48 | 25°53 | 24°18 | 4°58 | 15°47 | 4°51 | 17°12 | 11°53 | 16°31 | 17°57 | 12°44 | n.a. | T 24 |
| F 25 | 5 5 34 | 17°47'24 | 16°16 | 3°22 | 27° 8 | 25° 4 | 4°54 | 15°49 | 4°49 | 17°13 | 11°51 | 16°20 | 17°54 | 12°50 | n.a. | F 25 |
| S 26 | 5 9 31 | 18°48'07 | 28°44 | 4°57 | 28°23 | 25°49 | 4°51 | 15°51 | 4°46 | 17°13 | 11°50 | 16°10 | 17°51 | 12°57 | n.a. | S 26 |
| S 27 | 5 13 27 | 19°48'49 | 10♋59 | 6°32 | 29°38 | 26°34 | 4°47 | 15°52 | 4°44 | 17°13 | 11°49 | 16° 2 | 17°48 | 13° 4 | n.a. | S 27 |
| M28 | 5 17 24 | 20°49'29 | 23° 3 | 8° 8 | 0♑53 | 27°19 | 4°44 | 15°54 | 4°41 | 17°13 | 11°47 | 15°57 | 17°45 | 13°10 | n.a. | M28 |
| T 29 | 5 21 20 | 21°50'07 | 4♌58 | 9°46 | 2° 8 | 28° 4 | 4°40 | 15°55 | 4°39 | 17°14 | 11°46 | 15°54 | 17°42 | 13°17 | n.a. | T 29 |
| W30 | 5 25 17 | 22°50'44 | 16°47 | 11°24 | 3°23 | 28°49 | 4°36 | 15°56 | 4°36 | 17°14 | 11°44 | 15°D53 | 17°38 | 13°24 | n.a. | W30 |
| T 31 | 5 29 13 | 23♐51'20 | 28♌33 | 13♐ 2 | 4♑38 | 29♑34 | 4♌31 | 15♍57 | 4♊34 | 17♍14 | 11♋43 | 15♒54 | 17♒35 | 13♌30 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 19s 0 | 23n 1 | 1n52 | 10s 3 | 1n46 | 20s24 | 0s30 | 25s 3 | 1s19 | 20n38 | 1n21 | 8n27 | 2n30 | 21n53 | 0n10 | 7n 9 | 2n 3 | 35n44 | 12n27 | 15s33 | 15s22 | 18n49 | | | n.a. |
| W 2 | 19 15 | 19 15 | 0 52 | 10 35 | 1 37 | 20 43 | 0 33 | 25 0 | 1 18 | 20 38 | 1 21 | 8 25 | 2 30 | 21 52 | 0 10 | 7 9 | 2 3 | 35 44 | 12 27 | 15 34 | 15 23 | 18 47 | | | n.a. |
| T 3 | 19 30 | 14 45 | 0s11 | 11 7 | 1 29 | 21 2 | 0 35 | 24 57 | 1 18 | 20 38 | 1 22 | 8 24 | 2 31 | 21 52 | 0 10 | 7 8 | 2 3 | 35 45 | 12 28 | 15 34 | 15 24 | 18 44 | | | n.a. |
| F 4 | 19 45 | 9 41 | 1 13 | 11 40 | 1 21 | 21 21 | 0 37 | 24 53 | 1 17 | 20 38 | 1 22 | 8 23 | 2 31 | 21 51 | 0 10 | 7 8 | 2 3 | 35 45 | 12 28 | 15 34 | 15 25 | 18 41 | | | n.a. |
| S 5 | 19 59 | 4 13 | 2 12 | 12 13 | 1 13 | 21 38 | 0 39 | 24 50 | 1 17 | 20 38 | 1 22 | 8 22 | 2 31 | 21 51 | 0 10 | 7 8 | 2 3 | 35 46 | 12 28 | 15 34 | 15 27 | 18 39 | | | n.a. |
| S 6 | 20 14 | 1s29 | 3 7 | 12 47 | 1 5 | 21 56 | 0 41 | 24 45 | 1 16 | 20 38 | 1 23 | 8 21 | 2 31 | 21 51 | 0 10 | 7 7 | 2 3 | 35 46 | 12 29 | 15 35 | 15 28 | 18 36 | | | n.a. |
| M 7 | 20 27 | 7 17 | 3 54 | 13 20 | 0 56 | 22 12 | 0 43 | 24 41 | 1 16 | 20 39 | 1 23 | 8 20 | 2 32 | 21 50 | 0 10 | 7 7 | 2 3 | 35 46 | 12 29 | 15 37 | 15 29 | 18 33 | | | n.a. |
| T 8 | 20 40 | 12 56 | 4 31 | 13 54 | 0 48 | 22 28 | 0 45 | 24 36 | 1 16 | 20 39 | 1 23 | 8 18 | 2 32 | 21 50 | 0 10 | 7 7 | 2 3 | 35 47 | 12 29 | 15 39 | 15 30 | 18 31 | | | n.a. |
| W 9 | 20 53 | 18 10 | 4 54 | 14 27 | 0 40 | 22 43 | 0 47 | 24 32 | 1 15 | 20 39 | 1 24 | 8 17 | 2 32 | 21 49 | 0 10 | 7 6 | 2 3 | 35 47 | 12 30 | 15 43 | 15 31 | 18 28 | | | n.a. |
| T 10 | 21 6 | 22 39 | 5 1 | 15 1 | 0 32 | 22 58 | 0 49 | 24 26 | 1 15 | 20 40 | 1 24 | 8 16 | 2 32 | 21 49 | 0 10 | 7 6 | 2 4 | 35 48 | 12 30 | 15 47 | 15 32 | 18 25 | | | n.a. |
| F 11 | 21 18 | 25 56 | 4 51 | 15 34 | 0 24 | 23 11 | 0 51 | 24 21 | 1 14 | 20 40 | 1 24 | 8 15 | 2 33 | 21 48 | 0 10 | 7 6 | 2 4 | 35 48 | 12 30 | 15 50 | 15 33 | 18 23 | | | n.a. |
| S 12 | 21 29 | 27 39 | 4 22 | 16 7 | 0 16 | 23 24 | 0 53 | 24 15 | 1 14 | 20 41 | 1 25 | 8 14 | 2 33 | 21 48 | 0 10 | 7 6 | 2 4 | 35 49 | 12 31 | 15 54 | 15 34 | 18 20 | | | n.a. |
| S 13 | 21 41 | 27 31 | 3 36 | 16 40 | 0 9 | 23 37 | 0 55 | 24 9 | 1 13 | 20 41 | 1 25 | 8 14 | 2 33 | 21 47 | 0 10 | 7 5 | 2 4 | 35 49 | 12 31 | 15 57 | 15 35 | 18 17 | | | n.a. |
| M14 | 21 51 | 25 29 | 2 36 | 17 12 | 0 1 | 23 49 | 0 57 | 24 3 | 1 13 | 20 42 | 1 25 | 8 13 | 2 33 | 21 47 | 0 10 | 7 5 | 2 4 | 35 49 | 12 31 | 15 59 | 15 36 | 18 14 | | | n.a. |
| T 15 | 22 2 | 21 48 | 1 26 | 17 44 | 0s 6 | 24 0 | 0 59 | 23 57 | 1 12 | 20 42 | 1 26 | 8 12 | 2 34 | 21 46 | 0 10 | 7 5 | 2 4 | 35 50 | 12 32 | 16 0 | 15 37 | 18 12 | | | n.a. |
| W16 | 22 12 | 16 48 | 0 11 | 18 15 | 0 14 | 24 10 | 1 0 | 23 50 | 1 12 | 20 43 | 1 26 | 8 11 | 2 34 | 21 46 | 0 10 | 7 5 | 2 4 | 35 50 | 12 32 | 16 0 | 15 38 | 18 9 | | | n.a. |
| T 17 | 22 21 | 10 57 | 1n 4 | 18 46 | 0 21 | 24 19 | 1 2 | 23 43 | 1 11 | 20 44 | 1 26 | 8 10 | 2 34 | 21 45 | 0 10 | 7 4 | 2 4 | 35 51 | 12 32 | 16 0 | 15 39 | 18 6 | | | n.a. |
| F 18 | 22 30 | 4 38 | 2 14 | 19 16 | 0 28 | 24 28 | 1 4 | 23 36 | 1 11 | 20 45 | 1 26 | 8 10 | 2 34 | 21 45 | 0 10 | 7 4 | 2 4 | 35 51 | 12 33 | 16 0 | 15 40 | 18 3 | | | n.a. |
| S 19 | 22 39 | 1n50 | 3 16 | 19 45 | 0 35 | 24 36 | 1 5 | 23 28 | 1 10 | 20 46 | 1 27 | 8 9 | 2 35 | 21 44 | 0 10 | 7 4 | 2 4 | 35 52 | 12 33 | 16 0 | 15 41 | 18 1 | | | n.a. |
| S 20 | 22 47 | 8 6 | 4 5 | 20 14 | 0 41 | 24 43 | 1 7 | 23 21 | 1 10 | 20 46 | 1 27 | 8 8 | 2 35 | 21 44 | 0 10 | 7 4 | 2 4 | 35 52 | 12 33 | 16 1 | 15 42 | 17 58 | | | n.a. |
| M21 | 22 55 | 13 55 | 4 40 | 20 42 | 0 48 | 24 50 | 1 9 | 23 13 | 1 9 | 20 47 | 1 27 | 8 8 | 2 35 | 21 44 | 0 10 | 7 4 | 2 4 | 35 52 | 12 33 | 16 3 | 15 43 | 17 55 | | | n.a. |
| T 22 | 23 2 | 19 1 | 5 0 | 21 9 | 0 54 | 24 55 | 1 10 | 23 5 | 1 9 | 20 48 | 1 28 | 8 7 | 2 36 | 21 43 | 0 10 | 7 4 | 2 4 | 35 53 | 12 34 | 16 6 | 15 44 | 17 52 | | | n.a. |
| W23 | 23 9 | 23 8 | 5 3 | 21 35 | 1 0 | 25 0 | 1 12 | 22 56 | 1 8 | 20 49 | 1 28 | 8 7 | 2 36 | 21 43 | 0 10 | 7 4 | 2 4 | 35 53 | 12 34 | 16 9 | 15 45 | 17 50 | | | n.a. |
| T 24 | 23 15 | 26 3 | 4 50 | 22 1 | 1 6 | 25 4 | 1 13 | 22 48 | 1 7 | 20 50 | 1 28 | 8 6 | 2 36 | 21 42 | 0 10 | 7 4 | 2 5 | 35 53 | 12 34 | 16 12 | 15 46 | 17 47 | | | n.a. |
| F 25 | 23 21 | 27 34 | 4 24 | 22 25 | 1 11 | 25 8 | 1 14 | 22 39 | 1 7 | 20 51 | 1 29 | 8 6 | 2 36 | 21 42 | 0 10 | 7 3 | 2 5 | 35 54 | 12 34 | 16 16 | 15 47 | 17 44 | | | n.a. |
| S 26 | 23 26 | 27 40 | 3 45 | 22 48 | 1 16 | 25 10 | 1 16 | 22 30 | 1 6 | 20 53 | 1 29 | 8 5 | 2 37 | 21 41 | 0 10 | 7 3 | 2 5 | 35 54 | 12 35 | 16 19 | 15 48 | 17 41 | | | n.a. |
| S 27 | 23 31 | 26 23 | 2 56 | 23 11 | 1 21 | 25 12 | 1 17 | 22 21 | 1 6 | 20 54 | 1 29 | 8 5 | 2 37 | 21 41 | 0 10 | 7 3 | 2 5 | 35 55 | 12 35 | 16 21 | 15 48 | 17 39 | | | n.a. |
| M28 | 23 36 | 23 52 | 1 59 | 23 32 | 1 26 | 25 13 | 1 18 | 22 11 | 1 5 | 20 55 | 1 30 | 8 5 | 2 37 | 21 40 | 0 10 | 7 3 | 2 5 | 35 55 | 12 35 | 16 23 | 15 49 | 17 36 | | | n.a. |
| T 29 | 23 40 | 20 21 | 0 58 | 23 52 | 1 31 | 25 13 | 1 19 | 22 1 | 1 5 | 20 56 | 1 30 | 8 4 | 2 37 | 21 40 | 0 10 | 7 3 | 2 5 | 35 55 | 12 35 | 16 24 | 15 50 | 17 33 | | | n.a. |
| W30 | 23 44 | 16 3 | 0s 5 | 24 10 | 1 35 | 25 13 | 1 20 | 21 52 | 1 4 | 20 58 | 1 30 | 8 4 | 2 38 | 21 39 | 0 10 | 7 3 | 2 5 | 35 56 | 12 35 | 16 24 | 15 51 | 17 30 | | | n.a. |
| T 31 | 23s47 | 11n 9 | 1s 8 | 24s28 | 1s39 | 25s12 | 1s21 | 21s41 | 1s 4 | 20n59 | 1n30 | 8n 4 | 2n38 | 21n39 | 0n10 | 7n 3 | 2n 5 | 35n56 | 12n36 | 16s24 | 15s52 | 17n27 | | | n.a. |

Julian Day Number = 993083.5, Delta T = 13h00m08s
Ecliptic obliquity = 23°55'32, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'55, Lahiri = -31°26'55 Julian Calendar 1 Dec. 1995 BCE == Greg. Calendar 14 Nov. 1995 BCE

The year -1994 astronomical counting style corresponds to year 1995 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## JANUARY 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 33 10 | 24♐51'54 | 10♍23 | 14♐42 | 5♑53 | 0♒19 | 4°R27 | 15♍58 | 4°R31 | 17♍14 | 11°R42 | 15♒55 | 17♒32 | 13♌37 | n.a. | F 1 |
| S 2 | 5 37 7 | 25°52'26 | 22°21 | 16°23 | 7° 7 | 1° 4 | 4♌22 | 15°59 | 4♊29 | 17°14 | 11♋40 | 15°R56 | 17°29 | 13°44 | n.a. | S 2 |
| S 3 | 5 41 3 | 26°52'57 | 4♎32 | 18° 4 | 8°22 | 1°49 | 4°18 | 16° 0 | 4°26 | 17°14 | 11°39 | 15°56 | 17°26 | 13°50 | n.a. | S 3 |
| M 4 | 5 45 0 | 27°53'27 | 17° 1 | 19°46 | 9°37 | 2°33 | 4°13 | 16° 1 | 4°24 | 17°14 | 11°37 | 15°54 | 17°23 | 13°57 | n.a. | M 4 |
| T 5 | 5 48 56 | 28°53'55 | 29°54 | 21°30 | 10°52 | 3°18 | 4° 8 | 16° 1 | 4°22 | 17°R14 | 11°36 | 15°50 | 17°19 | 14° 4 | n.a. | T 5 |
| W 6 | 5 52 53 | 29°54'21 | 13♏12 | 23°14 | 12° 6 | 4° 3 | 4° 2 | 16° 2 | 4°19 | 17°14 | 11°34 | 15°44 | 17°16 | 14°10 | n.a. | W 6 |
| T 7 | 5 56 49 | 0♑54'46 | 26°58 | 24°59 | 13°21 | 4°48 | 3°57 | 16° 2 | 4°17 | 17°14 | 11°33 | 15°37 | 17°13 | 14°17 | n.a. | T 7 |
| F 8 | 6 0 46 | 1°55'09 | 11♐10 | 26°45 | 14°36 | 5°32 | 3°51 | 16° 3 | 4°15 | 17°14 | 11°31 | 15°29 | 17°10 | 14°23 | n.a. | F 8 |
| S 9 | 6 4 42 | 2°55'30 | 25°43 | 28°32 | 15°51 | 6°17 | 3°46 | 16° 3 | 4°13 | 17°14 | 11°30 | 15°22 | 17° 7 | 14°30 | n.a. | S 9 |
| S 10 | 6 8 39 | 3°55'50 | 10♑31 | 0♑20 | 17° 5 | 7° 1 | 3°40 | 16° 3 | 4°11 | 17°14 | 11°28 | 15°17 | 17° 3 | 14°37 | n.a. | S 10 |
| M11 | 6 12 36 | 4°56'07 | 25°25 | 2° 9 | 18°20 | 7°46 | 3°34 | 16°R 3 | 4° 8 | 17°14 | 11°27 | 15°13 | 17° 0 | 14°43 | n.a. | M11 |
| T 12 | 6 16 32 | 5°56'22 | 10♒19 | 3°59 | 19°34 | 8°31 | 3°28 | 16° 3 | 4° 6 | 17°14 | 11°25 | 15°D12 | 16°57 | 14°50 | n.a. | T 12 |
| W13 | 6 20 29 | 6°56'35 | 25° 3 | 5°50 | 20°49 | 9°15 | 3°22 | 16° 3 | 4° 4 | 17°13 | 11°24 | 15°12 | 16°54 | 14°57 | n.a. | W13 |
| T 14 | 6 24 25 | 7°56'46 | 9♓33 | 7°42 | 22° 4 | 9°59 | 3°15 | 16° 2 | 4° 2 | 17°13 | 11°22 | 15°13 | 16°51 | 15° 3 | n.a. | T 14 |
| F 15 | 6 28 22 | 8°56'55 | 23°46 | 9°34 | 23°18 | 10°44 | 3° 9 | 16° 2 | 4° 0 | 17°13 | 11°20 | 15°15 | 16°48 | 15°10 | n.a. | F 15 |
| S 16 | 6 32 18 | 9°57'01 | 7♈40 | 11°28 | 24°33 | 11°28 | 3° 2 | 16° 2 | 3°58 | 17°12 | 11°19 | 15°R16 | 16°44 | 15°17 | n.a. | S 16 |
| S 17 | 6 36 15 | 10°57'04 | 21°15 | 13°22 | 25°47 | 12°12 | 2°56 | 16° 1 | 3°56 | 17°12 | 11°17 | 15°15 | 16°41 | 15°23 | n.a. | S 17 |
| M18 | 6 40 11 | 11°57'06 | 4♉33 | 15°17 | 27° 2 | 12°57 | 2°49 | 16° 0 | 3°54 | 17°12 | 11°16 | 15°13 | 16°38 | 15°30 | n.a. | M18 |
| T 19 | 6 44 8 | 12°57'05 | 17°35 | 17°13 | 28°16 | 13°41 | 2°42 | 15°59 | 3°52 | 17°11 | 11°14 | 15°10 | 16°35 | 15°37 | n.a. | T 19 |
| W20 | 6 48 5 | 13°57'02 | 0♊22 | 19° 9 | 29°31 | 14°25 | 2°35 | 15°59 | 3°51 | 17°11 | 11°13 | 15° 5 | 16°32 | 15°43 | n.a. | W20 |
| T 21 | 6 52 1 | 14°56'56 | 12°56 | 21° 6 | 0♒45 | 15° 9 | 2°28 | 15°58 | 3°49 | 17°10 | 11°11 | 15° 0 | 16°29 | 15°50 | n.a. | T 21 |
| F 22 | 6 55 58 | 15°56'48 | 25°19 | 23° 2 | 1°59 | 15°53 | 2°21 | 15°57 | 3°47 | 17°10 | 11°10 | 14°54 | 16°25 | 15°57 | n.a. | F 22 |
| S 23 | 6 59 54 | 16°56'38 | 7♋31 | 24°59 | 3°14 | 16°37 | 2°14 | 15°55 | 3°45 | 17° 9 | 11° 8 | 14°50 | 16°22 | 16° 3 | n.a. | S 23 |
| S 24 | 7 3 51 | 17°56'26 | 19°34 | 26°56 | 4°28 | 17°21 | 2° 7 | 15°54 | 3°44 | 17° 8 | 11° 7 | 14°46 | 16°19 | 16°10 | n.a. | S 24 |
| M25 | 7 7 47 | 18°56'12 | 1♌30 | 28°52 | 5°42 | 18° 5 | 1°59 | 15°53 | 3°42 | 17° 8 | 11° 5 | 14°44 | 16°16 | 16°16 | n.a. | M25 |
| T 26 | 7 11 44 | 19°55'55 | 13°21 | 0♒47 | 6°56 | 18°49 | 1°52 | 15°51 | 3°40 | 17° 7 | 11° 4 | 14°D43 | 16°13 | 16°23 | n.a. | T 26 |
| W27 | 7 15 40 | 20°55'37 | 25° 8 | 2°41 | 8°11 | 19°33 | 1°44 | 15°50 | 3°39 | 17° 6 | 11° 2 | 14°44 | 16° 9 | 16°30 | n.a. | W27 |
| T 28 | 7 19 37 | 21°55'16 | 6♍56 | 4°33 | 9°25 | 20°16 | 1°37 | 15°48 | 3°37 | 17° 6 | 11° 1 | 14°45 | 16° 6 | 16°36 | n.a. | T 28 |
| F 29 | 7 23 34 | 22°54'53 | 18°47 | 6°24 | 10°39 | 21° 0 | 1°29 | 15°46 | 3°36 | 17° 5 | 10°59 | 14°47 | 16° 3 | 16°43 | n.a. | F 29 |
| S 30 | 7 27 30 | 23°54'29 | 0♎45 | 8°12 | 11°53 | 21°44 | 1°22 | 15°44 | 3°35 | 17° 4 | 10°58 | 14°48 | 16° 0 | 16°50 | n.a. | S 30 |
| S 31 | 7 31 27 | 24♑54'02 | 12♎56 | 9♒58 | 13♒ 7 | 22♒27 | 1♌14 | 15♍42 | 3♊33 | 17♍ 3 | 10♋56 | 14♒50 | 15♒57 | 16♌56 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23s49 | 5n51 | 2s 8 | 24s44 | 1s43 | 25s 9 | 1s22 | 21s31 | 1s 3 | 21n 0 | 1n31 | 8n 4 | 2n38 | 21n38 | 0n10 | 7n 3 | 2n 5 | 35n56 | 12n36 | 16s23 | 15s53 | 17n25 | | n.a. |
| S 2 | 23 52 | 0 18 | 3 4 | 24 58 | 1 46 | 25 7 | 1 23 | 21 21 | 1 2 | 21 2 | 1 31 | 8 4 | 2 39 | 21 38 | 0 10 | 7 3 | 2 5 | 35 57 | 12 36 | 16 23 | 15 54 | 17 22 | | n.a. |
| S 3 | 23 53 | 5s22 | 3 52 | 25 11 | 1 49 | 25 3 | 1 24 | 21 10 | 1 2 | 21 3 | 1 31 | 8 4 | 2 39 | 21 38 | 0 10 | 7 3 | 2 5 | 35 57 | 12 36 | 16 23 | 15 55 | 17 19 | | n.a. |
| M 4 | 23 54 | 10 58 | 4 31 | 25 22 | 1 51 | 24 58 | 1 25 | 20 59 | 1 1 | 21 5 | 1 32 | 8 4 | 2 39 | 21 37 | 0 10 | 7 3 | 2 5 | 35 57 | 12 36 | 16 24 | 15 56 | 17 16 | | n.a. |
| T 5 | 23 55 | 16 17 | 4 57 | 25 32 | 1 54 | 24 53 | 1 25 | 20 48 | 1 1 | 21 6 | 1 32 | 8 4 | 2 39 | 21 37 | 0 10 | 7 3 | 2 5 | 35 58 | 12 37 | 16 25 | 15 57 | 17 13 | | n.a. |
| W 6 | 23 55 | 21 0 | 5 8 | 25 40 | 1 56 | 24 47 | 1 26 | 20 37 | 1 0 | 21 8 | 1 32 | 8 4 | 2 40 | 21 36 | 0 10 | 7 3 | 2 6 | 35 58 | 12 37 | 16 27 | 15 58 | 17 11 | | n.a. |
| T 7 | 23 55 | 24 47 | 5 3 | 25 47 | 1 57 | 24 40 | 1 26 | 20 25 | 1 0 | 21 9 | 1 32 | 8 4 | 2 40 | 21 36 | 0 10 | 7 4 | 2 6 | 35 58 | 12 37 | 16 29 | 15 59 | 17 8 | | n.a. |
| F 8 | 23 55 | 27 10 | 4 39 | 25 51 | 1 58 | 24 33 | 1 27 | 20 13 | 0 59 | 21 11 | 1 33 | 8 4 | 2 40 | 21 35 | 0 10 | 7 4 | 2 6 | 35 59 | 12 37 | 16 31 | 16 0 | 17 5 | | n.a. |
| S 9 | 23 54 | 27 47 | 3 56 | 25 54 | 1 59 | 24 25 | 1 27 | 20 1 | 0 58 | 21 12 | 1 33 | 8 4 | 2 41 | 21 35 | 0 10 | 7 4 | 2 6 | 35 59 | 12 37 | 16 33 | 16 1 | 17 2 | | n.a. |
| S 10 | 23 52 | 26 26 | 2 57 | 25 54 | 1 59 | 24 16 | 1 28 | 19 49 | 0 58 | 21 14 | 1 33 | 8 4 | 2 41 | 21 35 | 0 10 | 7 4 | 2 6 | 35 59 | 12 37 | 16 35 | 16 2 | 16 59 | | n.a. |
| M11 | 23 50 | 23 13 | 1 45 | 25 53 | 1 59 | 24 6 | 1 28 | 19 37 | 0 57 | 21 16 | 1 33 | 8 5 | 2 41 | 21 34 | 0 10 | 7 4 | 2 6 | 35 59 | 12 37 | 16 36 | 16 3 | 16 57 | | n.a. |
| T 12 | 23 47 | 18 26 | 0 27 | 25 50 | 1 58 | 23 55 | 1 28 | 19 25 | 0 57 | 21 17 | 1 34 | 8 5 | 2 41 | 21 34 | 0 10 | 7 4 | 2 6 | 36 0 | 12 38 | 16 36 | 16 4 | 16 54 | | n.a. |
| W13 | 23 44 | 12 36 | 0n53 | 25 44 | 1 56 | 23 44 | 1 29 | 19 12 | 0 56 | 21 19 | 1 34 | 8 5 | 2 42 | 21 33 | 0 10 | 7 4 | 2 6 | 36 0 | 12 38 | 16 36 | 16 5 | 16 51 | | n.a. |
| T 14 | 23 41 | 6 10 | 2 9 | 25 36 | 1 55 | 23 32 | 1 29 | 19 0 | 0 56 | 21 21 | 1 34 | 8 6 | 2 42 | 21 33 | 0 10 | 7 5 | 2 6 | 36 0 | 12 38 | 16 36 | 16 6 | 16 48 | | n.a. |
| F 15 | 23 37 | 0n27 | 3 15 | 25 26 | 1 52 | 23 20 | 1 29 | 18 47 | 0 55 | 21 22 | 1 34 | 8 6 | 2 42 | 21 33 | 0 10 | 7 5 | 2 6 | 36 0 | 12 38 | 16 35 | 16 7 | 16 45 | | n.a. |
| S 16 | 23 33 | 6 53 | 4 8 | 25 14 | 1 49 | 23 6 | 1 29 | 18 34 | 0 54 | 21 24 | 1 34 | 8 6 | 2 42 | 21 32 | 0 10 | 7 5 | 2 6 | 36 1 | 12 38 | 16 35 | 16 8 | 16 42 | | n.a. |
| S 17 | 23 28 | 12 51 | 4 45 | 24 59 | 1 46 | 22 52 | 1 29 | 18 20 | 0 54 | 21 26 | 1 35 | 8 7 | 2 43 | 21 32 | 0 10 | 7 5 | 2 6 | 36 1 | 12 38 | 16 35 | 16 9 | 16 40 | | n.a. |
| M18 | 23 22 | 18 6 | 5 7 | 24 43 | 1 42 | 22 37 | 1 29 | 18 7 | 0 53 | 21 28 | 1 35 | 8 7 | 2 43 | 21 32 | 0 10 | 7 5 | 2 6 | 36 1 | 12 38 | 16 36 | 16 10 | 16 37 | | n.a. |
| T 19 | 23 17 | 22 24 | 5 12 | 24 23 | 1 37 | 22 22 | 1 28 | 17 54 | 0 53 | 21 30 | 1 35 | 8 8 | 2 43 | 21 31 | 0 10 | 7 6 | 2 6 | 36 1 | 12 38 | 16 37 | 16 11 | 16 34 | | n.a. |
| W20 | 23 11 | 25 32 | 5 1 | 24 2 | 1 31 | 22 6 | 1 28 | 17 40 | 0 52 | 21 31 | 1 35 | 8 9 | 2 44 | 21 31 | 0 10 | 7 6 | 2 7 | 36 2 | 12 38 | 16 38 | 16 12 | 16 31 | | n.a. |
| T 21 | 23 4 | 27 22 | 4 36 | 23 38 | 1 25 | 21 49 | 1 28 | 17 26 | 0 51 | 21 33 | 1 35 | 8 9 | 2 44 | 21 31 | 0 10 | 7 6 | 2 7 | 36 2 | 12 38 | 16 40 | 16 13 | 16 28 | | n.a. |
| F 22 | 22 57 | 27 49 | 3 58 | 23 12 | 1 18 | 21 32 | 1 27 | 17 12 | 0 51 | 21 35 | 1 36 | 8 10 | 2 44 | 21 30 | 0 10 | 7 6 | 2 7 | 36 2 | 12 38 | 16 42 | 16 14 | 16 25 | | n.a. |
| S 23 | 22 50 | 26 52 | 3 10 | 22 44 | 1 11 | 21 14 | 1 27 | 16 58 | 0 50 | 21 37 | 1 36 | 8 11 | 2 44 | 21 30 | 0 10 | 7 7 | 2 7 | 36 2 | 12 38 | 16 43 | 16 15 | 16 22 | | n.a. |
| S 24 | 22 42 | 24 40 | 2 14 | 22 14 | 1 3 | 20 56 | 1 26 | 16 44 | 0 50 | 21 39 | 1 36 | 8 11 | 2 45 | 21 30 | 0 10 | 7 7 | 2 7 | 36 2 | 12 38 | 16 44 | 16 16 | 16 20 | | n.a. |
| M25 | 22 33 | 21 24 | 1 12 | 21 41 | 0 54 | 20 37 | 1 26 | 16 30 | 0 49 | 21 41 | 1 36 | 8 12 | 2 45 | 21 29 | 0 10 | 7 7 | 2 7 | 36 2 | 12 38 | 16 45 | 16 17 | 16 17 | | n.a. |
| T 26 | 22 25 | 17 16 | 0 8 | 21 7 | 0 45 | 20 17 | 1 25 | 16 15 | 0 48 | 21 43 | 1 36 | 8 13 | 2 45 | 21 29 | 0 10 | 7 8 | 2 7 | 36 3 | 12 38 | 16 45 | 16 18 | 16 14 | | n.a. |
| W27 | 22 16 | 12 30 | 0s57 | 20 31 | 0 35 | 19 57 | 1 24 | 16 1 | 0 48 | 21 44 | 1 36 | 8 14 | 2 45 | 21 29 | 0 10 | 7 8 | 2 7 | 36 3 | 12 38 | 16 45 | 16 19 | 16 11 | | n.a. |
| T 28 | 22 6 | 7 18 | 1 59 | 19 54 | 0 24 | 19 36 | 1 24 | 15 46 | 0 47 | 21 46 | 1 37 | 8 15 | 2 46 | 21 28 | 0 10 | 7 8 | 2 7 | 36 3 | 12 38 | 16 44 | 16 20 | 16 8 | | n.a. |
| F 29 | 21 56 | 1 49 | 2 57 | 19 15 | 0 13 | 19 15 | 1 23 | 15 31 | 0 46 | 21 48 | 1 37 | 8 16 | 2 46 | 21 28 | 0 10 | 7 9 | 2 7 | 36 3 | 12 38 | 16 44 | 16 21 | 16 5 | | n.a. |
| S 30 | 21 46 | 3s46 | 3 48 | 18 36 | 0 1 | 18 53 | 1 22 | 15 16 | 0 46 | 21 50 | 1 37 | 8 17 | 2 46 | 21 28 | 0 10 | 7 9 | 2 7 | 36 3 | 12 38 | 16 43 | 16 22 | 16 2 | | n.a. |
| S 31 | 21s35 | 9s19 | 4s29 | 17s55 | 0n12 | 18s30 | 1s21 | 15s 1 | 0s45 | 21n52 | 1n37 | 8n18 | 2n46 | 21n28 | 0n10 | 7n10 | 2n 7 | 36n 3 | 12n38 | 16s43 | 16s23 | 15n59 | | n.a. |

Julian Day Number = 993114.5, Delta T = 13h00m06s
Ecliptic obliquity = 23°55'31, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'51, Lahiri = -31°26'51 Julian Calendar 1 Jan. 1994 BCE == Greg. Calendar 15 Dec. 1995 BCE

The year -1993 astronomical counting style corresponds to year 1994 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## FEBRUARY 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 35 23 | 25♉53'33 | 25♎23 | 11♒40 | 14♒21 | 23♒11 | 1°R 6 | 15°R40 | 3°R32 | 17°R 2 | 10°R55 | 14°R50 | 15♒54 | 17♌ 3 | n.a. | M 1 |
| T 2 | 7 39 20 | 26°53'03 | 8♏11 | 13°18 | 15°35 | 23°54 | 0♌59 | 15♍38 | 3♊31 | 17♍ 2 | 10♋53 | 14♒50 | 15°50 | 17°10 | n.a. | T 2 |
| W 3 | 7 43 16 | 27°52'31 | 21°24 | 14°52 | 16°49 | 24°38 | 0°51 | 15°36 | 3°29 | 17° 1 | 10°52 | 14°49 | 15°47 | 17°16 | n.a. | W 3 |
| T 4 | 7 47 13 | 28°51'56 | 5♐ 3 | 16°22 | 18° 4 | 25°21 | 0°43 | 15°34 | 3°28 | 17° 0 | 10°50 | 14°47 | 15°44 | 17°23 | n.a. | T 4 |
| F 5 | 7 51 9 | 29°51'20 | 19°11 | 17°46 | 19°17 | 26° 5 | 0°35 | 15°31 | 3°27 | 16°59 | 10°49 | 14°45 | 15°41 | 17°30 | n.a. | F 5 |
| S 6 | 7 55 6 | 0♒50'42 | 3♉43 | 19° 5 | 20°31 | 26°48 | 0°28 | 15°29 | 3°26 | 16°58 | 10°47 | 14°43 | 15°38 | 17°36 | n.a. | S 6 |
| S 7 | 7 59 2 | 1°50'02 | 18°36 | 20°18 | 21°45 | 27°32 | 0°20 | 15°26 | 3°25 | 16°57 | 10°46 | 14°42 | 15°35 | 17°43 | n.a. | S 7 |
| M 8 | 8 2 59 | 2°49'20 | 3♒42 | 21°24 | 22°59 | 28°15 | 0°12 | 15°24 | 3°24 | 16°56 | 10°45 | 14°41 | 15°31 | 17°50 | n.a. | M 8 |
| T 9 | 8 6 56 | 3°48'35 | 18°52 | 22°24 | 24°13 | 28°58 | 0° 4 | 15°21 | 3°23 | 16°55 | 10°43 | 14°D41 | 15°28 | 17°56 | n.a. | T 9 |
| W10 | 8 10 52 | 4°47'48 | 3♓57 | 23°17 | 25°27 | 29°41 | 29♋56 | 15°18 | 3°22 | 16°54 | 10°42 | 14°41 | 15°25 | 18° 3 | n.a. | W10 |
| T 11 | 8 14 49 | 5°46'58 | 18°48 | 24° 3 | 26°41 | 0♓24 | 29°49 | 15°16 | 3°21 | 16°53 | 10°40 | 14°42 | 15°22 | 18° 9 | n.a. | T 11 |
| F 12 | 8 18 45 | 6°46'07 | 3♈18 | 24°42 | 27°54 | 1° 7 | 29°41 | 15°13 | 3°21 | 16°51 | 10°39 | 14°42 | 15°19 | 18°16 | n.a. | F 12 |
| S 13 | 8 22 42 | 7°45'12 | 17°25 | 25°14 | 29° 8 | 1°50 | 29°33 | 15°10 | 3°20 | 16°50 | 10°38 | 14°43 | 15°15 | 18°23 | n.a. | S 13 |
| S 14 | 8 26 38 | 8°44'15 | 1♉ 8 | 25°38 | 0♓22 | 2°33 | 29°26 | 15° 6 | 3°19 | 16°49 | 10°36 | 14°43 | 15°12 | 18°29 | n.a. | S 14 |
| M15 | 8 30 35 | 9°43'16 | 14°26 | 25°55 | 1°35 | 3°16 | 29°18 | 15° 3 | 3°19 | 16°48 | 10°35 | 14°R43 | 15° 9 | 18°36 | n.a. | M15 |
| T 16 | 8 34 31 | 10°42'14 | 27°23 | 26° 4 | 2°49 | 3°59 | 29°11 | 15° 0 | 3°18 | 16°47 | 10°34 | 14°43 | 15° 6 | 18°43 | n.a. | T 16 |
| W17 | 8 38 28 | 11°41'10 | 10♊ 1 | 26°R 7 | 4° 3 | 4°42 | 29° 3 | 14°57 | 3°17 | 16°45 | 10°32 | 14°43 | 15° 3 | 18°49 | n.a. | W17 |
| T 18 | 8 42 24 | 12°40'03 | 22°23 | 26° 2 | 5°16 | 5°25 | 28°56 | 14°53 | 3°17 | 16°44 | 10°31 | 14°43 | 15° 0 | 18°56 | n.a. | T 18 |
| F 19 | 8 46 21 | 13°38'54 | 4♋32 | 25°50 | 6°30 | 6° 8 | 28°49 | 14°50 | 3°17 | 16°43 | 10°30 | 14°42 | 14°56 | 19° 3 | n.a. | F 19 |
| S 20 | 8 50 18 | 14°37'43 | 16°32 | 25°32 | 7°43 | 6°50 | 28°41 | 14°47 | 3°16 | 16°42 | 10°29 | 14°D42 | 14°53 | 19° 9 | n.a. | S 20 |
| S 21 | 8 54 14 | 15°36'29 | 28°26 | 25° 9 | 8°56 | 7°33 | 28°34 | 14°43 | 3°16 | 16°40 | 10°28 | 14°42 | 14°50 | 19°16 | n.a. | S 21 |
| M22 | 8 58 11 | 16°35'13 | 10♌16 | 24°40 | 10°10 | 8°16 | 28°27 | 14°39 | 3°16 | 16°39 | 10°26 | 14°R42 | 14°47 | 19°23 | n.a. | M22 |
| T 23 | 9 2 7 | 17°33'55 | 22° 4 | 24° 6 | 11°23 | 8°58 | 28°20 | 14°36 | 3°16 | 16°38 | 10°25 | 14°42 | 14°44 | 19°29 | n.a. | T 23 |
| W24 | 9 6 4 | 18°32'35 | 3♍52 | 23°28 | 12°36 | 9°41 | 28°13 | 14°32 | 3°15 | 16°36 | 10°24 | 14°42 | 14°41 | 19°36 | n.a. | W24 |
| T 25 | 9 10 0 | 19°31'12 | 15°43 | 22°48 | 13°49 | 10°23 | 28° 6 | 14°28 | 3°15 | 16°35 | 10°23 | 14°42 | 14°37 | 19°43 | n.a. | T 25 |
| F 26 | 9 13 57 | 20°29'48 | 27°39 | 22° 4 | 15° 3 | 11° 6 | 27°59 | 14°24 | 3°D15 | 16°33 | 10°22 | 14°41 | 14°34 | 19°49 | n.a. | F 26 |
| S 27 | 9 17 53 | 21°28'21 | 9♎43 | 21°20 | 16°16 | 11°48 | 27°53 | 14°20 | 3°15 | 16°32 | 10°21 | 14°40 | 14°31 | 19°56 | n.a. | S 27 |
| S 28 | 9 21 50 | 22♒26'53 | 21♎58 | 20♒34 | 17♓29 | 12♓30 | 27♋46 | 14♍17 | 3♊15 | 16♍31 | 10♋20 | 14♒39 | 14♒28 | 20♌ 2 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s24 | 14s37 | 4s58 | 17s15 | 0n24 | 18s 8 | 1s20 | 14s46 | 0s45 | 21n54 | 1n37 | 8n19 | 2n47 | 21n27 | 0n10 | 7n10 | 2n 7 | 36n 3 | 12n38 | 16s43 | 16s24 | 15n57 | | n.a. |
| T 2 | 21 12 | 19 27 | 5 14 | 16 34 | 0 37 | 17 44 | 1 19 | 14 31 | 0 44 | 21 56 | 1 37 | 8 20 | 2 47 | 21 27 | 0 10 | 7 10 | 2 7 | 36 4 | 12 38 | 16 43 | 16 25 | 15 54 | | n.a. |
| W 3 | 21 0 | 23 31 | 5 14 | 15 54 | 0 51 | 17 20 | 1 18 | 14 15 | 0 43 | 21 57 | 1 37 | 8 21 | 2 47 | 21 27 | 0 10 | 7 11 | 2 7 | 36 4 | 12 38 | 16 43 | 16 26 | 15 51 | | n.a. |
| T 4 | 20 48 | 26 26 | 4 57 | 15 14 | 1 4 | 16 56 | 1 16 | 14 0 | 0 43 | 21 59 | 1 37 | 8 22 | 2 47 | 21 27 | 0 10 | 7 11 | 2 7 | 36 4 | 12 38 | 16 44 | 16 27 | 15 48 | | n.a. |
| F 5 | 20 36 | 27 49 | 4 21 | 14 35 | 1 18 | 16 31 | 1 15 | 13 44 | 0 42 | 22 1 | 1 38 | 8 23 | 2 48 | 21 26 | 0 10 | 7 12 | 2 8 | 36 4 | 12 38 | 16 44 | 16 28 | 15 45 | | n.a. |
| S 6 | 20 23 | 27 20 | 3 28 | 13 57 | 1 32 | 16 6 | 1 14 | 13 29 | 0 42 | 22 3 | 1 38 | 8 24 | 2 48 | 21 26 | 0 10 | 7 12 | 2 8 | 36 4 | 12 38 | 16 45 | 16 29 | 15 42 | | n.a. |
| S 7 | 20 9 | 24 54 | 2 20 | 13 21 | 1 45 | 15 40 | 1 12 | 13 13 | 0 41 | 22 5 | 1 38 | 8 25 | 2 48 | 21 26 | 0 10 | 7 12 | 2 8 | 36 4 | 12 38 | 16 45 | 16 29 | 15 39 | | n.a. |
| M 8 | 19 56 | 20 42 | 1 1 | 12 47 | 1 59 | 15 14 | 1 11 | 12 57 | 0 40 | 22 6 | 1 38 | 8 27 | 2 48 | 21 26 | 0 10 | 7 13 | 2 8 | 36 4 | 12 38 | 16 46 | 16 30 | 15 36 | | n.a. |
| T 9 | 19 41 | 15 6 | 0n23 | 12 15 | 2 12 | 14 48 | 1 9 | 12 41 | 0 40 | 22 8 | 1 38 | 8 28 | 2 48 | 21 26 | 0 10 | 7 13 | 2 8 | 36 4 | 12 38 | 16 46 | 16 31 | 15 33 | | n.a. |
| W10 | 19 27 | 8 38 | 1 45 | 11 46 | 2 24 | 14 21 | 1 7 | 12 25 | 0 39 | 22 10 | 1 38 | 8 29 | 2 49 | 21 25 | 0 10 | 7 14 | 2 8 | 36 4 | 12 38 | 16 46 | 16 32 | 15 30 | | n.a. |
| T 11 | 19 12 | 1 48 | 2 58 | 11 19 | 2 36 | 13 54 | 1 6 | 12 9 | 0 38 | 22 12 | 1 38 | 8 30 | 2 49 | 21 25 | 0 10 | 7 14 | 2 8 | 36 4 | 12 38 | 16 45 | 16 33 | 15 27 | | n.a. |
| F 12 | 18 57 | 4n58 | 3 59 | 10 55 | 2 48 | 13 27 | 1 4 | 11 53 | 0 38 | 22 13 | 1 38 | 8 32 | 2 49 | 21 25 | 0 10 | 7 15 | 2 8 | 36 4 | 12 38 | 16 45 | 16 34 | 15 25 | | n.a. |
| S 13 | 18 42 | 11 18 | 4 42 | 10 35 | 2 58 | 12 59 | 1 2 | 11 37 | 0 37 | 22 15 | 1 38 | 8 33 | 2 49 | 21 25 | 0 10 | 7 15 | 2 8 | 36 4 | 12 38 | 16 45 | 16 35 | 15 22 | | n.a. |
| S 14 | 18 26 | 16 54 | 5 9 | 10 17 | 3 8 | 12 31 | 1 0 | 11 20 | 0 37 | 22 17 | 1 38 | 8 35 | 2 49 | 21 25 | 0 10 | 7 16 | 2 8 | 36 4 | 12 38 | 16 45 | 16 36 | 15 19 | | n.a. |
| M15 | 18 11 | 21 32 | 5 18 | 10 4 | 3 17 | 12 2 | 0 59 | 11 4 | 0 36 | 22 18 | 1 38 | 8 36 | 2 50 | 21 25 | 0 10 | 7 16 | 2 8 | 36 4 | 12 37 | 16 45 | 16 37 | 15 16 | | n.a. |
| T 16 | 17 54 | 25 0 | 5 10 | 9 53 | 3 24 | 11 33 | 0 57 | 10 47 | 0 35 | 22 20 | 1 38 | 8 38 | 2 50 | 21 25 | 0 10 | 7 17 | 2 8 | 36 4 | 12 37 | 16 45 | 16 38 | 15 13 | | n.a. |
| W17 | 17 38 | 27 8 | 4 47 | 9 46 | 3 31 | 11 4 | 0 55 | 10 31 | 0 35 | 22 22 | 1 38 | 8 39 | 2 50 | 21 25 | 0 10 | 7 17 | 2 8 | 36 4 | 12 37 | 16 45 | 16 39 | 15 10 | | n.a. |
| T 18 | 17 21 | 27 53 | 4 12 | 9 43 | 3 36 | 10 35 | 0 53 | 10 14 | 0 34 | 22 23 | 1 38 | 8 40 | 2 50 | 21 24 | 0 10 | 7 18 | 2 8 | 36 4 | 12 37 | 16 45 | 16 40 | 15 7 | | n.a. |
| F 19 | 17 4 | 27 16 | 3 25 | 9 44 | 3 39 | 10 5 | 0 50 | 9 58 | 0 33 | 22 25 | 1 38 | 8 42 | 2 50 | 21 24 | 0 10 | 7 19 | 2 8 | 36 4 | 12 37 | 16 45 | 16 41 | 15 4 | | n.a. |
| S 20 | 16 46 | 25 22 | 2 30 | 9 48 | 3 41 | 9 35 | 0 48 | 9 41 | 0 33 | 22 26 | 1 38 | 8 44 | 2 51 | 21 24 | 0 10 | 7 19 | 2 8 | 36 4 | 12 37 | 16 45 | 16 42 | 15 1 | | n.a. |
| S 21 | 16 29 | 22 21 | 1 29 | 9 56 | 3 42 | 9 5 | 0 46 | 9 24 | 0 32 | 22 28 | 1 38 | 8 45 | 2 51 | 21 24 | 0 10 | 7 20 | 2 8 | 36 4 | 12 37 | 16 45 | 16 43 | 14 58 | | n.a. |
| M22 | 16 11 | 18 25 | 0 25 | 10 7 | 3 40 | 8 35 | 0 44 | 9 7 | 0 32 | 22 29 | 1 38 | 8 47 | 2 51 | 21 24 | 0 10 | 7 20 | 2 8 | 36 4 | 12 37 | 16 45 | 16 44 | 14 55 | | n.a. |
| T 23 | 15 53 | 13 48 | 0s41 | 10 20 | 3 38 | 8 5 | 0 42 | 8 51 | 0 31 | 22 31 | 1 38 | 8 48 | 2 51 | 21 24 | 0 10 | 7 21 | 2 8 | 36 4 | 12 36 | 16 45 | 16 45 | 14 52 | | n.a. |
| W24 | 15 34 | 8 40 | 1 44 | 10 37 | 3 33 | 7 34 | 0 39 | 8 34 | 0 30 | 22 32 | 1 38 | 8 50 | 2 51 | 21 24 | 0 10 | 7 21 | 2 8 | 36 4 | 12 36 | 16 45 | 16 46 | 14 49 | | n.a. |
| T 25 | 15 16 | 3 14 | 2 44 | 10 57 | 3 27 | 7 3 | 0 37 | 8 17 | 0 30 | 22 33 | 1 38 | 8 52 | 2 51 | 21 24 | 0 10 | 7 22 | 2 9 | 36 4 | 12 36 | 16 45 | 16 47 | 14 46 | | n.a. |
| F 26 | 14 57 | 2s21 | 3 37 | 11 18 | 3 19 | 6 32 | 0 34 | 8 0 | 0 29 | 22 35 | 1 38 | 8 53 | 2 52 | 21 24 | 0 10 | 7 23 | 2 9 | 36 4 | 12 36 | 16 45 | 16 48 | 14 43 | | n.a. |
| S 27 | 14 38 | 7 54 | 4 20 | 11 41 | 3 10 | 6 1 | 0 32 | 7 43 | 0 28 | 22 36 | 1 38 | 8 55 | 2 52 | 21 24 | 0 10 | 7 23 | 2 9 | 36 4 | 12 36 | 16 46 | 16 49 | 14 40 | | n.a. |
| S 28 | 14s19 | 13s14 | 4s53 | 12s 6 | 2n59 | 5s30 | 0s29 | 7s26 | 0s28 | 22n37 | 1n38 | 8n57 | 2n52 | 21n24 | 0n10 | 7n24 | 2n 9 | 36n 4 | 12n35 | 16s46 | 16s49 | 14n37 | | n.a. |

Julian Day Number = 993145.5, Delta T = 13h00m04s
Ecliptic obliquity = 23°55'31, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'47, Lahiri = -31°26'46 Julian Calendar 1 Feb. 1994 BCE == Greg. Calendar 15 Jan. 1994 BCE


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## MARCH 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 25 46 | 23♒25'23 | 4♏27 | 19°R49 | 18♓42 | 13♓13 | 27°R40 | 14°R13 | 3♊15 | 16°R29 | 10°R19 | 14°R39 | 14♒25 | 20♌ 9 | n.a. | M 1 |
| T 2 | 9 29 43 | 24°23'51 | 17°14 | 19♒ 5 | 19°55 | 13°55 | 27♋34 | 14♍ 9 | 3°16 | 16♍28 | 10♋18 | 14♒38 | 14°21 | 20°16 | n.a. | T 2 |
| W 3 | 9 33 40 | 25°22'17 | 0♐21 | 18°23 | 21° 8 | 14°37 | 27°27 | 14° 4 | 3°16 | 16°26 | 10°17 | 14°D38 | 14°18 | 20°22 | n.a. | W 3 |
| T 4 | 9 37 36 | 26°20'42 | 13°52 | 17°43 | 22°21 | 15°19 | 27°21 | 14° 0 | 3°16 | 16°25 | 10°16 | 14°39 | 14°15 | 20°29 | n.a. | T 4 |
| F 5 | 9 41 33 | 27°19'05 | 27°48 | 17° 7 | 23°34 | 16° 1 | 27°15 | 13°56 | 3°17 | 16°23 | 10°15 | 14°39 | 14°12 | 20°36 | n.a. | F 5 |
| S 6 | 9 45 29 | 28°17'27 | 12♑ 9 | 16°34 | 24°46 | 16°43 | 27°10 | 13°52 | 3°17 | 16°22 | 10°14 | 14°40 | 14° 9 | 20°42 | n.a. | S 6 |
| S 7 | 9 49 26 | 29°15'46 | 26°52 | 16° 5 | 25°59 | 17°25 | 27° 4 | 13°48 | 3°17 | 16°20 | 10°13 | 14°41 | 14° 6 | 20°49 | n.a. | S 7 |
| M 8 | 9 53 22 | 0♓14'04 | 11♒53 | 15°40 | 27°12 | 18° 7 | 26°58 | 13°44 | 3°18 | 16°19 | 10°12 | 14°R42 | 14° 2 | 20°56 | n.a. | M 8 |
| T 9 | 9 57 19 | 1°12'19 | 27° 3 | 15°20 | 28°25 | 18°49 | 26°53 | 13°39 | 3°18 | 16°17 | 10°11 | 14°42 | 13°59 | 21° 2 | n.a. | T 9 |
| W10 | 10 1 15 | 2°10'33 | 12♓13 | 15° 5 | 29°37 | 19°31 | 26°48 | 13°35 | 3°19 | 16°15 | 10°10 | 14°40 | 13°56 | 21° 9 | n.a. | W10 |
| T 11 | 10 5 12 | 3° 8'45 | 27°14 | 14°55 | 0♈50 | 20°13 | 26°43 | 13°31 | 3°20 | 16°14 | 10° 9 | 14°38 | 13°53 | 21°16 | n.a. | T 11 |
| F 12 | 10 9 8 | 4° 6'54 | 11♈58 | 14°50 | 2° 3 | 20°55 | 26°38 | 13°26 | 3°20 | 16°12 | 10° 9 | 14°36 | 13°50 | 21°22 | n.a. | F 12 |
| S 13 | 10 13 5 | 5° 5'02 | 26°18 | 14°D50 | 3°15 | 21°37 | 26°33 | 13°22 | 3°21 | 16°11 | 10° 8 | 14°33 | 13°46 | 21°29 | n.a. | S 13 |
| S 14 | 10 17 2 | 6° 3'08 | 10♉11 | 14°55 | 4°27 | 22°18 | 26°28 | 13°17 | 3°22 | 16° 9 | 10° 7 | 14°31 | 13°43 | 21°36 | n.a. | S 14 |
| M15 | 10 20 58 | 7° 1'11 | 23°36 | 15° 4 | 5°40 | 23° 0 | 26°24 | 13°13 | 3°23 | 16° 8 | 10° 6 | 14°30 | 13°40 | 21°42 | n.a. | M15 |
| T 16 | 10 24 55 | 7°59'13 | 6♊35 | 15°19 | 6°52 | 23°42 | 26°19 | 13° 9 | 3°24 | 16° 6 | 10° 6 | 14°D29 | 13°37 | 21°49 | n.a. | T 16 |
| W17 | 10 28 51 | 8°57'12 | 19°11 | 15°38 | 8° 5 | 24°23 | 26°15 | 13° 4 | 3°25 | 16° 4 | 10° 5 | 14°29 | 13°34 | 21°55 | n.a. | W17 |
| T 18 | 10 32 48 | 9°55'09 | 1♋29 | 16° 1 | 9°17 | 25° 5 | 26°11 | 13° 0 | 3°26 | 16° 3 | 10° 4 | 14°30 | 13°31 | 22° 2 | n.a. | T 18 |
| F 19 | 10 36 44 | 10°53'04 | 13°33 | 16°29 | 10°29 | 25°46 | 26° 7 | 12°55 | 3°27 | 16° 1 | 10° 4 | 14°32 | 13°27 | 22° 9 | n.a. | F 19 |
| S 20 | 10 40 41 | 11°50'58 | 25°27 | 17° 1 | 11°41 | 26°28 | 26° 4 | 12°51 | 3°28 | 16° 0 | 10° 3 | 14°34 | 13°24 | 22°15 | n.a. | S 20 |
| S 21 | 10 44 37 | 12°48'49 | 7♌16 | 17°37 | 12°53 | 27° 9 | 26° 0 | 12°46 | 3°29 | 15°58 | 10° 3 | 14°35 | 13°21 | 22°22 | n.a. | S 21 |
| M22 | 10 48 34 | 13°46'38 | 19° 3 | 18°17 | 14° 5 | 27°50 | 25°57 | 12°42 | 3°30 | 15°56 | 10° 2 | 14°R35 | 13°18 | 22°29 | n.a. | M22 |
| T 23 | 10 52 31 | 14°44'26 | 0♍51 | 19° 0 | 15°17 | 28°32 | 25°54 | 12°38 | 3°32 | 15°55 | 10° 2 | 14°34 | 13°15 | 22°35 | n.a. | T 23 |
| W24 | 10 56 27 | 15°42'12 | 12°43 | 19°47 | 16°29 | 29°13 | 25°51 | 12°33 | 3°33 | 15°53 | 10° 1 | 14°31 | 13°12 | 22°42 | n.a. | W24 |
| T 25 | 11 0 24 | 16°39'56 | 24°41 | 20°38 | 17°41 | 29°54 | 25°48 | 12°29 | 3°34 | 15°51 | 10° 1 | 14°27 | 13° 8 | 22°49 | n.a. | T 25 |
| F 26 | 11 4 20 | 17°37'39 | 6♎47 | 21°32 | 18°53 | 0♈35 | 25°45 | 12°24 | 3°36 | 15°50 | 10° 0 | 14°22 | 13° 5 | 22°55 | n.a. | F 26 |
| S 27 | 11 8 17 | 18°35'20 | 19° 2 | 22°29 | 20° 4 | 1°16 | 25°43 | 12°20 | 3°37 | 15°48 | 10° 0 | 14°16 | 13° 2 | 23° 2 | n.a. | S 27 |
| S 28 | 11 12 13 | 19°33'00 | 1♏28 | 23°29 | 21°16 | 1°57 | 25°41 | 12°15 | 3°39 | 15°47 | 10° 0 | 14°10 | 12°59 | 23° 9 | n.a. | S 28 |
| M29 | 11 16 10 | 20°30'38 | 14° 6 | 24°32 | 22°27 | 2°38 | 25°38 | 12°11 | 3°40 | 15°45 | 9°59 | 14° 5 | 12°56 | 23°15 | n.a. | M29 |
| T 30 | 11 20 6 | 21°28'16 | 26°59 | 25°38 | 23°39 | 3°20 | 25°37 | 12° 7 | 3°42 | 15°43 | 9°59 | 14° 1 | 12°52 | 23°22 | n.a. | T 30 |
| W31 | 11 24 3 | 22♓25'52 | 10♐ 8 | 26♒47 | 24♈50 | 4♈ 0 | 25♋35 | 12♍ 2 | 3♊44 | 15♍42 | 9♋59 | 13♒59 | 12♒49 | 23♌29 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 13s59 | 18s 9 | 5s12 | 12s31 | 2n48 | 4s58 | 0s27 | 7s 9 | 0s27 | 22n39 | 1n38 | 8n58 | 2n52 | 21n24 | 0n10 | 7n24 | 2n 9 | 36n 4 | 12n35 | 16s46 | 16s50 | 14n34 | | | n.a. |
| T 2 | 13 39 | 22 22 | 5 17 | 12 57 | 2 35 | 4 27 | 0 24 | 6 52 | 0 27 | 22 40 | 1 38 | 9 0 | 2 52 | 21 24 | 0 10 | 7 25 | 2 9 | 36 3 | 12 35 | 16 46 | 16 51 | 14 31 | | | n.a. |
| W 3 | 13 19 | 25 36 | 5 5 | 13 24 | 2 21 | 3 55 | 0 22 | 6 34 | 0 26 | 22 41 | 1 37 | 9 2 | 2 52 | 21 24 | 0 10 | 7 26 | 2 9 | 36 3 | 12 35 | 16 46 | 16 52 | 14 28 | | | n.a. |
| T 4 | 12 59 | 27 31 | 4 37 | 13 50 | 2 6 | 3 23 | 0 19 | 6 17 | 0 25 | 22 42 | 1 37 | 9 3 | 2 52 | 21 24 | 0 10 | 7 26 | 2 9 | 36 3 | 12 35 | 16 46 | 16 53 | 14 25 | | | n.a. |
| F 5 | 12 39 | 27 46 | 3 52 | 14 16 | 1 51 | 2 51 | 0 16 | 6 0 | 0 25 | 22 43 | 1 37 | 9 5 | 2 52 | 21 24 | 0 10 | 7 27 | 2 9 | 36 3 | 12 35 | 16 46 | 16 54 | 14 22 | | | n.a. |
| S 6 | 12 18 | 26 11 | 2 51 | 14 41 | 1 35 | 2 19 | 0 14 | 5 43 | 0 24 | 22 44 | 1 37 | 9 7 | 2 52 | 21 24 | 0 10 | 7 27 | 2 9 | 36 3 | 12 34 | 16 46 | 16 55 | 14 19 | | | n.a. |
| S 7 | 11 58 | 22 48 | 1 37 | 15 4 | 1 20 | 1 47 | 0 11 | 5 25 | 0 23 | 22 45 | 1 37 | 9 9 | 2 53 | 21 25 | 0 10 | 7 28 | 2 9 | 36 3 | 12 34 | 16 45 | 16 56 | 14 17 | | | n.a. |
| M 8 | 11 37 | 17 49 | 0 16 | 15 27 | 1 4 | 1 15 | 0 8 | 5 8 | 0 23 | 22 46 | 1 37 | 9 10 | 2 53 | 21 25 | 0 10 | 7 29 | 2 9 | 36 3 | 12 34 | 16 45 | 16 57 | 14 14 | | | n.a. |
| T 9 | 11 16 | 11 41 | 1n 8 | 15 48 | 0 48 | 0 43 | 0 5 | 4 51 | 0 22 | 22 47 | 1 37 | 9 12 | 2 53 | 21 25 | 0 10 | 7 29 | 2 9 | 36 3 | 12 34 | 16 45 | 16 58 | 14 11 | | | n.a. |
| W10 | 10 55 | 4 52 | 2 26 | 16 8 | 0 32 | 0 11 | 0 2 | 4 34 | 0 22 | 22 48 | 1 37 | 9 14 | 2 53 | 21 25 | 0 10 | 7 30 | 2 9 | 36 2 | 12 33 | 16 46 | 16 59 | 14 8 | | | n.a. |
| T 11 | 10 33 | 2n 8 | 3 34 | 16 25 | 0 17 | 0n21 | 0n 0 | 4 16 | 0 21 | 22 49 | 1 37 | 9 16 | 2 53 | 21 25 | 0 10 | 7 31 | 2 9 | 36 2 | 12 33 | 16 46 | 17 0 | 14 5 | | | n.a. |
| F 12 | 10 12 | 8 53 | 4 26 | 16 41 | 0 2 | 0 53 | 0 3 | 3 59 | 0 20 | 22 50 | 1 36 | 9 17 | 2 53 | 21 25 | 0 10 | 7 31 | 2 9 | 36 2 | 12 33 | 16 47 | 17 1 | 14 2 | | | n.a. |
| S 13 | 9 50 | 14 59 | 5 0 | 16 55 | 0s13 | 1 25 | 0 6 | 3 42 | 0 20 | 22 51 | 1 36 | 9 19 | 2 53 | 21 25 | 0 10 | 7 32 | 2 9 | 36 2 | 12 33 | 16 48 | 17 2 | 13 59 | | | n.a. |
| S 14 | 9 28 | 20 7 | 5 15 | 17 7 | 0 27 | 1 57 | 0 9 | 3 24 | 0 19 | 22 52 | 1 36 | 9 21 | 2 53 | 21 25 | 0 10 | 7 33 | 2 9 | 36 2 | 12 32 | 16 48 | 17 3 | 13 56 | | | n.a. |
| M15 | 9 7 | 24 4 | 5 12 | 17 17 | 0 41 | 2 29 | 0 12 | 3 7 | 0 18 | 22 52 | 1 36 | 9 23 | 2 53 | 21 26 | 0 10 | 7 33 | 2 9 | 36 2 | 12 32 | 16 49 | 17 4 | 13 53 | | | n.a. |
| T 16 | 8 45 | 26 39 | 4 52 | 17 25 | 0 53 | 3 0 | 0 15 | 2 50 | 0 18 | 22 53 | 1 36 | 9 25 | 2 53 | 21 26 | 0 10 | 7 34 | 2 9 | 36 1 | 12 32 | 16 49 | 17 4 | 13 50 | | | n.a. |
| W17 | 8 22 | 27 47 | 4 20 | 17 31 | 1 6 | 3 32 | 0 18 | 2 32 | 0 17 | 22 54 | 1 36 | 9 26 | 2 53 | 21 26 | 0 10 | 7 35 | 2 9 | 36 1 | 12 32 | 16 49 | 17 5 | 13 47 | | | n.a. |
| T 18 | 8 0 | 27 30 | 3 35 | 17 35 | 1 17 | 4 4 | 0 21 | 2 15 | 0 17 | 22 54 | 1 36 | 9 28 | 2 53 | 21 26 | 0 10 | 7 35 | 2 9 | 36 1 | 12 31 | 16 49 | 17 6 | 13 43 | | | n.a. |
| F 19 | 7 38 | 25 55 | 2 43 | 17 37 | 1 28 | 4 36 | 0 24 | 1 57 | 0 16 | 22 55 | 1 35 | 9 30 | 2 53 | 21 26 | 0 10 | 7 36 | 2 9 | 36 1 | 12 31 | 16 48 | 17 7 | 13 40 | | | n.a. |
| S 20 | 7 15 | 23 10 | 1 43 | 17 37 | 1 38 | 5 7 | 0 27 | 1 40 | 0 15 | 22 55 | 1 35 | 9 32 | 2 53 | 21 27 | 0 10 | 7 37 | 2 9 | 36 1 | 12 31 | 16 48 | 17 8 | 13 37 | | | n.a. |
| S 21 | 6 53 | 19 29 | 0 40 | 17 34 | 1 48 | 5 39 | 0 30 | 1 23 | 0 15 | 22 56 | 1 35 | 9 33 | 2 53 | 21 27 | 0 10 | 7 37 | 2 9 | 36 0 | 12 31 | 16 47 | 17 9 | 13 34 | | | n.a. |
| M22 | 6 30 | 15 2 | 0s24 | 17 30 | 1 57 | 6 10 | 0 33 | 1 5 | 0 14 | 22 56 | 1 35 | 9 35 | 2 53 | 21 27 | 0 10 | 7 38 | 2 9 | 36 0 | 12 30 | 16 47 | 17 10 | 13 31 | | | n.a. |
| T 23 | 6 8 | 10 1 | 1 28 | 17 24 | 2 5 | 6 41 | 0 36 | 0 48 | 0 13 | 22 57 | 1 35 | 9 37 | 2 53 | 21 27 | 0 10 | 7 38 | 2 9 | 36 0 | 12 30 | 16 48 | 17 11 | 13 28 | | | n.a. |
| W24 | 5 45 | 4 39 | 2 28 | 17 15 | 2 12 | 7 12 | 0 39 | 0 31 | 0 13 | 22 57 | 1 35 | 9 39 | 2 53 | 21 28 | 0 10 | 7 39 | 2 9 | 36 0 | 12 30 | 16 48 | 17 12 | 13 25 | | | n.a. |
| T 25 | 5 22 | 0s55 | 3 22 | 17 5 | 2 18 | 7 43 | 0 41 | 0 14 | 0 12 | 22 58 | 1 34 | 9 40 | 2 53 | 21 28 | 0 10 | 7 40 | 2 9 | 35 59 | 12 30 | 16 50 | 17 13 | 13 22 | | | n.a. |
| F 26 | 4 59 | 6 31 | 4 7 | 16 53 | 2 24 | 8 13 | 0 44 | 0n 4 | 0 12 | 22 58 | 1 34 | 9 42 | 2 53 | 21 28 | 0 10 | 7 40 | 2 9 | 35 59 | 12 29 | 16 51 | 17 14 | 13 19 | | | n.a. |
| S 27 | 4 36 | 11 56 | 4 42 | 16 39 | 2 30 | 8 44 | 0 47 | 0 21 | 0 11 | 22 58 | 1 34 | 9 44 | 2 53 | 21 28 | 0 10 | 7 41 | 2 9 | 35 59 | 12 29 | 16 53 | 17 15 | 13 16 | | | n.a. |
| S 28 | 4 13 | 16 57 | 5 4 | 16 23 | 2 34 | 9 14 | 0 50 | 0 38 | 0 10 | 22 59 | 1 34 | 9 46 | 2 53 | 21 29 | 0 10 | 7 42 | 2 9 | 35 59 | 12 29 | 16 55 | 17 16 | 13 13 | | | n.a. |
| M29 | 3 50 | 21 20 | 5 11 | 16 5 | 2 38 | 9 44 | 0 53 | 0 55 | 0 10 | 22 59 | 1 34 | 9 47 | 2 53 | 21 29 | 0 10 | 7 42 | 2 9 | 35 58 | 12 28 | 16 56 | 17 16 | 13 10 | | | n.a. |
| T 30 | 3 27 | 24 47 | 5 3 | 15 45 | 2 41 | 10 14 | 0 56 | 1 12 | 0 9 | 22 59 | 1 34 | 9 49 | 2 53 | 21 29 | 0 10 | 7 43 | 2 9 | 35 58 | 12 28 | 16 57 | 17 17 | 13 7 | | | n.a. |
| W31 | 3s 4 | 27s 2 | 4s39 | 15s23 | 2s43 | 10n43 | 0n59 | 1n30 | 0s 9 | 22n59 | 1n33 | 9n51 | 2n53 | 21n30 | 0n10 | 7n44 | 2n 9 | 35n58 | 12n28 | 16s58 | 17s18 | 13n 4 | | | n.a. |

Julian Day Number = 993173.5, Delta T = 13h00m02s
Ecliptic obliquity = 23°55'32, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'43, Lahiri = -31°26'43 Julian Calendar 1 March 1994 BCE == Greg. Calendar 12 Feb. 1994 BCE

The year -1993 astronomical counting style corresponds to year 1994 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## APRIL 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 27 59 | 23♓23'27 | 23♐35 | 27♒59 | 26♈ 2 | 4♈41 | 25°R33 | 11°R58 | 3♊45 | 15°R40 | 9°R59 | 13°D58 | 12♒46 | 23♌35 | n.a. | T 1 |
| F 2 | 11 31 56 | 24°21'00 | 7♑22 | 29°13 | 27°13 | 5°22 | 25♋32 | 11♍54 | 3°47 | 15♍38 | 9♋58 | 13♒58 | 12°43 | 23°42 | n.a. | F 2 |
| S 3 | 11 35 53 | 25°18'33 | 21°29 | 0♓30 | 28°24 | 6° 3 | 25°31 | 11°49 | 3°49 | 15°37 | 9°58 | 14° 0 | 12°40 | 23°48 | n.a. | S 3 |
| S 4 | 11 39 49 | 26°16'05 | 5♒55 | 1°49 | 29°36 | 6°44 | 25°30 | 11°45 | 3°51 | 15°35 | 9°58 | 14° 1 | 12°37 | 23°55 | n.a. | S 4 |
| M 5 | 11 43 46 | 27°13'36 | 20°39 | 3°11 | 0♉47 | 7°25 | 25°29 | 11°41 | 3°53 | 15°34 | 9°58 | 14°R 1 | 12°33 | 24° 2 | n.a. | M 5 |
| T 6 | 11 47 42 | 28°11'05 | 5♓34 | 4°35 | 1°58 | 8° 6 | 25°28 | 11°37 | 3°55 | 15°32 | 9°58 | 13°59 | 12°30 | 24° 8 | n.a. | T 6 |
| W 7 | 11 51 39 | 29° 8'33 | 20°34 | 6° 2 | 3° 9 | 8°46 | 25°28 | 11°32 | 3°57 | 15°31 | 9°58 | 13°55 | 12°27 | 24°15 | n.a. | W 7 |
| T 8 | 11 55 35 | 0♈ 6'00 | 5♈30 | 7°31 | 4°20 | 9°27 | 25°27 | 11°28 | 3°59 | 15°29 | 9°D58 | 13°50 | 12°24 | 24°22 | n.a. | T 8 |
| F 9 | 11 59 32 | 1° 3'26 | 20°13 | 9° 2 | 5°31 | 10° 7 | 25°D27 | 11°24 | 4° 1 | 15°27 | 9°58 | 13°43 | 12°21 | 24°28 | n.a. | F 9 |
| S 10 | 12 3 28 | 2° 0'50 | 4♉36 | 10°36 | 6°42 | 10°48 | 25°27 | 11°20 | 4° 3 | 15°26 | 9°58 | 13°35 | 12°17 | 24°35 | n.a. | S 10 |
| S 11 | 12 7 25 | 2°58'14 | 18°34 | 12°12 | 7°52 | 11°29 | 25°28 | 11°16 | 4° 5 | 15°24 | 9°58 | 13°28 | 12°14 | 24°42 | n.a. | S 11 |
| M12 | 12 11 22 | 3°55'36 | 2♊ 4 | 13°50 | 9° 3 | 12° 9 | 25°28 | 11°12 | 4° 7 | 15°23 | 9°58 | 13°23 | 12°11 | 24°48 | n.a. | M12 |
| T 13 | 12 15 18 | 4°52'56 | 15° 7 | 15°31 | 10°14 | 12°50 | 25°29 | 11° 8 | 4°10 | 15°21 | 9°58 | 13°19 | 12° 8 | 24°55 | n.a. | T 13 |
| W14 | 12 19 15 | 5°50'15 | 27°46 | 17°14 | 11°24 | 13°30 | 25°29 | 11° 5 | 4°12 | 15°20 | 9°58 | 13°17 | 12° 5 | 25° 2 | n.a. | W14 |
| T 15 | 12 23 11 | 6°47'33 | 10♋ 5 | 18°59 | 12°35 | 14°10 | 25°30 | 11° 1 | 4°14 | 15°18 | 9°58 | 13°D17 | 12° 2 | 25° 8 | n.a. | T 15 |
| F 16 | 12 27 8 | 7°44'50 | 22° 8 | 20°47 | 13°45 | 14°51 | 25°32 | 10°57 | 4°17 | 15°17 | 9°59 | 13°17 | 11°58 | 25°15 | n.a. | F 16 |
| S 17 | 12 31 4 | 8°42'06 | 4♌ 1 | 22°37 | 14°55 | 15°31 | 25°33 | 10°53 | 4°19 | 15°15 | 9°59 | 13°18 | 11°55 | 25°22 | n.a. | S 17 |
| S 18 | 12 35 1 | 9°39'20 | 15°48 | 24°29 | 16° 5 | 16°11 | 25°34 | 10°50 | 4°22 | 15°14 | 9°59 | 13°R19 | 11°52 | 25°28 | n.a. | S 18 |
| M19 | 12 38 57 | 10°36'33 | 27°36 | 26°23 | 17°16 | 16°52 | 25°36 | 10°46 | 4°24 | 15°12 | 9°59 | 13°18 | 11°49 | 25°35 | n.a. | M19 |
| T 20 | 12 42 54 | 11°33'45 | 9♍27 | 28°20 | 18°26 | 17°32 | 25°38 | 10°43 | 4°27 | 15°11 | 10° 0 | 13°14 | 11°46 | 25°41 | n.a. | T 20 |
| W21 | 12 46 51 | 12°30'56 | 21°25 | 0♈19 | 19°35 | 18°12 | 25°40 | 10°39 | 4°29 | 15°10 | 10° 0 | 13° 9 | 11°43 | 25°48 | n.a. | W21 |
| T 22 | 12 50 47 | 13°28'06 | 3♎32 | 2°19 | 20°45 | 18°52 | 25°42 | 10°36 | 4°32 | 15° 8 | 10° 1 | 13° 1 | 11°39 | 25°55 | n.a. | T 22 |
| F 23 | 12 54 44 | 14°25'15 | 15°51 | 4°22 | 21°55 | 19°32 | 25°45 | 10°32 | 4°34 | 15° 7 | 10° 1 | 12°51 | 11°36 | 26° 1 | n.a. | F 23 |
| S 24 | 12 58 40 | 15°22'24 | 28°22 | 6°26 | 23° 5 | 20°12 | 25°47 | 10°29 | 4°37 | 15° 5 | 10° 1 | 12°40 | 11°33 | 26° 8 | n.a. | S 24 |
| S 25 | 13 2 37 | 16°19'32 | 11♏ 5 | 8°32 | 24°14 | 20°52 | 25°50 | 10°26 | 4°40 | 15° 4 | 10° 2 | 12°29 | 11°30 | 26°15 | n.a. | S 25 |
| M26 | 13 6 33 | 17°16'39 | 24° 0 | 10°40 | 25°24 | 21°32 | 25°53 | 10°23 | 4°42 | 15° 3 | 10° 2 | 12°19 | 11°27 | 26°21 | n.a. | M26 |
| T 27 | 13 10 30 | 18°13'46 | 7♐ 8 | 12°48 | 26°33 | 22°12 | 25°56 | 10°20 | 4°45 | 15° 2 | 10° 3 | 12°11 | 11°23 | 26°28 | n.a. | T 27 |
| W28 | 13 14 27 | 19°10'53 | 20°27 | 14°58 | 27°42 | 22°52 | 25°59 | 10°17 | 4°48 | 15° 0 | 10° 4 | 12° 6 | 11°20 | 26°35 | n.a. | W28 |
| T 29 | 13 18 23 | 20° 8'00 | 4♑ 0 | 17° 9 | 28°52 | 23°32 | 26° 2 | 10°14 | 4°51 | 14°59 | 10° 4 | 12° 3 | 11°17 | 26°41 | n.a. | T 29 |
| F 30 | 13 22 20 | 21♈ 5'06 | 17♑45 | 19♈20 | 0♊ 1 | 24♈12 | 26♋ 6 | 10♍11 | 4♊54 | 14♍58 | 10♋ 5 | 12°D 2 | 11♒14 | 26♌48 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s41 | 27s46 | 4s 0 | 15s 0 | 2s45 | 11n13 | 1n 2 | 1n47 | 0s 8 | 22n59 | 1n33 | 9n52 | 2n53 | 21n30 | 0n10 | 7n44 | 2n 9 | 35n58 | 12n28 | 16s58 | 17s19 | 13n 1 | | n.a. |
| F 2 | 2 17 | 26 49 | 3 6 | 14 34 | 2 46 | 11 42 | 1 5 | 2 4 | 0 7 | 22 59 | 1 33 | 9 54 | 2 53 | 21 30 | 0 10 | 7 45 | 2 9 | 35 57 | 12 27 | 16 58 | 17 20 | 12 58 | | n.a. |
| S 3 | 1 54 | 24 8 | 1 59 | 14 7 | 2 47 | 12 10 | 1 8 | 2 21 | 0 7 | 22 59 | 1 33 | 9 55 | 2 53 | 21 31 | 0 10 | 7 46 | 2 9 | 35 57 | 12 27 | 16 58 | 17 21 | 12 55 | | n.a. |
| S 4 | 1 31 | 19 53 | 0 44 | 13 37 | 2 46 | 12 39 | 1 10 | 2 38 | 0 6 | 22 59 | 1 33 | 9 57 | 2 53 | 21 31 | 0 10 | 7 46 | 2 9 | 35 57 | 12 27 | 16 57 | 17 22 | 12 52 | | n.a. |
| M 5 | 1 7 | 14 20 | 0n36 | 13 6 | 2 46 | 13 7 | 1 13 | 2 55 | 0 6 | 22 59 | 1 32 | 9 59 | 2 53 | 21 31 | 0 10 | 7 47 | 2 9 | 35 57 | 12 26 | 16 57 | 17 23 | 12 49 | | n.a. |
| T 6 | 0 44 | 7 54 | 1 54 | 12 34 | 2 44 | 13 35 | 1 16 | 3 12 | 0 5 | 22 59 | 1 32 | 10 0 | 2 53 | 21 32 | 0 10 | 7 47 | 2 9 | 35 56 | 12 26 | 16 58 | 17 24 | 12 46 | | n.a. |
| W 7 | 0 21 | 1 0 | 3 5 | 11 59 | 2 42 | 14 2 | 1 19 | 3 29 | 0 4 | 22 59 | 1 32 | 10 2 | 2 53 | 21 32 | 0 10 | 7 48 | 2 9 | 35 56 | 12 26 | 16 59 | 17 25 | 12 43 | | n.a. |
| T 8 | 0n 2 | 5n55 | 4 2 | 11 23 | 2 39 | 14 30 | 1 21 | 3 46 | 0 4 | 22 59 | 1 32 | 10 3 | 2 53 | 21 33 | 0 10 | 7 49 | 2 9 | 35 56 | 12 26 | 17 1 | 17 26 | 12 40 | | n.a. |
| F 9 | 0 26 | 12 24 | 4 43 | 10 45 | 2 36 | 14 57 | 1 24 | 4 2 | 0 3 | 22 59 | 1 32 | 10 5 | 2 53 | 21 33 | 0 10 | 7 49 | 2 9 | 35 55 | 12 25 | 17 3 | 17 27 | 12 37 | | n.a. |
| S 10 | 0 49 | 18 4 | 5 4 | 10 5 | 2 32 | 15 23 | 1 27 | 4 19 | 0 3 | 22 59 | 1 31 | 10 6 | 2 52 | 21 33 | 0 10 | 7 50 | 2 9 | 35 55 | 12 25 | 17 5 | 17 27 | 12 34 | | n.a. |
| S 11 | 1 12 | 22 36 | 5 7 | 9 23 | 2 27 | 15 49 | 1 29 | 4 36 | 0 2 | 22 58 | 1 31 | 10 8 | 2 52 | 21 34 | 0 10 | 7 50 | 2 9 | 35 55 | 12 25 | 17 7 | 17 28 | 12 31 | | n.a. |
| M12 | 1 35 | 25 45 | 4 52 | 8 40 | 2 22 | 16 15 | 1 32 | 4 53 | 0 1 | 22 58 | 1 31 | 10 9 | 2 52 | 21 34 | 0 10 | 7 51 | 2 9 | 35 54 | 12 24 | 17 9 | 17 29 | 12 27 | | n.a. |
| T 13 | 1 59 | 27 25 | 4 22 | 7 55 | 2 17 | 16 40 | 1 34 | 5 9 | 0 1 | 22 58 | 1 31 | 10 11 | 2 52 | 21 35 | 0 10 | 7 52 | 2 9 | 35 54 | 12 24 | 17 10 | 17 30 | 12 24 | | n.a. |
| W14 | 2 22 | 27 35 | 3 40 | 7 8 | 2 10 | 17 5 | 1 37 | 5 26 | 0 0 | 22 57 | 1 30 | 10 12 | 2 52 | 21 35 | 0 10 | 7 52 | 2 9 | 35 54 | 12 24 | 17 10 | 17 31 | 12 21 | | n.a. |
| T 15 | 2 45 | 26 21 | 2 49 | 6 20 | 2 4 | 17 30 | 1 39 | 5 42 | 0n 0 | 22 57 | 1 30 | 10 13 | 2 52 | 21 36 | 0 10 | 7 53 | 2 9 | 35 53 | 12 23 | 17 10 | 17 32 | 12 18 | | n.a. |
| F 16 | 3 8 | 23 54 | 1 51 | 5 30 | 1 56 | 17 54 | 1 41 | 5 59 | 0 1 | 22 56 | 1 30 | 10 15 | 2 52 | 21 36 | 0 10 | 7 53 | 2 9 | 35 53 | 12 23 | 17 10 | 17 33 | 12 15 | | n.a. |
| S 17 | 3 31 | 20 27 | 0 50 | 4 39 | 1 49 | 18 17 | 1 44 | 6 15 | 0 2 | 22 56 | 1 30 | 10 16 | 2 52 | 21 36 | 0 10 | 7 54 | 2 9 | 35 53 | 12 23 | 17 10 | 17 34 | 12 12 | | n.a. |
| S 18 | 3 54 | 16 13 | 0s13 | 3 46 | 1 40 | 18 40 | 1 46 | 6 32 | 0 2 | 22 56 | 1 30 | 10 17 | 2 52 | 21 37 | 0 10 | 7 54 | 2 9 | 35 53 | 12 23 | 17 10 | 17 35 | 12 9 | | n.a. |
| M19 | 4 17 | 11 22 | 1 16 | 2 52 | 1 32 | 19 3 | 1 48 | 6 48 | 0 3 | 22 55 | 1 29 | 10 19 | 2 51 | 21 37 | 0 10 | 7 55 | 2 9 | 35 52 | 12 22 | 17 10 | 17 36 | 12 6 | | n.a. |
| T 20 | 4 40 | 6 6 | 2 15 | 1 56 | 1 23 | 19 25 | 1 50 | 7 4 | 0 3 | 22 54 | 1 29 | 10 20 | 2 51 | 21 38 | 0 10 | 7 55 | 2 9 | 35 52 | 12 22 | 17 11 | 17 36 | 12 3 | | n.a. |
| W21 | 5 2 | 0 35 | 3 9 | 0 59 | 1 13 | 19 47 | 1 52 | 7 20 | 0 4 | 22 54 | 1 29 | 10 21 | 2 51 | 21 38 | 0 10 | 7 56 | 2 9 | 35 52 | 12 22 | 17 13 | 17 37 | 12 0 | | n.a. |
| T 22 | 5 25 | 5s 1 | 3 55 | 0 1 | 1 3 | 20 8 | 1 54 | 7 36 | 0 5 | 22 53 | 1 29 | 10 22 | 2 51 | 21 39 | 0 10 | 7 56 | 2 9 | 35 51 | 12 21 | 17 15 | 17 38 | 11 57 | | n.a. |
| F 23 | 5 48 | 10 30 | 4 31 | 0n57 | 0 53 | 20 29 | 1 56 | 7 52 | 0 5 | 22 53 | 1 29 | 10 23 | 2 51 | 21 39 | 0 10 | 7 57 | 2 9 | 35 51 | 12 21 | 17 18 | 17 39 | 11 54 | | n.a. |
| S 24 | 6 10 | 15 40 | 4 54 | 1 57 | 0 43 | 20 49 | 1 58 | 8 8 | 0 6 | 22 52 | 1 28 | 10 24 | 2 51 | 21 40 | 0 10 | 7 58 | 2 9 | 35 51 | 12 21 | 17 21 | 17 40 | 11 51 | | n.a. |
| S 25 | 6 33 | 20 14 | 5 3 | 2 57 | 0 32 | 21 9 | 2 0 | 8 24 | 0 6 | 22 51 | 1 28 | 10 26 | 2 50 | 21 40 | 0 10 | 7 58 | 2 9 | 35 50 | 12 20 | 17 24 | 17 41 | 11 47 | | n.a. |
| M26 | 6 55 | 23 56 | 4 57 | 3 58 | 0 22 | 21 28 | 2 2 | 8 40 | 0 7 | 22 50 | 1 28 | 10 27 | 2 50 | 21 41 | 0 10 | 7 58 | 2 9 | 35 50 | 12 20 | 17 27 | 17 42 | 11 44 | | n.a. |
| T 27 | 7 17 | 26 28 | 4 35 | 4 59 | 0 11 | 21 46 | 2 3 | 8 56 | 0 7 | 22 50 | 1 28 | 10 28 | 2 50 | 21 41 | 0 10 | 7 59 | 2 9 | 35 50 | 12 20 | 17 29 | 17 43 | 11 41 | | n.a. |
| W28 | 7 39 | 27 32 | 3 59 | 6 0 | 0 0 | 22 4 | 2 5 | 9 11 | 0 8 | 22 49 | 1 28 | 10 29 | 2 50 | 21 42 | 0 10 | 7 59 | 2 8 | 35 49 | 12 20 | 17 31 | 17 44 | 11 38 | | n.a. |
| T 29 | 8 1 | 26 59 | 3 8 | 7 1 | 0n10 | 22 22 | 2 6 | 9 27 | 0 9 | 22 48 | 1 27 | 10 30 | 2 50 | 21 42 | 0 10 | 8 0 | 2 8 | 35 49 | 12 19 | 17 32 | 17 45 | 11 35 | | n.a. |
| F 30 | 8n23 | 24s47 | 2s 5 | 8n 2 | 0n21 | 22n39 | 2n 8 | 9n43 | 0n 9 | 22n47 | 1n27 | 10n30 | 2n50 | 21n43 | 0n10 | 8n 0 | 2n 8 | 35n48 | 12n19 | 17s32 | 17s45 | 11n32 | | n.a. |

Julian Day Number = 993204.5, Delta T = 13h00m00s
Ecliptic obliquity = 23°55'32, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'39, Lahiri = -31°26'38 Julian Calendar 1 Apr. 1994 BCE == Greg. Calendar 15 March 1994 BCE


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## MAY 1994 BCE (-1993) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 26 16 | 22♈ 2'12 | 1♒44 | 21♈31 | 1♊10 | 24♈52 | 26♋10 | 10°R 8 | 4♊57 | 14°R57 | 10♋ 5 | 12♒ 2 | 11♒11 | 26♌55 | n.a. | S 1 |
| S 2 | 13 30 13 | 22°59'17 | 15°56 | 23°43 | 2°19 | 25°31 | 26°14 | 10♍ 6 | 5° 0 | 14♍55 | 10° 6 | 12°R 2 | 11° 8 | 27° 1 | n.a. | S 2 |
| M 3 | 13 34 9 | 23°56'23 | 0♓21 | 25°54 | 3°28 | 26°11 | 26°18 | 10° 3 | 5° 3 | 14°54 | 10° 7 | 12° 1 | 11° 4 | 27° 8 | n.a. | M 3 |
| T 4 | 13 38 6 | 24°53'28 | 14°55 | 28° 4 | 4°36 | 26°51 | 26°22 | 10° 0 | 5° 6 | 14°53 | 10° 8 | 11°58 | 11° 1 | 27°15 | n.a. | T 4 |
| W 5 | 13 42 2 | 25°50'33 | 29°34 | 0♉14 | 5°45 | 27°31 | 26°26 | 9°58 | 5° 9 | 14°52 | 10° 8 | 11°52 | 10°58 | 27°21 | n.a. | W 5 |
| T 6 | 13 45 59 | 26°47'38 | 14♈11 | 2°23 | 6°53 | 28°10 | 26°31 | 9°56 | 5°12 | 14°51 | 10° 9 | 11°43 | 10°55 | 27°28 | n.a. | T 6 |
| F 7 | 13 49 56 | 27°44'43 | 28°39 | 4°31 | 8° 2 | 28°50 | 26°36 | 9°53 | 5°15 | 14°50 | 10°10 | 11°33 | 10°52 | 27°35 | n.a. | F 7 |
| S 8 | 13 53 52 | 28°41'47 | 12♉52 | 6°37 | 9°10 | 29°30 | 26°40 | 9°51 | 5°18 | 14°49 | 10°11 | 11°22 | 10°49 | 27°41 | n.a. | S 8 |
| S 9 | 13 57 49 | 29°38'52 | 26°44 | 8°42 | 10°18 | 0♉ 9 | 26°45 | 9°49 | 5°21 | 14°47 | 10°12 | 11°11 | 10°45 | 27°48 | n.a. | S 9 |
| M10 | 14 1 45 | 0♉35'56 | 10♊11 | 10°45 | 11°26 | 0°49 | 26°51 | 9°47 | 5°24 | 14°46 | 10°13 | 11° 2 | 10°42 | 27°55 | n.a. | M10 |
| T 11 | 14 5 42 | 1°32'59 | 23°14 | 12°46 | 12°34 | 1°28 | 26°56 | 9°45 | 5°27 | 14°45 | 10°13 | 10°55 | 10°39 | 28° 1 | n.a. | T 11 |
| W12 | 14 9 38 | 2°30'03 | 5♋54 | 14°45 | 13°42 | 2° 8 | 27° 1 | 9°43 | 5°31 | 14°45 | 10°14 | 10°50 | 10°36 | 28° 8 | n.a. | W12 |
| T 13 | 14 13 35 | 3°27'06 | 18°13 | 16°43 | 14°50 | 2°47 | 27° 7 | 9°41 | 5°34 | 14°44 | 10°15 | 10°48 | 10°33 | 28°14 | n.a. | T 13 |
| F 14 | 14 17 32 | 4°24'08 | 0♌17 | 18°38 | 15°57 | 3°27 | 27°13 | 9°40 | 5°37 | 14°43 | 10°16 | 10°47 | 10°29 | 28°21 | n.a. | F 14 |
| S 15 | 14 21 28 | 5°21'11 | 12°10 | 20°31 | 17° 5 | 4° 6 | 27°19 | 9°38 | 5°40 | 14°42 | 10°18 | 10°47 | 10°26 | 28°28 | n.a. | S 15 |
| S 16 | 14 25 25 | 6°18'13 | 23°59 | 22°23 | 18°12 | 4°45 | 27°25 | 9°37 | 5°44 | 14°41 | 10°19 | 10°47 | 10°23 | 28°34 | n.a. | S 16 |
| M17 | 14 29 21 | 7°15'14 | 5♍48 | 24°12 | 19°19 | 5°25 | 27°31 | 9°35 | 5°47 | 14°40 | 10°20 | 10°45 | 10°20 | 28°41 | n.a. | M17 |
| T 18 | 14 33 18 | 8°12'16 | 17°43 | 25°59 | 20°26 | 6° 4 | 27°37 | 9°34 | 5°51 | 14°39 | 10°21 | 10°41 | 10°17 | 28°48 | n.a. | T 18 |
| W19 | 14 37 14 | 9° 9'17 | 29°47 | 27°45 | 21°33 | 6°43 | 27°44 | 9°33 | 5°54 | 14°38 | 10°22 | 10°34 | 10°14 | 28°54 | n.a. | W19 |
| T 20 | 14 41 11 | 10° 6'19 | 12♎ 4 | 29°28 | 22°39 | 7°23 | 27°50 | 9°32 | 5°57 | 14°38 | 10°23 | 10°25 | 10°10 | 29° 1 | n.a. | T 20 |
| F 21 | 14 45 7 | 11° 3'21 | 24°36 | 1♏ 8 | 23°46 | 8° 2 | 27°57 | 9°31 | 6° 1 | 14°37 | 10°24 | 10°14 | 10° 7 | 29° 8 | n.a. | F 21 |
| S 22 | 14 49 4 | 12° 0'22 | 7♏23 | 2°47 | 24°52 | 8°41 | 28° 4 | 9°30 | 6° 4 | 14°36 | 10°25 | 10° 1 | 10° 4 | 29°14 | n.a. | S 22 |
| S 23 | 14 53 1 | 12°57'24 | 20°26 | 4°24 | 25°58 | 9°20 | 28°11 | 9°29 | 6° 8 | 14°36 | 10°27 | 9°49 | 10° 1 | 29°21 | n.a. | S 23 |
| M24 | 14 56 57 | 13°54'27 | 3♐43 | 5°59 | 27° 4 | 9°59 | 28°18 | 9°28 | 6°11 | 14°35 | 10°28 | 9°37 | 9°58 | 29°28 | n.a. | M24 |
| T 25 | 15 0 54 | 14°51'30 | 17°12 | 7°31 | 28°10 | 10°38 | 28°25 | 9°27 | 6°15 | 14°34 | 10°29 | 9°28 | 9°54 | 29°34 | n.a. | T 25 |
| W26 | 15 4 50 | 15°48'33 | 0♑51 | 9° 1 | 29°16 | 11°17 | 28°32 | 9°27 | 6°18 | 14°34 | 10°31 | 9°21 | 9°51 | 29°41 | n.a. | W26 |
| T 27 | 15 8 47 | 16°45'37 | 14°39 | 10°30 | 0♋21 | 11°57 | 28°40 | 9°26 | 6°22 | 14°33 | 10°32 | 9°17 | 9°48 | 29°48 | n.a. | T 27 |
| F 28 | 15 12 43 | 17°42'42 | 28°34 | 11°56 | 1°27 | 12°36 | 28°48 | 9°26 | 6°25 | 14°33 | 10°33 | 9°16 | 9°45 | 29°54 | n.a. | F 28 |
| S 29 | 15 16 40 | 18°39'47 | 12♒35 | 13°20 | 2°32 | 13°15 | 28°55 | 9°26 | 6°29 | 14°32 | 10°35 | 9°15 | 9°42 | 0♍ 1 | n.a. | S 29 |
| S 30 | 15 20 37 | 19°36'53 | 26°42 | 14°41 | 3°37 | 13°54 | 29° 3 | 9°25 | 6°32 | 14°32 | 10°36 | 9°15 | 9°39 | 0° 8 | n.a. | S 30 |
| M31 | 15 24 33 | 20♉34'00 | 10♓53 | 16♊ 0 | 4♋42 | 14♉33 | 29♋11 | 9♍25 | 6♊36 | 14♍31 | 10♋37 | 9♒14 | 9♒35 | 0♍14 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 8n45 | 21s 4 | 0s55 | 9n 2 | 0n31 | 22n55 | 2n 9 | 9n58 | 0n10 | 22n46 | 1n27 | 10n31 | 2n49 | 21n44 | 0n10 | 8n 1 | 2n 8 | 35n48 | 12n19 | 17s32 | 17s46 | 11n29 | | n.a. | S 1 |
| S 2 | 9 7 | 16 3 | 0n21 | 10 1 | 0 41 | 23 11 | 2 11 | 10 13 | 0 10 | 22 45 | 1 27 | 10 32 | 2 49 | 21 44 | 0 10 | 8 1 | 2 8 | 35 48 | 12 18 | 17 32 | 17 47 | 11 26 | | n.a. | S 2 |
| M 3 | 9 28 | 10 5 | 1 36 | 10 59 | 0 50 | 23 26 | 2 12 | 10 29 | 0 11 | 22 44 | 1 27 | 10 33 | 2 49 | 21 45 | 0 10 | 8 2 | 2 8 | 35 47 | 12 18 | 17 32 | 17 48 | 11 23 | | n.a. | M 3 |
| T 4 | 9 50 | 3 32 | 2 45 | 11 55 | 0 59 | 23 40 | 2 13 | 10 44 | 0 11 | 22 43 | 1 26 | 10 34 | 2 49 | 21 45 | 0 10 | 8 2 | 2 8 | 35 47 | 12 18 | 17 33 | 17 49 | 11 19 | | n.a. | T 4 |
| W 5 | 10 11 | 3n14 | 3 44 | 12 50 | 1 8 | 23 54 | 2 14 | 10 59 | 0 12 | 22 42 | 1 26 | 10 35 | 2 49 | 21 46 | 0 10 | 8 3 | 2 8 | 35 47 | 12 17 | 17 35 | 17 50 | 11 16 | | n.a. | W 5 |
| T 6 | 10 32 | 9 48 | 4 28 | 13 44 | 1 16 | 24 7 | 2 15 | 11 14 | 0 13 | 22 41 | 1 26 | 10 35 | 2 48 | 21 46 | 0 10 | 8 3 | 2 8 | 35 46 | 12 17 | 17 37 | 17 51 | 11 13 | | n.a. | T 6 |
| F 7 | 10 53 | 15 46 | 4 54 | 14 36 | 1 24 | 24 19 | 2 16 | 11 29 | 0 13 | 22 40 | 1 26 | 10 36 | 2 48 | 21 47 | 0 10 | 8 3 | 2 8 | 35 46 | 12 17 | 17 40 | 17 52 | 11 10 | | n.a. | F 7 |
| S 8 | 11 14 | 20 47 | 5 1 | 15 25 | 1 31 | 24 31 | 2 16 | 11 44 | 0 14 | 22 39 | 1 26 | 10 37 | 2 48 | 21 47 | 0 10 | 8 4 | 2 8 | 35 46 | 12 17 | 17 43 | 17 53 | 11 7 | | n.a. | S 8 |
| S 9 | 11 34 | 24 31 | 4 51 | 16 13 | 1 37 | 24 42 | 2 17 | 11 59 | 0 14 | 22 37 | 1 25 | 10 37 | 2 48 | 21 48 | 0 11 | 8 4 | 2 8 | 35 45 | 12 16 | 17 46 | 17 53 | 11 4 | | n.a. | S 9 |
| M10 | 11 55 | 26 46 | 4 24 | 16 58 | 1 43 | 24 53 | 2 18 | 12 13 | 0 15 | 22 36 | 1 25 | 10 38 | 2 48 | 21 49 | 0 11 | 8 4 | 2 8 | 35 45 | 12 16 | 17 49 | 17 54 | 11 1 | | n.a. | M10 |
| T 11 | 12 15 | 27 28 | 3 44 | 17 41 | 1 48 | 25 3 | 2 18 | 12 28 | 0 15 | 22 35 | 1 25 | 10 38 | 2 47 | 21 49 | 0 11 | 8 5 | 2 8 | 35 45 | 12 16 | 17 51 | 17 55 | 10 58 | | n.a. | T 11 |
| W12 | 12 35 | 26 41 | 2 54 | 18 22 | 1 52 | 25 12 | 2 18 | 12 42 | 0 16 | 22 34 | 1 25 | 10 39 | 2 47 | 21 50 | 0 11 | 8 5 | 2 8 | 35 44 | 12 16 | 17 52 | 17 56 | 10 55 | | n.a. | W12 |
| T 13 | 12 55 | 24 35 | 1 57 | 19 1 | 1 56 | 25 20 | 2 19 | 12 57 | 0 17 | 22 32 | 1 25 | 10 39 | 2 47 | 21 50 | 0 11 | 8 5 | 2 8 | 35 44 | 12 15 | 17 53 | 17 57 | 10 51 | | n.a. | T 13 |
| F 14 | 13 15 | 21 24 | 0 55 | 19 37 | 1 59 | 25 28 | 2 19 | 13 11 | 0 17 | 22 31 | 1 24 | 10 40 | 2 47 | 21 51 | 0 11 | 8 6 | 2 8 | 35 44 | 12 15 | 17 53 | 17 58 | 10 48 | | n.a. | F 14 |
| S 15 | 13 34 | 17 22 | 0s 7 | 20 11 | 2 1 | 25 35 | 2 19 | 13 25 | 0 18 | 22 30 | 1 24 | 10 40 | 2 46 | 21 52 | 0 11 | 8 6 | 2 8 | 35 43 | 12 15 | 17 53 | 17 59 | 10 45 | | n.a. | S 15 |
| S 16 | 13 54 | 12 42 | 1 9 | 20 43 | 2 3 | 25 42 | 2 19 | 13 39 | 0 18 | 22 28 | 1 24 | 10 41 | 2 46 | 21 52 | 0 11 | 8 6 | 2 8 | 35 43 | 12 15 | 17 53 | 18 0 | 10 42 | | n.a. | S 16 |
| M17 | 14 13 | 7 35 | 2 8 | 21 12 | 2 4 | 25 47 | 2 19 | 13 53 | 0 19 | 22 27 | 1 24 | 10 41 | 2 46 | 21 53 | 0 11 | 8 7 | 2 8 | 35 43 | 12 14 | 17 54 | 18 0 | 10 39 | | n.a. | M17 |
| T 18 | 14 32 | 2 10 | 3 2 | 21 39 | 2 4 | 25 52 | 2 18 | 14 7 | 0 19 | 22 25 | 1 24 | 10 41 | 2 46 | 21 53 | 0 11 | 8 7 | 2 8 | 35 42 | 12 14 | 17 55 | 18 1 | 10 36 | | n.a. | T 18 |
| W19 | 14 50 | 3s24 | 3 48 | 22 4 | 2 4 | 25 57 | 2 18 | 14 21 | 0 20 | 22 24 | 1 23 | 10 42 | 2 45 | 21 54 | 0 11 | 8 7 | 2 7 | 35 42 | 12 14 | 17 57 | 18 2 | 10 33 | | n.a. | W19 |
| T 20 | 15 9 | 8 55 | 4 25 | 22 26 | 2 3 | 26 0 | 2 17 | 14 34 | 0 20 | 22 22 | 1 23 | 10 42 | 2 45 | 21 55 | 0 11 | 8 7 | 2 7 | 35 41 | 12 13 | 17 59 | 18 3 | 10 30 | | n.a. | T 20 |
| F 21 | 15 27 | 14 11 | 4 49 | 22 47 | 2 1 | 26 3 | 2 17 | 14 48 | 0 21 | 22 21 | 1 23 | 10 42 | 2 45 | 21 55 | 0 11 | 8 8 | 2 7 | 35 41 | 12 13 | 18 2 | 18 4 | 10 26 | | n.a. | F 21 |
| S 22 | 15 45 | 18 58 | 5 0 | 23 5 | 1 59 | 26 5 | 2 16 | 15 1 | 0 22 | 22 19 | 1 23 | 10 42 | 2 45 | 21 56 | 0 11 | 8 8 | 2 7 | 35 41 | 12 13 | 18 6 | 18 5 | 10 23 | | n.a. | S 22 |
| S 23 | 16 3 | 22 57 | 4 55 | 23 21 | 1 56 | 26 7 | 2 15 | 15 15 | 0 22 | 22 18 | 1 23 | 10 42 | 2 44 | 21 56 | 0 11 | 8 8 | 2 7 | 35 40 | 12 13 | 18 9 | 18 6 | 10 20 | | n.a. | S 23 |
| M24 | 16 20 | 25 49 | 4 35 | 23 36 | 1 53 | 26 8 | 2 14 | 15 28 | 0 23 | 22 16 | 1 22 | 10 42 | 2 44 | 21 57 | 0 11 | 8 8 | 2 7 | 35 40 | 12 13 | 18 12 | 18 7 | 10 17 | | n.a. | M24 |
| T 25 | 16 37 | 27 15 | 3 58 | 23 48 | 1 49 | 26 8 | 2 13 | 15 41 | 0 23 | 22 14 | 1 22 | 10 42 | 2 44 | 21 58 | 0 11 | 8 8 | 2 7 | 35 40 | 12 12 | 18 15 | 18 7 | 10 14 | | n.a. | T 25 |
| W26 | 16 54 | 27 3 | 3 8 | 23 58 | 1 45 | 26 7 | 2 12 | 15 54 | 0 24 | 22 13 | 1 22 | 10 42 | 2 44 | 21 58 | 0 11 | 8 9 | 2 7 | 35 39 | 12 12 | 18 17 | 18 8 | 10 11 | | n.a. | W26 |
| T 27 | 17 11 | 25 12 | 2 6 | 24 7 | 1 40 | 26 6 | 2 11 | 16 7 | 0 24 | 22 11 | 1 22 | 10 42 | 2 43 | 21 59 | 0 11 | 8 9 | 2 7 | 35 39 | 12 12 | 18 18 | 18 9 | 10 8 | | n.a. | T 27 |
| F 28 | 17 27 | 21 47 | 0 56 | 24 14 | 1 34 | 26 4 | 2 9 | 16 19 | 0 25 | 22 9 | 1 22 | 10 42 | 2 43 | 22 0 | 0 11 | 8 9 | 2 7 | 35 39 | 12 12 | 18 18 | 18 10 | 10 4 | | n.a. | F 28 |
| S 29 | 17 44 | 17 6 | 0n18 | 24 19 | 1 28 | 26 2 | 2 8 | 16 32 | 0 25 | 22 7 | 1 22 | 10 42 | 2 43 | 22 0 | 0 11 | 8 9 | 2 7 | 35 38 | 12 11 | 18 18 | 18 11 | 10 1 | | n.a. | S 29 |
| S 30 | 18 0 | 11 27 | 1 31 | 24 22 | 1 21 | 25 58 | 2 6 | 16 44 | 0 26 | 22 5 | 1 21 | 10 42 | 2 43 | 22 1 | 0 11 | 8 9 | 2 7 | 35 38 | 12 11 | 18 18 | 18 12 | 9 58 | | n.a. | S 30 |
| M31 | 18n15 | 5s11 | 2n39 | 24n24 | 1n14 | 25n54 | 2n 4 | 16n57 | 0n26 | 22n 4 | 1n21 | 10n42 | 2n42 | 22n 1 | 0n11 | 8n 9 | 2n 7 | 35n38 | 12n11 | 18s18 | 18s13 | 9n55 | | n.a. | M31 |

Julian Day Number = 993234.5, Delta T = 12h59m58s
Ecliptic obliquity = 23°55'31, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'35, Lahiri = -31°26'34 Julian Calendar 1 May 1994 BCE == Greg. Calendar 14 Apr. 1994 BCE

The year -1993 astronomical counting style corresponds to year 1994 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## JUNE 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 28 30 | 21♉31'08 | 25♓ 8 | 17♊17 | 5♋46 | 15♉11 | 29♋19 | 9°D25 | 6♊39 | 14°R31 | 10♋39 | 9°R11 | 9♒32 | 0♍21 | n.a. | T 1 |
| W 2 | 15 32 26 | 22°28'17 | 9♈23 | 18°32 | 6°51 | 15°50 | 29°28 | 9♍25 | 6°43 | 14♍30 | 10°40 | 9♒ 5 | 9°29 | 0°28 | n.a. | W 2 |
| T 3 | 15 36 23 | 23°25'26 | 23°35 | 19°44 | 7°55 | 16°29 | 29°36 | 9°26 | 6°47 | 14°30 | 10°42 | 8°57 | 9°26 | 0°34 | n.a. | T 3 |
| F 4 | 15 40 19 | 24°22'37 | 7♉40 | 20°54 | 8°59 | 17° 8 | 29°44 | 9°26 | 6°50 | 14°30 | 10°43 | 8°46 | 9°23 | 0°41 | n.a. | F 4 |
| S 5 | 15 44 16 | 25°19'48 | 21°31 | 22° 1 | 10° 2 | 17°47 | 29°53 | 9°26 | 6°54 | 14°29 | 10°45 | 8°35 | 9°20 | 0°48 | n.a. | S 5 |
| S 6 | 15 48 13 | 26°17'00 | 5♊ 6 | 23° 5 | 11° 6 | 18°26 | 0♌ 2 | 9°27 | 6°58 | 14°29 | 10°46 | 8°24 | 9°16 | 0°54 | n.a. | S 6 |
| M 7 | 15 52 9 | 27°14'13 | 18°22 | 24° 7 | 12° 9 | 19° 5 | 0°10 | 9°27 | 7° 1 | 14°29 | 10°48 | 8°14 | 9°13 | 1° 1 | n.a. | M 7 |
| T 8 | 15 56 6 | 28°11'26 | 1♋17 | 25° 6 | 13°12 | 19°43 | 0°19 | 9°28 | 7° 5 | 14°29 | 10°50 | 8° 7 | 9°10 | 1° 7 | n.a. | T 8 |
| W 9 | 16 0 2 | 29° 8'41 | 13°52 | 26° 1 | 14°15 | 20°22 | 0°28 | 9°29 | 7° 9 | 14°29 | 10°51 | 8° 2 | 9° 7 | 1°14 | n.a. | W 9 |
| T 10 | 16 3 59 | 0♊ 5'55 | 26° 9 | 26°54 | 15°17 | 21° 1 | 0°37 | 9°30 | 7°12 | 14°29 | 10°53 | 8° 0 | 9° 4 | 1°21 | n.a. | T 10 |
| F 11 | 16 7 55 | 1° 3'11 | 8♌12 | 27°43 | 16°20 | 21°40 | 0°47 | 9°31 | 7°16 | 14°28 | 10°55 | 7°D59 | 9° 0 | 1°27 | n.a. | F 11 |
| S 12 | 16 11 52 | 2° 0'27 | 20° 6 | 28°29 | 17°22 | 22°18 | 0°56 | 9°32 | 7°20 | 14°28 | 10°56 | 7°59 | 8°57 | 1°34 | n.a. | S 12 |
| S 13 | 16 15 48 | 2°57'44 | 1♍55 | 29°12 | 18°23 | 22°57 | 1° 5 | 9°33 | 7°23 | 14°28 | 10°58 | 8°R 0 | 8°54 | 1°41 | n.a. | S 13 |
| M14 | 16 19 45 | 3°55'01 | 13°46 | 29°50 | 19°25 | 23°36 | 1°15 | 9°34 | 7°27 | 14°D28 | 11° 0 | 7°59 | 8°51 | 1°47 | n.a. | M14 |
| T 15 | 16 23 42 | 4°52'19 | 25°42 | 0♋25 | 20°26 | 24°14 | 1°25 | 9°35 | 7°31 | 14°28 | 11° 1 | 7°57 | 8°48 | 1°54 | n.a. | T 15 |
| W16 | 16 27 38 | 5°49'38 | 7♎50 | 0°56 | 21°26 | 24°53 | 1°34 | 9°37 | 7°34 | 14°28 | 11° 3 | 7°53 | 8°45 | 2° 1 | n.a. | W16 |
| T 17 | 16 31 35 | 6°46'58 | 20°13 | 1°22 | 22°27 | 25°31 | 1°44 | 9°38 | 7°38 | 14°29 | 11° 5 | 7°46 | 8°41 | 2° 7 | n.a. | T 17 |
| F 18 | 16 35 31 | 7°44'19 | 2♏54 | 1°44 | 23°27 | 26°10 | 1°54 | 9°40 | 7°42 | 14°29 | 11° 7 | 7°37 | 8°38 | 2°14 | n.a. | F 18 |
| S 19 | 16 39 28 | 8°41'41 | 15°54 | 2° 1 | 24°27 | 26°48 | 2° 4 | 9°42 | 7°46 | 14°29 | 11° 8 | 7°28 | 8°35 | 2°21 | n.a. | S 19 |
| S 20 | 16 43 24 | 9°39'04 | 29°15 | 2°14 | 25°26 | 27°27 | 2°14 | 9°44 | 7°49 | 14°29 | 11°10 | 7°18 | 8°32 | 2°27 | n.a. | S 20 |
| M21 | 16 47 21 | 10°36'28 | 12♐53 | 2°22 | 26°25 | 28° 5 | 2°24 | 9°46 | 7°53 | 14°29 | 11°12 | 7° 9 | 8°29 | 2°34 | n.a. | M21 |
| T 22 | 16 51 18 | 11°33'54 | 26°46 | 2°R24 | 27°24 | 28°44 | 2°34 | 9°48 | 7°57 | 14°29 | 11°14 | 7° 2 | 8°26 | 2°41 | n.a. | T 22 |
| W23 | 16 55 14 | 12°31'21 | 10♑50 | 2°21 | 28°22 | 29°22 | 2°45 | 9°50 | 8° 0 | 14°30 | 11°16 | 6°57 | 8°22 | 2°47 | n.a. | W23 |
| T 24 | 16 59 11 | 13°28'49 | 25° 1 | 2°13 | 29°20 | 0♊ 1 | 2°55 | 9°52 | 8° 4 | 14°30 | 11°17 | 6°54 | 8°19 | 2°54 | n.a. | T 24 |
| F 25 | 17 3 7 | 14°26'19 | 9♒16 | 2° 0 | 0♌17 | 0°39 | 3° 6 | 9°54 | 8° 8 | 14°30 | 11°19 | 6°D54 | 8°16 | 3° 1 | n.a. | F 25 |
| S 26 | 17 7 4 | 15°23'50 | 23°30 | 1°41 | 1°14 | 1°18 | 3°16 | 9°56 | 8°11 | 14°31 | 11°21 | 6°55 | 8°13 | 3° 7 | n.a. | S 26 |
| S 27 | 17 11 0 | 16°21'23 | 7♓43 | 1°17 | 2°11 | 1°56 | 3°27 | 9°59 | 8°15 | 14°31 | 11°23 | 6°56 | 8°10 | 3°14 | n.a. | S 27 |
| M28 | 17 14 57 | 17°18'58 | 21°52 | 0°48 | 3° 7 | 2°34 | 3°38 | 10° 1 | 8°19 | 14°32 | 11°25 | 6°R56 | 8° 6 | 3°21 | n.a. | M28 |
| T 29 | 17 18 53 | 18°16'34 | 5♈55 | 0°13 | 4° 3 | 3°13 | 3°49 | 10° 4 | 8°22 | 14°32 | 11°27 | 6°54 | 8° 3 | 3°27 | n.a. | T 29 |
| W30 | 17 22 50 | 19♊14'12 | 19♈52 | 29♊35 | 4♌58 | 3♊51 | 3♌59 | 10♍ 7 | 8♊26 | 14♍33 | 11♋29 | 6♒51 | 8♒ 0 | 3♍34 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n31 | 1n21 | 3n38 | 24n25 | 1n 7 | 25n50 | 2n 2 | 17n 9 | 0n27 | 22n 2 | 1n21 | 10n41 | 2n42 | 22n 2 | 0n11 | 8n 9 | 2n 7 | 35n37 | 12n11 | 18s19 | 18s14 | 9n52 | | n.a. |
| W 2 | 18 46 | 7 48 | 4 22 | 24 24 | 0 59 | 25 45 | 2 0 | 17 21 | 0 27 | 22 0 | 1 21 | 10 41 | 2 42 | 22 3 | 0 11 | 8 10 | 2 7 | 35 37 | 12 11 | 18 21 | 18 14 | 9 49 | | n.a. |
| T 3 | 19 0 | 13 50 | 4 51 | 24 21 | 0 50 | 25 39 | 1 58 | 17 33 | 0 28 | 21 58 | 1 21 | 10 41 | 2 42 | 22 3 | 0 11 | 8 10 | 2 7 | 35 37 | 12 10 | 18 23 | 18 15 | 9 46 | | n.a. |
| F 4 | 19 15 | 19 5 | 5 1 | 24 17 | 0 41 | 25 32 | 1 55 | 17 45 | 0 29 | 21 56 | 1 21 | 10 40 | 2 41 | 22 4 | 0 11 | 8 10 | 2 7 | 35 36 | 12 10 | 18 26 | 18 16 | 9 42 | | n.a. |
| S 5 | 19 29 | 23 14 | 4 54 | 24 12 | 0 32 | 25 25 | 1 53 | 17 57 | 0 29 | 21 54 | 1 20 | 10 40 | 2 41 | 22 5 | 0 11 | 8 10 | 2 6 | 35 36 | 12 10 | 18 29 | 18 17 | 9 39 | | n.a. |
| S 6 | 19 43 | 26 0 | 4 30 | 24 6 | 0 22 | 25 17 | 1 50 | 18 8 | 0 30 | 21 52 | 1 20 | 10 40 | 2 41 | 22 5 | 0 11 | 8 10 | 2 6 | 35 36 | 12 10 | 18 32 | 18 18 | 9 36 | | n.a. |
| M 7 | 19 56 | 27 15 | 3 52 | 23 59 | 0 12 | 25 8 | 1 48 | 18 20 | 0 30 | 21 50 | 1 20 | 10 39 | 2 41 | 22 6 | 0 11 | 8 10 | 2 6 | 35 35 | 12 10 | 18 34 | 18 19 | 9 33 | | n.a. |
| T 8 | 20 10 | 26 57 | 3 2 | 23 51 | 0 1 | 24 59 | 1 45 | 18 31 | 0 31 | 21 48 | 1 20 | 10 39 | 2 40 | 22 7 | 0 11 | 8 10 | 2 6 | 35 35 | 12 9 | 18 36 | 18 20 | 9 30 | | n.a. |
| W 9 | 20 22 | 25 15 | 2 5 | 23 42 | 0s10 | 24 50 | 1 42 | 18 42 | 0 31 | 21 45 | 1 20 | 10 38 | 2 40 | 22 7 | 0 11 | 8 10 | 2 6 | 35 35 | 12 9 | 18 38 | 18 20 | 9 27 | | n.a. |
| T 10 | 20 35 | 22 22 | 1 3 | 23 32 | 0 22 | 24 39 | 1 38 | 18 53 | 0 32 | 21 43 | 1 20 | 10 38 | 2 40 | 22 8 | 0 11 | 8 10 | 2 6 | 35 34 | 12 9 | 18 38 | 18 21 | 9 23 | | n.a. |
| F 11 | 20 47 | 18 34 | 0s 1 | 23 21 | 0 33 | 24 28 | 1 35 | 19 4 | 0 32 | 21 41 | 1 20 | 10 37 | 2 40 | 22 8 | 0 11 | 8 10 | 2 6 | 35 34 | 12 9 | 18 39 | 18 22 | 9 20 | | n.a. |
| S 12 | 20 59 | 14 4 | 1 4 | 23 9 | 0 45 | 24 17 | 1 32 | 19 15 | 0 33 | 21 39 | 1 19 | 10 36 | 2 39 | 22 9 | 0 11 | 8 10 | 2 6 | 35 34 | 12 9 | 18 38 | 18 23 | 9 17 | | n.a. |
| S 13 | 21 10 | 9 5 | 2 4 | 22 57 | 0 58 | 24 5 | 1 28 | 19 25 | 0 33 | 21 37 | 1 19 | 10 36 | 2 39 | 22 10 | 0 11 | 8 10 | 2 6 | 35 33 | 12 9 | 18 38 | 18 24 | 9 14 | | n.a. |
| M14 | 21 22 | 3 46 | 2 59 | 22 45 | 1 11 | 23 52 | 1 24 | 19 36 | 0 34 | 21 34 | 1 19 | 10 35 | 2 39 | 22 10 | 0 11 | 8 10 | 2 6 | 35 33 | 12 8 | 18 38 | 18 25 | 9 11 | | n.a. |
| T 15 | 21 32 | 1s42 | 3 46 | 22 32 | 1 23 | 23 39 | 1 20 | 19 46 | 0 34 | 21 32 | 1 19 | 10 34 | 2 39 | 22 11 | 0 11 | 8 10 | 2 6 | 35 33 | 12 8 | 18 39 | 18 26 | 9 8 | | n.a. |
| W16 | 21 43 | 7 12 | 4 24 | 22 19 | 1 36 | 23 26 | 1 16 | 19 56 | 0 35 | 21 30 | 1 19 | 10 33 | 2 38 | 22 12 | 0 11 | 8 9 | 2 6 | 35 33 | 12 8 | 18 40 | 18 26 | 9 4 | | n.a. |
| T 17 | 21 53 | 12 31 | 4 51 | 22 5 | 1 50 | 23 12 | 1 12 | 20 6 | 0 35 | 21 27 | 1 19 | 10 33 | 2 38 | 22 12 | 0 11 | 8 9 | 2 6 | 35 32 | 12 8 | 18 42 | 18 27 | 9 1 | | n.a. |
| F 18 | 22 3 | 17 27 | 5 4 | 21 52 | 2 3 | 22 57 | 1 8 | 20 16 | 0 36 | 21 25 | 1 19 | 10 32 | 2 38 | 22 13 | 0 11 | 8 9 | 2 6 | 35 32 | 12 8 | 18 44 | 18 28 | 8 58 | | n.a. |
| S 19 | 22 12 | 21 44 | 5 1 | 21 38 | 2 16 | 22 42 | 1 3 | 20 26 | 0 36 | 21 22 | 1 19 | 10 31 | 2 38 | 22 13 | 0 11 | 8 9 | 2 6 | 35 32 | 12 8 | 18 47 | 18 29 | 8 55 | | n.a. |
| S 20 | 22 21 | 24 59 | 4 43 | 21 25 | 2 30 | 22 26 | 0 58 | 20 35 | 0 37 | 21 20 | 1 18 | 10 30 | 2 37 | 22 14 | 0 11 | 8 9 | 2 5 | 35 31 | 12 8 | 18 49 | 18 30 | 8 52 | | n.a. |
| M21 | 22 29 | 26 54 | 4 8 | 21 11 | 2 43 | 22 10 | 0 54 | 20 45 | 0 37 | 21 18 | 1 18 | 10 29 | 2 37 | 22 15 | 0 11 | 8 9 | 2 5 | 35 31 | 12 8 | 18 51 | 18 31 | 8 49 | | n.a. |
| T 22 | 22 38 | 27 11 | 3 18 | 20 58 | 2 56 | 21 54 | 0 49 | 20 54 | 0 38 | 21 15 | 1 18 | 10 28 | 2 37 | 22 15 | 0 11 | 8 9 | 2 5 | 35 31 | 12 7 | 18 53 | 18 31 | 8 45 | | n.a. |
| W23 | 22 45 | 25 43 | 2 15 | 20 46 | 3 9 | 21 37 | 0 43 | 21 3 | 0 38 | 21 12 | 1 18 | 10 27 | 2 37 | 22 16 | 0 11 | 8 9 | 2 5 | 35 31 | 12 7 | 18 55 | 18 32 | 8 42 | | n.a. |
| T 24 | 22 53 | 22 36 | 1 3 | 20 34 | 3 21 | 21 20 | 0 38 | 21 12 | 0 39 | 21 10 | 1 18 | 10 26 | 2 36 | 22 17 | 0 11 | 8 8 | 2 5 | 35 30 | 12 7 | 18 55 | 18 33 | 8 39 | | n.a. |
| F 25 | 23 0 | 18 6 | 0n13 | 20 22 | 3 33 | 21 2 | 0 33 | 21 21 | 0 39 | 21 7 | 1 18 | 10 25 | 2 36 | 22 17 | 0 11 | 8 8 | 2 5 | 35 30 | 12 7 | 18 55 | 18 34 | 8 36 | | n.a. |
| S 26 | 23 6 | 12 34 | 1 28 | 20 11 | 3 44 | 20 44 | 0 27 | 21 29 | 0 40 | 21 5 | 1 18 | 10 24 | 2 36 | 22 18 | 0 11 | 8 8 | 2 5 | 35 30 | 12 7 | 18 55 | 18 35 | 8 33 | | n.a. |
| S 27 | 23 13 | 6 24 | 2 38 | 20 1 | 3 54 | 20 25 | 0 21 | 21 38 | 0 41 | 21 2 | 1 18 | 10 22 | 2 36 | 22 18 | 0 11 | 8 8 | 2 5 | 35 29 | 12 7 | 18 55 | 18 36 | 8 29 | | n.a. |
| M28 | 23 18 | 0n 2 | 3 38 | 19 52 | 4 3 | 20 6 | 0 16 | 21 46 | 0 41 | 20 59 | 1 17 | 10 21 | 2 35 | 22 19 | 0 11 | 8 7 | 2 5 | 35 29 | 12 7 | 18 55 | 18 37 | 8 26 | | n.a. |
| T 29 | 23 24 | 6 26 | 4 24 | 19 44 | 4 12 | 19 47 | 0 9 | 21 54 | 0 42 | 20 57 | 1 17 | 10 20 | 2 35 | 22 20 | 0 11 | 8 7 | 2 5 | 35 29 | 12 7 | 18 55 | 18 37 | 8 23 | | n.a. |
| W30 | 23n29 | 12n27 | 4n55 | 19n37 | 4s18 | 19n28 | 0n 3 | 22n 2 | 0n42 | 20n54 | 1n17 | 10n19 | 2n35 | 22n20 | 0n11 | 8n 7 | 2n 5 | 35n29 | 12n 7 | 18s56 | 18s38 | 8n20 | | n.a. |

Julian Day Number = 993265.5, Delta T = 12h59m55s
Ecliptic obliquity = 23°55'31, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'31, Lahiri = -31°26'30 Julian Calendar 1 June 1994 BCE == Greg. Calendar 15 May 1994 BCE


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## JULY 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 26 47 | 20♊11'52 | 3♉41 | 28°R52 | 5♌53 | 4♊29 | 4♌10 | 10♍ 9 | 8♊30 | 14♍33 | 11♋31 | 6°R46 | 7♒57 | 3♍41 | n.a. | T 1 |
| F 2 | 17 30 43 | 21° 9'34 | 17°19 | 28♊ 6 | 6°47 | 5° 8 | 4°21 | 10°12 | 8°33 | 14°34 | 11°33 | 6♒39 | 7°54 | 3°47 | n.a. | F 2 |
| S 3 | 17 34 40 | 22° 7'17 | 0♊45 | 27°18 | 7°40 | 5°46 | 4°33 | 10°15 | 8°37 | 14°34 | 11°35 | 6°31 | 7°51 | 3°54 | n.a. | S 3 |
| S 4 | 17 38 36 | 23° 5'02 | 13°57 | 26°27 | 8°33 | 6°24 | 4°44 | 10°18 | 8°41 | 14°35 | 11°37 | 6°24 | 7°47 | 4° 1 | n.a. | S 4 |
| M 5 | 17 42 33 | 24° 2'49 | 26°54 | 25°36 | 9°26 | 7° 3 | 4°55 | 10°22 | 8°44 | 14°36 | 11°38 | 6°18 | 7°44 | 4° 7 | n.a. | M 5 |
| T 6 | 17 46 29 | 25° 0'38 | 9♋34 | 24°44 | 10°18 | 7°41 | 5° 6 | 10°25 | 8°48 | 14°36 | 11°40 | 6°13 | 7°41 | 4°14 | n.a. | T 6 |
| W 7 | 17 50 26 | 25°58'28 | 21°59 | 23°54 | 11° 9 | 8°19 | 5°18 | 10°28 | 8°52 | 14°37 | 11°42 | 6°10 | 7°38 | 4°21 | n.a. | W 7 |
| T 8 | 17 54 22 | 26°56'19 | 4♌11 | 23° 5 | 11°59 | 8°57 | 5°29 | 10°31 | 8°55 | 14°38 | 11°44 | 6°D 9 | 7°35 | 4°27 | n.a. | T 8 |
| F 9 | 17 58 19 | 27°54'12 | 16°11 | 22°20 | 12°49 | 9°35 | 5°41 | 10°35 | 8°59 | 14°39 | 11°46 | 6° 9 | 7°32 | 4°34 | n.a. | F 9 |
| S 10 | 18 2 16 | 28°52'06 | 28° 3 | 21°39 | 13°39 | 10°14 | 5°52 | 10°38 | 9° 2 | 14°40 | 11°48 | 6°11 | 7°28 | 4°41 | n.a. | S 10 |
| S 11 | 18 6 12 | 29°50'02 | 9♍51 | 21° 2 | 14°27 | 10°52 | 6° 4 | 10°42 | 9° 6 | 14°40 | 11°50 | 6°13 | 7°25 | 4°47 | n.a. | S 11 |
| M12 | 18 10 9 | 0♋48'00 | 21°41 | 20°32 | 15°15 | 11°30 | 6°16 | 10°46 | 9° 9 | 14°41 | 11°53 | 6°14 | 7°22 | 4°54 | n.a. | M12 |
| T 13 | 18 14 5 | 1°45'59 | 3♎38 | 20° 8 | 16° 2 | 12° 8 | 6°28 | 10°50 | 9°13 | 14°42 | 11°55 | 6°R14 | 7°19 | 5° 1 | n.a. | T 13 |
| W14 | 18 18 2 | 2°43'59 | 15°46 | 19°51 | 16°48 | 12°46 | 6°39 | 10°53 | 9°16 | 14°43 | 11°57 | 6°13 | 7°16 | 5° 7 | n.a. | W14 |
| T 15 | 18 21 58 | 3°42'01 | 28° 9 | 19°42 | 17°33 | 13°24 | 6°51 | 10°57 | 9°20 | 14°44 | 11°59 | 6°11 | 7°12 | 5°14 | n.a. | T 15 |
| F 16 | 18 25 55 | 4°40'05 | 10♏53 | 19°D41 | 18°17 | 14° 2 | 7° 3 | 11° 1 | 9°23 | 14°45 | 12° 1 | 6° 7 | 7° 9 | 5°21 | n.a. | F 16 |
| S 17 | 18 29 51 | 5°38'10 | 23°59 | 19°48 | 19° 1 | 14°40 | 7°15 | 11° 6 | 9°27 | 14°46 | 12° 3 | 6° 3 | 7° 6 | 5°27 | n.a. | S 17 |
| S 18 | 18 33 48 | 6°36'18 | 7♐28 | 20° 3 | 19°43 | 15°18 | 7°27 | 11°10 | 9°30 | 14°47 | 12° 5 | 5°58 | 7° 3 | 5°34 | n.a. | S 18 |
| M19 | 18 37 45 | 7°34'27 | 21°21 | 20°27 | 20°25 | 15°56 | 7°39 | 11°14 | 9°33 | 14°48 | 12° 7 | 5°54 | 7° 0 | 5°41 | n.a. | M19 |
| T 20 | 18 41 41 | 8°32'37 | 5♑34 | 20°59 | 21° 5 | 16°34 | 7°52 | 11°18 | 9°37 | 14°50 | 12° 9 | 5°51 | 6°57 | 5°47 | n.a. | T 20 |
| W21 | 18 45 38 | 9°30'50 | 20° 2 | 21°39 | 21°44 | 17°12 | 8° 4 | 11°23 | 9°40 | 14°51 | 12°11 | 5°49 | 6°53 | 5°54 | n.a. | W21 |
| T 22 | 18 49 34 | 10°29'05 | 4♒39 | 22°27 | 22°22 | 17°50 | 8°16 | 11°27 | 9°43 | 14°52 | 12°13 | 5°D48 | 6°50 | 6° 1 | n.a. | T 22 |
| F 23 | 18 53 31 | 11°27'21 | 19°19 | 23°22 | 22°59 | 18°28 | 8°28 | 11°32 | 9°47 | 14°53 | 12°15 | 5°49 | 6°47 | 6° 7 | n.a. | F 23 |
| S 24 | 18 57 27 | 12°25'40 | 3♓55 | 24°25 | 23°35 | 19° 6 | 8°41 | 11°36 | 9°50 | 14°54 | 12°17 | 5°50 | 6°44 | 6°14 | n.a. | S 24 |
| S 25 | 19 1 24 | 13°24'01 | 18°24 | 25°35 | 24°10 | 19°44 | 8°53 | 11°41 | 9°53 | 14°56 | 12°19 | 5°51 | 6°41 | 6°21 | n.a. | S 25 |
| M26 | 19 5 20 | 14°22'25 | 2♈42 | 26°50 | 24°43 | 20°22 | 9° 5 | 11°46 | 9°56 | 14°57 | 12°21 | 5°52 | 6°38 | 6°27 | n.a. | M26 |
| T 27 | 19 9 17 | 15°20'50 | 16°45 | 28°12 | 25°15 | 21° 0 | 9°18 | 11°51 | 10° 0 | 14°58 | 12°23 | 5°R53 | 6°34 | 6°34 | n.a. | T 27 |
| W28 | 19 13 14 | 16°19'19 | 0♉33 | 29°39 | 25°45 | 21°38 | 9°30 | 11°55 | 10° 3 | 15° 0 | 12°25 | 5°52 | 6°31 | 6°41 | n.a. | W28 |
| T 29 | 19 17 10 | 17°17'49 | 14° 6 | 1♋10 | 26°14 | 22°16 | 9°43 | 12° 0 | 10° 6 | 15° 1 | 12°27 | 5°51 | 6°28 | 6°47 | n.a. | T 29 |
| F 30 | 19 21 7 | 18°16'22 | 27°24 | 2°46 | 26°42 | 22°54 | 9°56 | 12° 5 | 10° 9 | 15° 2 | 12°29 | 5°48 | 6°25 | 6°54 | n.a. | F 30 |
| S 31 | 19 25 3 | 19♋14'57 | 10♊27 | 4♋25 | 27♌ 8 | 23♊31 | 10♌ 8 | 12♍10 | 10♊12 | 15♍ 4 | 12♋31 | 5♒46 | 6♒22 | 7♍ 1 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 23n33 | 17n48 | 5n 8 | 19n31 | 4s24 | 19n 8 | 0s 3 | 22n10 | 0n43 | 20n51 | 1n17 | 10n17 | 2n35 | 22n21 | 0n11 | 8n 7 | 2n 5 | 35n28 | 12n 7 | 18s58 | 18s39 | 8n17 | | n.a. |
| F 2 | 23 37 | 22 10 | 5 3 | 19 27 | 4 28 | 18 48 | 0 10 | 22 18 | 0 43 | 20 48 | 1 17 | 10 16 | 2 34 | 22 21 | 0 11 | 8 6 | 2 5 | 35 28 | 12 7 | 18 59 | 18 40 | 8 14 | | n.a. |
| S 3 | 23 41 | 25 18 | 4 41 | 19 24 | 4 30 | 18 28 | 0 16 | 22 25 | 0 44 | 20 45 | 1 17 | 10 15 | 2 34 | 22 22 | 0 11 | 8 6 | 2 5 | 35 28 | 12 7 | 19 1 | 18 41 | 8 10 | | n.a. |
| S 4 | 23 44 | 26 59 | 4 5 | 19 22 | 4 31 | 18 7 | 0 23 | 22 32 | 0 44 | 20 43 | 1 17 | 10 13 | 2 34 | 22 23 | 0 11 | 8 6 | 2 5 | 35 28 | 12 7 | 19 3 | 18 42 | 8 7 | | n.a. |
| M 5 | 23 47 | 27 10 | 3 17 | 19 22 | 4 29 | 17 46 | 0 30 | 22 39 | 0 45 | 20 40 | 1 17 | 10 12 | 2 34 | 22 23 | 0 11 | 8 5 | 2 4 | 35 27 | 12 7 | 19 5 | 18 42 | 8 4 | | n.a. |
| T 6 | 23 50 | 25 53 | 2 19 | 19 23 | 4 26 | 17 25 | 0 37 | 22 46 | 0 45 | 20 37 | 1 17 | 10 10 | 2 33 | 22 24 | 0 11 | 8 5 | 2 4 | 35 27 | 12 6 | 19 6 | 18 43 | 8 1 | | n.a. |
| W 7 | 23 52 | 23 21 | 1 16 | 19 26 | 4 21 | 17 4 | 0 45 | 22 53 | 0 46 | 20 34 | 1 17 | 10 9 | 2 33 | 22 24 | 0 11 | 8 5 | 2 4 | 35 27 | 12 6 | 19 7 | 18 44 | 7 58 | | n.a. |
| T 8 | 23 53 | 19 47 | 0 11 | 19 31 | 4 14 | 16 42 | 0 52 | 23 0 | 0 46 | 20 31 | 1 17 | 10 7 | 2 33 | 22 25 | 0 11 | 8 4 | 2 4 | 35 27 | 12 6 | 19 7 | 18 45 | 7 54 | | n.a. |
| F 9 | 23 54 | 15 27 | 0s54 | 19 37 | 4 5 | 16 21 | 1 0 | 23 6 | 0 47 | 20 28 | 1 16 | 10 6 | 2 33 | 22 26 | 0 11 | 8 4 | 2 4 | 35 27 | 12 6 | 19 7 | 18 46 | 7 51 | | n.a. |
| S 10 | 23 55 | 10 34 | 1 57 | 19 45 | 3 55 | 15 59 | 1 8 | 23 13 | 0 47 | 20 25 | 1 16 | 10 4 | 2 33 | 22 26 | 0 11 | 8 4 | 2 4 | 35 26 | 12 6 | 19 6 | 18 47 | 7 48 | | n.a. |
| S 11 | 23 55 | 5 21 | 2 54 | 19 54 | 3 43 | 15 37 | 1 16 | 23 19 | 0 48 | 20 22 | 1 16 | 10 3 | 2 32 | 22 27 | 0 11 | 8 3 | 2 4 | 35 26 | 12 6 | 19 6 | 18 47 | 7 45 | | n.a. |
| M12 | 23 55 | 0s 3 | 3 43 | 20 5 | 3 30 | 15 15 | 1 24 | 23 25 | 0 48 | 20 19 | 1 16 | 10 1 | 2 32 | 22 27 | 0 11 | 8 3 | 2 4 | 35 26 | 12 6 | 19 6 | 18 48 | 7 42 | | n.a. |
| T 13 | 23 55 | 5 29 | 4 24 | 20 18 | 3 16 | 14 53 | 1 32 | 23 30 | 0 49 | 20 16 | 1 16 | 9 59 | 2 32 | 22 28 | 0 11 | 8 2 | 2 4 | 35 26 | 12 6 | 19 6 | 18 49 | 7 38 | | n.a. |
| W14 | 23 54 | 10 49 | 4 53 | 20 32 | 3 0 | 14 31 | 1 41 | 23 36 | 0 49 | 20 13 | 1 16 | 9 57 | 2 32 | 22 28 | 0 11 | 8 2 | 2 4 | 35 26 | 12 6 | 19 6 | 18 50 | 7 35 | | n.a. |
| T 15 | 23 52 | 15 50 | 5 10 | 20 47 | 2 44 | 14 9 | 1 50 | 23 41 | 0 49 | 20 9 | 1 16 | 9 56 | 2 31 | 22 29 | 0 11 | 8 1 | 2 4 | 35 25 | 12 6 | 19 6 | 18 51 | 7 32 | | n.a. |
| F 16 | 23 50 | 20 18 | 5 12 | 21 4 | 2 27 | 13 47 | 1 58 | 23 46 | 0 50 | 20 6 | 1 16 | 9 54 | 2 31 | 22 29 | 0 11 | 8 1 | 2 4 | 35 25 | 12 6 | 19 7 | 18 51 | 7 29 | | n.a. |
| S 17 | 23 48 | 23 57 | 4 58 | 21 21 | 2 10 | 13 25 | 2 7 | 23 52 | 0 50 | 20 3 | 1 16 | 9 52 | 2 31 | 22 30 | 0 11 | 8 1 | 2 4 | 35 25 | 12 6 | 19 8 | 18 52 | 7 26 | | n.a. |
| S 18 | 23 45 | 26 23 | 4 27 | 21 40 | 1 53 | 13 3 | 2 17 | 23 56 | 0 51 | 20 0 | 1 16 | 9 50 | 2 31 | 22 31 | 0 11 | 8 0 | 2 4 | 35 25 | 12 7 | 19 10 | 18 53 | 7 22 | | n.a. |
| M19 | 23 42 | 27 18 | 3 40 | 21 59 | 1 36 | 12 41 | 2 26 | 24 1 | 0 51 | 19 57 | 1 16 | 9 49 | 2 31 | 22 31 | 0 11 | 8 0 | 2 4 | 35 25 | 12 7 | 19 11 | 18 54 | 7 19 | | n.a. |
| T 20 | 23 39 | 26 27 | 2 39 | 22 18 | 1 19 | 12 19 | 2 35 | 24 6 | 0 52 | 19 53 | 1 16 | 9 47 | 2 30 | 22 32 | 0 11 | 7 59 | 2 4 | 35 24 | 12 7 | 19 11 | 18 55 | 7 16 | | n.a. |
| W21 | 23 35 | 23 49 | 1 26 | 22 37 | 1 2 | 11 57 | 2 45 | 24 10 | 0 52 | 19 50 | 1 16 | 9 45 | 2 30 | 22 32 | 0 11 | 7 59 | 2 3 | 35 24 | 12 7 | 19 12 | 18 56 | 7 13 | | n.a. |
| T 22 | 23 30 | 19 36 | 0 6 | 22 57 | 0 46 | 11 35 | 2 55 | 24 14 | 0 53 | 19 47 | 1 16 | 9 43 | 2 30 | 22 33 | 0 11 | 7 58 | 2 3 | 35 24 | 12 7 | 19 12 | 18 56 | 7 10 | | n.a. |
| F 23 | 23 25 | 14 10 | 1n14 | 23 15 | 0 30 | 11 14 | 3 5 | 24 18 | 0 53 | 19 43 | 1 15 | 9 41 | 2 30 | 22 33 | 0 11 | 7 58 | 2 3 | 35 24 | 12 7 | 19 12 | 18 57 | 7 6 | | n.a. |
| S 24 | 23 20 | 7 58 | 2 29 | 23 34 | 0 15 | 10 52 | 3 15 | 24 22 | 0 54 | 19 40 | 1 15 | 9 39 | 2 30 | 22 34 | 0 11 | 7 57 | 2 3 | 35 24 | 12 7 | 19 12 | 18 58 | 7 3 | | n.a. |
| S 25 | 23 14 | 1 25 | 3 34 | 23 51 | 0 0 | 10 31 | 3 25 | 24 25 | 0 54 | 19 37 | 1 15 | 9 37 | 2 29 | 22 34 | 0 11 | 7 56 | 2 3 | 35 24 | 12 7 | 19 11 | 18 59 | 7 0 | | n.a. |
| M26 | 23 8 | 5n 7 | 4 24 | 24 7 | 0n14 | 10 10 | 3 35 | 24 29 | 0 55 | 19 33 | 1 15 | 9 35 | 2 29 | 22 35 | 0 11 | 7 56 | 2 3 | 35 24 | 12 7 | 19 11 | 19 0 | 6 57 | | n.a. |
| T 27 | 23 1 | 11 17 | 4 58 | 24 21 | 0 27 | 9 50 | 3 46 | 24 32 | 0 55 | 19 30 | 1 15 | 9 33 | 2 29 | 22 35 | 0 11 | 7 55 | 2 3 | 35 23 | 12 7 | 19 11 | 19 0 | 6 54 | | n.a. |
| W28 | 22 54 | 16 47 | 5 14 | 24 34 | 0 38 | 9 29 | 3 56 | 24 35 | 0 56 | 19 26 | 1 15 | 9 31 | 2 29 | 22 36 | 0 11 | 7 55 | 2 3 | 35 23 | 12 7 | 19 11 | 19 1 | 6 50 | | n.a. |
| T 29 | 22 47 | 21 21 | 5 12 | 24 45 | 0 50 | 9 10 | 4 7 | 24 38 | 0 56 | 19 23 | 1 15 | 9 29 | 2 29 | 22 36 | 0 11 | 7 54 | 2 3 | 35 23 | 12 7 | 19 12 | 19 2 | 6 47 | | n.a. |
| F 30 | 22 39 | 24 44 | 4 53 | 24 53 | 1 0 | 8 50 | 4 18 | 24 40 | 0 57 | 19 19 | 1 15 | 9 27 | 2 28 | 22 37 | 0 11 | 7 54 | 2 3 | 35 23 | 12 7 | 19 12 | 19 3 | 6 44 | | n.a. |
| S 31 | 22n31 | 26n45 | 4n20 | 25n 0 | 1n 9 | 8n31 | 4s29 | 24n43 | 0n57 | 19n16 | 1n15 | 9n24 | 2n28 | 22n37 | 0n11 | 7n53 | 2n 3 | 35n23 | 12n 7 | 19s13 | 19s 4 | 6n41 | | n.a. |

Julian Day Number = 993295.5, Delta T = 12h59m53s
Ecliptic obliquity = 23°55'30, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'27, Lahiri = -31°26'26 Julian Calendar 1 July 1994 BCE == Greg. Calendar 14 June 1994 BCE

The year -1993 astronomical counting style corresponds to year 1994 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## AUGUST 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 29 0 | 20♋13'35 | 23♊17 | 6♋ 7 | 27♌32 | 24♊ 9 | 10♌21 | 12♍16 | 10♊15 | 15♍ 5 | 12♋33 | 5°R44 | 6♒18 | 7♍ 7 | n.a. | S 1 |
| M 2 | 19 32 56 | 21°12'15 | 5♋53 | 7°52 | 27°54 | 24°47 | 10°34 | 12°21 | 10°18 | 15° 7 | 12°36 | 5♒42 | 6°15 | 7°14 | n.a. | M 2 |
| T 3 | 19 36 53 | 22°10'57 | 18°16 | 9°39 | 28°15 | 25°25 | 10°46 | 12°26 | 10°21 | 15° 8 | 12°38 | 5°40 | 6°12 | 7°21 | n.a. | T 3 |
| W 4 | 19 40 49 | 23° 9'41 | 0♌28 | 11°28 | 28°34 | 26° 3 | 10°59 | 12°31 | 10°24 | 15°10 | 12°40 | 5°D40 | 6° 9 | 7°27 | n.a. | W 4 |
| T 5 | 19 44 46 | 24° 8'27 | 12°31 | 13°17 | 28°52 | 26°40 | 11°12 | 12°37 | 10°27 | 15°11 | 12°42 | 5°40 | 6° 6 | 7°34 | n.a. | T 5 |
| F 6 | 19 48 43 | 25° 7'15 | 24°26 | 15° 8 | 29° 7 | 27°18 | 11°25 | 12°42 | 10°30 | 15°13 | 12°44 | 5°40 | 6° 3 | 7°41 | n.a. | F 6 |
| S 7 | 19 52 39 | 26° 6'05 | 6♍16 | 16°59 | 29°20 | 27°56 | 11°38 | 12°48 | 10°33 | 15°15 | 12°46 | 5°41 | 5°59 | 7°47 | n.a. | S 7 |
| S 8 | 19 56 36 | 27° 4'58 | 18° 4 | 18°51 | 29°31 | 28°34 | 11°50 | 12°53 | 10°36 | 15°16 | 12°48 | 5°42 | 5°56 | 7°54 | n.a. | S 8 |
| M 9 | 20 0 32 | 28° 3'52 | 29°53 | 20°43 | 29°40 | 29°12 | 12° 3 | 12°59 | 10°39 | 15°18 | 12°50 | 5°43 | 5°53 | 8° 1 | n.a. | M 9 |
| T 10 | 20 4 29 | 29° 2'48 | 11♎49 | 22°34 | 29°47 | 29°49 | 12°16 | 13° 4 | 10°41 | 15°20 | 12°52 | 5°44 | 5°50 | 8° 7 | n.a. | T 10 |
| W11 | 20 8 25 | 0♌ 1'46 | 23°54 | 24°25 | 29°52 | 0♋27 | 12°29 | 13°10 | 10°44 | 15°21 | 12°54 | 5°44 | 5°47 | 8°14 | n.a. | W11 |
| T 12 | 20 12 22 | 1° 0'46 | 6♏15 | 26°16 | 29°54 | 1° 5 | 12°42 | 13°16 | 10°47 | 15°23 | 12°56 | 5°R44 | 5°44 | 8°21 | n.a. | T 12 |
| F 13 | 20 16 18 | 1°59'48 | 18°55 | 28° 7 | 29°R54 | 1°42 | 12°55 | 13°22 | 10°49 | 15°25 | 12°58 | 5°44 | 5°40 | 8°27 | n.a. | F 13 |
| S 14 | 20 20 15 | 2°58'52 | 1♐57 | 29°56 | 29°52 | 2°20 | 13° 8 | 13°28 | 10°52 | 15°26 | 13° 0 | 5°44 | 5°37 | 8°34 | n.a. | S 14 |
| S 15 | 20 24 11 | 3°57'58 | 15°26 | 1♌46 | 29°47 | 2°58 | 13°21 | 13°33 | 10°55 | 15°28 | 13° 2 | 5°43 | 5°34 | 8°41 | n.a. | S 15 |
| M16 | 20 28 8 | 4°57'06 | 29°21 | 3°34 | 29°40 | 3°35 | 13°34 | 13°39 | 10°57 | 15°30 | 13° 3 | 5°43 | 5°31 | 8°47 | n.a. | M16 |
| T 17 | 20 32 5 | 5°56'16 | 13♑41 | 5°22 | 29°30 | 4°13 | 13°47 | 13°45 | 11° 0 | 15°32 | 13° 5 | 5°D43 | 5°28 | 8°54 | n.a. | T 17 |
| W18 | 20 36 1 | 6°55'28 | 28°22 | 7° 9 | 29°18 | 4°50 | 14° 0 | 13°52 | 11° 2 | 15°34 | 13° 7 | 5°R43 | 5°24 | 9° 1 | n.a. | W18 |
| T 19 | 20 39 58 | 7°54'43 | 13♒18 | 8°55 | 29° 4 | 5°28 | 14°13 | 13°58 | 11° 5 | 15°36 | 13° 9 | 5°43 | 5°21 | 9° 7 | n.a. | T 19 |
| F 20 | 20 43 54 | 8°53'59 | 28°21 | 10°40 | 28°47 | 6° 6 | 14°26 | 14° 4 | 11° 7 | 15°37 | 13°11 | 5°43 | 5°18 | 9°14 | n.a. | F 20 |
| S 21 | 20 47 51 | 9°53'18 | 13♓23 | 12°24 | 28°28 | 6°43 | 14°40 | 14°10 | 11° 9 | 15°39 | 13°13 | 5°43 | 5°15 | 9°21 | n.a. | S 21 |
| S 22 | 20 51 47 | 10°52'39 | 28°14 | 14° 8 | 28° 7 | 7°21 | 14°53 | 14°16 | 11°12 | 15°41 | 13°15 | 5°42 | 5°12 | 9°27 | n.a. | S 22 |
| M23 | 20 55 44 | 11°52'03 | 12♈49 | 15°51 | 27°44 | 7°58 | 15° 6 | 14°22 | 11°14 | 15°43 | 13°17 | 5°42 | 5° 9 | 9°34 | n.a. | M23 |
| T 24 | 20 59 40 | 12°51'29 | 27° 3 | 17°33 | 27°18 | 8°36 | 15°19 | 14°29 | 11°16 | 15°45 | 13°19 | 5°41 | 5° 5 | 9°41 | n.a. | T 24 |
| W25 | 21 3 37 | 13°50'57 | 10♉54 | 19°14 | 26°51 | 9°13 | 15°32 | 14°35 | 11°18 | 15°47 | 13°20 | 5°D41 | 5° 2 | 9°47 | n.a. | W25 |
| T 26 | 21 7 33 | 14°50'28 | 24°22 | 20°54 | 26°22 | 9°51 | 15°45 | 14°41 | 11°20 | 15°49 | 13°22 | 5°41 | 4°59 | 9°54 | n.a. | T 26 |
| F 27 | 21 11 30 | 15°50'02 | 7♊29 | 22°34 | 25°51 | 10°28 | 15°58 | 14°48 | 11°22 | 15°51 | 13°24 | 5°41 | 4°56 | 10° 1 | n.a. | F 27 |
| S 28 | 21 15 27 | 16°49'38 | 20°17 | 24°13 | 25°19 | 11° 6 | 16°11 | 14°54 | 11°24 | 15°53 | 13°26 | 5°42 | 4°53 | 10° 7 | n.a. | S 28 |
| S 29 | 21 19 23 | 17°49'17 | 2♋49 | 25°51 | 24°46 | 11°43 | 16°25 | 15° 1 | 11°26 | 15°55 | 13°28 | 5°44 | 4°50 | 10°14 | n.a. | S 29 |
| M30 | 21 23 20 | 18°48'58 | 15° 8 | 27°28 | 24°11 | 12°21 | 16°38 | 15° 7 | 11°28 | 15°57 | 13°29 | 5°45 | 4°46 | 10°21 | n.a. | M30 |
| T 31 | 21 27 16 | 19♌48'42 | 27♋17 | 29♌ 5 | 23♌36 | 12♋58 | 16♌51 | 15♍14 | 11♊30 | 15♍59 | 13♋31 | 5♒45 | 4♒43 | 10♍27 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 22n22 | 27n18 | 3n34 | 25n 4 | 1n17 | 8n12 | 4s40 | 24n45 | 0n58 | 19n12 | 1n15 | 9n22 | 2n28 | 22n38 | 0n11 | 7n52 | 2n 3 | 35n23 | 12n 8 | 19s13 | 19s 4 | 6n38 | | | n.a. |
| M 2 | 22 13 | 26 25 | 2 38 | 25 5 | 1 24 | 7 54 | 4 51 | 24 47 | 0 58 | 19 9 | 1 15 | 9 20 | 2 28 | 22 38 | 0 11 | 7 52 | 2 3 | 35 23 | 12 8 | 19 14 | 19 5 | 6 34 | | | n.a. |
| T 3 | 22 3 | 24 13 | 1 35 | 25 4 | 1 30 | 7 36 | 5 2 | 24 49 | 0 59 | 19 5 | 1 15 | 9 18 | 2 28 | 22 38 | 0 11 | 7 51 | 2 3 | 35 23 | 12 8 | 19 14 | 19 6 | 6 31 | | | n.a. |
| W 4 | 21 53 | 20 56 | 0 29 | 25 0 | 1 36 | 7 19 | 5 13 | 24 51 | 0 59 | 19 2 | 1 15 | 9 16 | 2 28 | 22 39 | 0 11 | 7 50 | 2 3 | 35 23 | 12 8 | 19 14 | 19 7 | 6 28 | | | n.a. |
| T 5 | 21 43 | 16 47 | 0s38 | 24 54 | 1 40 | 7 2 | 5 25 | 24 53 | 1 0 | 18 58 | 1 15 | 9 13 | 2 27 | 22 39 | 0 11 | 7 50 | 2 3 | 35 23 | 12 8 | 19 14 | 19 8 | 6 25 | | | n.a. |
| F 6 | 21 32 | 12 2 | 1 42 | 24 46 | 1 44 | 6 46 | 5 36 | 24 54 | 1 0 | 18 54 | 1 15 | 9 11 | 2 27 | 22 40 | 0 11 | 7 49 | 2 3 | 35 22 | 12 8 | 19 14 | 19 9 | 6 21 | | | n.a. |
| S 7 | 21 21 | 6 54 | 2 42 | 24 35 | 1 46 | 6 31 | 5 47 | 24 55 | 1 1 | 18 51 | 1 15 | 9 9 | 2 27 | 22 40 | 0 11 | 7 48 | 2 3 | 35 22 | 12 8 | 19 14 | 19 9 | 6 18 | | | n.a. |
| S 8 | 21 10 | 1 32 | 3 34 | 24 21 | 1 48 | 6 17 | 5 59 | 24 56 | 1 1 | 18 47 | 1 15 | 9 6 | 2 27 | 22 41 | 0 11 | 7 48 | 2 2 | 35 22 | 12 9 | 19 14 | 19 10 | 6 15 | | | n.a. |
| M 9 | 20 58 | 3s53 | 4 18 | 24 6 | 1 50 | 6 3 | 6 10 | 24 57 | 1 2 | 18 43 | 1 15 | 9 4 | 2 27 | 22 41 | 0 12 | 7 47 | 2 2 | 35 22 | 12 9 | 19 13 | 19 11 | 6 12 | | | n.a. |
| T 10 | 20 46 | 9 12 | 4 50 | 23 48 | 1 50 | 5 50 | 6 21 | 24 57 | 1 2 | 18 40 | 1 15 | 9 2 | 2 27 | 22 42 | 0 12 | 7 46 | 2 2 | 35 22 | 12 9 | 19 13 | 19 12 | 6 9 | | | n.a. |
| W11 | 20 33 | 14 15 | 5 11 | 23 29 | 1 50 | 5 38 | 6 32 | 24 58 | 1 2 | 18 36 | 1 15 | 8 59 | 2 26 | 22 42 | 0 12 | 7 46 | 2 2 | 35 22 | 12 9 | 19 13 | 19 13 | 6 5 | | | n.a. |
| T 12 | 20 20 | 18 51 | 5 18 | 23 7 | 1 50 | 5 27 | 6 43 | 24 58 | 1 3 | 18 32 | 1 15 | 8 57 | 2 26 | 22 42 | 0 12 | 7 45 | 2 2 | 35 22 | 12 9 | 19 13 | 19 13 | 6 2 | | | n.a. |
| F 13 | 20 7 | 22 44 | 5 9 | 22 44 | 1 48 | 5 17 | 6 54 | 24 58 | 1 3 | 18 28 | 1 15 | 8 55 | 2 26 | 22 43 | 0 12 | 7 44 | 2 2 | 35 22 | 12 9 | 19 13 | 19 14 | 5 59 | | | n.a. |
| S 14 | 19 53 | 25 37 | 4 45 | 22 19 | 1 47 | 5 8 | 7 5 | 24 58 | 1 4 | 18 24 | 1 15 | 8 52 | 2 26 | 22 43 | 0 12 | 7 43 | 2 2 | 35 22 | 12 10 | 19 13 | 19 15 | 5 56 | | | n.a. |
| S 15 | 19 39 | 27 10 | 4 5 | 21 52 | 1 45 | 5 0 | 7 15 | 24 58 | 1 4 | 18 21 | 1 15 | 8 50 | 2 26 | 22 44 | 0 12 | 7 43 | 2 2 | 35 22 | 12 10 | 19 13 | 19 16 | 5 53 | | | n.a. |
| M16 | 19 25 | 27 4 | 3 9 | 21 24 | 1 42 | 4 53 | 7 25 | 24 57 | 1 5 | 18 17 | 1 15 | 8 47 | 2 26 | 22 44 | 0 12 | 7 42 | 2 2 | 35 22 | 12 10 | 19 13 | 19 16 | 5 49 | | | n.a. |
| T 17 | 19 10 | 25 11 | 1 59 | 20 55 | 1 39 | 4 47 | 7 35 | 24 57 | 1 5 | 18 13 | 1 15 | 8 45 | 2 26 | 22 44 | 0 12 | 7 41 | 2 2 | 35 22 | 12 10 | 19 13 | 19 17 | 5 46 | | | n.a. |
| W18 | 18 55 | 21 34 | 0 41 | 20 24 | 1 36 | 4 42 | 7 44 | 24 56 | 1 6 | 18 9 | 1 15 | 8 42 | 2 25 | 22 45 | 0 12 | 7 40 | 2 2 | 35 22 | 12 10 | 19 13 | 19 18 | 5 43 | | | n.a. |
| T 19 | 18 40 | 16 30 | 0n42 | 19 52 | 1 32 | 4 39 | 7 53 | 24 55 | 1 6 | 18 5 | 1 15 | 8 40 | 2 25 | 22 45 | 0 12 | 7 40 | 2 2 | 35 22 | 12 11 | 19 13 | 19 19 | 5 40 | | | n.a. |
| F 20 | 18 24 | 10 22 | 2 3 | 19 19 | 1 28 | 4 37 | 8 2 | 24 54 | 1 7 | 18 1 | 1 15 | 8 37 | 2 25 | 22 45 | 0 12 | 7 39 | 2 2 | 35 22 | 12 11 | 19 13 | 19 20 | 5 36 | | | n.a. |
| S 21 | 18 8 | 3 41 | 3 14 | 18 45 | 1 23 | 4 36 | 8 10 | 24 52 | 1 7 | 17 57 | 1 15 | 8 35 | 2 25 | 22 46 | 0 12 | 7 38 | 2 2 | 35 22 | 12 11 | 19 14 | 19 20 | 5 33 | | | n.a. |
| S 22 | 17 51 | 3n 8 | 4 12 | 18 10 | 1 18 | 4 36 | 8 17 | 24 51 | 1 8 | 17 54 | 1 15 | 8 32 | 2 25 | 22 46 | 0 12 | 7 37 | 2 2 | 35 22 | 12 11 | 19 14 | 19 21 | 5 30 | | | n.a. |
| M23 | 17 35 | 9 38 | 4 53 | 17 35 | 1 13 | 4 37 | 8 24 | 24 49 | 1 8 | 17 50 | 1 15 | 8 29 | 2 25 | 22 46 | 0 12 | 7 36 | 2 2 | 35 22 | 12 12 | 19 14 | 19 22 | 5 27 | | | n.a. |
| T 24 | 17 18 | 15 29 | 5 14 | 16 58 | 1 8 | 4 40 | 8 30 | 24 47 | 1 9 | 17 46 | 1 15 | 8 27 | 2 25 | 22 47 | 0 12 | 7 36 | 2 2 | 35 22 | 12 12 | 19 14 | 19 23 | 5 24 | | | n.a. |
| W25 | 17 0 | 20 23 | 5 16 | 16 21 | 1 3 | 4 45 | 8 36 | 24 45 | 1 9 | 17 42 | 1 15 | 8 24 | 2 25 | 22 47 | 0 12 | 7 35 | 2 2 | 35 22 | 12 12 | 19 14 | 19 24 | 5 20 | | | n.a. |
| T 26 | 16 43 | 24 6 | 5 1 | 15 43 | 0 57 | 4 50 | 8 40 | 24 42 | 1 9 | 17 38 | 1 15 | 8 22 | 2 25 | 22 47 | 0 12 | 7 34 | 2 2 | 35 22 | 12 12 | 19 14 | 19 24 | 5 17 | | | n.a. |
| F 27 | 16 25 | 26 26 | 4 30 | 15 5 | 0 51 | 4 57 | 8 44 | 24 40 | 1 10 | 17 34 | 1 15 | 8 19 | 2 24 | 22 48 | 0 12 | 7 33 | 2 2 | 35 22 | 12 13 | 19 14 | 19 25 | 5 14 | | | n.a. |
| S 28 | 16 7 | 27 19 | 3 46 | 14 26 | 0 45 | 5 5 | 8 47 | 24 37 | 1 10 | 17 30 | 1 15 | 8 16 | 2 24 | 22 48 | 0 12 | 7 32 | 2 2 | 35 22 | 12 13 | 19 14 | 19 26 | 5 11 | | | n.a. |
| S 29 | 15 48 | 26 46 | 2 53 | 13 47 | 0 39 | 5 14 | 8 49 | 24 34 | 1 11 | 17 26 | 1 15 | 8 14 | 2 24 | 22 48 | 0 12 | 7 31 | 2 2 | 35 22 | 12 13 | 19 13 | 19 27 | 5 8 | | | n.a. |
| M30 | 15 29 | 24 54 | 1 52 | 13 7 | 0 33 | 5 24 | 8 50 | 24 31 | 1 11 | 17 22 | 1 15 | 8 11 | 2 24 | 22 49 | 0 12 | 7 31 | 2 2 | 35 23 | 12 13 | 19 13 | 19 27 | 5 4 | | | n.a. |
| T 31 | 15n10 | 21n53 | 0n47 | 12n27 | 0n27 | 5n35 | 8s50 | 24n28 | 1n12 | 17n18 | 1n15 | 8n 8 | 2n24 | 22n49 | 0n12 | 7n30 | 2n 2 | 35n23 | 12n14 | 19s13 | 19s28 | 5n 1 | | | n.a. |

Julian Day Number = 993326.5, Delta T = 12h59m51s
Ecliptic obliquity = 23°55'30, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'22, Lahiri = -31°26'22 Julian Calendar 1 Aug. 1994 BCE == Greg. Calendar 15 July 1994 BCE

The year -1993 astronomical counting style corresponds to year 1994 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## SEPTEMBER 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 31 13 | 20♌48'27 | 9♌17 | 0♍41 | 23°R 0 | 13♋36 | 17♌ 4 | 15♍21 | 11♊32 | 16♍ 1 | 13♋33 | 5°R46 | 4♒40 | 10♍34 | n.a. | W 1 |
| T 2 | 21 35 9 | 21°48'15 | 21°12 | 2°16 | 22♌24 | 14°13 | 17°17 | 15°27 | 11°34 | 16° 3 | 13°35 | 5♒45 | 4°37 | 10°41 | n.a. | T 2 |
| F 3 | 21 39 6 | 22°48'05 | 3♍ 2 | 3°51 | 21°48 | 14°51 | 17°30 | 15°34 | 11°36 | 16° 6 | 13°36 | 5°43 | 4°34 | 10°47 | n.a. | F 3 |
| S 4 | 21 43 2 | 23°47'57 | 14°51 | 5°25 | 21°11 | 15°28 | 17°43 | 15°40 | 11°37 | 16° 8 | 13°38 | 5°41 | 4°30 | 10°54 | n.a. | S 4 |
| S 5 | 21 46 59 | 24°47'51 | 26°40 | 6°59 | 20°35 | 16° 5 | 17°56 | 15°47 | 11°39 | 16°10 | 13°40 | 5°38 | 4°27 | 11° 1 | n.a. | S 5 |
| M 6 | 21 50 55 | 25°47'47 | 8♎31 | 8°32 | 20° 0 | 16°43 | 18°10 | 15°54 | 11°41 | 16°12 | 13°41 | 5°34 | 4°24 | 11° 7 | n.a. | M 6 |
| T 7 | 21 54 52 | 26°47'45 | 20°28 | 10° 4 | 19°26 | 17°20 | 18°23 | 16° 1 | 11°42 | 16°14 | 13°43 | 5°31 | 4°21 | 11°14 | n.a. | T 7 |
| W 8 | 21 58 48 | 27°47'45 | 2♏34 | 11°35 | 18°52 | 17°57 | 18°36 | 16° 7 | 11°44 | 16°16 | 13°44 | 5°28 | 4°18 | 11°21 | n.a. | W 8 |
| T 9 | 22 2 45 | 28°47'46 | 14°53 | 13° 6 | 18°20 | 18°35 | 18°49 | 16°14 | 11°45 | 16°18 | 13°46 | 5°27 | 4°15 | 11°27 | n.a. | T 9 |
| F 10 | 22 6 42 | 29°47'50 | 27°27 | 14°37 | 17°49 | 19°12 | 19° 2 | 16°21 | 11°46 | 16°21 | 13°48 | 5°D26 | 4°11 | 11°34 | n.a. | F 10 |
| S 11 | 22 10 38 | 0♍47'55 | 10♐22 | 16° 7 | 17°20 | 19°49 | 19°15 | 16°28 | 11°48 | 16°23 | 13°49 | 5°26 | 4° 8 | 11°41 | n.a. | S 11 |
| S 12 | 22 14 35 | 1°48'03 | 23°41 | 17°36 | 16°53 | 20°26 | 19°28 | 16°35 | 11°49 | 16°25 | 13°51 | 5°27 | 4° 5 | 11°47 | n.a. | S 12 |
| M13 | 22 18 31 | 2°48'11 | 7♑27 | 19° 5 | 16°28 | 21° 4 | 19°41 | 16°42 | 11°50 | 16°27 | 13°52 | 5°29 | 4° 2 | 11°54 | n.a. | M13 |
| T 14 | 22 22 28 | 3°48'22 | 21°40 | 20°33 | 16° 4 | 21°41 | 19°54 | 16°49 | 11°51 | 16°29 | 13°54 | 5°30 | 3°59 | 12° 1 | n.a. | T 14 |
| W15 | 22 26 24 | 4°48'35 | 6♒18 | 22° 0 | 15°43 | 22°18 | 20° 7 | 16°56 | 11°53 | 16°32 | 13°55 | 5°R31 | 3°56 | 12° 7 | n.a. | W15 |
| T 16 | 22 30 21 | 5°48'49 | 21°18 | 23°27 | 15°24 | 22°55 | 20°20 | 17° 2 | 11°54 | 16°34 | 13°56 | 5°30 | 3°52 | 12°14 | n.a. | T 16 |
| F 17 | 22 34 17 | 6°49'05 | 6♓32 | 24°53 | 15° 8 | 23°32 | 20°33 | 17° 9 | 11°55 | 16°36 | 13°58 | 5°28 | 3°49 | 12°21 | n.a. | F 17 |
| S 18 | 22 38 14 | 7°49'23 | 21°49 | 26°18 | 14°54 | 24°10 | 20°45 | 17°16 | 11°56 | 16°38 | 13°59 | 5°24 | 3°46 | 12°28 | n.a. | S 18 |
| S 19 | 22 42 11 | 8°49'43 | 6♈59 | 27°43 | 14°42 | 24°47 | 20°58 | 17°23 | 11°57 | 16°40 | 14° 1 | 5°19 | 3°43 | 12°34 | n.a. | S 19 |
| M20 | 22 46 7 | 9°50'05 | 21°53 | 29° 7 | 14°33 | 25°24 | 21°11 | 17°30 | 11°57 | 16°43 | 14° 2 | 5°14 | 3°40 | 12°41 | n.a. | M20 |
| T 21 | 22 50 4 | 10°50'29 | 6♉23 | 0♎30 | 14°26 | 26° 1 | 21°24 | 17°37 | 11°58 | 16°45 | 14° 3 | 5° 9 | 3°36 | 12°48 | n.a. | T 21 |
| W22 | 22 54 0 | 11°50'55 | 20°25 | 1°52 | 14°22 | 26°38 | 21°37 | 17°44 | 11°59 | 16°47 | 14° 4 | 5° 6 | 3°33 | 12°54 | n.a. | W22 |
| T 23 | 22 57 57 | 12°51'24 | 3♊59 | 3°13 | 14°D20 | 27°15 | 21°49 | 17°51 | 12° 0 | 16°49 | 14° 6 | 5° 4 | 3°30 | 13° 1 | n.a. | T 23 |
| F 24 | 23 1 53 | 13°51'54 | 17° 6 | 4°33 | 14°21 | 27°52 | 22° 2 | 17°58 | 12° 0 | 16°52 | 14° 7 | 5°D 3 | 3°27 | 13° 8 | n.a. | F 24 |
| S 25 | 23 5 50 | 14°52'27 | 29°49 | 5°52 | 14°24 | 28°29 | 22°15 | 18° 5 | 12° 1 | 16°54 | 14° 8 | 5° 4 | 3°24 | 13°14 | n.a. | S 25 |
| S 26 | 23 9 46 | 15°53'02 | 12♋13 | 7°10 | 14°30 | 29° 6 | 22°27 | 18°12 | 12° 1 | 16°56 | 14° 9 | 5° 6 | 3°21 | 13°21 | n.a. | S 26 |
| M27 | 23 13 43 | 16°53'38 | 24°22 | 8°26 | 14°37 | 29°43 | 22°40 | 18°19 | 12° 2 | 16°58 | 14°11 | 5° 7 | 3°17 | 13°28 | n.a. | M27 |
| T 28 | 23 17 40 | 17°54'17 | 6♌20 | 9°40 | 14°47 | 0♌20 | 22°52 | 18°26 | 12° 2 | 17° 1 | 14°12 | 5°R 8 | 3°14 | 13°34 | n.a. | T 28 |
| W29 | 23 21 36 | 18°54'57 | 18°13 | 10°53 | 15° 0 | 0°57 | 23° 5 | 18°34 | 12° 3 | 17° 3 | 14°13 | 5° 7 | 3°11 | 13°41 | n.a. | W29 |
| T 30 | 23 25 33 | 19♍55'39 | 0♍ 2 | 12♎ 4 | 15♌14 | 1♌34 | 23♌17 | 18♍41 | 12♊ 3 | 17♍ 5 | 14♋14 | 5♒ 4 | 3♒ 8 | 13♍48 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14n51 | 17n59 | 0s20 | 11n46 | 0n20 | 5n47 | 8s50 | 24n25 | 1n12 | 17n14 | 1n15 | 8n 6 | 2n24 | 22n49 | 0n12 | 7n29 | 2n 2 | 35n23 | 12n14 | 19s13 | 19s29 | 4n58 | | n.a. |
| T 2 | 14 31 | 13 24 | 1 24 | 11 5 | 0 14 | 6 1 | 8 48 | 24 21 | 1 13 | 17 10 | 1 15 | 8 3 | 2 24 | 22 49 | 0 12 | 7 28 | 2 2 | 35 23 | 12 14 | 19 13 | 19 30 | 4 55 | | n.a. |
| F 3 | 14 12 | 8 21 | 2 25 | 10 24 | 0 7 | 6 15 | 8 45 | 24 17 | 1 13 | 17 6 | 1 15 | 8 0 | 2 24 | 22 50 | 0 12 | 7 27 | 2 2 | 35 23 | 12 15 | 19 13 | 19 31 | 4 51 | | n.a. |
| S 4 | 13 51 | 3 2 | 3 19 | 9 43 | 0 0 | 6 30 | 8 41 | 24 14 | 1 14 | 17 1 | 1 15 | 7 58 | 2 24 | 22 50 | 0 12 | 7 26 | 2 2 | 35 23 | 12 15 | 19 14 | 19 31 | 4 48 | | n.a. |
| S 5 | 13 31 | 2s23 | 4 5 | 9 2 | 0s 6 | 6 45 | 8 37 | 24 10 | 1 14 | 16 57 | 1 15 | 7 55 | 2 24 | 22 50 | 0 12 | 7 26 | 2 2 | 35 23 | 12 15 | 19 15 | 19 32 | 4 45 | | n.a. |
| M 6 | 13 11 | 7 43 | 4 41 | 8 20 | 0 13 | 7 2 | 8 31 | 24 5 | 1 15 | 16 53 | 1 15 | 7 52 | 2 24 | 22 50 | 0 12 | 7 25 | 2 2 | 35 23 | 12 15 | 19 16 | 19 33 | 4 42 | | n.a. |
| T 7 | 12 50 | 12 50 | 5 4 | 7 38 | 0 20 | 7 18 | 8 25 | 24 1 | 1 15 | 16 49 | 1 16 | 7 49 | 2 23 | 22 51 | 0 12 | 7 24 | 2 1 | 35 23 | 12 16 | 19 16 | 19 34 | 4 39 | | n.a. |
| W 8 | 12 29 | 17 31 | 5 14 | 6 57 | 0 27 | 7 35 | 8 18 | 23 56 | 1 15 | 16 45 | 1 16 | 7 47 | 2 23 | 22 51 | 0 12 | 7 23 | 2 1 | 35 24 | 12 16 | 19 17 | 19 34 | 4 35 | | n.a. |
| T 9 | 12 8 | 21 33 | 5 10 | 6 15 | 0 34 | 7 53 | 8 10 | 23 52 | 1 16 | 16 41 | 1 16 | 7 44 | 2 23 | 22 51 | 0 12 | 7 22 | 2 1 | 35 24 | 12 16 | 19 18 | 19 35 | 4 32 | | n.a. |
| F 10 | 11 46 | 24 43 | 4 52 | 5 33 | 0 40 | 8 11 | 8 1 | 23 47 | 1 16 | 16 37 | 1 16 | 7 41 | 2 23 | 22 51 | 0 12 | 7 21 | 2 1 | 35 24 | 12 17 | 19 18 | 19 36 | 4 29 | | n.a. |
| S 11 | 11 25 | 26 43 | 4 18 | 4 52 | 0 47 | 8 28 | 7 51 | 23 42 | 1 17 | 16 33 | 1 16 | 7 38 | 2 23 | 22 52 | 0 12 | 7 20 | 2 1 | 35 24 | 12 17 | 19 18 | 19 37 | 4 26 | | n.a. |
| S 12 | 11 3 | 27 16 | 3 30 | 4 10 | 0 54 | 8 46 | 7 41 | 23 36 | 1 17 | 16 29 | 1 16 | 7 35 | 2 23 | 22 52 | 0 12 | 7 19 | 2 1 | 35 24 | 12 17 | 19 17 | 19 38 | 4 22 | | n.a. |
| M13 | 10 41 | 26 10 | 2 28 | 3 29 | 1 1 | 9 4 | 7 30 | 23 31 | 1 18 | 16 25 | 1 16 | 7 33 | 2 23 | 22 52 | 0 12 | 7 19 | 2 1 | 35 24 | 12 18 | 19 17 | 19 38 | 4 19 | | n.a. |
| T 14 | 10 19 | 23 23 | 1 15 | 2 47 | 1 7 | 9 22 | 7 19 | 23 26 | 1 18 | 16 21 | 1 16 | 7 30 | 2 23 | 22 52 | 0 12 | 7 18 | 2 1 | 35 25 | 12 18 | 19 17 | 19 39 | 4 16 | | n.a. |
| W15 | 9 56 | 19 0 | 0n 4 | 2 6 | 1 14 | 9 39 | 7 7 | 23 20 | 1 19 | 16 16 | 1 16 | 7 27 | 2 23 | 22 52 | 0 12 | 7 17 | 2 1 | 35 25 | 12 19 | 19 17 | 19 40 | 4 13 | | n.a. |
| T 16 | 9 34 | 13 20 | 1 25 | 1 25 | 1 21 | 9 56 | 6 55 | 23 14 | 1 19 | 16 12 | 1 16 | 7 24 | 2 23 | 22 52 | 0 12 | 7 16 | 2 1 | 35 25 | 12 19 | 19 17 | 19 41 | 4 10 | | n.a. |
| F 17 | 9 11 | 6 48 | 2 42 | 0 45 | 1 27 | 10 13 | 6 43 | 23 8 | 1 20 | 16 8 | 1 16 | 7 21 | 2 23 | 22 53 | 0 12 | 7 15 | 2 1 | 35 25 | 12 19 | 19 17 | 19 41 | 4 6 | | n.a. |
| S 18 | 8 48 | 0n 9 | 3 46 | 0 5 | 1 33 | 10 29 | 6 30 | 23 2 | 1 20 | 16 4 | 1 16 | 7 19 | 2 23 | 22 53 | 0 12 | 7 14 | 2 1 | 35 25 | 12 20 | 19 18 | 19 42 | 4 3 | | n.a. |
| S 19 | 8 25 | 7 1 | 4 35 | 0s35 | 1 39 | 10 45 | 6 17 | 22 55 | 1 21 | 16 0 | 1 16 | 7 16 | 2 23 | 22 53 | 0 12 | 7 13 | 2 1 | 35 26 | 12 20 | 19 19 | 19 43 | 4 0 | | n.a. |
| M20 | 8 2 | 13 22 | 5 3 | 1 15 | 1 45 | 11 0 | 6 4 | 22 49 | 1 21 | 15 56 | 1 16 | 7 13 | 2 23 | 22 53 | 0 12 | 7 12 | 2 1 | 35 26 | 12 20 | 19 21 | 19 44 | 3 57 | | n.a. |
| T 21 | 7 39 | 18 48 | 5 12 | 1 54 | 1 51 | 11 15 | 5 50 | 22 42 | 1 21 | 15 52 | 1 17 | 7 10 | 2 23 | 22 53 | 0 12 | 7 11 | 2 1 | 35 26 | 12 21 | 19 22 | 19 44 | 3 53 | | n.a. |
| W22 | 7 15 | 23 2 | 5 1 | 2 32 | 1 57 | 11 29 | 5 37 | 22 36 | 1 22 | 15 48 | 1 17 | 7 7 | 2 23 | 22 53 | 0 12 | 7 10 | 2 1 | 35 26 | 12 21 | 19 23 | 19 45 | 3 50 | | n.a. |
| T 23 | 6 52 | 25 50 | 4 33 | 3 10 | 2 2 | 11 43 | 5 23 | 22 29 | 1 22 | 15 43 | 1 17 | 7 5 | 2 23 | 22 53 | 0 12 | 7 10 | 2 1 | 35 26 | 12 21 | 19 23 | 19 46 | 3 47 | | n.a. |
| F 24 | 6 28 | 27 8 | 3 52 | 3 47 | 2 8 | 11 55 | 5 10 | 22 22 | 1 23 | 15 39 | 1 17 | 7 2 | 2 23 | 22 54 | 0 12 | 7 9 | 2 1 | 35 27 | 12 22 | 19 23 | 19 47 | 3 44 | | n.a. |
| S 25 | 6 4 | 26 56 | 3 0 | 4 24 | 2 13 | 12 7 | 4 56 | 22 14 | 1 23 | 15 35 | 1 17 | 6 59 | 2 23 | 22 54 | 0 12 | 7 8 | 2 1 | 35 27 | 12 22 | 19 23 | 19 47 | 3 41 | | n.a. |
| S 26 | 5 41 | 25 22 | 2 1 | 5 0 | 2 17 | 12 19 | 4 43 | 22 7 | 1 24 | 15 31 | 1 17 | 6 56 | 2 23 | 22 54 | 0 12 | 7 7 | 2 1 | 35 27 | 12 23 | 19 23 | 19 48 | 3 37 | | n.a. |
| M27 | 5 17 | 22 38 | 0 58 | 5 34 | 2 22 | 12 29 | 4 29 | 21 59 | 1 24 | 15 27 | 1 17 | 6 53 | 2 23 | 22 54 | 0 12 | 7 6 | 2 1 | 35 27 | 12 23 | 19 22 | 19 49 | 3 34 | | n.a. |
| T 28 | 4 52 | 18 58 | 0s 7 | 6 8 | 2 26 | 12 39 | 4 16 | 21 52 | 1 25 | 15 23 | 1 17 | 6 51 | 2 23 | 22 54 | 0 13 | 7 5 | 2 1 | 35 28 | 12 23 | 19 22 | 19 50 | 3 31 | | n.a. |
| W29 | 4 28 | 14 34 | 1 10 | 6 40 | 2 29 | 12 48 | 4 3 | 21 44 | 1 25 | 15 19 | 1 17 | 6 48 | 2 23 | 22 54 | 0 13 | 7 4 | 2 1 | 35 28 | 12 24 | 19 22 | 19 50 | 3 28 | | n.a. |
| T 30 | 4n 4 | 9n39 | 2s11 | 7s12 | 2s33 | 12n56 | 3s50 | 21n36 | 1n26 | 15n15 | 1n17 | 6n45 | 2n23 | 22n54 | 0n13 | 7n 3 | 2n 1 | 35n28 | 12n24 | 19s23 | 19s51 | 3n24 | | n.a. |

Julian Day Number = 993357.5, Delta T = 12h59m49s
Ecliptic obliquity = 23°55'30, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'18, Lahiri = -31°26'18 Julian Calendar 1 Sept. 1994 BCE == Greg. Calendar 15 Aug. 1994 BCE


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## OCTOBER 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 29 29 | 20♍56'23 | 11♍50 | 13♎12 | 15♌31 | 2♌11 | 23♌30 | 18♍48 | 12♊ 3 | 17♍ 7 | 14♋15 | 4°R58 | 3♒ 5 | 13♍54 | n.a. | F 1 |
| S 2 | 23 33 26 | 21°57'09 | 23°40 | 14°18 | 15°49 | 2°48 | 23°42 | 18°55 | 12° 4 | 17°10 | 14°16 | 4♒50 | 3° 1 | 14° 1 | n.a. | S 2 |
| S 3 | 23 37 22 | 22°57'56 | 5♎33 | 15°21 | 16°10 | 3°25 | 23°55 | 19° 2 | 12° 4 | 17°12 | 14°17 | 4°41 | 2°58 | 14° 8 | n.a. | S 3 |
| M 4 | 23 41 19 | 23°58'44 | 17°31 | 16°21 | 16°32 | 4° 2 | 24° 7 | 19° 9 | 12° 4 | 17°14 | 14°18 | 4°31 | 2°55 | 14°14 | n.a. | M 4 |
| T 5 | 23 45 15 | 24°59'34 | 29°35 | 17°17 | 16°56 | 4°39 | 24°19 | 19°16 | 12°R 4 | 17°16 | 14°19 | 4°21 | 2°52 | 14°21 | n.a. | T 5 |
| W 6 | 23 49 12 | 26° 0'26 | 11♏47 | 18° 9 | 17°22 | 5°15 | 24°31 | 19°23 | 12° 4 | 17°19 | 14°20 | 4°12 | 2°49 | 14°28 | n.a. | W 6 |
| T 7 | 23 53 8 | 27° 1'18 | 24°10 | 18°56 | 17°50 | 5°52 | 24°43 | 19°30 | 12° 4 | 17°21 | 14°20 | 4° 5 | 2°46 | 14°34 | n.a. | T 7 |
| F 8 | 23 57 5 | 28° 2'12 | 6♐45 | 19°38 | 18°19 | 6°29 | 24°55 | 19°37 | 12° 4 | 17°23 | 14°21 | 4° 0 | 2°42 | 14°41 | n.a. | F 8 |
| S 9 | 0 1 2 | 29° 3'07 | 19°36 | 20°13 | 18°50 | 7° 6 | 25° 7 | 19°44 | 12° 3 | 17°25 | 14°22 | 3°58 | 2°39 | 14°48 | n.a. | S 9 |
| S 10 | 0 4 58 | 0♎ 4'03 | 2♑47 | 20°42 | 19°22 | 7°42 | 25°19 | 19°51 | 12° 3 | 17°28 | 14°23 | 3°D58 | 2°36 | 14°54 | n.a. | S 10 |
| M11 | 0 8 55 | 1° 5'01 | 16°20 | 21° 4 | 19°56 | 8°19 | 25°31 | 19°58 | 12° 3 | 17°30 | 14°24 | 3°58 | 2°33 | 15° 1 | n.a. | M11 |
| T 12 | 0 12 51 | 2° 5'59 | 0♒17 | 21°17 | 20°32 | 8°56 | 25°43 | 20° 5 | 12° 2 | 17°32 | 14°24 | 3°R59 | 2°30 | 15° 8 | n.a. | T 12 |
| W13 | 0 16 48 | 3° 6'58 | 14°40 | 21°R21 | 21° 8 | 9°32 | 25°55 | 20°11 | 12° 2 | 17°34 | 14°25 | 3°59 | 2°27 | 15°14 | n.a. | W13 |
| T 14 | 0 20 44 | 4° 7'58 | 29°27 | 21°16 | 21°46 | 10° 9 | 26° 6 | 20°18 | 12° 2 | 17°36 | 14°26 | 3°56 | 2°23 | 15°21 | n.a. | T 14 |
| F 15 | 0 24 41 | 5° 8'59 | 14♓31 | 21° 0 | 22°26 | 10°45 | 26°18 | 20°25 | 12° 1 | 17°39 | 14°26 | 3°51 | 2°20 | 15°28 | n.a. | F 15 |
| S 16 | 0 28 37 | 6°10'01 | 29°45 | 20°33 | 23° 6 | 11°22 | 26°30 | 20°32 | 12° 0 | 17°41 | 14°27 | 3°43 | 2°17 | 15°35 | n.a. | S 16 |
| S 17 | 0 32 34 | 7°11'04 | 14♈59 | 19°55 | 23°48 | 11°59 | 26°41 | 20°39 | 12° 0 | 17°43 | 14°27 | 3°34 | 2°14 | 15°41 | n.a. | S 17 |
| M18 | 0 36 31 | 8°12'08 | 0♉ 1 | 19° 6 | 24°31 | 12°35 | 26°53 | 20°46 | 11°59 | 17°45 | 14°28 | 3°24 | 2°11 | 15°48 | n.a. | M18 |
| T 19 | 0 40 27 | 9°13'13 | 14°42 | 18° 7 | 25°15 | 13°11 | 27° 4 | 20°53 | 11°58 | 17°47 | 14°29 | 3°14 | 2° 7 | 15°55 | n.a. | T 19 |
| W20 | 0 44 24 | 10°14'20 | 28°55 | 16°59 | 26° 0 | 13°48 | 27°15 | 20°59 | 11°58 | 17°49 | 14°29 | 3° 5 | 2° 4 | 16° 1 | n.a. | W20 |
| T 21 | 0 48 20 | 11°15'28 | 12♊39 | 15°43 | 26°46 | 14°24 | 27°26 | 21° 6 | 11°57 | 17°51 | 14°29 | 2°59 | 2° 1 | 16° 8 | n.a. | T 21 |
| F 22 | 0 52 17 | 12°16'37 | 25°52 | 14°23 | 27°33 | 15° 1 | 27°37 | 21°13 | 11°56 | 17°54 | 14°30 | 2°56 | 1°58 | 16°15 | n.a. | F 22 |
| S 23 | 0 56 13 | 13°17'47 | 8♋39 | 13° 0 | 28°21 | 15°37 | 27°48 | 21°20 | 11°55 | 17°56 | 14°30 | 2°D55 | 1°55 | 16°21 | n.a. | S 23 |
| S 24 | 1 0 10 | 14°18'59 | 21° 3 | 11°38 | 29°10 | 16°13 | 27°59 | 21°26 | 11°54 | 17°58 | 14°31 | 2°55 | 1°52 | 16°28 | n.a. | S 24 |
| M25 | 1 4 7 | 15°20'11 | 3♌11 | 10°19 | 29°59 | 16°50 | 28°10 | 21°33 | 11°53 | 18° 0 | 14°31 | 2°R55 | 1°48 | 16°35 | n.a. | M25 |
| T 26 | 1 8 3 | 16°21'25 | 15° 6 | 9° 6 | 0♍50 | 17°26 | 28°21 | 21°40 | 11°52 | 18° 2 | 14°31 | 2°54 | 1°45 | 16°41 | n.a. | T 26 |
| W27 | 1 12 0 | 17°22'39 | 26°56 | 8° 0 | 1°42 | 18° 2 | 28°32 | 21°46 | 11°51 | 18° 4 | 14°31 | 2°52 | 1°42 | 16°48 | n.a. | W27 |
| T 28 | 1 15 56 | 18°23'55 | 8♍43 | 7° 4 | 2°34 | 18°38 | 28°42 | 21°53 | 11°49 | 18° 6 | 14°32 | 2°46 | 1°39 | 16°55 | n.a. | T 28 |
| F 29 | 1 19 53 | 19°25'11 | 20°32 | 6°19 | 3°27 | 19°15 | 28°53 | 21°59 | 11°48 | 18° 8 | 14°32 | 2°38 | 1°36 | 17° 1 | n.a. | F 29 |
| S 30 | 1 23 49 | 20°26'28 | 2♎25 | 5°45 | 4°21 | 19°51 | 29° 3 | 22° 6 | 11°47 | 18°10 | 14°32 | 2°27 | 1°32 | 17° 8 | n.a. | S 30 |
| S 31 | 1 27 46 | 21♎27'46 | 14♎25 | 5♎22 | 5♍15 | 20♌27 | 29♌14 | 22♍12 | 11♊45 | 18♍12 | 14♋32 | 2♒13 | 1♒29 | 17♍15 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 3n40 | 4n25 | 3s 5 | 7s42 | 2s35 | 13n 4 | 3s37 | 21n28 | 1n26 | 15n11 | 1n18 | 6n42 | 2n23 | 22n54 | 0n13 | 7n 2 | 2n 1 | 35n29 | 12n25 | 19s25 | 19s52 | 3n21 | | n.a. | F 1 |
| S 2 | 3 15 | 0s58 | 3 52 | 8 10 | 2 38 | 13 10 | 3 24 | 21 20 | 1 26 | 15 7 | 1 18 | 6 39 | 2 23 | 22 54 | 0 13 | 7 2 | 2 1 | 35 29 | 12 25 | 19 26 | 19 53 | 3 18 | | n.a. | S 2 |
| S 3 | 2 51 | 6 20 | 4 28 | 8 36 | 2 39 | 13 16 | 3 12 | 21 12 | 1 27 | 15 2 | 1 18 | 6 37 | 2 23 | 22 54 | 0 13 | 7 1 | 2 1 | 35 29 | 12 26 | 19 29 | 19 53 | 3 15 | | n.a. | S 3 |
| M 4 | 2 26 | 11 30 | 4 53 | 9 1 | 2 40 | 13 21 | 2 59 | 21 3 | 1 27 | 14 58 | 1 18 | 6 34 | 2 23 | 22 54 | 0 13 | 7 0 | 2 1 | 35 29 | 12 26 | 19 31 | 19 54 | 3 12 | | n.a. | M 4 |
| T 5 | 2 2 | 16 17 | 5 5 | 9 23 | 2 41 | 13 25 | 2 47 | 20 54 | 1 28 | 14 54 | 1 18 | 6 31 | 2 23 | 22 54 | 0 13 | 6 59 | 2 1 | 35 30 | 12 26 | 19 34 | 19 55 | 3 8 | | n.a. | T 5 |
| W 6 | 1 37 | 20 28 | 5 3 | 9 43 | 2 40 | 13 29 | 2 35 | 20 46 | 1 28 | 14 50 | 1 18 | 6 28 | 2 23 | 22 54 | 0 13 | 6 58 | 2 1 | 35 30 | 12 27 | 19 36 | 19 56 | 3 5 | | n.a. | W 6 |
| T 7 | 1 12 | 23 50 | 4 48 | 10 0 | 2 39 | 13 31 | 2 24 | 20 37 | 1 29 | 14 46 | 1 18 | 6 25 | 2 23 | 22 54 | 0 13 | 6 57 | 2 1 | 35 30 | 12 27 | 19 38 | 19 56 | 3 2 | | n.a. | T 7 |
| F 8 | 0 48 | 26 7 | 4 18 | 10 14 | 2 36 | 13 33 | 2 12 | 20 28 | 1 29 | 14 42 | 1 18 | 6 23 | 2 23 | 22 54 | 0 13 | 6 56 | 2 1 | 35 31 | 12 28 | 19 39 | 19 57 | 2 59 | | n.a. | F 8 |
| S 9 | 0 23 | 27 4 | 3 35 | 10 24 | 2 33 | 13 34 | 2 1 | 20 19 | 1 30 | 14 38 | 1 19 | 6 20 | 2 23 | 22 54 | 0 13 | 6 55 | 2 1 | 35 31 | 12 28 | 19 39 | 19 58 | 2 56 | | n.a. | S 9 |
| S 10 | 0s 2 | 26 33 | 2 39 | 10 31 | 2 28 | 13 35 | 1 50 | 20 10 | 1 30 | 14 34 | 1 19 | 6 17 | 2 23 | 22 54 | 0 13 | 6 55 | 2 1 | 35 31 | 12 29 | 19 39 | 19 59 | 2 52 | | n.a. | S 10 |
| M11 | 0 26 | 24 27 | 1 33 | 10 34 | 2 22 | 13 34 | 1 39 | 20 0 | 1 30 | 14 30 | 1 19 | 6 14 | 2 23 | 22 54 | 0 13 | 6 54 | 2 1 | 35 32 | 12 29 | 19 39 | 19 59 | 2 49 | | n.a. | M11 |
| T 12 | 0 51 | 20 49 | 0 20 | 10 33 | 2 15 | 13 33 | 1 29 | 19 51 | 1 31 | 14 26 | 1 19 | 6 12 | 2 23 | 22 54 | 0 13 | 6 53 | 2 2 | 35 32 | 12 29 | 19 39 | 20 0 | 2 46 | | n.a. | T 12 |
| W13 | 1 16 | 15 51 | 0n57 | 10 26 | 2 6 | 13 30 | 1 18 | 19 41 | 1 31 | 14 23 | 1 19 | 6 9 | 2 23 | 22 54 | 0 13 | 6 52 | 2 2 | 35 32 | 12 30 | 19 39 | 20 1 | 2 43 | | n.a. | W13 |
| T 14 | 1 40 | 9 51 | 2 12 | 10 14 | 1 56 | 13 28 | 1 8 | 19 32 | 1 32 | 14 19 | 1 19 | 6 6 | 2 23 | 22 54 | 0 13 | 6 51 | 2 2 | 35 33 | 12 30 | 19 40 | 20 2 | 2 39 | | n.a. | T 14 |
| F 15 | 2 5 | 3 10 | 3 19 | 9 57 | 1 44 | 13 24 | 0 58 | 19 22 | 1 32 | 14 15 | 1 19 | 6 3 | 2 23 | 22 54 | 0 13 | 6 50 | 2 2 | 35 33 | 12 31 | 19 41 | 20 2 | 2 36 | | n.a. | F 15 |
| S 16 | 2 30 | 3n44 | 4 12 | 9 34 | 1 30 | 13 20 | 0 49 | 19 12 | 1 33 | 14 11 | 1 20 | 6 1 | 2 23 | 22 54 | 0 13 | 6 49 | 2 2 | 35 34 | 12 31 | 19 43 | 20 3 | 2 33 | | n.a. | S 16 |
| S 17 | 2 54 | 10 25 | 4 48 | 9 5 | 1 15 | 13 14 | 0 39 | 19 2 | 1 33 | 14 7 | 1 20 | 5 58 | 2 23 | 22 54 | 0 13 | 6 49 | 2 2 | 35 34 | 12 32 | 19 45 | 20 4 | 2 30 | | n.a. | S 17 |
| M18 | 3 19 | 16 24 | 5 3 | 8 31 | 0 58 | 13 8 | 0 30 | 18 52 | 1 34 | 14 3 | 1 20 | 5 55 | 2 23 | 22 54 | 0 13 | 6 48 | 2 2 | 35 34 | 12 32 | 19 47 | 20 5 | 2 27 | | n.a. | M18 |
| T 19 | 3 44 | 21 17 | 4 57 | 7 51 | 0 39 | 13 2 | 0 21 | 18 42 | 1 34 | 13 59 | 1 20 | 5 53 | 2 24 | 22 54 | 0 13 | 6 47 | 2 2 | 35 35 | 12 33 | 19 50 | 20 5 | 2 23 | | n.a. | T 19 |
| W20 | 4 8 | 24 46 | 4 33 | 7 6 | 0 20 | 12 54 | 0 13 | 18 32 | 1 35 | 13 55 | 1 20 | 5 50 | 2 24 | 22 54 | 0 13 | 6 46 | 2 2 | 35 35 | 12 33 | 19 52 | 20 6 | 2 20 | | n.a. | W20 |
| T 21 | 4 32 | 26 38 | 3 54 | 6 18 | 0n 1 | 12 46 | 0 4 | 18 21 | 1 35 | 13 52 | 1 20 | 5 47 | 2 24 | 22 54 | 0 13 | 6 45 | 2 2 | 35 35 | 12 33 | 19 53 | 20 7 | 2 17 | | n.a. | T 21 |
| F 22 | 4 57 | 26 55 | 3 4 | 5 27 | 0 21 | 12 37 | 0n 4 | 18 11 | 1 35 | 13 48 | 1 21 | 5 45 | 2 24 | 22 54 | 0 13 | 6 44 | 2 2 | 35 36 | 12 34 | 19 54 | 20 7 | 2 14 | | n.a. | F 22 |
| S 23 | 5 21 | 25 43 | 2 5 | 4 36 | 0 42 | 12 28 | 0 12 | 18 0 | 1 36 | 13 44 | 1 21 | 5 42 | 2 24 | 22 53 | 0 13 | 6 44 | 2 2 | 35 36 | 12 34 | 19 54 | 20 8 | 2 11 | | n.a. | S 23 |
| S 24 | 5 45 | 23 16 | 1 3 | 3 45 | 1 2 | 12 18 | 0 19 | 17 49 | 1 36 | 13 40 | 1 21 | 5 39 | 2 24 | 22 53 | 0 13 | 6 43 | 2 2 | 35 37 | 12 35 | 19 54 | 20 9 | 2 7 | | n.a. | S 24 |
| M25 | 6 9 | 19 49 | 0s 1 | 2 56 | 1 20 | 12 7 | 0 27 | 17 39 | 1 37 | 13 37 | 1 21 | 5 37 | 2 24 | 22 53 | 0 13 | 6 42 | 2 2 | 35 37 | 12 35 | 19 54 | 20 10 | 2 4 | | n.a. | M25 |
| T 26 | 6 33 | 15 37 | 1 4 | 2 11 | 1 37 | 11 55 | 0 34 | 17 28 | 1 37 | 13 33 | 1 21 | 5 34 | 2 24 | 22 53 | 0 13 | 6 41 | 2 2 | 35 38 | 12 36 | 19 54 | 20 10 | 2 1 | | n.a. | T 26 |
| W27 | 6 57 | 10 51 | 2 4 | 1 31 | 1 53 | 11 43 | 0 41 | 17 17 | 1 38 | 13 30 | 1 21 | 5 32 | 2 24 | 22 53 | 0 13 | 6 40 | 2 2 | 35 38 | 12 36 | 19 55 | 20 11 | 1 58 | | n.a. | W27 |
| T 28 | 7 21 | 5 44 | 2 58 | 0 56 | 2 6 | 11 30 | 0 48 | 17 6 | 1 38 | 13 26 | 1 22 | 5 29 | 2 24 | 22 53 | 0 13 | 6 40 | 2 2 | 35 38 | 12 37 | 19 56 | 20 12 | 1 54 | | n.a. | T 28 |
| F 29 | 7 45 | 0 25 | 3 44 | 0 28 | 2 17 | 11 17 | 0 54 | 16 55 | 1 39 | 13 22 | 1 22 | 5 27 | 2 24 | 22 53 | 0 13 | 6 39 | 2 2 | 35 39 | 12 37 | 19 58 | 20 12 | 1 51 | | n.a. | F 29 |
| S 30 | 8 9 | 4s57 | 4 20 | 0 6 | 2 27 | 11 3 | 1 1 | 16 43 | 1 39 | 13 19 | 1 22 | 5 24 | 2 25 | 22 52 | 0 13 | 6 38 | 2 2 | 35 39 | 12 38 | 20 1 | 20 13 | 1 48 | | n.a. | S 30 |
| S 31 | 8s32 | 10s10 | 4s46 | 0n10 | 2n34 | 10n48 | 1n 7 | 16n32 | 1n39 | 13n15 | 1n22 | 5n22 | 2n25 | 22n52 | 0n13 | 6n37 | 2n 2 | 35n40 | 12n38 | 20s 4 | 20s14 | 1n45 | | n.a. | S 31 |

Julian Day Number = 993387.5, Delta T = 12h59m47s
Ecliptic obliquity = 23°55'30, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'14, Lahiri = -31°26'14 Julian Calendar 1 Oct. 1994 BCE == Greg. Calendar 14 Sept. 1994 BCE

The year -1993 astronomical counting style corresponds to year 1994 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## NOVEMBER 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 31 42 | 22♎29'04 | 26♎33 | 5°R10 | 6♍10 | 21♌ 3 | 29♌24 | 22♍19 | 11°R44 | 18♍14 | 14♋32 | 1°R58 | 1♒26 | 17♍21 | n.a. | M 1 |
| T 2 | 1 35 39 | 23°30'22 | 8♏49 | 5°D 8 | 7° 5 | 21°39 | 29°34 | 22°25 | 11♊43 | 18°16 | 14°32 | 1♒44 | 1°23 | 17°28 | n.a. | T 2 |
| W 3 | 1 39 36 | 24°31'42 | 21°15 | 5♎16 | 8° 2 | 22°15 | 29°44 | 22°31 | 11°41 | 18°18 | 14°R32 | 1°30 | 1°20 | 17°35 | n.a. | W 3 |
| T 4 | 1 43 32 | 25°33'01 | 3♐50 | 5°33 | 8°58 | 22°51 | 29°54 | 22°38 | 11°40 | 18°20 | 14°32 | 1°19 | 1°17 | 17°42 | n.a. | T 4 |
| F 5 | 1 47 29 | 26°34'21 | 16°36 | 5°58 | 9°56 | 23°27 | 0♍ 4 | 22°44 | 11°38 | 18°21 | 14°32 | 1°11 | 1°13 | 17°48 | n.a. | F 5 |
| S 6 | 1 51 25 | 27°35'41 | 29°34 | 6°31 | 10°54 | 24° 2 | 0°14 | 22°50 | 11°36 | 18°23 | 14°32 | 1° 6 | 1°10 | 17°55 | n.a. | S 6 |
| S 7 | 1 55 22 | 28°37'01 | 12♑46 | 7°10 | 11°52 | 24°38 | 0°23 | 22°56 | 11°35 | 18°25 | 14°32 | 1° 4 | 1° 7 | 18° 2 | n.a. | S 7 |
| M 8 | 1 59 18 | 29°38'21 | 26°14 | 7°55 | 12°51 | 25°14 | 0°33 | 23° 2 | 11°33 | 18°27 | 14°32 | 1° 4 | 1° 4 | 18° 8 | n.a. | M 8 |
| T 9 | 2 3 15 | 0♏39'40 | 10♒ 1 | 8°45 | 13°50 | 25°50 | 0°42 | 23° 8 | 11°31 | 18°29 | 14°32 | 1° 4 | 1° 1 | 18°15 | n.a. | T 9 |
| W10 | 2 7 12 | 1°41'00 | 24° 7 | 9°40 | 14°50 | 26°25 | 0°52 | 23°14 | 11°29 | 18°30 | 14°32 | 1° 3 | 0°58 | 18°22 | n.a. | W10 |
| T 11 | 2 11 8 | 2°42'19 | 8♓33 | 10°39 | 15°51 | 27° 1 | 1° 1 | 23°20 | 11°28 | 18°32 | 14°31 | 0°59 | 0°54 | 18°28 | n.a. | T 11 |
| F 12 | 2 15 5 | 3°43'38 | 23°15 | 11°42 | 16°51 | 27°36 | 1°10 | 23°26 | 11°26 | 18°34 | 14°31 | 0°53 | 0°51 | 18°35 | n.a. | F 12 |
| S 13 | 2 19 1 | 4°44'57 | 8♈ 8 | 12°47 | 17°53 | 28°12 | 1°19 | 23°32 | 11°24 | 18°36 | 14°31 | 0°44 | 0°48 | 18°42 | n.a. | S 13 |
| S 14 | 2 22 58 | 5°46'16 | 23° 5 | 13°55 | 18°54 | 28°47 | 1°28 | 23°38 | 11°22 | 18°37 | 14°30 | 0°33 | 0°45 | 18°48 | n.a. | S 14 |
| M15 | 2 26 54 | 6°47'35 | 7♉56 | 15° 6 | 19°56 | 29°23 | 1°37 | 23°44 | 11°20 | 18°39 | 14°30 | 0°21 | 0°42 | 18°55 | n.a. | M15 |
| T 16 | 2 30 51 | 7°48'54 | 22°32 | 16°19 | 20°59 | 29°58 | 1°45 | 23°50 | 11°18 | 18°41 | 14°30 | 0° 9 | 0°38 | 19° 2 | n.a. | T 16 |
| W17 | 2 34 47 | 8°50'13 | 6♊46 | 17°34 | 22° 1 | 0♍34 | 1°54 | 23°55 | 11°16 | 18°42 | 14°29 | 29♑59 | 0°35 | 19° 8 | n.a. | W17 |
| T 18 | 2 38 44 | 9°51'32 | 20°33 | 18°51 | 23° 5 | 1° 9 | 2° 2 | 24° 1 | 11°14 | 18°44 | 14°29 | 29°51 | 0°32 | 19°15 | n.a. | T 18 |
| F 19 | 2 42 41 | 10°52'50 | 3♋52 | 20° 9 | 24° 8 | 1°44 | 2°10 | 24° 6 | 11°12 | 18°45 | 14°28 | 29°46 | 0°29 | 19°22 | n.a. | F 19 |
| S 20 | 2 46 37 | 11°54'09 | 16°44 | 21°29 | 25°12 | 2°19 | 2°18 | 24°12 | 11° 9 | 18°47 | 14°28 | 29°44 | 0°26 | 19°29 | n.a. | S 20 |
| S 21 | 2 50 34 | 12°55'28 | 29°13 | 22°49 | 26°16 | 2°54 | 2°26 | 24°17 | 11° 7 | 18°49 | 14°27 | 29°D43 | 0°23 | 19°35 | n.a. | S 21 |
| M22 | 2 54 30 | 13°56'47 | 11♌24 | 24°11 | 27°20 | 3°30 | 2°34 | 24°23 | 11° 5 | 18°50 | 14°27 | 29°R43 | 0°19 | 19°42 | n.a. | M22 |
| T 23 | 2 58 27 | 14°58'05 | 23°22 | 25°34 | 28°25 | 4° 5 | 2°42 | 24°28 | 11° 3 | 18°51 | 14°26 | 29°43 | 0°16 | 19°49 | n.a. | T 23 |
| W24 | 3 2 23 | 15°59'24 | 5♍12 | 26°58 | 29°30 | 4°39 | 2°50 | 24°33 | 11° 1 | 18°53 | 14°26 | 29°41 | 0°13 | 19°55 | n.a. | W24 |
| T 25 | 3 6 20 | 17° 0'42 | 17° 1 | 28°23 | 0♎36 | 5°14 | 2°57 | 24°38 | 10°58 | 18°54 | 14°25 | 29°37 | 0°10 | 20° 2 | n.a. | T 25 |
| F 26 | 3 10 17 | 18° 2'00 | 28°52 | 29°48 | 1°41 | 5°49 | 3° 4 | 24°44 | 10°56 | 18°56 | 14°24 | 29°30 | 0° 7 | 20° 9 | n.a. | F 26 |
| S 27 | 3 14 13 | 19° 3'17 | 10♎49 | 1♏15 | 2°47 | 6°24 | 3°12 | 24°49 | 10°53 | 18°57 | 14°23 | 29°21 | 0° 4 | 20°15 | n.a. | S 27 |
| S 28 | 3 18 10 | 20° 4'34 | 22°56 | 2°42 | 3°53 | 6°59 | 3°19 | 24°54 | 10°51 | 18°58 | 14°23 | 29° 9 | 0° 0 | 20°22 | n.a. | S 28 |
| M29 | 3 22 6 | 21° 5'51 | 5♏14 | 4° 9 | 4°59 | 7°33 | 3°26 | 24°58 | 10°49 | 19° 0 | 14°22 | 28°56 | 29♑57 | 20°29 | n.a. | M29 |
| T 30 | 3 26 3 | 22♏ 7'07 | 17♏45 | 5♏37 | 6♎ 6 | 8♍ 8 | 3♍32 | 25♍ 3 | 10♊46 | 19♍ 1 | 14♋21 | 28♑43 | 29♑54 | 20♍35 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 8s55 | 15s 3 | 4s58 | 0n20 | 2n39 | 10n33 | 1n13 | 16n21 | 1n40 | 13n12 | 1n22 | 5n19 | 2n25 | 22n52 | 0n13 | 6n37 | 2n 2 | 35n40 | 12n39 | 20s 7 | 20s15 | 1n42 | | n.a. |
| T 2 | 9 18 | 19 24 | 4 57 | 0 24 | 2 43 | 10 18 | 1 18 | 16 9 | 1 40 | 13 8 | 1 23 | 5 17 | 2 25 | 22 52 | 0 13 | 6 36 | 2 2 | 35 41 | 12 39 | 20 11 | 20 15 | 1 38 | | n.a. |
| W 3 | 9 42 | 22 58 | 4 42 | 0 23 | 2 45 | 10 1 | 1 24 | 15 58 | 1 41 | 13 5 | 1 23 | 5 14 | 2 25 | 22 52 | 0 13 | 6 35 | 2 2 | 35 41 | 12 39 | 20 14 | 20 16 | 1 35 | | n.a. |
| T 4 | 10 4 | 25 29 | 4 13 | 0 16 | 2 45 | 9 44 | 1 29 | 15 46 | 1 41 | 13 1 | 1 23 | 5 12 | 2 25 | 22 52 | 0 13 | 6 35 | 2 2 | 35 41 | 12 40 | 20 16 | 20 17 | 1 32 | | n.a. |
| F 5 | 10 27 | 26 44 | 3 32 | 0 5 | 2 45 | 9 27 | 1 34 | 15 34 | 1 42 | 12 58 | 1 23 | 5 9 | 2 25 | 22 51 | 0 13 | 6 34 | 2 2 | 35 42 | 12 40 | 20 18 | 20 17 | 1 29 | | n.a. |
| S 6 | 10 50 | 26 33 | 2 38 | 0s 9 | 2 43 | 9 9 | 1 39 | 15 23 | 1 42 | 12 55 | 1 23 | 5 7 | 2 25 | 22 51 | 0 13 | 6 33 | 2 2 | 35 42 | 12 41 | 20 19 | 20 18 | 1 26 | | n.a. |
| S 7 | 11 12 | 24 52 | 1 35 | 0 27 | 2 40 | 8 51 | 1 44 | 15 11 | 1 43 | 12 52 | 1 24 | 5 5 | 2 25 | 22 51 | 0 13 | 6 32 | 2 2 | 35 43 | 12 41 | 20 20 | 20 19 | 1 22 | | n.a. |
| M 8 | 11 34 | 21 45 | 0 25 | 0 49 | 2 37 | 8 32 | 1 48 | 14 59 | 1 43 | 12 48 | 1 24 | 5 2 | 2 26 | 22 51 | 0 13 | 6 32 | 2 2 | 35 43 | 12 42 | 20 20 | 20 20 | 1 19 | | n.a. |
| T 9 | 11 56 | 17 20 | 0n47 | 1 13 | 2 33 | 8 12 | 1 53 | 14 47 | 1 43 | 12 45 | 1 24 | 5 0 | 2 26 | 22 51 | 0 13 | 6 31 | 2 2 | 35 44 | 12 42 | 20 20 | 20 20 | 1 16 | | n.a. |
| W10 | 12 18 | 11 53 | 1 59 | 1 39 | 2 28 | 7 53 | 1 57 | 14 35 | 1 44 | 12 42 | 1 24 | 4 58 | 2 26 | 22 50 | 0 13 | 6 30 | 2 3 | 35 44 | 12 43 | 20 20 | 20 21 | 1 13 | | n.a. |
| T 11 | 12 39 | 5 42 | 3 4 | 2 7 | 2 23 | 7 32 | 2 1 | 14 23 | 1 44 | 12 39 | 1 25 | 4 55 | 2 26 | 22 50 | 0 13 | 6 30 | 2 3 | 35 45 | 12 43 | 20 21 | 20 22 | 1 10 | | n.a. |
| F 12 | 13 1 | 0n54 | 3 58 | 2 37 | 2 17 | 7 12 | 2 4 | 14 11 | 1 45 | 12 36 | 1 25 | 4 53 | 2 26 | 22 50 | 0 13 | 6 29 | 2 3 | 35 45 | 12 43 | 20 22 | 20 22 | 1 6 | | n.a. |
| S 13 | 13 22 | 7 31 | 4 37 | 3 9 | 2 11 | 6 50 | 2 8 | 13 59 | 1 45 | 12 33 | 1 25 | 4 51 | 2 26 | 22 50 | 0 13 | 6 28 | 2 3 | 35 46 | 12 44 | 20 24 | 20 23 | 1 3 | | n.a. |
| S 14 | 13 43 | 13 44 | 4 58 | 3 42 | 2 4 | 6 29 | 2 11 | 13 47 | 1 46 | 12 30 | 1 25 | 4 49 | 2 26 | 22 49 | 0 14 | 6 28 | 2 3 | 35 46 | 12 44 | 20 26 | 20 24 | 1 0 | | n.a. |
| M15 | 14 3 | 19 7 | 4 57 | 4 16 | 1 58 | 6 7 | 2 15 | 13 34 | 1 46 | 12 27 | 1 25 | 4 46 | 2 27 | 22 49 | 0 14 | 6 27 | 2 3 | 35 47 | 12 45 | 20 29 | 20 25 | 0 57 | | n.a. |
| T 16 | 14 24 | 23 15 | 4 38 | 4 51 | 1 51 | 5 45 | 2 18 | 13 22 | 1 46 | 12 24 | 1 26 | 4 44 | 2 27 | 22 49 | 0 14 | 6 27 | 2 3 | 35 47 | 12 45 | 20 32 | 20 25 | 0 54 | | n.a. |
| W17 | 14 44 | 25 50 | 4 1 | 5 26 | 1 44 | 5 22 | 2 20 | 13 10 | 1 47 | 12 21 | 1 26 | 4 42 | 2 27 | 22 49 | 0 14 | 6 26 | 2 3 | 35 48 | 12 46 | 20 34 | 20 26 | 0 50 | | n.a. |
| T 18 | 15 4 | 26 46 | 3 11 | 6 3 | 1 37 | 4 59 | 2 23 | 12 57 | 1 47 | 12 18 | 1 26 | 4 40 | 2 27 | 22 48 | 0 14 | 6 25 | 2 3 | 35 48 | 12 46 | 20 36 | 20 27 | 0 47 | | n.a. |
| F 19 | 15 23 | 26 4 | 2 12 | 6 40 | 1 29 | 4 36 | 2 26 | 12 45 | 1 48 | 12 15 | 1 26 | 4 38 | 2 27 | 22 48 | 0 14 | 6 25 | 2 3 | 35 49 | 12 47 | 20 37 | 20 27 | 0 44 | | n.a. |
| S 20 | 15 43 | 23 59 | 1 8 | 7 17 | 1 22 | 4 12 | 2 28 | 12 32 | 1 48 | 12 12 | 1 27 | 4 36 | 2 27 | 22 48 | 0 14 | 6 24 | 2 3 | 35 49 | 12 47 | 20 37 | 20 28 | 0 41 | | n.a. |
| S 21 | 16 2 | 20 46 | 0 3 | 7 54 | 1 14 | 3 48 | 2 30 | 12 20 | 1 49 | 12 10 | 1 27 | 4 34 | 2 28 | 22 47 | 0 14 | 6 24 | 2 3 | 35 50 | 12 47 | 20 37 | 20 29 | 0 38 | | n.a. |
| M22 | 16 21 | 16 43 | 1s 2 | 8 32 | 1 7 | 3 24 | 2 32 | 12 7 | 1 49 | 12 7 | 1 27 | 4 32 | 2 28 | 22 47 | 0 14 | 6 23 | 2 3 | 35 50 | 12 48 | 20 37 | 20 29 | 0 34 | | n.a. |
| T 23 | 16 39 | 12 5 | 2 2 | 9 10 | 0 59 | 2 59 | 2 34 | 11 54 | 1 50 | 12 4 | 1 27 | 4 30 | 2 28 | 22 47 | 0 14 | 6 23 | 2 3 | 35 50 | 12 48 | 20 37 | 20 30 | 0 31 | | n.a. |
| W24 | 16 57 | 7 4 | 2 56 | 9 48 | 0 52 | 2 34 | 2 36 | 11 42 | 1 50 | 12 2 | 1 28 | 4 28 | 2 28 | 22 46 | 0 14 | 6 22 | 2 3 | 35 51 | 12 49 | 20 38 | 20 31 | 0 28 | | n.a. |
| T 25 | 17 15 | 1 49 | 3 43 | 10 26 | 0 44 | 2 9 | 2 37 | 11 29 | 1 50 | 11 59 | 1 28 | 4 26 | 2 28 | 22 46 | 0 14 | 6 22 | 2 3 | 35 51 | 12 49 | 20 39 | 20 32 | 0 25 | | n.a. |
| F 26 | 17 33 | 3s30 | 4 20 | 11 3 | 0 37 | 1 44 | 2 38 | 11 16 | 1 51 | 11 57 | 1 28 | 4 24 | 2 28 | 22 46 | 0 14 | 6 21 | 2 3 | 35 52 | 12 49 | 20 40 | 20 32 | 0 22 | | n.a. |
| S 27 | 17 50 | 8 44 | 4 46 | 11 41 | 0 29 | 1 18 | 2 40 | 11 4 | 1 51 | 11 54 | 1 28 | 4 22 | 2 29 | 22 45 | 0 14 | 6 21 | 2 3 | 35 52 | 12 50 | 20 42 | 20 33 | 0 18 | | n.a. |
| S 28 | 18 7 | 13 43 | 5 0 | 12 19 | 0 22 | 0 53 | 2 41 | 10 51 | 1 52 | 11 52 | 1 29 | 4 20 | 2 29 | 22 45 | 0 14 | 6 20 | 2 4 | 35 53 | 12 50 | 20 45 | 20 34 | 0 15 | | n.a. |
| M29 | 18 24 | 18 13 | 5 0 | 12 56 | 0 15 | 0 27 | 2 42 | 10 38 | 1 52 | 11 50 | 1 29 | 4 18 | 2 29 | 22 45 | 0 14 | 6 20 | 2 4 | 35 53 | 12 51 | 20 47 | 20 34 | 0 12 | | n.a. |
| T 30 | 18s40 | 22s 1 | 4s45 | 13s33 | 0n 7 | 0n 0 | 2n42 | 10n25 | 1n52 | 11n48 | 1n29 | 4n17 | 2n29 | 22n44 | 0n14 | 6n19 | 2n 4 | 35n54 | 12n51 | 20s50 | 20s35 | 0n 9 | | n.a. |

Julian Day Number = 993418.5, Delta T = 12h59m45s
Ecliptic obliquity = 23°55'30, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'10, Lahiri = -31°26'09 Julian Calendar 1 Nov. 1994 BCE == Greg. Calendar 15 Oct. 1994 BCE


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# ASTRODIENST EPHEMERIS for the year 1994 BCE
# geocentric

## DECEMBER 1994 BCE (-1993) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 29 59 | 23♏ 8'23 | 0♐28 | 7♏ 6 | 7♎13 | 8♍42 | 3♍39 | 25♍ 8 | 10°R44 | 19♍ 2 | 14°R20 | 28°R31 | 29♑51 | 20♍42 | n.a. | W 1 |
| T 2 | 3 33 56 | 24° 9'38 | 13°23 | 8°36 | 8°20 | 9°17 | 3°45 | 25°13 | 10♊41 | 19° 3 | 14♋19 | 28♑21 | 29°48 | 20°49 | n.a. | T 2 |
| F 3 | 3 37 52 | 25°10'52 | 26°29 | 10° 6 | 9°27 | 9°51 | 3°52 | 25°17 | 10°39 | 19° 5 | 14°19 | 28°14 | 29°44 | 20°56 | n.a. | F 3 |
| S 4 | 3 41 49 | 26°12'05 | 9♑46 | 11°36 | 10°34 | 10°26 | 3°58 | 25°22 | 10°36 | 19° 6 | 14°18 | 28°10 | 29°41 | 21° 2 | n.a. | S 4 |
| S 5 | 3 45 46 | 27°13'17 | 23°13 | 13° 7 | 11°42 | 11° 0 | 4° 4 | 25°26 | 10°34 | 19° 7 | 14°17 | 28°D 8 | 29°38 | 21° 9 | n.a. | S 5 |
| M 6 | 3 49 42 | 28°14'27 | 6♒50 | 14°39 | 12°49 | 11°34 | 4°10 | 25°31 | 10°31 | 19° 8 | 14°16 | 28° 8 | 29°35 | 21°16 | n.a. | M 6 |
| T 7 | 3 53 39 | 29°15'37 | 20°39 | 16°11 | 13°57 | 12° 8 | 4°15 | 25°35 | 10°29 | 19° 9 | 14°15 | 28° 9 | 29°32 | 21°22 | n.a. | T 7 |
| W 8 | 3 57 35 | 0♐16'45 | 4♓39 | 17°44 | 15° 5 | 12°42 | 4°21 | 25°39 | 10°26 | 19°10 | 14°14 | 28°R 9 | 29°29 | 21°29 | n.a. | W 8 |
| T 9 | 4 1 32 | 1°17'52 | 18°50 | 19°18 | 16°13 | 13°16 | 4°26 | 25°44 | 10°24 | 19°11 | 14°13 | 28° 8 | 29°25 | 21°36 | n.a. | T 9 |
| F 10 | 4 5 28 | 2°18'58 | 3♈10 | 20°52 | 17°22 | 13°50 | 4°31 | 25°48 | 10°21 | 19°12 | 14°12 | 28° 4 | 29°22 | 21°42 | n.a. | F 10 |
| S 11 | 4 9 25 | 3°20'02 | 17°37 | 22°26 | 18°30 | 14°23 | 4°36 | 25°52 | 10°18 | 19°13 | 14°11 | 27°58 | 29°19 | 21°49 | n.a. | S 11 |
| S 12 | 4 13 22 | 4°21'05 | 2♉ 5 | 24° 1 | 19°39 | 14°57 | 4°41 | 25°56 | 10°16 | 19°14 | 14°10 | 27°50 | 29°16 | 21°56 | n.a. | S 12 |
| M13 | 4 17 18 | 5°22'06 | 16°30 | 25°37 | 20°48 | 15°31 | 4°46 | 25°59 | 10°13 | 19°15 | 14° 9 | 27°41 | 29°13 | 22° 3 | n.a. | M13 |
| T 14 | 4 21 15 | 6°23'07 | 0♊44 | 27°14 | 21°57 | 16° 4 | 4°50 | 26° 3 | 10°11 | 19°15 | 14° 7 | 27°32 | 29°10 | 22° 9 | n.a. | T 14 |
| W15 | 4 25 11 | 7°24'06 | 14°41 | 28°51 | 23° 6 | 16°38 | 4°55 | 26° 7 | 10° 8 | 19°16 | 14° 6 | 27°25 | 29° 6 | 22°16 | n.a. | W15 |
| T 16 | 4 29 8 | 8°25'04 | 28°19 | 0♐28 | 24°15 | 17°11 | 4°59 | 26°11 | 10° 5 | 19°17 | 14° 5 | 27°19 | 29° 3 | 22°23 | n.a. | T 16 |
| F 17 | 4 33 4 | 9°26'01 | 11♋33 | 2° 7 | 25°25 | 17°44 | 5° 3 | 26°14 | 10° 3 | 19°18 | 14° 4 | 27°15 | 29° 0 | 22°29 | n.a. | F 17 |
| S 18 | 4 37 1 | 10°26'57 | 24°25 | 3°46 | 26°34 | 18°17 | 5° 7 | 26°17 | 10° 0 | 19°18 | 14° 3 | 27°D14 | 28°57 | 22°36 | n.a. | S 18 |
| S 19 | 4 40 58 | 11°27'51 | 6♌57 | 5°26 | 27°44 | 18°50 | 5°11 | 26°21 | 9°57 | 19°19 | 14° 1 | 27°14 | 28°54 | 22°43 | n.a. | S 19 |
| M20 | 4 44 54 | 12°28'44 | 19°11 | 7° 6 | 28°53 | 19°23 | 5°14 | 26°24 | 9°55 | 19°20 | 14° 0 | 27°16 | 28°50 | 22°49 | n.a. | M20 |
| T 21 | 4 48 51 | 13°29'36 | 1♍12 | 8°48 | 0♏ 3 | 19°56 | 5°17 | 26°27 | 9°52 | 19°20 | 13°59 | 27°17 | 28°47 | 22°56 | n.a. | T 21 |
| W22 | 4 52 47 | 14°30'27 | 13° 5 | 10°30 | 1°13 | 20°29 | 5°20 | 26°30 | 9°50 | 19°21 | 13°58 | 27°R18 | 28°44 | 23° 3 | n.a. | W22 |
| T 23 | 4 56 44 | 15°31'17 | 24°56 | 12°12 | 2°23 | 21° 1 | 5°23 | 26°33 | 9°47 | 19°21 | 13°56 | 27°18 | 28°41 | 23°10 | n.a. | T 23 |
| F 24 | 5 0 40 | 16°32'05 | 6♎48 | 13°56 | 3°33 | 21°34 | 5°26 | 26°36 | 9°44 | 19°22 | 13°55 | 27°15 | 28°38 | 23°16 | n.a. | F 24 |
| S 25 | 5 4 37 | 17°32'52 | 18°48 | 15°40 | 4°44 | 22° 6 | 5°29 | 26°39 | 9°42 | 19°22 | 13°54 | 27°11 | 28°35 | 23°23 | n.a. | S 25 |
| S 26 | 5 8 33 | 18°33'38 | 0♏59 | 17°25 | 5°54 | 22°39 | 5°31 | 26°42 | 9°39 | 19°23 | 13°52 | 27° 6 | 28°31 | 23°30 | n.a. | S 26 |
| M27 | 5 12 30 | 19°34'23 | 13°24 | 19°11 | 7° 4 | 23°11 | 5°33 | 26°44 | 9°37 | 19°23 | 13°51 | 26°59 | 28°28 | 23°36 | n.a. | M27 |
| T 28 | 5 16 27 | 20°35'06 | 26° 5 | 20°58 | 8°15 | 23°43 | 5°35 | 26°47 | 9°34 | 19°24 | 13°50 | 26°52 | 28°25 | 23°43 | n.a. | T 28 |
| W29 | 5 20 23 | 21°35'47 | 9♐ 4 | 22°46 | 9°25 | 24°15 | 5°37 | 26°49 | 9°31 | 19°24 | 13°48 | 26°46 | 28°22 | 23°50 | n.a. | W29 |
| T 30 | 5 24 20 | 22°36'27 | 22°18 | 24°34 | 10°36 | 24°47 | 5°39 | 26°52 | 9°29 | 19°24 | 13°47 | 26°41 | 28°19 | 23°56 | n.a. | T 30 |
| F 31 | 5 28 16 | 23♐37'06 | 5♑48 | 26♐23 | 11♏47 | 25♍19 | 5♍40 | 26♍54 | 9♊26 | 19♍24 | 13♋45 | 26♑37 | 28♑16 | 24♍ 3 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 18s56 | 24s50 | 4s17 | 14s 9 | 0n 0 | 0s26 | 2n43 | 10n12 | 1n53 | 11n45 | 1n30 | 4n15 | 2n29 | 22n44 | 0n14 | 6n19 | 2n 4 | 35n54 | 12n51 | 20s53 | 20s36 | 0n 6 | | n.a. |
| T 2 | 19 12 | 26 25 | 3 34 | 14 46 | 0s 7 | 0 52 | 2 44 | 10 0 | 1 53 | 11 43 | 1 30 | 4 13 | 2 30 | 22 44 | 0 14 | 6 18 | 2 4 | 35 55 | 12 52 | 20 55 | 20 36 | 0 3 | | n.a. |
| F 3 | 19 27 | 26 33 | 2 40 | 15 21 | 0 14 | 1 19 | 2 44 | 9 47 | 1 54 | 11 41 | 1 30 | 4 12 | 2 30 | 22 43 | 0 14 | 6 18 | 2 4 | 35 55 | 12 52 | 20 56 | 20 37 | 0s 1 | | n.a. |
| S 4 | 19 42 | 25 10 | 1 36 | 15 57 | 0 21 | 1 45 | 2 44 | 9 34 | 1 54 | 11 39 | 1 30 | 4 10 | 2 30 | 22 43 | 0 14 | 6 18 | 2 4 | 35 56 | 12 53 | 20 57 | 20 38 | 0 4 | | n.a. |
| S 5 | 19 56 | 22 19 | 0 26 | 16 32 | 0 27 | 2 12 | 2 44 | 9 21 | 1 55 | 11 37 | 1 31 | 4 8 | 2 30 | 22 43 | 0 14 | 6 17 | 2 4 | 35 56 | 12 53 | 20 57 | 20 38 | 0 7 | | n.a. |
| M 6 | 20 10 | 18 12 | 0n46 | 17 6 | 0 34 | 2 39 | 2 44 | 9 8 | 1 55 | 11 35 | 1 31 | 4 7 | 2 30 | 22 42 | 0 14 | 6 17 | 2 4 | 35 57 | 12 53 | 20 57 | 20 39 | 0 10 | | n.a. |
| T 7 | 20 24 | 13 3 | 1 57 | 17 39 | 0 40 | 3 6 | 2 44 | 8 55 | 1 55 | 11 33 | 1 31 | 4 5 | 2 31 | 22 42 | 0 14 | 6 16 | 2 4 | 35 57 | 12 54 | 20 57 | 20 40 | 0 13 | | n.a. |
| W 8 | 20 37 | 7 11 | 3 2 | 18 12 | 0 46 | 3 33 | 2 44 | 8 42 | 1 56 | 11 32 | 1 31 | 4 4 | 2 31 | 22 42 | 0 14 | 6 16 | 2 4 | 35 58 | 12 54 | 20 57 | 20 40 | 0 17 | | n.a. |
| T 9 | 20 50 | 0 53 | 3 57 | 18 45 | 0 52 | 4 0 | 2 43 | 8 29 | 1 56 | 11 30 | 1 32 | 4 2 | 2 31 | 22 41 | 0 14 | 6 16 | 2 4 | 35 58 | 12 54 | 20 57 | 20 41 | 0 20 | | n.a. |
| F 10 | 21 3 | 5n31 | 4 37 | 19 16 | 0 58 | 4 27 | 2 43 | 8 16 | 1 57 | 11 28 | 1 32 | 4 1 | 2 31 | 22 41 | 0 14 | 6 15 | 2 4 | 35 59 | 12 55 | 20 58 | 20 42 | 0 23 | | n.a. |
| S 11 | 21 15 | 11 39 | 5 1 | 19 47 | 1 4 | 4 54 | 2 42 | 8 3 | 1 57 | 11 27 | 1 32 | 3 59 | 2 32 | 22 41 | 0 14 | 6 15 | 2 4 | 35 59 | 12 55 | 20 59 | 20 42 | 0 26 | | n.a. |
| S 12 | 21 27 | 17 11 | 5 5 | 20 17 | 1 9 | 5 21 | 2 41 | 7 50 | 1 57 | 11 25 | 1 33 | 3 58 | 2 32 | 22 40 | 0 14 | 6 15 | 2 4 | 36 0 | 12 55 | 21 1 | 20 43 | 0 29 | | n.a. |
| M13 | 21 38 | 21 43 | 4 49 | 20 46 | 1 15 | 5 48 | 2 41 | 7 38 | 1 58 | 11 24 | 1 33 | 3 56 | 2 32 | 22 40 | 0 14 | 6 15 | 2 5 | 36 0 | 12 56 | 21 3 | 20 44 | 0 32 | | n.a. |
| T 14 | 21 49 | 24 53 | 4 16 | 21 14 | 1 20 | 6 15 | 2 40 | 7 25 | 1 58 | 11 22 | 1 33 | 3 55 | 2 32 | 22 39 | 0 14 | 6 14 | 2 5 | 36 1 | 12 56 | 21 4 | 20 44 | 0 36 | | n.a. |
| W15 | 21 59 | 26 28 | 3 28 | 21 41 | 1 24 | 6 43 | 2 38 | 7 12 | 1 59 | 11 21 | 1 34 | 3 54 | 2 32 | 22 39 | 0 14 | 6 14 | 2 5 | 36 1 | 12 56 | 21 6 | 20 45 | 0 39 | | n.a. |
| T 16 | 22 9 | 26 24 | 2 29 | 22 7 | 1 29 | 7 10 | 2 37 | 6 59 | 1 59 | 11 20 | 1 34 | 3 53 | 2 33 | 22 39 | 0 14 | 6 14 | 2 5 | 36 1 | 12 57 | 21 7 | 20 46 | 0 42 | | n.a. |
| F 17 | 22 19 | 24 48 | 1 24 | 22 31 | 1 33 | 7 36 | 2 36 | 6 46 | 1 59 | 11 18 | 1 34 | 3 51 | 2 33 | 22 38 | 0 14 | 6 14 | 2 5 | 36 2 | 12 57 | 21 8 | 20 46 | 0 45 | | n.a. |
| S 18 | 22 28 | 21 55 | 0 15 | 22 55 | 1 37 | 8 3 | 2 35 | 6 33 | 2 0 | 11 17 | 1 34 | 3 50 | 2 33 | 22 38 | 0 14 | 6 13 | 2 5 | 36 2 | 12 57 | 21 8 | 20 47 | 0 48 | | n.a. |
| S 19 | 22 37 | 18 4 | 0s52 | 23 18 | 1 41 | 8 30 | 2 33 | 6 20 | 2 0 | 11 16 | 1 35 | 3 49 | 2 33 | 22 38 | 0 14 | 6 13 | 2 5 | 36 3 | 12 58 | 21 8 | 20 48 | 0 51 | | n.a. |
| M20 | 22 45 | 13 32 | 1 56 | 23 39 | 1 44 | 8 57 | 2 31 | 6 7 | 2 0 | 11 15 | 1 35 | 3 48 | 2 34 | 22 37 | 0 14 | 6 13 | 2 5 | 36 3 | 12 58 | 21 8 | 20 48 | 0 55 | | n.a. |
| T 21 | 22 53 | 8 34 | 2 53 | 23 59 | 1 47 | 9 23 | 2 30 | 5 55 | 2 1 | 11 14 | 1 35 | 3 47 | 2 34 | 22 37 | 0 14 | 6 13 | 2 5 | 36 4 | 12 58 | 21 7 | 20 49 | 0 58 | | n.a. |
| W22 | 23 0 | 3 21 | 3 43 | 24 17 | 1 50 | 9 50 | 2 28 | 5 42 | 2 1 | 11 13 | 1 36 | 3 46 | 2 34 | 22 36 | 0 14 | 6 13 | 2 5 | 36 4 | 12 58 | 21 7 | 20 50 | 1 1 | | n.a. |
| T 23 | 23 7 | 1s57 | 4 22 | 24 34 | 1 52 | 10 16 | 2 26 | 5 29 | 2 2 | 11 12 | 1 36 | 3 45 | 2 34 | 22 36 | 0 14 | 6 13 | 2 5 | 36 4 | 12 59 | 21 7 | 20 50 | 1 4 | | n.a. |
| F 24 | 23 14 | 7 11 | 4 51 | 24 50 | 1 55 | 10 42 | 2 24 | 5 16 | 2 2 | 11 12 | 1 36 | 3 44 | 2 35 | 22 36 | 0 14 | 6 12 | 2 5 | 36 5 | 12 59 | 21 8 | 20 51 | 1 7 | | n.a. |
| S 25 | 23 20 | 12 13 | 5 7 | 25 4 | 1 56 | 11 8 | 2 22 | 5 3 | 2 2 | 11 11 | 1 37 | 3 43 | 2 35 | 22 35 | 0 14 | 6 12 | 2 5 | 36 5 | 12 59 | 21 9 | 20 52 | 1 10 | | n.a. |
| S 26 | 23 25 | 16 52 | 5 9 | 25 16 | 1 57 | 11 33 | 2 20 | 4 51 | 2 3 | 11 10 | 1 37 | 3 42 | 2 35 | 22 35 | 0 14 | 6 12 | 2 5 | 36 6 | 13 0 | 21 10 | 20 52 | 1 14 | | n.a. |
| M27 | 23 30 | 20 53 | 4 57 | 25 26 | 1 58 | 11 59 | 2 18 | 4 38 | 2 3 | 11 10 | 1 37 | 3 41 | 2 35 | 22 34 | 0 14 | 6 12 | 2 6 | 36 6 | 13 0 | 21 11 | 20 53 | 1 17 | | n.a. |
| T 28 | 23 35 | 24 3 | 4 31 | 25 35 | 1 59 | 12 24 | 2 16 | 4 25 | 2 3 | 11 9 | 1 38 | 3 41 | 2 36 | 22 34 | 0 14 | 6 12 | 2 6 | 36 7 | 13 0 | 21 12 | 20 54 | 1 20 | | n.a. |
| W29 | 23 39 | 26 3 | 3 50 | 25 42 | 1 59 | 12 49 | 2 13 | 4 13 | 2 4 | 11 9 | 1 38 | 3 40 | 2 36 | 22 34 | 0 14 | 6 12 | 2 6 | 36 7 | 13 0 | 21 14 | 20 54 | 1 23 | | n.a. |
| T 30 | 23 43 | 26 37 | 2 56 | 25 46 | 1 58 | 13 14 | 2 11 | 4 0 | 2 4 | 11 8 | 1 38 | 3 39 | 2 36 | 22 33 | 0 14 | 6 12 | 2 6 | 36 7 | 13 0 | 21 15 | 20 55 | 1 26 | | n.a. |
| F 31 | 23s46 | 25s39 | 1s51 | 25s49 | 1s57 | 13s39 | 2n 8 | 3n48 | 2n 4 | 11n 8 | 1n38 | 3n38 | 2n36 | 22n33 | 0n14 | 6n12 | 2n 6 | 36n 8 | 13n 1 | 21s15 | 20s56 | 1s29 | | n.a. |

Julian Day Number = 993448.5, Delta T = 12h59m43s
Ecliptic obliquity = 23°55'29, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'06, Lahiri = -31°26'05 Julian Calendar 1 Dec. 1994 BCE == Greg. Calendar 14 Nov. 1994 BCE

The year -1993 astronomical counting style corresponds to year 1994 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## JANUARY 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 32 13 | 24♐37'42 | 19♑31 | 28♐12 | 12♏58 | 25♍50 | 5♍42 | 26♍56 | 9°R24 | 19♍25 | 13°R44 | 26°R36 | 28♑12 | 24♍10 | n.a. | S 1 |
| S 2 | 5 36 9 | 25°38'17 | 3♒24 | 0♑ 3 | 14° 8 | 26°22 | 5°43 | 26°58 | 9♊21 | 19°25 | 13♋42 | 26°D36 | 28° 9 | 24°17 | n.a. | S 2 |
| M 3 | 5 40 6 | 26°38'49 | 17°24 | 1°53 | 15°19 | 26°53 | 5°44 | 27° 0 | 9°19 | 19°25 | 13°41 | 26♑37 | 28° 6 | 24°23 | n.a. | M 3 |
| T 4 | 5 44 3 | 27°39'20 | 1♓30 | 3°45 | 16°30 | 27°24 | 5°44 | 27° 2 | 9°16 | 19°25 | 13°40 | 26°38 | 28° 3 | 24°30 | n.a. | T 4 |
| W 5 | 5 47 59 | 28°39'48 | 15°39 | 5°36 | 17°41 | 27°55 | 5°45 | 27° 4 | 9°14 | 19°25 | 13°38 | 26°40 | 28° 0 | 24°37 | n.a. | W 5 |
| T 6 | 5 51 56 | 29°40'14 | 29°49 | 7°28 | 18°52 | 28°26 | 5°45 | 27° 5 | 9°12 | 19°25 | 13°37 | 26°R40 | 27°56 | 24°43 | n.a. | T 6 |
| F 7 | 5 55 52 | 0♑40'38 | 13♈59 | 9°20 | 20° 4 | 28°57 | 5°R45 | 27° 7 | 9° 9 | 19°R25 | 13°35 | 26°40 | 27°53 | 24°50 | n.a. | F 7 |
| S 8 | 5 59 49 | 1°41'00 | 28° 6 | 11°12 | 21°15 | 29°27 | 5°45 | 27° 8 | 9° 7 | 19°25 | 13°34 | 26°38 | 27°50 | 24°57 | n.a. | S 8 |
| S 9 | 6 3 45 | 2°41'20 | 12♉ 8 | 13° 3 | 22°26 | 29°58 | 5°45 | 27°10 | 9° 4 | 19°25 | 13°32 | 26°35 | 27°47 | 25° 3 | n.a. | S 9 |
| M10 | 6 7 42 | 3°41'37 | 26° 3 | 14°54 | 23°37 | 0♎28 | 5°45 | 27°11 | 9° 2 | 19°25 | 13°31 | 26°31 | 27°44 | 25°10 | n.a. | M10 |
| T 11 | 6 11 38 | 4°41'53 | 9♊47 | 16°44 | 24°49 | 0°58 | 5°44 | 27°12 | 9° 0 | 19°25 | 13°29 | 26°28 | 27°41 | 25°17 | n.a. | T 11 |
| W12 | 6 15 35 | 5°42'06 | 23°18 | 18°33 | 26° 0 | 1°28 | 5°43 | 27°13 | 8°58 | 19°25 | 13°28 | 26°25 | 27°37 | 25°24 | n.a. | W12 |
| T 13 | 6 19 32 | 6°42'18 | 6♋34 | 20°20 | 27°11 | 1°58 | 5°42 | 27°14 | 8°55 | 19°25 | 13°26 | 26°23 | 27°34 | 25°30 | n.a. | T 13 |
| F 14 | 6 23 28 | 7°42'27 | 19°34 | 22° 5 | 28°23 | 2°27 | 5°41 | 27°15 | 8°53 | 19°25 | 13°24 | 26°22 | 27°31 | 25°37 | n.a. | F 14 |
| S 15 | 6 27 25 | 8°42'34 | 2♌16 | 23°48 | 29°34 | 2°57 | 5°40 | 27°16 | 8°51 | 19°24 | 13°23 | 26°D22 | 27°28 | 25°44 | n.a. | S 15 |
| S 16 | 6 31 21 | 9°42'39 | 14°43 | 25°28 | 0♐46 | 3°26 | 5°38 | 27°16 | 8°49 | 19°24 | 13°21 | 26°23 | 27°25 | 25°50 | n.a. | S 16 |
| M17 | 6 35 18 | 10°42'43 | 26°56 | 27° 4 | 1°58 | 3°55 | 5°37 | 27°17 | 8°47 | 19°24 | 13°20 | 26°24 | 27°22 | 25°57 | n.a. | M17 |
| T 18 | 6 39 14 | 11°42'44 | 8♍58 | 28°36 | 3° 9 | 4°24 | 5°35 | 27°18 | 8°45 | 19°23 | 13°18 | 26°26 | 27°18 | 26° 4 | n.a. | T 18 |
| W19 | 6 43 11 | 12°42'44 | 20°52 | 0♒ 3 | 4°21 | 4°53 | 5°33 | 27°18 | 8°43 | 19°23 | 13°17 | 26°27 | 27°15 | 26°10 | n.a. | W19 |
| T 20 | 6 47 7 | 13°42'42 | 2♎44 | 1°25 | 5°33 | 5°22 | 5°30 | 27°18 | 8°40 | 19°23 | 13°15 | 26°28 | 27°12 | 26°17 | n.a. | T 20 |
| F 21 | 6 51 4 | 14°42'38 | 14°38 | 2°42 | 6°44 | 5°50 | 5°28 | 27°18 | 8°39 | 19°22 | 13°14 | 26°R28 | 27° 9 | 26°24 | n.a. | F 21 |
| S 22 | 6 55 0 | 15°42'32 | 26°37 | 3°52 | 7°56 | 6°18 | 5°25 | 27°R18 | 8°37 | 19°22 | 13°12 | 26°28 | 27° 6 | 26°31 | n.a. | S 22 |
| S 23 | 6 58 57 | 16°42'24 | 8♏48 | 4°55 | 9° 8 | 6°46 | 5°22 | 27°18 | 8°35 | 19°21 | 13°11 | 26°27 | 27° 2 | 26°37 | n.a. | S 23 |
| M24 | 7 2 54 | 17°42'14 | 21°15 | 5°51 | 10°20 | 7°14 | 5°19 | 27°18 | 8°33 | 19°21 | 13° 9 | 26°26 | 26°59 | 26°44 | n.a. | M24 |
| T 25 | 7 6 50 | 18°42'03 | 3♐59 | 6°39 | 11°32 | 7°41 | 5°16 | 27°18 | 8°31 | 19°20 | 13° 7 | 26°25 | 26°56 | 26°51 | n.a. | T 25 |
| W26 | 7 10 47 | 19°41'49 | 17° 5 | 7°19 | 12°44 | 8° 9 | 5°13 | 27°18 | 8°29 | 19°20 | 13° 6 | 26°24 | 26°53 | 26°57 | n.a. | W26 |
| T 27 | 7 14 43 | 20°41'34 | 0♑33 | 7°50 | 13°56 | 8°36 | 5° 9 | 27°17 | 8°27 | 19°19 | 13° 4 | 26°23 | 26°50 | 27° 4 | n.a. | T 27 |
| F 28 | 7 18 40 | 21°41'16 | 14°21 | 8°13 | 15° 8 | 9° 2 | 5° 6 | 27°17 | 8°26 | 19°18 | 13° 3 | 26°23 | 26°47 | 27°11 | n.a. | F 28 |
| S 29 | 7 22 36 | 22°40'57 | 28°27 | 8°28 | 16°20 | 9°29 | 5° 2 | 27°16 | 8°24 | 19°18 | 13° 1 | 26°D23 | 26°43 | 27°18 | n.a. | S 29 |
| S 30 | 7 26 33 | 23°40'35 | 12♒48 | 8°R34 | 17°32 | 9°55 | 4°58 | 27°15 | 8°22 | 19°17 | 13° 0 | 26°23 | 26°40 | 27°24 | n.a. | S 30 |
| M31 | 7 30 29 | 24♑40'11 | 27♒17 | 8♒31 | 18♐44 | 10♎21 | 4♍53 | 27♍15 | 8♊21 | 19♍16 | 12♋58 | 26♑23 | 26♑37 | 27♍31 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 23 s49 | 23 s 7 | 0 s39 | 25 s50 | 1 s55 | 14 s 3 | 2n 6 | 3n35 | 2n 5 | 11n 8 | 1n39 | 3n38 | 2n37 | 22n33 | 0n14 | 6n12 | 2n 6 | 36n 8 | 13n 1 | 21 s16 | 20 s56 | 1 s32 | | n.a. | S 1 |
| S 2 | 23 51 | 19 11 | 0n37 | 25 49 | 1 53 | 14 27 | 2 3 | 3 23 | 2 5 | 11 8 | 1 39 | 3 37 | 2 37 | 22 32 | 0 14 | 6 12 | 2 6 | 36 8 | 13 1 | 21 16 | 20 57 | 1 36 | | n.a. | S 2 |
| M 3 | 23 53 | 14 10 | 1 51 | 25 45 | 1 50 | 14 50 | 2 1 | 3 10 | 2 5 | 11 8 | 1 39 | 3 37 | 2 37 | 22 32 | 0 14 | 6 12 | 2 6 | 36 9 | 13 1 | 21 15 | 20 58 | 1 39 | | n.a. | M 3 |
| T 4 | 23 54 | 8 22 | 3 0 | 25 39 | 1 47 | 15 14 | 1 58 | 2 58 | 2 6 | 11 8 | 1 40 | 3 36 | 2 37 | 22 31 | 0 14 | 6 12 | 2 6 | 36 9 | 13 2 | 21 15 | 20 58 | 1 42 | | n.a. | T 4 |
| W 5 | 23 55 | 2 8 | 3 57 | 25 31 | 1 43 | 15 37 | 1 55 | 2 46 | 2 6 | 11 8 | 1 40 | 3 36 | 2 38 | 22 31 | 0 14 | 6 12 | 2 6 | 36 10 | 13 2 | 21 15 | 20 59 | 1 45 | | n.a. | W 5 |
| T 6 | 23 55 | 4n11 | 4 40 | 25 21 | 1 38 | 15 59 | 1 52 | 2 34 | 2 6 | 11 8 | 1 40 | 3 35 | 2 38 | 22 31 | 0 14 | 6 12 | 2 6 | 36 10 | 13 2 | 21 15 | 21 0 | 1 48 | | n.a. | T 6 |
| F 7 | 23 55 | 10 18 | 5 6 | 25 8 | 1 33 | 16 21 | 1 50 | 2 21 | 2 7 | 11 8 | 1 41 | 3 35 | 2 38 | 22 30 | 0 14 | 6 12 | 2 6 | 36 10 | 13 2 | 21 15 | 21 0 | 1 51 | | n.a. | F 7 |
| S 8 | 23 55 | 15 52 | 5 14 | 24 53 | 1 27 | 16 43 | 1 47 | 2 9 | 2 7 | 11 9 | 1 41 | 3 34 | 2 38 | 22 30 | 0 14 | 6 12 | 2 6 | 36 11 | 13 2 | 21 15 | 21 1 | 1 54 | | n.a. | S 8 |
| S 9 | 23 54 | 20 34 | 5 2 | 24 36 | 1 20 | 17 5 | 1 44 | 1 57 | 2 7 | 11 9 | 1 41 | 3 34 | 2 39 | 22 30 | 0 14 | 6 12 | 2 7 | 36 11 | 13 2 | 21 16 | 21 2 | 1 58 | | n.a. | S 9 |
| M10 | 23 52 | 24 5 | 4 33 | 24 16 | 1 13 | 17 26 | 1 41 | 1 45 | 2 7 | 11 9 | 1 42 | 3 34 | 2 39 | 22 29 | 0 14 | 6 12 | 2 7 | 36 11 | 13 3 | 21 17 | 21 2 | 2 1 | | n.a. | M10 |
| T 11 | 23 50 | 26 8 | 3 49 | 23 55 | 1 4 | 17 47 | 1 38 | 1 33 | 2 8 | 11 10 | 1 42 | 3 34 | 2 39 | 22 29 | 0 14 | 6 12 | 2 7 | 36 12 | 13 3 | 21 17 | 21 3 | 2 4 | | n.a. | T 11 |
| W12 | 23 48 | 26 37 | 2 52 | 23 31 | 0 55 | 18 7 | 1 35 | 1 21 | 2 8 | 11 11 | 1 42 | 3 33 | 2 40 | 22 28 | 0 14 | 6 12 | 2 7 | 36 12 | 13 3 | 21 18 | 21 3 | 2 7 | | n.a. | W12 |
| T 13 | 23 45 | 25 32 | 1 47 | 23 6 | 0 45 | 18 27 | 1 32 | 1 9 | 2 8 | 11 11 | 1 42 | 3 33 | 2 40 | 22 28 | 0 14 | 6 13 | 2 7 | 36 12 | 13 3 | 21 18 | 21 4 | 2 10 | | n.a. | T 13 |
| F 14 | 23 42 | 23 5 | 0 37 | 22 39 | 0 35 | 18 46 | 1 29 | 0 58 | 2 8 | 11 12 | 1 43 | 3 33 | 2 40 | 22 28 | 0 14 | 6 13 | 2 7 | 36 12 | 13 3 | 21 18 | 21 5 | 2 13 | | n.a. | F 14 |
| S 15 | 23 38 | 19 31 | 0 s33 | 22 10 | 0 24 | 19 5 | 1 25 | 0 46 | 2 9 | 11 13 | 1 43 | 3 33 | 2 40 | 22 27 | 0 14 | 6 13 | 2 7 | 36 13 | 13 3 | 21 18 | 21 5 | 2 16 | | n.a. | S 15 |
| S 16 | 23 34 | 15 10 | 1 40 | 21 40 | 0 12 | 19 23 | 1 22 | 0 34 | 2 9 | 11 14 | 1 43 | 3 33 | 2 41 | 22 27 | 0 14 | 6 13 | 2 7 | 36 13 | 13 3 | 21 18 | 21 6 | 2 20 | | n.a. | S 16 |
| M17 | 23 29 | 10 16 | 2 41 | 21 9 | 0n 1 | 19 41 | 1 19 | 0 23 | 2 9 | 11 14 | 1 44 | 3 33 | 2 41 | 22 27 | 0 14 | 6 13 | 2 7 | 36 13 | 13 3 | 21 18 | 21 7 | 2 23 | | n.a. | M17 |
| T 18 | 23 24 | 5 4 | 3 34 | 20 38 | 0 14 | 19 58 | 1 16 | 0 11 | 2 9 | 11 15 | 1 44 | 3 33 | 2 41 | 22 26 | 0 14 | 6 13 | 2 7 | 36 14 | 13 3 | 21 18 | 21 7 | 2 26 | | n.a. | T 18 |
| W19 | 23 18 | 0 s15 | 4 18 | 20 6 | 0 28 | 20 15 | 1 13 | 0 s 0 | 2 10 | 11 17 | 1 44 | 3 33 | 2 41 | 22 26 | 0 14 | 6 14 | 2 7 | 36 14 | 13 4 | 21 17 | 21 8 | 2 29 | | n.a. | W19 |
| T 20 | 23 12 | 5 32 | 4 50 | 19 34 | 0 42 | 20 32 | 1 9 | 0 12 | 2 10 | 11 18 | 1 45 | 3 33 | 2 42 | 22 26 | 0 14 | 6 14 | 2 7 | 36 14 | 13 4 | 21 17 | 21 9 | 2 32 | | n.a. | T 20 |
| F 21 | 23 6 | 10 37 | 5 10 | 19 2 | 0 56 | 20 47 | 1 6 | 0 23 | 2 10 | 11 19 | 1 45 | 3 34 | 2 42 | 22 25 | 0 14 | 6 14 | 2 7 | 36 14 | 13 4 | 21 17 | 21 9 | 2 35 | | n.a. | F 21 |
| S 22 | 22 59 | 15 22 | 5 17 | 18 32 | 1 11 | 21 3 | 1 3 | 0 34 | 2 10 | 11 20 | 1 45 | 3 34 | 2 42 | 22 25 | 0 14 | 6 14 | 2 7 | 36 15 | 13 4 | 21 17 | 21 10 | 2 38 | | n.a. | S 22 |
| S 23 | 22 51 | 19 35 | 5 9 | 18 2 | 1 26 | 21 17 | 0 59 | 0 45 | 2 10 | 11 21 | 1 45 | 3 34 | 2 42 | 22 25 | 0 14 | 6 15 | 2 8 | 36 15 | 13 4 | 21 17 | 21 10 | 2 41 | | n.a. | S 23 |
| M24 | 22 44 | 23 3 | 4 48 | 17 33 | 1 41 | 21 32 | 0 56 | 0 56 | 2 10 | 11 23 | 1 46 | 3 34 | 2 43 | 22 25 | 0 14 | 6 15 | 2 8 | 36 15 | 13 4 | 21 18 | 21 11 | 2 45 | | n.a. | M24 |
| T 25 | 22 35 | 25 29 | 4 11 | 17 7 | 1 56 | 21 45 | 0 53 | 1 7 | 2 11 | 11 24 | 1 46 | 3 35 | 2 43 | 22 24 | 0 14 | 6 15 | 2 8 | 36 15 | 13 4 | 21 18 | 21 12 | 2 48 | | n.a. | T 25 |
| W26 | 22 27 | 26 37 | 3 21 | 16 42 | 2 11 | 21 58 | 0 49 | 1 18 | 2 11 | 11 26 | 1 46 | 3 35 | 2 43 | 22 24 | 0 14 | 6 16 | 2 8 | 36 15 | 13 4 | 21 18 | 21 12 | 2 51 | | n.a. | W26 |
| T 27 | 22 18 | 26 14 | 2 18 | 16 20 | 2 26 | 22 10 | 0 46 | 1 29 | 2 11 | 11 27 | 1 46 | 3 35 | 2 43 | 22 24 | 0 14 | 6 16 | 2 8 | 36 16 | 13 4 | 21 18 | 21 13 | 2 54 | | n.a. | T 27 |
| F 28 | 22 8 | 24 14 | 1 6 | 16 1 | 2 39 | 22 22 | 0 43 | 1 39 | 2 11 | 11 29 | 1 47 | 3 36 | 2 44 | 22 23 | 0 14 | 6 16 | 2 8 | 36 16 | 13 4 | 21 18 | 21 14 | 2 57 | | n.a. | F 28 |
| S 29 | 21 58 | 20 42 | 0n12 | 15 44 | 2 53 | 22 33 | 0 40 | 1 50 | 2 11 | 11 31 | 1 47 | 3 36 | 2 44 | 22 23 | 0 14 | 6 17 | 2 8 | 36 16 | 13 4 | 21 18 | 21 14 | 3 0 | | n.a. | S 29 |
| S 30 | 21 48 | 15 53 | 1 30 | 15 31 | 3 5 | 22 44 | 0 36 | 2 0 | 2 11 | 11 33 | 1 47 | 3 37 | 2 44 | 22 23 | 0 14 | 6 17 | 2 8 | 36 16 | 13 4 | 21 18 | 21 15 | 3 3 | | n.a. | S 30 |
| M31 | 21 s37 | 10 s 7 | 2n43 | 15 s21 | 3n16 | 22 s53 | 0n33 | 2 s11 | 2n11 | 11n34 | 1n48 | 3n37 | 2n44 | 22n23 | 0n14 | 6n17 | 2n 8 | 36n16 | 13n 4 | 21 s18 | 21 s15 | 3 s 6 | | n.a. | M31 |

Julian Day Number = 993479.5, Delta T = 12h59m41s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°33'02, Lahiri = -31°26'01 Julian Calendar 1 Jan. 1993 BCE == Greg. Calendar 15 Dec. 1994 BCE

The year -1992 astronomical counting style corresponds to year 1993 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## FEBRUARY 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 34 26 | 25♉39'44 | 11♓50 | 8°R21 | 19♐56 | 10♎47 | 4°R49 | 27°R14 | 8°R19 | 19°R15 | 12°R57 | 26♉23 | 26♉34 | 27♍38 | n.a. | T 1 |
| W 2 | 7 38 23 | 26°39'14 | 26°20 | 8♒ 2 | 21° 8 | 11°13 | 4♍44 | 27♍13 | 8♊18 | 19♍15 | 12♋55 | 26°R23 | 26°31 | 27°44 | n.a. | W 2 |
| T 3 | 7 42 19 | 27°38'43 | 10♈43 | 7°36 | 22°20 | 11°38 | 4°40 | 27°11 | 8°16 | 19°14 | 12°54 | 26°23 | 26°27 | 27°51 | n.a. | T 3 |
| F 4 | 7 46 16 | 28°38'09 | 24°57 | 7° 4 | 23°32 | 12° 3 | 4°35 | 27°10 | 8°15 | 19°13 | 12°52 | 26°D23 | 26°24 | 27°58 | n.a. | F 4 |
| S 5 | 7 50 12 | 29°37'32 | 8♉57 | 6°25 | 24°44 | 12°28 | 4°30 | 27° 9 | 8°14 | 19°12 | 12°51 | 26°23 | 26°21 | 28° 4 | n.a. | S 5 |
| S 6 | 7 54 9 | 0♒36'53 | 22°44 | 5°42 | 25°56 | 12°52 | 4°25 | 27° 8 | 8°12 | 19°11 | 12°49 | 26°23 | 26°18 | 28°11 | n.a. | S 6 |
| M 7 | 7 58 5 | 1°36'11 | 6♊17 | 4°54 | 27° 9 | 13°16 | 4°19 | 27° 6 | 8°11 | 19°10 | 12°48 | 26°24 | 26°15 | 28°18 | n.a. | M 7 |
| T 8 | 8 2 2 | 2°35'27 | 19°36 | 4° 4 | 28°21 | 13°40 | 4°14 | 27° 4 | 8°10 | 19° 9 | 12°46 | 26°24 | 26°12 | 28°25 | n.a. | T 8 |
| W 9 | 8 5 58 | 3°34'40 | 2♋41 | 3°12 | 29°33 | 14° 4 | 4° 8 | 27° 3 | 8° 9 | 19° 8 | 12°45 | 26°25 | 26° 8 | 28°31 | n.a. | W 9 |
| T 10 | 8 9 55 | 4°33'52 | 15°33 | 2°19 | 0♉45 | 14°27 | 4° 3 | 27° 1 | 8° 7 | 19° 7 | 12°44 | 26°25 | 26° 5 | 28°38 | n.a. | T 10 |
| F 11 | 8 13 51 | 5°33'00 | 28°12 | 1°27 | 1°57 | 14°50 | 3°57 | 26°59 | 8° 6 | 19° 6 | 12°42 | 26°R26 | 26° 2 | 28°45 | n.a. | F 11 |
| S 12 | 8 17 48 | 6°32'07 | 10♌39 | 0°36 | 3°10 | 15°13 | 3°51 | 26°57 | 8° 5 | 19° 5 | 12°41 | 26°25 | 25°59 | 28°51 | n.a. | S 12 |
| S 13 | 8 21 45 | 7°31'11 | 22°56 | 29♉47 | 4°22 | 15°35 | 3°45 | 26°55 | 8° 4 | 19° 4 | 12°39 | 26°24 | 25°56 | 28°58 | n.a. | S 13 |
| M14 | 8 25 41 | 8°30'13 | 5♍ 2 | 29° 1 | 5°34 | 15°57 | 3°39 | 26°53 | 8° 3 | 19° 3 | 12°38 | 26°23 | 25°53 | 29° 5 | n.a. | M14 |
| T 15 | 8 29 38 | 9°29'13 | 17° 2 | 28°20 | 6°47 | 16°18 | 3°32 | 26°51 | 8° 3 | 19° 2 | 12°37 | 26°21 | 25°49 | 29°12 | n.a. | T 15 |
| W16 | 8 33 34 | 10°28'11 | 28°56 | 27°42 | 7°59 | 16°39 | 3°26 | 26°49 | 8° 2 | 19° 1 | 12°35 | 26°19 | 25°46 | 29°18 | n.a. | W16 |
| T 17 | 8 37 31 | 11°27'07 | 10♎47 | 27°10 | 9°11 | 17° 0 | 3°19 | 26°46 | 8° 1 | 18°59 | 12°34 | 26°17 | 25°43 | 29°25 | n.a. | T 17 |
| F 18 | 8 41 27 | 12°26'01 | 22°41 | 26°42 | 10°24 | 17°21 | 3°13 | 26°44 | 8° 0 | 18°58 | 12°33 | 26°15 | 25°40 | 29°32 | n.a. | F 18 |
| S 19 | 8 45 24 | 13°24'53 | 4♏40 | 26°20 | 11°36 | 17°41 | 3° 6 | 26°41 | 8° 0 | 18°57 | 12°31 | 26°14 | 25°37 | 29°38 | n.a. | S 19 |
| S 20 | 8 49 20 | 14°23'43 | 16°48 | 26° 4 | 12°48 | 18° 1 | 2°59 | 26°39 | 7°59 | 18°56 | 12°30 | 26°D14 | 25°33 | 29°45 | n.a. | S 20 |
| M21 | 8 53 17 | 15°22'31 | 29°12 | 25°53 | 14° 1 | 18°20 | 2°52 | 26°36 | 7°58 | 18°54 | 12°29 | 26°15 | 25°30 | 29°52 | n.a. | M21 |
| T 22 | 8 57 13 | 16°21'18 | 11♐54 | 25°D48 | 15°13 | 18°39 | 2°45 | 26°33 | 7°58 | 18°53 | 12°28 | 26°16 | 25°27 | 29°59 | n.a. | T 22 |
| W23 | 9 1 10 | 17°20'02 | 24°59 | 25°48 | 16°26 | 18°57 | 2°38 | 26°30 | 7°57 | 18°52 | 12°26 | 26°17 | 25°24 | 0♎ 5 | n.a. | W23 |
| T 24 | 9 5 7 | 18°18'45 | 8♑29 | 25°54 | 17°38 | 19°15 | 2°31 | 26°27 | 7°57 | 18°50 | 12°25 | 26°19 | 25°21 | 0°12 | n.a. | T 24 |
| F 25 | 9 9 3 | 19°17'25 | 22°24 | 26° 4 | 18°51 | 19°33 | 2°24 | 26°24 | 7°57 | 18°49 | 12°24 | 26°R19 | 25°18 | 0°19 | n.a. | F 25 |
| S 26 | 9 13 0 | 20°16'04 | 6♒44 | 26°20 | 20° 3 | 19°50 | 2°16 | 26°21 | 7°56 | 18°48 | 12°23 | 26°19 | 25°14 | 0°25 | n.a. | S 26 |
| S 27 | 9 16 56 | 21°14'41 | 21°24 | 26°40 | 21°16 | 20° 6 | 2° 9 | 26°18 | 7°56 | 18°46 | 12°22 | 26°18 | 25°11 | 0°32 | n.a. | S 27 |
| M28 | 9 20 53 | 22°13'15 | 6♓17 | 27° 6 | 22°28 | 20°22 | 2° 1 | 26°15 | 7°56 | 18°45 | 12°21 | 26°15 | 25° 8 | 0°39 | n.a. | M28 |
| T 29 | 9 24 49 | 23♒11'47 | 21♓16 | 27♉35 | 23♉41 | 20♎38 | 1♍54 | 26♍12 | 7♊56 | 18♍44 | 12♋20 | 26♉11 | 25♉ 5 | 0♎46 | n.a. | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21 s26 | 3 s47 | 3n46 | 15 s14 | 3n26 | 23 s 2 | 0n30 | 2 s21 | 2n11 | 11n36 | 1n48 | 3n38 | 2n45 | 22n22 | 0n14 | 6n18 | 2n 8 | 36n16 | 13n 4 | 21 s18 | 21 s16 | 3 s 9 | | n.a. |
| W 2 | 21 15 | 2n42 | 4 35 | 15 10 | 3 35 | 23 11 | 0 26 | 2 31 | 2 11 | 11 38 | 1 48 | 3 39 | 2 45 | 22 22 | 0 14 | 6 18 | 2 8 | 36 17 | 13 4 | 21 18 | 21 17 | 3 13 | | n.a. |
| T 3 | 21 3 | 8 59 | 5 5 | 15 10 | 3 42 | 23 19 | 0 23 | 2 41 | 2 11 | 11 40 | 1 48 | 3 39 | 2 45 | 22 22 | 0 14 | 6 18 | 2 8 | 36 17 | 13 4 | 21 18 | 21 17 | 3 16 | | n.a. |
| F 4 | 20 51 | 14 45 | 5 17 | 15 13 | 3 47 | 23 26 | 0 20 | 2 51 | 2 11 | 11 42 | 1 49 | 3 40 | 2 45 | 22 22 | 0 14 | 6 19 | 2 8 | 36 17 | 13 4 | 21 18 | 21 18 | 3 19 | | n.a. |
| S 5 | 20 38 | 19 39 | 5 10 | 15 19 | 3 51 | 23 32 | 0 17 | 3 1 | 2 11 | 11 44 | 1 49 | 3 41 | 2 46 | 22 21 | 0 14 | 6 19 | 2 8 | 36 17 | 13 4 | 21 18 | 21 19 | 3 22 | | n.a. |
| S 6 | 20 26 | 23 24 | 4 44 | 15 28 | 3 53 | 23 38 | 0 13 | 3 10 | 2 11 | 11 46 | 1 49 | 3 42 | 2 46 | 22 21 | 0 14 | 6 20 | 2 8 | 36 17 | 13 4 | 21 18 | 21 19 | 3 25 | | n.a. |
| M 7 | 20 12 | 25 47 | 4 4 | 15 40 | 3 53 | 23 43 | 0 10 | 3 20 | 2 11 | 11 49 | 1 49 | 3 42 | 2 46 | 22 21 | 0 14 | 6 20 | 2 8 | 36 17 | 13 4 | 21 18 | 21 20 | 3 28 | | n.a. |
| T 8 | 19 59 | 26 40 | 3 10 | 15 53 | 3 51 | 23 48 | 0 7 | 3 29 | 2 11 | 11 51 | 1 49 | 3 43 | 2 46 | 22 21 | 0 14 | 6 20 | 2 9 | 36 17 | 13 4 | 21 18 | 21 20 | 3 31 | | n.a. |
| W 9 | 19 45 | 26 2 | 2 8 | 16 9 | 3 47 | 23 52 | 0 4 | 3 39 | 2 11 | 11 53 | 1 50 | 3 44 | 2 47 | 22 21 | 0 14 | 6 21 | 2 9 | 36 17 | 13 4 | 21 18 | 21 21 | 3 34 | | n.a. |
| T 10 | 19 30 | 23 59 | 1 0 | 16 27 | 3 42 | 23 55 | 0 1 | 3 48 | 2 11 | 11 55 | 1 50 | 3 45 | 2 47 | 22 20 | 0 14 | 6 21 | 2 9 | 36 17 | 13 4 | 21 18 | 21 22 | 3 37 | | n.a. |
| F 11 | 19 16 | 20 47 | 0 s10 | 16 46 | 3 34 | 23 57 | 0 s 2 | 3 57 | 2 11 | 11 58 | 1 50 | 3 46 | 2 47 | 22 20 | 0 14 | 6 22 | 2 9 | 36 18 | 13 4 | 21 18 | 21 22 | 3 40 | | n.a. |
| S 12 | 19 1 | 16 40 | 1 18 | 17 5 | 3 25 | 23 59 | 0 5 | 4 6 | 2 11 | 12 0 | 1 50 | 3 47 | 2 47 | 22 20 | 0 14 | 6 22 | 2 9 | 36 18 | 13 3 | 21 18 | 21 23 | 3 43 | | n.a. |
| S 13 | 18 46 | 11 56 | 2 22 | 17 26 | 3 15 | 24 0 | 0 8 | 4 15 | 2 11 | 12 3 | 1 50 | 3 48 | 2 48 | 22 20 | 0 14 | 6 23 | 2 9 | 36 18 | 13 3 | 21 18 | 21 23 | 3 47 | | n.a. |
| M14 | 18 30 | 6 48 | 3 18 | 17 46 | 3 4 | 24 0 | 0 11 | 4 24 | 2 11 | 12 5 | 1 51 | 3 49 | 2 48 | 22 20 | 0 14 | 6 23 | 2 9 | 36 18 | 13 3 | 21 18 | 21 24 | 3 50 | | n.a. |
| T 15 | 18 14 | 1 29 | 4 5 | 18 7 | 2 51 | 23 59 | 0 14 | 4 32 | 2 10 | 12 8 | 1 51 | 3 50 | 2 48 | 22 20 | 0 14 | 6 24 | 2 9 | 36 18 | 13 3 | 21 19 | 21 25 | 3 53 | | n.a. |
| W16 | 17 58 | 3 s50 | 4 40 | 18 28 | 2 38 | 23 58 | 0 17 | 4 41 | 2 10 | 12 10 | 1 51 | 3 51 | 2 48 | 22 20 | 0 14 | 6 24 | 2 9 | 36 18 | 13 3 | 21 19 | 21 25 | 3 56 | | n.a. |
| T 17 | 17 42 | 9 0 | 5 4 | 18 48 | 2 24 | 23 56 | 0 20 | 4 49 | 2 10 | 12 13 | 1 51 | 3 53 | 2 48 | 22 19 | 0 14 | 6 25 | 2 9 | 36 18 | 13 3 | 21 19 | 21 26 | 3 59 | | n.a. |
| F 18 | 17 25 | 13 51 | 5 15 | 19 7 | 2 10 | 23 53 | 0 23 | 4 57 | 2 10 | 12 15 | 1 51 | 3 54 | 2 49 | 22 19 | 0 14 | 6 25 | 2 9 | 36 18 | 13 3 | 21 20 | 21 26 | 4 2 | | n.a. |
| S 19 | 17 8 | 18 13 | 5 12 | 19 26 | 1 55 | 23 50 | 0 26 | 5 5 | 2 10 | 12 18 | 1 51 | 3 55 | 2 49 | 22 19 | 0 14 | 6 26 | 2 9 | 36 18 | 13 3 | 21 20 | 21 27 | 4 5 | | n.a. |
| S 20 | 16 51 | 21 54 | 4 56 | 19 44 | 1 40 | 23 46 | 0 29 | 5 13 | 2 9 | 12 21 | 1 51 | 3 56 | 2 49 | 22 19 | 0 14 | 6 26 | 2 9 | 36 18 | 13 3 | 21 20 | 21 28 | 4 8 | | n.a. |
| M21 | 16 33 | 24 41 | 4 25 | 20 0 | 1 25 | 23 41 | 0 31 | 5 21 | 2 9 | 12 23 | 1 52 | 3 57 | 2 49 | 22 19 | 0 14 | 6 27 | 2 9 | 36 18 | 13 2 | 21 20 | 21 28 | 4 11 | | n.a. |
| T 22 | 16 15 | 26 19 | 3 41 | 20 16 | 1 10 | 23 36 | 0 34 | 5 28 | 2 9 | 12 26 | 1 52 | 3 59 | 2 49 | 22 19 | 0 14 | 6 28 | 2 9 | 36 18 | 13 2 | 21 20 | 21 29 | 4 14 | | n.a. |
| W23 | 15 57 | 26 34 | 2 44 | 20 30 | 0 55 | 23 30 | 0 37 | 5 36 | 2 8 | 12 29 | 1 52 | 4 0 | 2 50 | 22 19 | 0 14 | 6 28 | 2 9 | 36 18 | 13 2 | 21 19 | 21 29 | 4 17 | | n.a. |
| T 24 | 15 39 | 25 15 | 1 37 | 20 44 | 0 41 | 23 23 | 0 39 | 5 43 | 2 8 | 12 31 | 1 52 | 4 1 | 2 50 | 22 19 | 0 14 | 6 29 | 2 9 | 36 18 | 13 2 | 21 19 | 21 30 | 4 20 | | n.a. |
| F 25 | 15 20 | 22 22 | 0 22 | 20 55 | 0 27 | 23 15 | 0 42 | 5 50 | 2 7 | 12 34 | 1 52 | 4 3 | 2 50 | 22 19 | 0 14 | 6 29 | 2 9 | 36 18 | 13 2 | 21 19 | 21 31 | 4 23 | | n.a. |
| S 26 | 15 1 | 18 3 | 0n57 | 21 6 | 0 13 | 23 7 | 0 44 | 5 57 | 2 7 | 12 37 | 1 52 | 4 4 | 2 50 | 22 19 | 0 14 | 6 30 | 2 9 | 36 18 | 13 2 | 21 19 | 21 31 | 4 27 | | n.a. |
| S 27 | 14 42 | 12 33 | 2 13 | 21 15 | 0 s 0 | 22 58 | 0 47 | 6 4 | 2 6 | 12 40 | 1 52 | 4 6 | 2 50 | 22 19 | 0 14 | 6 30 | 2 9 | 36 18 | 13 1 | 21 19 | 21 32 | 4 30 | | n.a. |
| M28 | 14 23 | 6 16 | 3 22 | 21 23 | 0 13 | 22 49 | 0 49 | 6 11 | 2 6 | 12 43 | 1 52 | 4 7 | 2 51 | 22 19 | 0 14 | 6 31 | 2 9 | 36 18 | 13 1 | 21 20 | 21 32 | 4 33 | | n.a. |
| T 29 | 14 s 4 | 0n24 | 4n17 | 21 s29 | 0 s25 | 22 s39 | 0 s51 | 6 s17 | 2n 5 | 12n45 | 1n52 | 4n 9 | 2n51 | 22n19 | 0n14 | 6n32 | 2n10 | 36n18 | 13n 1 | 21 s20 | 21 s33 | 4 s36 | | n.a. |

Julian Day Number = 993510.5, Delta T = 12h59m39s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'57, Lahiri = -31°25'57 Julian Calendar 1 Feb. 1993 BCE == Greg. Calendar 15 Jan. 1993 BCE


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## MARCH 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 28 46 | 24♒10'17 | 6♈12 | 28♉ 9 | 24♉53 | 20♎53 | 1°R46 | 26°R 8 | 7°R56 | 18°R42 | 12°R18 | 26°R 8 | 25♉ 2 | 0♎52 | n.a. | W 1 |
| T 2 | 9 32 42 | 25° 8'45 | 20°56 | 28°46 | 26° 6 | 21° 8 | 1♏39 | 26♏ 5 | 7°D56 | 18♏41 | 12♋17 | 26♉ 4 | 24°59 | 0°59 | n.a. | T 2 |
| F 3 | 9 36 39 | 26° 7'10 | 5♉23 | 29°28 | 27°18 | 21°22 | 1°31 | 26° 1 | 7♊56 | 18°39 | 12°16 | 26° 1 | 24°55 | 1° 6 | n.a. | F 3 |
| S 4 | 9 40 35 | 27° 5'34 | 19°29 | 0♒13 | 28°31 | 21°35 | 1°24 | 25°58 | 7°56 | 18°38 | 12°15 | 26° 0 | 24°52 | 1°12 | n.a. | S 4 |
| S 5 | 9 44 32 | 28° 3'54 | 3♊13 | 1° 1 | 29°43 | 21°48 | 1°16 | 25°54 | 7°56 | 18°36 | 12°14 | 26°D 0 | 24°49 | 1°19 | n.a. | S 5 |
| M 6 | 9 48 29 | 29° 2'13 | 16°36 | 1°53 | 0♒56 | 22° 1 | 1° 8 | 25°50 | 7°56 | 18°35 | 12°13 | 26° 1 | 24°46 | 1°26 | n.a. | M 6 |
| T 7 | 9 52 25 | 0♓ 0'29 | 29°40 | 2°48 | 2° 8 | 22°13 | 1° 1 | 25°47 | 7°56 | 18°33 | 12°12 | 26° 2 | 24°43 | 1°33 | n.a. | T 7 |
| W 8 | 9 56 22 | 0°58'43 | 12♋27 | 3°46 | 3°21 | 22°24 | 0°53 | 25°43 | 7°57 | 18°32 | 12°12 | 26° 4 | 24°39 | 1°39 | n.a. | W 8 |
| T 9 | 10 0 18 | 1°56'55 | 25° 0 | 4°47 | 4°34 | 22°35 | 0°45 | 25°39 | 7°57 | 18°30 | 12°11 | 26°R 4 | 24°36 | 1°46 | n.a. | T 9 |
| F 10 | 10 4 15 | 2°55'05 | 7♌21 | 5°51 | 5°46 | 22°45 | 0°38 | 25°35 | 7°57 | 18°29 | 12°10 | 26° 4 | 24°33 | 1°53 | n.a. | F 10 |
| S 11 | 10 8 11 | 3°53'13 | 19°33 | 6°57 | 6°59 | 22°55 | 0°30 | 25°31 | 7°58 | 18°27 | 12° 9 | 26° 1 | 24°30 | 1°59 | n.a. | S 11 |
| S 12 | 10 12 8 | 4°51'19 | 1♏38 | 8° 6 | 8°11 | 23° 3 | 0°22 | 25°27 | 7°58 | 18°26 | 12° 8 | 25°57 | 24°27 | 2° 6 | n.a. | S 12 |
| M13 | 10 16 4 | 5°49'22 | 13°37 | 9°17 | 9°24 | 23°12 | 0°15 | 25°23 | 7°59 | 18°24 | 12° 7 | 25°51 | 24°24 | 2°13 | n.a. | M13 |
| T 14 | 10 20 1 | 6°47'24 | 25°32 | 10°31 | 10°37 | 23°19 | 0° 7 | 25°19 | 8° 0 | 18°22 | 12° 7 | 25°44 | 24°20 | 2°20 | n.a. | T 14 |
| W15 | 10 23 57 | 7°45'24 | 7♎25 | 11°47 | 11°49 | 23°27 | 29♌59 | 25°15 | 8° 0 | 18°21 | 12° 6 | 25°36 | 24°17 | 2°26 | n.a. | W15 |
| T 16 | 10 27 54 | 8°43'23 | 19°17 | 13° 6 | 13° 2 | 23°33 | 29°52 | 25°11 | 8° 1 | 18°19 | 12° 5 | 25°28 | 24°14 | 2°33 | n.a. | T 16 |
| F 17 | 10 31 51 | 9°41'20 | 1♏11 | 14°26 | 14°15 | 23°39 | 29°45 | 25° 7 | 8° 2 | 18°18 | 12° 4 | 25°22 | 24°11 | 2°40 | n.a. | F 17 |
| S 18 | 10 35 47 | 10°39'15 | 13°10 | 15°49 | 15°27 | 23°44 | 29°37 | 25° 3 | 8° 3 | 18°16 | 12° 4 | 25°16 | 24° 8 | 2°46 | n.a. | S 18 |
| S 19 | 10 39 44 | 11°37'09 | 25°18 | 17°14 | 16°40 | 23°48 | 29°30 | 24°59 | 8° 3 | 18°14 | 12° 3 | 25°13 | 24° 5 | 2°53 | n.a. | S 19 |
| M20 | 10 43 40 | 12°35'02 | 7♐39 | 18°41 | 17°53 | 23°52 | 29°22 | 24°54 | 8° 4 | 18°13 | 12° 2 | 25°D11 | 24° 1 | 3° 0 | n.a. | M20 |
| T 21 | 10 47 37 | 13°32'53 | 20°17 | 20°10 | 19° 5 | 23°54 | 29°15 | 24°50 | 8° 5 | 18°11 | 12° 2 | 25°11 | 23°58 | 3° 6 | n.a. | T 21 |
| W22 | 10 51 33 | 14°30'42 | 3♉16 | 21°41 | 20°18 | 23°57 | 29° 8 | 24°46 | 8° 6 | 18°10 | 12° 1 | 25°12 | 23°55 | 3°13 | n.a. | W22 |
| T 23 | 10 55 30 | 15°28'31 | 16°41 | 23°15 | 21°31 | 23°58 | 29° 1 | 24°42 | 8° 7 | 18° 8 | 12° 1 | 25°14 | 23°52 | 3°20 | n.a. | T 23 |
| F 24 | 10 59 26 | 16°26'18 | 0♒33 | 24°50 | 22°44 | 23°R59 | 28°54 | 24°37 | 8° 9 | 18° 6 | 12° 0 | 25°R14 | 23°49 | 3°27 | n.a. | F 24 |
| S 25 | 11 3 23 | 17°24'03 | 14°53 | 26°27 | 23°57 | 23°59 | 28°47 | 24°33 | 8°10 | 18° 5 | 12° 0 | 25°12 | 23°45 | 3°33 | n.a. | S 25 |
| S 26 | 11 7 20 | 18°21'47 | 29°39 | 28° 6 | 25° 9 | 23°58 | 28°40 | 24°28 | 8°11 | 18° 3 | 11°59 | 25° 8 | 23°42 | 3°40 | n.a. | S 26 |
| M27 | 11 11 16 | 19°19'30 | 14♓43 | 29°47 | 26°22 | 23°56 | 28°33 | 24°24 | 8°12 | 18° 1 | 11°59 | 25° 2 | 23°39 | 3°47 | n.a. | M27 |
| T 28 | 11 15 13 | 20°17'11 | 29°58 | 1♓31 | 27°35 | 23°54 | 28°26 | 24°20 | 8°14 | 18° 0 | 11°59 | 24°55 | 23°36 | 3°54 | n.a. | T 28 |
| W29 | 11 19 9 | 21°14'50 | 15♈12 | 3°16 | 28°48 | 23°51 | 28°20 | 24°15 | 8°15 | 17°58 | 11°58 | 24°46 | 23°33 | 4° 0 | n.a. | W29 |
| T 30 | 11 23 6 | 22°12'28 | 0♉15 | 5° 3 | 0♓ 1 | 23°47 | 28°13 | 24°11 | 8°16 | 17°57 | 11°58 | 24°38 | 23°30 | 4° 7 | n.a. | T 30 |
| F 31 | 11 27 2 | 23♓10'04 | 14♉57 | 6♓52 | 1♓13 | 23♎43 | 28♌ 7 | 24♏ 6 | 8♊18 | 17♏55 | 11♋58 | 24♉32 | 23♉26 | 4♎14 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| W 1 | 13s44 | 7n 0 | 4n54 | 21s33 | 0s37 | 22s28 | 0s54 | 6s24 | 2n 5 | 12n48 | 1n52 | 4n10 | 2n51 | 22n19 | 0n14 | 6n32 | 2n10 | 36n17 | 13n 1 | 21s21 | 21s34 | 4s39 | | | n.a. |
| T 2 | 13 24 | 13 8 | 5 12 | 21 37 | 0 48 | 22 16 | 0 56 | 6 30 | 2 4 | 12 51 | 1 53 | 4 12 | 2 51 | 22 19 | 0 14 | 6 33 | 2 10 | 36 17 | 13 1 | 21 22 | 21 34 | 4 42 | | | n.a. |
| F 3 | 13 4 | 18 25 | 5 9 | 21 38 | 0 59 | 22 4 | 0 58 | 6 36 | 2 3 | 12 54 | 1 53 | 4 13 | 2 51 | 22 19 | 0 14 | 6 33 | 2 10 | 36 17 | 13 0 | 21 22 | 21 35 | 4 45 | | | n.a. |
| S 4 | 12 44 | 22 33 | 4 47 | 21 38 | 1 9 | 21 51 | 1 0 | 6 41 | 2 3 | 12 57 | 1 53 | 4 15 | 2 51 | 22 19 | 0 14 | 6 34 | 2 10 | 36 17 | 13 0 | 21 23 | 21 35 | 4 48 | | | n.a. |
| S 5 | 12 23 | 25 18 | 4 9 | 21 37 | 1 19 | 21 38 | 1 2 | 6 47 | 2 2 | 12 59 | 1 53 | 4 16 | 2 51 | 22 19 | 0 14 | 6 35 | 2 10 | 36 17 | 13 0 | 21 23 | 21 36 | 4 51 | | | n.a. |
| M 6 | 12 3 | 26 32 | 3 19 | 21 34 | 1 28 | 21 24 | 1 4 | 6 52 | 2 1 | 13 2 | 1 53 | 4 18 | 2 52 | 22 19 | 0 14 | 6 35 | 2 10 | 36 17 | 13 0 | 21 22 | 21 36 | 4 54 | | | n.a. |
| T 7 | 11 42 | 26 15 | 2 19 | 21 29 | 1 36 | 21 9 | 1 6 | 6 58 | 2 0 | 13 5 | 1 53 | 4 20 | 2 52 | 22 19 | 0 14 | 6 36 | 2 10 | 36 17 | 13 0 | 21 22 | 21 37 | 4 57 | | | n.a. |
| W 8 | 11 21 | 24 33 | 1 14 | 21 23 | 1 44 | 20 54 | 1 8 | 7 3 | 1 59 | 13 8 | 1 53 | 4 21 | 2 52 | 22 19 | 0 14 | 6 37 | 2 10 | 36 17 | 12 59 | 21 22 | 21 38 | 5 0 | | | n.a. |
| T 9 | 11 0 | 21 40 | 0 6 | 21 15 | 1 51 | 20 38 | 1 10 | 7 8 | 1 59 | 13 11 | 1 53 | 4 23 | 2 52 | 22 19 | 0 14 | 6 37 | 2 10 | 36 17 | 12 59 | 21 22 | 21 38 | 5 3 | | | n.a. |
| F 10 | 10 38 | 17 49 | 1s 1 | 21 6 | 1 58 | 20 22 | 1 11 | 7 12 | 1 58 | 13 13 | 1 53 | 4 25 | 2 52 | 22 19 | 0 14 | 6 38 | 2 10 | 36 16 | 12 59 | 21 22 | 21 39 | 5 6 | | | n.a. |
| S 11 | 10 17 | 13 17 | 2 4 | 20 54 | 2 4 | 20 5 | 1 13 | 7 17 | 1 57 | 13 16 | 1 53 | 4 26 | 2 52 | 22 19 | 0 14 | 6 38 | 2 10 | 36 16 | 12 59 | 21 22 | 21 39 | 5 9 | | | n.a. |
| S 12 | 9 55 | 8 18 | 3 1 | 20 41 | 2 9 | 19 47 | 1 15 | 7 21 | 1 55 | 13 19 | 1 53 | 4 28 | 2 52 | 22 19 | 0 14 | 6 39 | 2 10 | 36 16 | 12 58 | 21 23 | 21 40 | 5 12 | | | n.a. |
| M13 | 9 34 | 3 3 | 3 49 | 20 27 | 2 14 | 19 29 | 1 16 | 7 26 | 1 54 | 13 22 | 1 53 | 4 30 | 2 52 | 22 19 | 0 14 | 6 40 | 2 10 | 36 16 | 12 58 | 21 24 | 21 40 | 5 15 | | | n.a. |
| T 14 | 9 12 | 2s16 | 4 27 | 20 10 | 2 19 | 19 10 | 1 18 | 7 29 | 1 53 | 13 24 | 1 53 | 4 31 | 2 53 | 22 19 | 0 14 | 6 40 | 2 10 | 36 16 | 12 58 | 21 26 | 21 41 | 5 18 | | | n.a. |
| W15 | 8 50 | 7 28 | 4 53 | 19 52 | 2 22 | 18 51 | 1 19 | 7 33 | 1 52 | 13 27 | 1 53 | 4 33 | 2 53 | 22 19 | 0 14 | 6 41 | 2 10 | 36 16 | 12 58 | 21 27 | 21 42 | 5 21 | | | n.a. |
| T 16 | 8 28 | 12 24 | 5 6 | 19 33 | 2 25 | 18 31 | 1 20 | 7 37 | 1 51 | 13 30 | 1 53 | 4 35 | 2 53 | 22 19 | 0 14 | 6 42 | 2 10 | 36 15 | 12 57 | 21 29 | 21 42 | 5 24 | | | n.a. |
| F 17 | 8 6 | 16 54 | 5 7 | 19 11 | 2 28 | 18 11 | 1 22 | 7 40 | 1 49 | 13 32 | 1 52 | 4 37 | 2 53 | 22 19 | 0 14 | 6 42 | 2 10 | 36 15 | 12 57 | 21 30 | 21 43 | 5 27 | | | n.a. |
| S 18 | 7 43 | 20 45 | 4 54 | 18 48 | 2 30 | 17 50 | 1 23 | 7 43 | 1 48 | 13 35 | 1 52 | 4 38 | 2 53 | 22 20 | 0 14 | 6 43 | 2 10 | 36 15 | 12 57 | 21 31 | 21 43 | 5 30 | | | n.a. |
| S 19 | 7 21 | 23 47 | 4 27 | 18 23 | 2 31 | 17 29 | 1 24 | 7 46 | 1 47 | 13 38 | 1 52 | 4 40 | 2 53 | 22 20 | 0 14 | 6 44 | 2 10 | 36 15 | 12 57 | 21 31 | 21 44 | 5 33 | | | n.a. |
| M20 | 6 58 | 25 46 | 3 48 | 17 56 | 2 32 | 17 8 | 1 25 | 7 49 | 1 45 | 13 40 | 1 52 | 4 42 | 2 53 | 22 20 | 0 14 | 6 44 | 2 10 | 36 15 | 12 56 | 21 32 | 21 44 | 5 36 | | | n.a. |
| T 21 | 6 36 | 26 30 | 2 57 | 17 27 | 2 32 | 16 45 | 1 26 | 7 52 | 1 44 | 13 43 | 1 52 | 4 44 | 2 53 | 22 20 | 0 14 | 6 45 | 2 10 | 36 14 | 12 56 | 21 32 | 21 45 | 5 39 | | | n.a. |
| W22 | 6 13 | 25 48 | 1 55 | 16 57 | 2 32 | 16 23 | 1 27 | 7 54 | 1 42 | 13 45 | 1 52 | 4 46 | 2 53 | 22 20 | 0 14 | 6 46 | 2 10 | 36 14 | 12 56 | 21 32 | 21 46 | 5 42 | | | n.a. |
| T 23 | 5 50 | 23 37 | 0 46 | 16 25 | 2 31 | 16 0 | 1 28 | 7 56 | 1 40 | 13 48 | 1 52 | 4 47 | 2 53 | 22 20 | 0 14 | 6 46 | 2 10 | 36 14 | 12 55 | 21 31 | 21 46 | 5 45 | | | n.a. |
| F 24 | 5 27 | 19 59 | 0n29 | 15 51 | 2 29 | 15 36 | 1 28 | 7 58 | 1 39 | 13 50 | 1 52 | 4 49 | 2 53 | 22 21 | 0 14 | 6 47 | 2 10 | 36 14 | 12 55 | 21 31 | 21 47 | 5 48 | | | n.a. |
| S 25 | 5 4 | 15 3 | 1 44 | 15 15 | 2 27 | 15 12 | 1 29 | 7 59 | 1 37 | 13 52 | 1 52 | 4 51 | 2 53 | 22 21 | 0 14 | 6 48 | 2 10 | 36 13 | 12 55 | 21 32 | 21 47 | 5 51 | | | n.a. |
| S 26 | 4 42 | 9 7 | 2 54 | 14 38 | 2 25 | 14 48 | 1 30 | 8 1 | 1 35 | 13 55 | 1 52 | 4 53 | 2 53 | 22 21 | 0 14 | 6 48 | 2 10 | 36 13 | 12 55 | 21 32 | 21 48 | 5 54 | | | n.a. |
| M27 | 4 18 | 2 34 | 3 53 | 13 58 | 2 21 | 14 23 | 1 30 | 8 2 | 1 33 | 13 57 | 1 51 | 4 55 | 2 53 | 22 21 | 0 14 | 6 49 | 2 10 | 36 13 | 12 54 | 21 33 | 21 48 | 5 57 | | | n.a. |
| T 28 | 3 55 | 4n12 | 4 37 | 13 17 | 2 17 | 13 58 | 1 31 | 8 3 | 1 31 | 13 59 | 1 51 | 4 56 | 2 53 | 22 21 | 0 14 | 6 50 | 2 10 | 36 13 | 12 54 | 21 35 | 21 49 | 6 0 | | | n.a. |
| W29 | 3 32 | 10 42 | 5 1 | 12 34 | 2 13 | 13 33 | 1 31 | 8 4 | 1 29 | 14 2 | 1 51 | 4 58 | 2 53 | 22 22 | 0 14 | 6 50 | 2 10 | 36 12 | 12 54 | 21 36 | 21 49 | 6 3 | | | n.a. |
| T 30 | 3 9 | 16 30 | 5 4 | 11 50 | 2 8 | 13 7 | 1 32 | 8 4 | 1 27 | 14 4 | 1 51 | 5 0 | 2 53 | 22 22 | 0 14 | 6 51 | 2 10 | 36 12 | 12 53 | 21 38 | 21 50 | 6 6 | | | n.a. |
| F 31 | 2s46 | 21n12 | 4n46 | 11s 3 | 2s 3 | 12s41 | 1s32 | 8s 5 | 1n25 | 14n 6 | 1n51 | 5n 2 | 2n53 | 22n22 | 0n14 | 6n51 | 2n10 | 36n12 | 12n53 | 21s39 | 21s51 | 6s 9 | | | n.a. |

Julian Day Number = 993539.5, Delta T = 12h59m37s
Ecliptic obliquity = 23°55'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'53, Lahiri = -31°25'53 Julian Calendar 1 March 1993 BCE == Greg. Calendar 13 Feb. 1993 BCE


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## APRIL 1993 BCE (-1992) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 30 59 | 24♓ 7'39 | 29♉15 | 8♓43 | 2♓26 | 23°R37 | 28°R 1 | 24°R 2 | 8♊19 | 17°R53 | 11°R57 | 24°R27 | 23♐23 | 4♎20 | n.a. | S 1 |
| S 2 | 11 34 55 | 25° 5'12 | 13♊ 5 | 10°36 | 3°39 | 23♎31 | 27♌54 | 23♍58 | 8°21 | 17♍52 | 11♋57 | 24♐25 | 23°20 | 4°27 | n.a. | S 2 |
| M 3 | 11 38 52 | 26° 2'43 | 26°28 | 12°31 | 4°52 | 23°24 | 27°48 | 23°53 | 8°23 | 17°50 | 11°57 | 24°D24 | 23°17 | 4°34 | n.a. | M 3 |
| T 4 | 11 42 48 | 27° 0'13 | 9♋27 | 14°28 | 6° 5 | 23°17 | 27°42 | 23°49 | 8°24 | 17°49 | 11°57 | 24°24 | 23°14 | 4°41 | n.a. | T 4 |
| W 5 | 11 46 45 | 27°57'41 | 22° 5 | 16°27 | 7°18 | 23° 8 | 27°37 | 23°44 | 8°26 | 17°47 | 11°57 | 24°R25 | 23°10 | 4°47 | n.a. | W 5 |
| T 6 | 11 50 42 | 28°55'07 | 4♌28 | 18°28 | 8°30 | 22°59 | 27°31 | 23°40 | 8°28 | 17°45 | 11°56 | 24°25 | 23° 7 | 4°54 | n.a. | T 6 |
| F 7 | 11 54 38 | 29°52'32 | 16°38 | 20°30 | 9°43 | 22°50 | 27°25 | 23°36 | 8°30 | 17°44 | 11°56 | 24°22 | 23° 4 | 5° 1 | n.a. | F 7 |
| S 8 | 11 58 35 | 0♈49'56 | 28°40 | 22°35 | 10°56 | 22°39 | 27°20 | 23°31 | 8°31 | 17°42 | 11°56 | 24°17 | 23° 1 | 5° 7 | n.a. | S 8 |
| S 9 | 12 2 31 | 1°47'18 | 10♍37 | 24°40 | 12° 9 | 22°28 | 27°15 | 23°27 | 8°33 | 17°41 | 11°56 | 24°10 | 22°58 | 5°14 | n.a. | S 9 |
| M10 | 12 6 28 | 2°44'39 | 22°31 | 26°47 | 13°22 | 22°16 | 27°10 | 23°22 | 8°35 | 17°39 | 11°D56 | 24° 0 | 22°55 | 5°21 | n.a. | M10 |
| T 11 | 12 10 24 | 3°41'59 | 4♎23 | 28°56 | 14°35 | 22° 4 | 27° 5 | 23°18 | 8°37 | 17°38 | 11°56 | 23°48 | 22°51 | 5°28 | n.a. | T 11 |
| W12 | 12 14 21 | 4°39'17 | 16°15 | 1♈ 5 | 15°48 | 21°51 | 27° 0 | 23°14 | 8°39 | 17°36 | 11°56 | 23°36 | 22°48 | 5°34 | n.a. | W12 |
| T 13 | 12 18 17 | 5°36'35 | 28°10 | 3°16 | 17° 1 | 21°37 | 26°55 | 23°10 | 8°41 | 17°34 | 11°56 | 23°23 | 22°45 | 5°41 | n.a. | T 13 |
| F 14 | 12 22 14 | 6°33'52 | 10♏ 8 | 5°27 | 18°14 | 21°23 | 26°51 | 23° 5 | 8°44 | 17°33 | 11°57 | 23°12 | 22°42 | 5°48 | n.a. | F 14 |
| S 15 | 12 26 11 | 7°31'07 | 22°11 | 7°38 | 19°27 | 21° 9 | 26°46 | 23° 1 | 8°46 | 17°31 | 11°57 | 23° 2 | 22°39 | 5°54 | n.a. | S 15 |
| S 16 | 12 30 7 | 8°28'23 | 4♐22 | 9°50 | 20°40 | 20°53 | 26°42 | 22°57 | 8°48 | 17°30 | 11°57 | 22°55 | 22°36 | 6° 1 | n.a. | S 16 |
| M17 | 12 34 4 | 9°25'37 | 16°44 | 12° 1 | 21°53 | 20°37 | 26°38 | 22°53 | 8°50 | 17°28 | 11°57 | 22°51 | 22°32 | 6° 8 | n.a. | M17 |
| T 18 | 12 38 0 | 10°22'51 | 29°21 | 14°12 | 23° 6 | 20°21 | 26°34 | 22°49 | 8°53 | 17°27 | 11°57 | 22°49 | 22°29 | 6°15 | n.a. | T 18 |
| W19 | 12 41 57 | 11°20'04 | 12♑17 | 16°22 | 24°19 | 20° 4 | 26°30 | 22°45 | 8°55 | 17°25 | 11°58 | 22°D49 | 22°26 | 6°21 | n.a. | W19 |
| T 20 | 12 45 53 | 12°17'17 | 25°35 | 18°31 | 25°32 | 19°47 | 26°27 | 22°41 | 8°57 | 17°24 | 11°58 | 22°R49 | 22°23 | 6°28 | n.a. | T 20 |
| F 21 | 12 49 50 | 13°14'29 | 9♒20 | 20°40 | 26°45 | 19°30 | 26°24 | 22°37 | 9° 0 | 17°23 | 11°58 | 22°48 | 22°20 | 6°35 | n.a. | F 21 |
| S 22 | 12 53 46 | 14°11'40 | 23°32 | 22°46 | 27°58 | 19°12 | 26°20 | 22°33 | 9° 2 | 17°21 | 11°59 | 22°46 | 22°16 | 6°41 | n.a. | S 22 |
| S 23 | 12 57 43 | 15° 8'51 | 8♓10 | 24°52 | 29°11 | 18°54 | 26°17 | 22°29 | 9° 5 | 17°20 | 11°59 | 22°41 | 22°13 | 6°48 | n.a. | S 23 |
| M24 | 13 1 40 | 16° 6'01 | 23°10 | 26°55 | 0♈24 | 18°35 | 26°14 | 22°25 | 9° 7 | 17°18 | 11°59 | 22°33 | 22°10 | 6°55 | n.a. | M24 |
| T 25 | 13 5 36 | 17° 3'11 | 8♈24 | 28°56 | 1°38 | 18°17 | 26°12 | 22°21 | 9°10 | 17°17 | 12° 0 | 22°23 | 22° 7 | 7° 2 | n.a. | T 25 |
| W26 | 13 9 33 | 18° 0'20 | 23°42 | 0♉56 | 2°51 | 17°58 | 26° 9 | 22°17 | 9°12 | 17°16 | 12° 0 | 22°13 | 22° 4 | 7° 8 | n.a. | W26 |
| T 27 | 13 13 29 | 18°57'29 | 8♉51 | 2°53 | 4° 4 | 17°39 | 26° 7 | 22°13 | 9°15 | 17°14 | 12° 1 | 22° 2 | 22° 1 | 7°15 | n.a. | T 27 |
| F 28 | 13 17 26 | 19°54'37 | 23°43 | 4°49 | 5°17 | 17°21 | 26° 5 | 22°10 | 9°18 | 17°13 | 12° 1 | 21°53 | 21°57 | 7°22 | n.a. | F 28 |
| S 29 | 13 21 22 | 20°51'44 | 8♊10 | 6°41 | 6°30 | 17° 2 | 26° 3 | 22° 6 | 9°20 | 17°12 | 12° 2 | 21°46 | 21°54 | 7°28 | n.a. | S 29 |
| S 30 | 13 25 19 | 21♈48'51 | 22♊ 8 | 8♉32 | 7♈43 | 16♎43 | 26♌ 1 | 22♍ 3 | 9♊23 | 17♍11 | 12♋ 3 | 21♐42 | 21♐51 | 7♎35 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s23 | 24n28 | 4n11 | 10s15 | 1s56 | 12s15 | 1s32 | 8s 5 | 1n22 | 14n 8 | 1n51 | 5n 4 | 2n53 | 22n22 | 0n14 | 6n52 | 2n10 | 36n12 | 12n53 | 21s40 | 21s51 | 6s12 | | n.a. |
| S 2 | 1 59 | 26 10 | 3 22 | 9 26 | 1 50 | 11 48 | 1 32 | 8 5 | 1 20 | 14 10 | 1 50 | 5 5 | 2 53 | 22 23 | 0 14 | 6 53 | 2 10 | 36 11 | 12 53 | 21 40 | 21 52 | 6 15 | | n.a. |
| M 3 | 1 36 | 26 16 | 2 23 | 8 34 | 1 43 | 11 21 | 1 32 | 8 4 | 1 18 | 14 12 | 1 50 | 5 7 | 2 53 | 22 23 | 0 14 | 6 53 | 2 10 | 36 11 | 12 52 | 21 40 | 21 52 | 6 18 | | n.a. |
| T 4 | 1 13 | 24 54 | 1 19 | 7 41 | 1 35 | 10 53 | 1 32 | 8 4 | 1 15 | 14 14 | 1 50 | 5 9 | 2 53 | 22 23 | 0 14 | 6 54 | 2 10 | 36 11 | 12 52 | 21 40 | 21 53 | 6 21 | | n.a. |
| W 5 | 0 50 | 22 17 | 0 12 | 6 47 | 1 27 | 10 26 | 1 32 | 8 3 | 1 13 | 14 16 | 1 50 | 5 11 | 2 53 | 22 23 | 0 14 | 6 55 | 2 10 | 36 11 | 12 52 | 21 40 | 21 53 | 6 24 | | n.a. |
| T 6 | 0 26 | 18 40 | 0s53 | 5 51 | 1 19 | 9 58 | 1 32 | 8 2 | 1 10 | 14 17 | 1 50 | 5 12 | 2 53 | 22 24 | 0 14 | 6 55 | 2 10 | 36 10 | 12 51 | 21 40 | 21 54 | 6 27 | | n.a. |
| F 7 | 0 3 | 14 20 | 1 55 | 4 54 | 1 10 | 9 30 | 1 32 | 8 1 | 1 7 | 14 19 | 1 50 | 5 14 | 2 53 | 22 24 | 0 14 | 6 56 | 2 10 | 36 10 | 12 51 | 21 41 | 21 54 | 6 30 | | n.a. |
| S 8 | 0n20 | 9 30 | 2 52 | 3 55 | 1 0 | 9 1 | 1 32 | 8 0 | 1 4 | 14 21 | 1 49 | 5 16 | 2 53 | 22 24 | 0 14 | 6 57 | 2 10 | 36 10 | 12 51 | 21 42 | 21 55 | 6 33 | | n.a. |
| S 9 | 0 43 | 4 21 | 3 39 | 2 56 | 0 51 | 8 33 | 1 31 | 7 58 | 1 2 | 14 23 | 1 49 | 5 18 | 2 53 | 22 25 | 0 14 | 6 57 | 2 10 | 36 9 | 12 50 | 21 43 | 21 56 | 6 36 | | n.a. |
| M10 | 1 7 | 0s54 | 4 18 | 1 55 | 0 41 | 8 4 | 1 31 | 7 56 | 0 59 | 14 24 | 1 49 | 5 19 | 2 53 | 22 25 | 0 14 | 6 58 | 2 10 | 36 9 | 12 50 | 21 45 | 21 56 | 6 39 | | n.a. |
| T 11 | 1 30 | 6 6 | 4 44 | 0 54 | 0 31 | 7 35 | 1 31 | 7 54 | 0 56 | 14 26 | 1 49 | 5 21 | 2 53 | 22 25 | 0 14 | 6 58 | 2 10 | 36 9 | 12 50 | 21 47 | 21 57 | 6 42 | | n.a. |
| W12 | 1 53 | 11 6 | 4 59 | 0n 8 | 0 20 | 7 5 | 1 30 | 7 52 | 0 53 | 14 27 | 1 48 | 5 23 | 2 53 | 22 26 | 0 14 | 6 59 | 2 10 | 36 8 | 12 49 | 21 49 | 21 57 | 6 45 | | n.a. |
| T 13 | 2 16 | 15 41 | 5 0 | 1 11 | 0 10 | 6 36 | 1 29 | 7 50 | 0 49 | 14 29 | 1 48 | 5 24 | 2 53 | 22 26 | 0 14 | 7 0 | 2 10 | 36 8 | 12 49 | 21 51 | 21 58 | 6 48 | | n.a. |
| F 14 | 2 39 | 19 42 | 4 48 | 2 13 | 0n 1 | 6 6 | 1 29 | 7 47 | 0 46 | 14 30 | 1 48 | 5 26 | 2 53 | 22 26 | 0 14 | 7 0 | 2 10 | 36 8 | 12 49 | 21 53 | 21 58 | 6 51 | | n.a. |
| S 15 | 3 2 | 22 55 | 4 24 | 3 16 | 0 11 | 5 36 | 1 28 | 7 45 | 0 43 | 14 31 | 1 48 | 5 28 | 2 53 | 22 27 | 0 14 | 7 1 | 2 10 | 36 7 | 12 48 | 21 55 | 21 59 | 6 54 | | n.a. |
| S 16 | 3 26 | 25 9 | 3 47 | 4 18 | 0 22 | 5 6 | 1 27 | 7 42 | 0 40 | 14 33 | 1 47 | 5 29 | 2 53 | 22 27 | 0 14 | 7 1 | 2 10 | 36 7 | 12 48 | 21 56 | 21 59 | 6 57 | | n.a. |
| M17 | 3 48 | 26 12 | 2 59 | 5 20 | 0 32 | 4 36 | 1 26 | 7 39 | 0 36 | 14 34 | 1 47 | 5 31 | 2 53 | 22 27 | 0 14 | 7 2 | 2 10 | 36 7 | 12 48 | 21 57 | 22 0 | 7 0 | | n.a. |
| T 18 | 4 11 | 25 56 | 2 1 | 6 21 | 0 42 | 4 6 | 1 26 | 7 36 | 0 33 | 14 35 | 1 47 | 5 32 | 2 52 | 22 28 | 0 14 | 7 2 | 2 10 | 36 6 | 12 48 | 21 57 | 22 0 | 7 3 | | n.a. |
| W19 | 4 34 | 24 16 | 0 55 | 7 22 | 0 52 | 3 36 | 1 25 | 7 33 | 0 29 | 14 36 | 1 47 | 5 34 | 2 52 | 22 28 | 0 14 | 7 3 | 2 10 | 36 6 | 12 47 | 21 57 | 22 1 | 7 6 | | n.a. |
| T 20 | 4 57 | 21 13 | 0n15 | 8 21 | 1 1 | 3 5 | 1 24 | 7 30 | 0 26 | 14 37 | 1 46 | 5 35 | 2 52 | 22 28 | 0 14 | 7 4 | 2 10 | 36 6 | 12 47 | 21 57 | 22 1 | 7 9 | | n.a. |
| F 21 | 5 20 | 16 54 | 1 26 | 9 18 | 1 10 | 2 34 | 1 23 | 7 26 | 0 22 | 14 38 | 1 46 | 5 37 | 2 52 | 22 29 | 0 14 | 7 4 | 2 10 | 36 5 | 12 47 | 21 57 | 22 2 | 7 12 | | n.a. |
| S 22 | 5 42 | 11 31 | 2 35 | 10 15 | 1 19 | 2 4 | 1 21 | 7 23 | 0 19 | 14 39 | 1 46 | 5 38 | 2 52 | 22 29 | 0 14 | 7 5 | 2 10 | 36 5 | 12 46 | 21 58 | 22 2 | 7 15 | | n.a. |
| S 23 | 6 5 | 5 22 | 3 35 | 11 9 | 1 27 | 1 33 | 1 20 | 7 19 | 0 15 | 14 40 | 1 46 | 5 40 | 2 52 | 22 29 | 0 14 | 7 5 | 2 10 | 36 5 | 12 46 | 21 58 | 22 3 | 7 17 | | n.a. |
| M24 | 6 27 | 1n14 | 4 22 | 12 2 | 1 34 | 1 2 | 1 19 | 7 15 | 0 11 | 14 40 | 1 45 | 5 41 | 2 52 | 22 30 | 0 14 | 7 6 | 2 10 | 36 4 | 12 46 | 22 0 | 22 4 | 7 20 | | n.a. |
| T 25 | 6 50 | 7 50 | 4 52 | 12 53 | 1 41 | 0 31 | 1 18 | 7 11 | 0 8 | 14 41 | 1 45 | 5 43 | 2 52 | 22 30 | 0 14 | 7 6 | 2 10 | 36 4 | 12 45 | 22 1 | 22 4 | 7 23 | | n.a. |
| W26 | 7 12 | 14 0 | 5 0 | 13 42 | 1 47 | 0 1 | 1 16 | 7 8 | 0 4 | 14 42 | 1 45 | 5 44 | 2 51 | 22 31 | 0 14 | 7 7 | 2 10 | 36 4 | 12 45 | 22 3 | 22 5 | 7 26 | | n.a. |
| T 27 | 7 34 | 19 16 | 4 48 | 14 29 | 1 53 | 0n30 | 1 15 | 7 4 | 0 0 | 14 42 | 1 45 | 5 46 | 2 51 | 22 31 | 0 14 | 7 7 | 2 10 | 36 3 | 12 45 | 22 5 | 22 5 | 7 29 | | n.a. |
| F 28 | 7 56 | 23 12 | 4 16 | 15 13 | 1 57 | 1 1 | 1 13 | 7 0 | 0s 4 | 14 43 | 1 44 | 5 47 | 2 51 | 22 32 | 0 14 | 7 8 | 2 9 | 36 3 | 12 44 | 22 6 | 22 6 | 7 32 | | n.a. |
| S 29 | 8 18 | 25 32 | 3 28 | 15 56 | 2 2 | 1 32 | 1 12 | 6 56 | 0 7 | 14 43 | 1 44 | 5 48 | 2 51 | 22 32 | 0 14 | 7 8 | 2 9 | 36 2 | 12 44 | 22 7 | 22 6 | 7 35 | | n.a. |
| S 30 | 8n40 | 26n10 | 2n29 | 16n36 | 2n 5 | 2n 3 | 1s10 | 6s52 | 0s11 | 14n43 | 1n44 | 5n49 | 2n51 | 22n32 | 0n14 | 7n 9 | 2n 9 | 36n 2 | 12n44 | 22s 8 | 22s 7 | 7s38 | | n.a. |

Julian Day Number = 993570.5, Delta T = 12h59m35s
Ecliptic obliquity = 23°55'29, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'49, Lahiri = -31°25'49 Julian Calendar 1 Apr. 1993 BCE == Greg. Calendar 15 March 1993 BCE


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## MAY 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 29 16 | 22♈45'57 | 5♋36 | 10♉20 | 8♈57 | 16°R24 | 25°R59 | 21°R59 | 9♊26 | 17°R 9 | 12♋ 3 | 21°R40 | 21♏48 | 7♎42 | n.a. | M 1 |
| T 2 | 13 33 12 | 23°43'02 | 18°37 | 12° 6 | 10°10 | 16♎ 5 | 25♌58 | 21♍56 | 9°29 | 17♍ 8 | 12° 4 | 21♏40 | 21°45 | 7°49 | n.a. | T 2 |
| W 3 | 13 37 9 | 24°40'06 | 1♌15 | 13°50 | 11°23 | 15°47 | 25°56 | 21°52 | 9°32 | 17° 7 | 12° 5 | 21°40 | 21°42 | 7°55 | n.a. | W 3 |
| T 4 | 13 41 5 | 25°37'10 | 13°35 | 15°31 | 12°36 | 15°29 | 25°55 | 21°49 | 9°34 | 17° 6 | 12° 5 | 21°39 | 21°38 | 8° 2 | n.a. | T 4 |
| F 5 | 13 45 2 | 26°34'13 | 25°42 | 17° 9 | 13°49 | 15°11 | 25°54 | 21°46 | 9°37 | 17° 4 | 12° 6 | 21°36 | 21°35 | 8° 9 | n.a. | F 5 |
| S 6 | 13 48 58 | 27°31'15 | 7♍40 | 18°46 | 15° 3 | 14°53 | 25°54 | 21°43 | 9°40 | 17° 3 | 12° 7 | 21°31 | 21°32 | 8°16 | n.a. | S 6 |
| S 7 | 13 52 55 | 28°28'17 | 19°33 | 20°19 | 16°16 | 14°36 | 25°53 | 21°40 | 9°43 | 17° 2 | 12° 8 | 21°23 | 21°29 | 8°22 | n.a. | S 7 |
| M 8 | 13 56 51 | 29°25'19 | 1♎24 | 21°51 | 17°29 | 14°19 | 25°53 | 21°36 | 9°46 | 17° 1 | 12° 8 | 21°13 | 21°26 | 8°29 | n.a. | M 8 |
| T 9 | 14 0 48 | 0♉22'20 | 13°16 | 23°20 | 18°43 | 14° 3 | 25°52 | 21°34 | 9°49 | 17° 0 | 12° 9 | 21° 1 | 21°22 | 8°36 | n.a. | T 9 |
| W10 | 14 4 45 | 1°19'21 | 25°12 | 24°46 | 19°56 | 13°47 | 25°D52 | 21°31 | 9°52 | 16°59 | 12°10 | 20°47 | 21°19 | 8°42 | n.a. | W10 |
| T 11 | 14 8 41 | 2°16'22 | 7♏11 | 26°10 | 21° 9 | 13°32 | 25°53 | 21°28 | 9°56 | 16°58 | 12°11 | 20°34 | 21°16 | 8°49 | n.a. | T 11 |
| F 12 | 14 12 38 | 3°13'23 | 19°16 | 27°31 | 22°23 | 13°17 | 25°53 | 21°25 | 9°59 | 16°57 | 12°12 | 20°22 | 21°13 | 8°56 | n.a. | F 12 |
| S 13 | 14 16 34 | 4°10'24 | 1♐28 | 28°50 | 23°36 | 13° 2 | 25°53 | 21°22 | 10° 2 | 16°56 | 12°13 | 20°12 | 21°10 | 9° 3 | n.a. | S 13 |
| S 14 | 14 20 31 | 5° 7'25 | 13°49 | 0♊ 6 | 24°49 | 12°49 | 25°54 | 21°20 | 10° 5 | 16°55 | 12°14 | 20° 5 | 21° 7 | 9° 9 | n.a. | S 14 |
| M15 | 14 24 27 | 6° 4'26 | 26°19 | 1°19 | 26° 3 | 12°35 | 25°55 | 21°17 | 10° 8 | 16°54 | 12°15 | 20° 0 | 21° 3 | 9°16 | n.a. | M15 |
| T 16 | 14 28 24 | 7° 1'27 | 9♑ 3 | 2°29 | 27°16 | 12°23 | 25°56 | 21°15 | 10°11 | 16°53 | 12°16 | 19°58 | 21° 0 | 9°23 | n.a. | T 16 |
| W17 | 14 32 21 | 7°58'29 | 22° 2 | 3°37 | 28°30 | 12°11 | 25°57 | 21°13 | 10°15 | 16°52 | 12°17 | 19°D58 | 20°57 | 9°29 | n.a. | W17 |
| T 18 | 14 36 17 | 8°55'31 | 5♒19 | 4°42 | 29°43 | 12° 0 | 25°59 | 21°10 | 10°18 | 16°51 | 12°18 | 19°R58 | 20°54 | 9°36 | n.a. | T 18 |
| F 19 | 14 40 14 | 9°52'33 | 18°58 | 5°44 | 0♉57 | 11°50 | 26° 0 | 21° 8 | 10°21 | 16°51 | 12°19 | 19°58 | 20°51 | 9°43 | n.a. | F 19 |
| S 20 | 14 44 10 | 10°49'36 | 3♓ 0 | 6°42 | 2°10 | 11°40 | 26° 2 | 21° 6 | 10°25 | 16°50 | 12°20 | 19°56 | 20°47 | 9°50 | n.a. | S 20 |
| S 21 | 14 48 7 | 11°46'40 | 17°25 | 7°38 | 3°24 | 11°31 | 26° 4 | 21° 4 | 10°28 | 16°49 | 12°22 | 19°52 | 20°44 | 9°56 | n.a. | S 21 |
| M22 | 14 52 3 | 12°43'44 | 2♈11 | 8°30 | 4°37 | 11°23 | 26° 6 | 21° 2 | 10°31 | 16°48 | 12°23 | 19°46 | 20°41 | 10° 3 | n.a. | M22 |
| T 23 | 14 56 0 | 13°40'48 | 17°10 | 9°19 | 5°51 | 11°16 | 26° 8 | 21° 0 | 10°35 | 16°47 | 12°24 | 19°37 | 20°38 | 10°10 | n.a. | T 23 |
| W24 | 14 59 56 | 14°37'53 | 2♉15 | 10° 4 | 7° 4 | 11° 9 | 26°11 | 20°58 | 10°38 | 16°47 | 12°25 | 19°28 | 20°35 | 10°17 | n.a. | W24 |
| T 25 | 15 3 53 | 15°34'58 | 17°17 | 10°46 | 8°18 | 11° 4 | 26°13 | 20°57 | 10°42 | 16°46 | 12°27 | 19°19 | 20°32 | 10°23 | n.a. | T 25 |
| F 26 | 15 7 50 | 16°32'04 | 2♊ 4 | 11°24 | 9°32 | 10°59 | 26°16 | 20°55 | 10°45 | 16°46 | 12°28 | 19°11 | 20°28 | 10°30 | n.a. | F 26 |
| S 27 | 15 11 46 | 17°29'10 | 16°31 | 11°57 | 10°45 | 10°55 | 26°19 | 20°54 | 10°48 | 16°45 | 12°29 | 19° 5 | 20°25 | 10°37 | n.a. | S 27 |
| S 28 | 15 15 43 | 18°26'17 | 0♋31 | 12°27 | 11°59 | 10°51 | 26°22 | 20°52 | 10°52 | 16°44 | 12°30 | 19° 1 | 20°22 | 10°43 | n.a. | S 28 |
| M29 | 15 19 39 | 19°23'24 | 14° 3 | 12°53 | 13°13 | 10°49 | 26°26 | 20°51 | 10°55 | 16°44 | 12°32 | 19°D 0 | 20°19 | 10°50 | n.a. | M29 |
| T 30 | 15 23 36 | 20°20'31 | 27° 8 | 13°14 | 14°26 | 10°48 | 26°29 | 20°50 | 10°59 | 16°43 | 12°33 | 19° 0 | 20°16 | 10°57 | n.a. | T 30 |
| W31 | 15 27 32 | 21♉17'38 | 9♌49 | 13♊30 | 15♉40 | 10°D47 | 26♌33 | 20♍49 | 11♊ 3 | 16♍43 | 12♋35 | 19♑ 1 | 20♑13 | 11♎ 4 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 9n 2 | 25n12 | 1n24 | 17n14 | 2n 8 | 2n34 | 1s 9 | 6s48 | 0s15 | 14n44 | 1n43 | 5n51 | 2n51 | 22n33 | 0n14 | 7n 9 | 2n 9 | 36n 2 | 12n43 | 22s 8 | 22s 7 | 7s41 | | | n.a. |
| T 2 | 9 23 | 22 52 | 0 16 | 17 50 | 2 10 | 3 5 | 1 7 | 6 45 | 0 19 | 14 44 | 1 43 | 5 52 | 2 51 | 22 33 | 0 14 | 7 10 | 2 9 | 36 1 | 12 43 | 22 8 | 22 8 | 7 44 | | | n.a. |
| W 3 | 9 45 | 19 28 | 0s51 | 18 24 | 2 12 | 3 35 | 1 5 | 6 41 | 0 23 | 14 44 | 1 43 | 5 53 | 2 50 | 22 34 | 0 14 | 7 10 | 2 9 | 36 1 | 12 43 | 22 9 | 22 8 | 7 47 | | | n.a. |
| T 4 | 10 6 | 15 17 | 1 53 | 18 55 | 2 12 | 4 6 | 1 4 | 6 37 | 0 26 | 14 44 | 1 42 | 5 54 | 2 50 | 22 34 | 0 14 | 7 10 | 2 9 | 36 1 | 12 42 | 22 9 | 22 9 | 7 50 | | | n.a. |
| F 5 | 10 27 | 10 33 | 2 49 | 19 25 | 2 12 | 4 37 | 1 2 | 6 34 | 0 30 | 14 44 | 1 42 | 5 55 | 2 50 | 22 35 | 0 14 | 7 11 | 2 9 | 36 0 | 12 42 | 22 9 | 22 9 | 7 52 | | | n.a. |
| S 6 | 10 48 | 5 31 | 3 37 | 19 52 | 2 12 | 5 7 | 1 0 | 6 30 | 0 34 | 14 44 | 1 42 | 5 57 | 2 50 | 22 35 | 0 14 | 7 11 | 2 9 | 36 0 | 12 42 | 22 10 | 22 10 | 7 55 | | | n.a. |
| S 7 | 11 9 | 0 19 | 4 16 | 20 17 | 2 10 | 5 38 | 0 58 | 6 27 | 0 38 | 14 44 | 1 42 | 5 58 | 2 50 | 22 35 | 0 14 | 7 12 | 2 9 | 35 59 | 12 42 | 22 11 | 22 10 | 7 58 | | | n.a. |
| M 8 | 11 29 | 4s52 | 4 43 | 20 40 | 2 8 | 6 8 | 0 56 | 6 24 | 0 41 | 14 44 | 1 41 | 5 59 | 2 49 | 22 36 | 0 14 | 7 12 | 2 9 | 35 59 | 12 41 | 22 13 | 22 11 | 8 1 | | | n.a. |
| T 9 | 11 50 | 9 53 | 4 57 | 21 0 | 2 6 | 6 38 | 0 54 | 6 20 | 0 45 | 14 44 | 1 41 | 6 0 | 2 49 | 22 36 | 0 14 | 7 12 | 2 9 | 35 59 | 12 41 | 22 15 | 22 11 | 8 4 | | | n.a. |
| W10 | 12 10 | 14 34 | 4 59 | 21 19 | 2 2 | 7 8 | 0 52 | 6 17 | 0 49 | 14 44 | 1 41 | 6 1 | 2 49 | 22 37 | 0 14 | 7 13 | 2 9 | 35 58 | 12 41 | 22 17 | 22 12 | 8 7 | | | n.a. |
| T 11 | 12 30 | 18 42 | 4 48 | 21 36 | 1 58 | 7 38 | 0 50 | 6 15 | 0 52 | 14 43 | 1 40 | 6 2 | 2 49 | 22 37 | 0 14 | 7 13 | 2 9 | 35 58 | 12 40 | 22 19 | 22 12 | 8 10 | | | n.a. |
| F 12 | 12 50 | 22 6 | 4 23 | 21 51 | 1 54 | 8 8 | 0 48 | 6 12 | 0 56 | 14 43 | 1 40 | 6 3 | 2 49 | 22 38 | 0 14 | 7 14 | 2 9 | 35 58 | 12 40 | 22 21 | 22 13 | 8 13 | | | n.a. |
| S 13 | 13 10 | 24 34 | 3 47 | 22 4 | 1 49 | 8 38 | 0 46 | 6 10 | 1 0 | 14 42 | 1 40 | 6 3 | 2 48 | 22 38 | 0 14 | 7 14 | 2 9 | 35 57 | 12 40 | 22 22 | 22 13 | 8 16 | | | n.a. |
| S 14 | 13 30 | 25 53 | 2 59 | 22 15 | 1 43 | 9 7 | 0 44 | 6 7 | 1 3 | 14 42 | 1 39 | 6 4 | 2 48 | 22 39 | 0 14 | 7 14 | 2 9 | 35 57 | 12 40 | 22 23 | 22 14 | 8 18 | | | n.a. |
| M15 | 13 49 | 25 54 | 2 2 | 22 25 | 1 36 | 9 36 | 0 42 | 6 5 | 1 7 | 14 41 | 1 39 | 6 5 | 2 48 | 22 39 | 0 14 | 7 15 | 2 9 | 35 56 | 12 39 | 22 24 | 22 14 | 8 21 | | | n.a. |
| T 16 | 14 8 | 24 34 | 0 58 | 22 32 | 1 29 | 10 5 | 0 40 | 6 3 | 1 10 | 14 41 | 1 39 | 6 6 | 2 48 | 22 40 | 0 14 | 7 15 | 2 9 | 35 56 | 12 39 | 22 24 | 22 15 | 8 24 | | | n.a. |
| W17 | 14 27 | 21 54 | 0n11 | 22 38 | 1 21 | 10 34 | 0 38 | 6 2 | 1 13 | 14 40 | 1 39 | 6 7 | 2 48 | 22 40 | 0 14 | 7 15 | 2 9 | 35 56 | 12 39 | 22 24 | 22 15 | 8 27 | | | n.a. |
| T 18 | 14 46 | 18 1 | 1 21 | 22 42 | 1 13 | 11 3 | 0 36 | 6 0 | 1 17 | 14 39 | 1 38 | 6 7 | 2 47 | 22 41 | 0 14 | 7 15 | 2 9 | 35 55 | 12 38 | 22 24 | 22 16 | 8 30 | | | n.a. |
| F 19 | 15 4 | 13 6 | 2 28 | 22 45 | 1 4 | 11 31 | 0 33 | 5 59 | 1 20 | 14 38 | 1 38 | 6 8 | 2 47 | 22 41 | 0 14 | 7 16 | 2 8 | 35 55 | 12 38 | 22 24 | 22 16 | 8 33 | | | n.a. |
| S 20 | 15 22 | 7 23 | 3 28 | 22 46 | 0 55 | 11 59 | 0 31 | 5 58 | 1 23 | 14 37 | 1 38 | 6 9 | 2 47 | 22 42 | 0 14 | 7 16 | 2 8 | 35 54 | 12 38 | 22 25 | 22 17 | 8 36 | | | n.a. |
| S 21 | 15 40 | 1 9 | 4 16 | 22 46 | 0 45 | 12 27 | 0 29 | 5 58 | 1 26 | 14 36 | 1 37 | 6 9 | 2 47 | 22 42 | 0 14 | 7 16 | 2 8 | 35 54 | 12 38 | 22 25 | 22 17 | 8 39 | | | n.a. |
| M22 | 15 58 | 5n17 | 4 49 | 22 44 | 0 34 | 12 54 | 0 26 | 5 57 | 1 29 | 14 35 | 1 37 | 6 10 | 2 46 | 22 43 | 0 14 | 7 16 | 2 8 | 35 54 | 12 37 | 22 26 | 22 18 | 8 41 | | | n.a. |
| T 23 | 16 16 | 11 31 | 5 3 | 22 41 | 0 23 | 13 22 | 0 24 | 5 57 | 1 32 | 14 34 | 1 37 | 6 10 | 2 46 | 22 43 | 0 14 | 7 17 | 2 8 | 35 53 | 12 37 | 22 27 | 22 18 | 8 44 | | | n.a. |
| W24 | 16 33 | 17 6 | 4 55 | 22 36 | 0 12 | 13 48 | 0 22 | 5 57 | 1 35 | 14 33 | 1 36 | 6 11 | 2 46 | 22 44 | 0 14 | 7 17 | 2 8 | 35 53 | 12 37 | 22 29 | 22 19 | 8 47 | | | n.a. |
| T 25 | 16 50 | 21 36 | 4 28 | 22 30 | 0s 1 | 14 15 | 0 20 | 5 57 | 1 38 | 14 32 | 1 36 | 6 11 | 2 46 | 22 44 | 0 14 | 7 17 | 2 8 | 35 53 | 12 37 | 22 30 | 22 19 | 8 50 | | | n.a. |
| F 26 | 17 7 | 24 38 | 3 43 | 22 23 | 0 13 | 14 41 | 0 17 | 5 58 | 1 41 | 14 31 | 1 36 | 6 12 | 2 45 | 22 45 | 0 14 | 7 17 | 2 8 | 35 52 | 12 36 | 22 31 | 22 20 | 8 53 | | | n.a. |
| S 27 | 17 24 | 25 57 | 2 44 | 22 15 | 0 26 | 15 7 | 0 15 | 5 59 | 1 43 | 14 29 | 1 36 | 6 12 | 2 45 | 22 45 | 0 14 | 7 18 | 2 8 | 35 52 | 12 36 | 22 32 | 22 20 | 8 56 | | | n.a. |
| S 28 | 17 40 | 25 32 | 1 37 | 22 6 | 0 40 | 15 33 | 0 12 | 6 0 | 1 46 | 14 28 | 1 35 | 6 12 | 2 45 | 22 46 | 0 14 | 7 18 | 2 8 | 35 51 | 12 36 | 22 33 | 22 21 | 8 58 | | | n.a. |
| M29 | 17 56 | 23 36 | 0 26 | 21 55 | 0 53 | 15 58 | 0 10 | 6 2 | 1 49 | 14 27 | 1 35 | 6 13 | 2 45 | 22 46 | 0 14 | 7 18 | 2 8 | 35 51 | 12 36 | 22 33 | 22 21 | 9 1 | | | n.a. |
| T 30 | 18 11 | 20 27 | 0s43 | 21 44 | 1 7 | 16 22 | 0 8 | 6 3 | 1 51 | 14 25 | 1 35 | 6 13 | 2 44 | 22 47 | 0 14 | 7 18 | 2 8 | 35 51 | 12 35 | 22 33 | 22 22 | 9 4 | | | n.a. |
| W31 | 18n27 | 16n24 | 1s49 | 21n32 | 1s22 | 16n47 | 0s 5 | 6s 5 | 1s54 | 14n23 | 1n34 | 6n13 | 2n44 | 22n47 | 0n14 | 7n18 | 2n 8 | 35n50 | 12n35 | 22s33 | 22s22 | 9s 7 | | | n.a. |

Julian Day Number = 993600.5, Delta T = 12h59m33s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'45, Lahiri = -31°25'45 Julian Calendar 1 May 1993 BCE == Greg. Calendar 14 Apr. 1993 BCE


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## JUNE 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 31 29 | 22♉14'45 | 22♌11 | 13♊42 | 16♉54 | 10♎47 | 26♌37 | 20°R48 | 11♊ 6 | 16°R42 | 12♋36 | 19°R 1 | 20♏ 9 | 11♎10 | n.a. | T 1 |
| F 2 | 15 35 26 | 23°11'53 | 4♍19 | 13°50 | 18° 8 | 10°48 | 26°41 | 20♍47 | 11°10 | 16♍42 | 12°38 | 19♏ 0 | 20° 6 | 11°17 | n.a. | F 2 |
| S 3 | 15 39 22 | 24° 9'02 | 16°16 | 13°R52 | 19°21 | 10°50 | 26°45 | 20°46 | 11°13 | 16°42 | 12°39 | 18°58 | 20° 3 | 11°24 | n.a. | S 3 |
| S 4 | 15 43 19 | 25° 6'10 | 28° 9 | 13°50 | 20°35 | 10°53 | 26°49 | 20°45 | 11°17 | 16°41 | 12°41 | 18°53 | 20° 0 | 11°30 | n.a. | S 4 |
| M 5 | 15 47 15 | 26° 3'19 | 10♎ 1 | 13°42 | 21°49 | 10°57 | 26°54 | 20°44 | 11°20 | 16°41 | 12°42 | 18°46 | 19°57 | 11°37 | n.a. | M 5 |
| T 6 | 15 51 12 | 27° 0'29 | 21°56 | 13°30 | 23° 3 | 11° 1 | 26°58 | 20°44 | 11°24 | 16°41 | 12°44 | 18°38 | 19°53 | 11°44 | n.a. | T 6 |
| W 7 | 15 55 8 | 27°57'40 | 3♏55 | 13°13 | 24°17 | 11° 6 | 27° 3 | 20°43 | 11°28 | 16°40 | 12°45 | 18°29 | 19°50 | 11°51 | n.a. | W 7 |
| T 8 | 15 59 5 | 28°54'51 | 16° 2 | 12°51 | 25°30 | 11°12 | 27° 8 | 20°43 | 11°31 | 16°40 | 12°47 | 18°20 | 19°47 | 11°57 | n.a. | T 8 |
| F 9 | 16 3 2 | 29°52'03 | 28°18 | 12°25 | 26°44 | 11°19 | 27°13 | 20°43 | 11°35 | 16°40 | 12°48 | 18°11 | 19°44 | 12° 4 | n.a. | F 9 |
| S 10 | 16 6 58 | 0♊49'16 | 10♐43 | 11°54 | 27°58 | 11°26 | 27°18 | 20°42 | 11°39 | 16°40 | 12°50 | 18° 4 | 19°41 | 12°11 | n.a. | S 10 |
| S 11 | 16 10 55 | 1°46'30 | 23°18 | 11°20 | 29°12 | 11°35 | 27°24 | 20°D42 | 11°42 | 16°39 | 12°52 | 18° 0 | 19°38 | 12°18 | n.a. | S 11 |
| M12 | 16 14 51 | 2°43'45 | 6♏ 5 | 10°43 | 0♊26 | 11°44 | 27°29 | 20°42 | 11°46 | 16°39 | 12°53 | 17°57 | 19°34 | 12°24 | n.a. | M12 |
| T 13 | 16 18 48 | 3°41'01 | 19° 3 | 10° 2 | 1°40 | 11°54 | 27°35 | 20°42 | 11°50 | 16°39 | 12°55 | 17°D56 | 19°31 | 12°31 | n.a. | T 13 |
| W14 | 16 22 44 | 4°38'18 | 2♒15 | 9°20 | 2°54 | 12° 4 | 27°41 | 20°43 | 11°53 | 16°39 | 12°57 | 17°57 | 19°28 | 12°38 | n.a. | W14 |
| T 15 | 16 26 41 | 5°35'37 | 15°41 | 8°36 | 4° 8 | 12°15 | 27°47 | 20°43 | 11°57 | 16°D39 | 12°58 | 17°58 | 19°25 | 12°44 | n.a. | T 15 |
| F 16 | 16 30 37 | 6°32'57 | 29°23 | 7°51 | 5°22 | 12°27 | 27°53 | 20°43 | 12° 1 | 16°39 | 13° 0 | 17°59 | 19°22 | 12°51 | n.a. | F 16 |
| S 17 | 16 34 34 | 7°30'18 | 13♓21 | 7° 6 | 6°36 | 12°40 | 27°59 | 20°44 | 12° 4 | 16°39 | 13° 2 | 18°R 0 | 19°19 | 12°58 | n.a. | S 17 |
| S 18 | 16 38 31 | 8°27'41 | 27°35 | 6°23 | 7°50 | 12°54 | 28° 6 | 20°44 | 12° 8 | 16°39 | 13° 4 | 17°58 | 19°15 | 13° 5 | n.a. | S 18 |
| M19 | 16 42 27 | 9°25'05 | 12♈ 3 | 5°41 | 9° 4 | 13° 8 | 28°12 | 20°45 | 12°12 | 16°39 | 13° 5 | 17°55 | 19°12 | 13°11 | n.a. | M19 |
| T 20 | 16 46 24 | 10°22'31 | 26°41 | 5° 1 | 10°18 | 13°22 | 28°19 | 20°46 | 12°16 | 16°40 | 13° 7 | 17°51 | 19° 9 | 13°18 | n.a. | T 20 |
| W21 | 16 50 20 | 11°19'58 | 11♉23 | 4°25 | 11°33 | 13°38 | 28°26 | 20°47 | 12°19 | 16°40 | 13° 9 | 17°45 | 19° 6 | 13°25 | n.a. | W21 |
| T 22 | 16 54 17 | 12°17'26 | 26° 2 | 3°52 | 12°47 | 13°54 | 28°33 | 20°48 | 12°23 | 16°40 | 13°11 | 17°40 | 19° 3 | 13°32 | n.a. | T 22 |
| F 23 | 16 58 13 | 13°14'57 | 10♊32 | 3°25 | 14° 1 | 14°11 | 28°40 | 20°49 | 12°27 | 16°40 | 13°13 | 17°36 | 18°59 | 13°38 | n.a. | F 23 |
| S 24 | 17 2 10 | 14°12'28 | 24°45 | 3° 2 | 15°15 | 14°28 | 28°47 | 20°50 | 12°30 | 16°41 | 13°14 | 17°32 | 18°56 | 13°45 | n.a. | S 24 |
| S 25 | 17 6 7 | 15°10'01 | 8♋37 | 2°46 | 16°29 | 14°46 | 28°54 | 20°51 | 12°34 | 16°41 | 13°16 | 17°31 | 18°53 | 13°52 | n.a. | S 25 |
| M26 | 17 10 3 | 16° 7'35 | 22° 6 | 2°35 | 17°44 | 15° 5 | 29° 2 | 20°52 | 12°38 | 16°41 | 13°18 | 17°D30 | 18°50 | 13°58 | n.a. | M26 |
| T 27 | 17 14 0 | 17° 5'10 | 5♌11 | 2°D32 | 18°58 | 15°24 | 29° 9 | 20°54 | 12°42 | 16°42 | 13°20 | 17°31 | 18°47 | 14° 5 | n.a. | T 27 |
| W28 | 17 17 56 | 18° 2'46 | 17°54 | 2°34 | 20°12 | 15°44 | 29°17 | 20°55 | 12°45 | 16°42 | 13°22 | 17°33 | 18°44 | 14°12 | n.a. | W28 |
| T 29 | 17 21 53 | 19° 0'24 | 0♍18 | 2°44 | 21°26 | 16° 4 | 29°25 | 20°57 | 12°49 | 16°42 | 13°24 | 17°34 | 18°40 | 14°19 | n.a. | T 29 |
| F 30 | 17 25 49 | 19♊58'02 | 12♍28 | 3♊ 1 | 22♊41 | 16♎25 | 29♌33 | 20♍59 | 12♊53 | 16♍43 | 13♋26 | 17♏36 | 18♏37 | 14♎25 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n42 | 11n45 | 2s48 | 21n19 | 1s36 | 17n10 | 0s 3 | 6s 8 | 1s56 | 14n22 | 1n34 | 6n13 | 2n44 | 22n48 | 0n14 | 7n18 | 2n 8 | 35n50 | 12n35 | 22s33 | 22s23 | 9s10 | | n.a. |
| F 2 | 18 57 | 6 45 | 3 38 | 21 5 | 1 51 | 17 34 | 0 1 | 6 10 | 1 58 | 14 20 | 1 34 | 6 14 | 2 44 | 22 48 | 0 14 | 7 18 | 2 8 | 35 49 | 12 35 | 22 33 | 22 23 | 9 13 | | n.a. |
| S 3 | 19 11 | 1 34 | 4 18 | 20 51 | 2 6 | 17 57 | 0n 2 | 6 13 | 2 1 | 14 18 | 1 33 | 6 14 | 2 43 | 22 49 | 0 14 | 7 18 | 2 8 | 35 49 | 12 35 | 22 33 | 22 24 | 9 15 | | n.a. |
| S 4 | 19 26 | 3s37 | 4 46 | 20 36 | 2 21 | 18 19 | 0 4 | 6 16 | 2 3 | 14 17 | 1 33 | 6 14 | 2 43 | 22 49 | 0 14 | 7 19 | 2 8 | 35 49 | 12 34 | 22 34 | 22 24 | 9 18 | | n.a. |
| M 5 | 19 39 | 8 40 | 5 2 | 20 20 | 2 35 | 18 42 | 0 6 | 6 19 | 2 5 | 14 15 | 1 33 | 6 14 | 2 43 | 22 50 | 0 14 | 7 19 | 2 7 | 35 48 | 12 34 | 22 35 | 22 25 | 9 21 | | n.a. |
| T 6 | 19 53 | 13 25 | 5 5 | 20 5 | 2 49 | 19 3 | 0 9 | 6 23 | 2 7 | 14 13 | 1 33 | 6 14 | 2 43 | 22 50 | 0 14 | 7 19 | 2 7 | 35 48 | 12 34 | 22 36 | 22 25 | 9 24 | | n.a. |
| W 7 | 20 6 | 17 41 | 4 55 | 19 49 | 3 3 | 19 24 | 0 11 | 6 27 | 2 9 | 14 11 | 1 32 | 6 14 | 2 42 | 22 51 | 0 14 | 7 19 | 2 7 | 35 48 | 12 34 | 22 37 | 22 25 | 9 27 | | n.a. |
| T 8 | 20 19 | 21 17 | 4 31 | 19 33 | 3 17 | 19 45 | 0 14 | 6 31 | 2 11 | 14 9 | 1 32 | 6 14 | 2 42 | 22 51 | 0 14 | 7 19 | 2 7 | 35 47 | 12 34 | 22 38 | 22 26 | 9 29 | | n.a. |
| F 9 | 20 32 | 24 0 | 3 55 | 19 17 | 3 30 | 20 5 | 0 16 | 6 36 | 2 13 | 14 7 | 1 32 | 6 13 | 2 42 | 22 52 | 0 14 | 7 19 | 2 7 | 35 47 | 12 33 | 22 40 | 22 26 | 9 32 | | n.a. |
| S 10 | 20 44 | 25 35 | 3 7 | 19 1 | 3 42 | 20 24 | 0 18 | 6 40 | 2 15 | 14 5 | 1 31 | 6 13 | 2 42 | 22 52 | 0 14 | 7 19 | 2 7 | 35 47 | 12 33 | 22 41 | 22 27 | 9 35 | | n.a. |
| S 11 | 20 56 | 25 54 | 2 9 | 18 45 | 3 53 | 20 43 | 0 20 | 6 45 | 2 17 | 14 3 | 1 31 | 6 13 | 2 41 | 22 53 | 0 14 | 7 19 | 2 7 | 35 46 | 12 33 | 22 41 | 22 27 | 9 38 | | n.a. |
| M12 | 21 8 | 24 50 | 1 4 | 18 30 | 4 2 | 21 1 | 0 23 | 6 51 | 2 18 | 14 0 | 1 31 | 6 13 | 2 41 | 22 53 | 0 14 | 7 19 | 2 7 | 35 46 | 12 33 | 22 42 | 22 28 | 9 41 | | n.a. |
| T 13 | 21 19 | 22 26 | 0n 6 | 18 16 | 4 11 | 21 19 | 0 25 | 6 56 | 2 20 | 13 58 | 1 31 | 6 13 | 2 41 | 22 54 | 0 14 | 7 19 | 2 7 | 35 46 | 12 33 | 22 42 | 22 28 | 9 43 | | n.a. |
| W14 | 21 30 | 18 49 | 1 17 | 18 3 | 4 18 | 21 36 | 0 27 | 7 2 | 2 21 | 13 56 | 1 30 | 6 12 | 2 41 | 22 54 | 0 14 | 7 19 | 2 7 | 35 45 | 12 33 | 22 42 | 22 29 | 9 46 | | n.a. |
| T 15 | 21 40 | 14 10 | 2 25 | 17 50 | 4 24 | 21 53 | 0 29 | 7 8 | 2 23 | 13 54 | 1 30 | 6 12 | 2 40 | 22 55 | 0 14 | 7 19 | 2 7 | 35 45 | 12 32 | 22 41 | 22 29 | 9 49 | | n.a. |
| F 16 | 21 50 | 8 43 | 3 25 | 17 39 | 4 28 | 22 9 | 0 32 | 7 14 | 2 25 | 13 51 | 1 30 | 6 11 | 2 40 | 22 55 | 0 14 | 7 19 | 2 7 | 35 44 | 12 32 | 22 41 | 22 30 | 9 52 | | n.a. |
| S 17 | 22 0 | 2 45 | 4 16 | 17 29 | 4 31 | 22 24 | 0 34 | 7 20 | 2 26 | 13 49 | 1 30 | 6 11 | 2 40 | 22 56 | 0 14 | 7 18 | 2 7 | 35 44 | 12 32 | 22 41 | 22 30 | 9 55 | | n.a. |
| S 18 | 22 10 | 3n27 | 4 51 | 17 21 | 4 31 | 22 39 | 0 36 | 7 27 | 2 27 | 13 46 | 1 29 | 6 11 | 2 39 | 22 56 | 0 14 | 7 18 | 2 7 | 35 44 | 12 32 | 22 41 | 22 31 | 9 57 | | n.a. |
| M19 | 22 19 | 9 34 | 5 9 | 17 15 | 4 30 | 22 53 | 0 38 | 7 33 | 2 29 | 13 44 | 1 29 | 6 10 | 2 39 | 22 57 | 0 14 | 7 18 | 2 7 | 35 43 | 12 32 | 22 42 | 22 31 | 10 0 | | n.a. |
| T 20 | 22 27 | 15 14 | 5 7 | 17 11 | 4 27 | 23 7 | 0 40 | 7 41 | 2 30 | 13 41 | 1 29 | 6 9 | 2 39 | 22 57 | 0 14 | 7 18 | 2 6 | 35 43 | 12 32 | 22 42 | 22 32 | 10 3 | | n.a. |
| W21 | 22 36 | 20 3 | 4 44 | 17 9 | 4 23 | 23 19 | 0 42 | 7 48 | 2 31 | 13 38 | 1 28 | 6 9 | 2 39 | 22 58 | 0 14 | 7 18 | 2 6 | 35 43 | 12 31 | 22 43 | 22 32 | 10 6 | | n.a. |
| T 22 | 22 43 | 23 36 | 4 4 | 17 9 | 4 17 | 23 31 | 0 44 | 7 55 | 2 32 | 13 36 | 1 28 | 6 8 | 2 38 | 22 59 | 0 14 | 7 18 | 2 6 | 35 42 | 12 31 | 22 44 | 22 32 | 10 8 | | n.a. |
| F 23 | 22 51 | 25 34 | 3 8 | 17 11 | 4 9 | 23 43 | 0 46 | 8 3 | 2 33 | 13 33 | 1 28 | 6 8 | 2 38 | 22 59 | 0 14 | 7 18 | 2 6 | 35 42 | 12 31 | 22 44 | 22 33 | 10 11 | | n.a. |
| S 24 | 22 58 | 25 50 | 2 1 | 17 16 | 4 0 | 23 53 | 0 48 | 8 11 | 2 35 | 13 30 | 1 28 | 6 7 | 2 38 | 23 0 | 0 14 | 7 18 | 2 6 | 35 42 | 12 31 | 22 45 | 22 33 | 10 14 | | n.a. |
| S 25 | 23 5 | 24 27 | 0 48 | 17 23 | 3 50 | 24 3 | 0 50 | 8 19 | 2 36 | 13 27 | 1 27 | 6 6 | 2 38 | 23 0 | 0 14 | 7 17 | 2 6 | 35 41 | 12 31 | 22 45 | 22 34 | 10 17 | | n.a. |
| M26 | 23 11 | 21 40 | 0s25 | 17 32 | 3 39 | 24 13 | 0 52 | 8 27 | 2 37 | 13 24 | 1 27 | 6 5 | 2 37 | 23 1 | 0 14 | 7 17 | 2 6 | 35 41 | 12 31 | 22 45 | 22 34 | 10 19 | | n.a. |
| T 27 | 23 17 | 17 49 | 1 35 | 17 43 | 3 26 | 24 21 | 0 54 | 8 36 | 2 38 | 13 21 | 1 27 | 6 5 | 2 37 | 23 1 | 0 14 | 7 17 | 2 6 | 35 41 | 12 31 | 22 45 | 22 35 | 10 22 | | n.a. |
| W28 | 23 22 | 13 16 | 2 39 | 17 57 | 3 13 | 24 29 | 0 56 | 8 44 | 2 38 | 13 18 | 1 27 | 6 4 | 2 37 | 23 2 | 0 14 | 7 17 | 2 6 | 35 41 | 12 31 | 22 45 | 22 35 | 10 25 | | n.a. |
| T 29 | 23 27 | 8 16 | 3 33 | 18 13 | 2 59 | 24 36 | 0 58 | 8 53 | 2 39 | 13 15 | 1 26 | 6 3 | 2 36 | 23 2 | 0 14 | 7 17 | 2 6 | 35 40 | 12 31 | 22 45 | 22 36 | 10 28 | | n.a. |
| F 30 | 23n32 | 3n 4 | 4s17 | 18n30 | 2s44 | 24n42 | 0n59 | 9s 2 | 2s40 | 13n12 | 1n26 | 6n 2 | 2n36 | 23n 2 | 0n14 | 7n16 | 2n 6 | 35n40 | 12n31 | 22s44 | 22s36 | 10s30 | | n.a. |

Julian Day Number = 993631.5, Delta T = 12h59m31s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'41, Lahiri = -31°25'41 Julian Calendar 1 June 1993 BCE == Greg. Calendar 15 May 1993 BCE

The year -1992 astronomical counting style corresponds to year 1993 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## JULY 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 29 46 | 20♊55'42 | 24♍28 | 3♊26 | 23♊55 | 16♎46 | 29♌41 | 21♍ 0 | 12♊56 | 16♍43 | 13♋28 | 17°R36 | 18♑34 | 14♎32 | n.a. | S 1 |
| S 2 | 17 33 42 | 21°53'24 | 6♎22 | 3°57 | 25° 9 | 17° 8 | 29°49 | 21° 2 | 13° 0 | 16°44 | 13°30 | 17♑35 | 18°31 | 14°39 | n.a. | S 2 |
| M 3 | 17 37 39 | 22°51'06 | 18°15 | 4°36 | 26°24 | 17°31 | 29°58 | 21° 4 | 13° 4 | 16°44 | 13°32 | 17°33 | 18°28 | 14°45 | n.a. | M 3 |
| T 4 | 17 41 36 | 23°48'50 | 0♏11 | 5°21 | 27°38 | 17°54 | 0♍ 6 | 21° 6 | 13° 7 | 16°45 | 13°34 | 17°30 | 18°25 | 14°52 | n.a. | T 4 |
| W 5 | 17 45 32 | 24°46'35 | 12°15 | 6°14 | 28°52 | 18°18 | 0°15 | 21° 8 | 13°11 | 16°46 | 13°36 | 17°26 | 18°21 | 14°59 | n.a. | W 5 |
| T 6 | 17 49 29 | 25°44'22 | 24°29 | 7°13 | 0♋ 7 | 18°42 | 0°24 | 21°11 | 13°15 | 16°46 | 13°38 | 17°23 | 18°18 | 15° 6 | n.a. | T 6 |
| F 7 | 17 53 25 | 26°42'11 | 6♐55 | 8°18 | 1°21 | 19° 6 | 0°32 | 21°13 | 13°18 | 16°47 | 13°40 | 17°20 | 18°15 | 15°12 | n.a. | F 7 |
| S 8 | 17 57 22 | 27°40'01 | 19°34 | 9°30 | 2°35 | 19°31 | 0°41 | 21°16 | 13°22 | 16°48 | 13°42 | 17°17 | 18°12 | 15°19 | n.a. | S 8 |
| S 9 | 18 1 18 | 28°37'52 | 2♑28 | 10°48 | 3°50 | 19°57 | 0°50 | 21°18 | 13°26 | 16°49 | 13°44 | 17°16 | 18° 9 | 15°26 | n.a. | S 9 |
| M10 | 18 5 15 | 29°35'46 | 15°36 | 12°11 | 5° 4 | 20°23 | 1° 0 | 21°21 | 13°29 | 16°49 | 13°46 | 17°D15 | 18° 5 | 15°33 | n.a. | M10 |
| T 11 | 18 9 11 | 0♋33'41 | 28°57 | 13°39 | 6°19 | 20°49 | 1° 9 | 21°23 | 13°33 | 16°50 | 13°48 | 17°15 | 18° 2 | 15°39 | n.a. | T 11 |
| W12 | 18 13 8 | 1°31'38 | 12♒31 | 15°13 | 7°33 | 21°16 | 1°18 | 21°26 | 13°37 | 16°51 | 13°50 | 17°16 | 17°59 | 15°46 | n.a. | W12 |
| T 13 | 18 17 5 | 2°29'38 | 26°16 | 16°50 | 8°48 | 21°43 | 1°28 | 21°29 | 13°40 | 16°52 | 13°52 | 17°17 | 17°56 | 15°53 | n.a. | T 13 |
| F 14 | 18 21 1 | 3°27'39 | 10♓11 | 18°31 | 10° 2 | 22°10 | 1°37 | 21°32 | 13°44 | 16°53 | 13°54 | 17°18 | 17°53 | 15°59 | n.a. | F 14 |
| S 15 | 18 24 58 | 4°25'42 | 24°15 | 20°16 | 11°17 | 22°38 | 1°47 | 21°35 | 13°47 | 16°54 | 13°56 | 17°19 | 17°50 | 16° 6 | n.a. | S 15 |
| S 16 | 18 28 54 | 5°23'47 | 8♈26 | 22° 3 | 12°31 | 23° 7 | 1°57 | 21°38 | 13°51 | 16°55 | 13°58 | 17°R19 | 17°46 | 16°13 | n.a. | S 16 |
| M17 | 18 32 51 | 6°21'55 | 22°42 | 23°53 | 13°46 | 23°35 | 2° 6 | 21°41 | 13°54 | 16°56 | 14° 0 | 17°19 | 17°43 | 16°20 | n.a. | M17 |
| T 18 | 18 36 47 | 7°20'05 | 7♉ 0 | 25°45 | 15° 0 | 24° 5 | 2°16 | 21°45 | 13°58 | 16°57 | 14° 2 | 17°18 | 17°40 | 16°26 | n.a. | T 18 |
| W19 | 18 40 44 | 8°18'17 | 21°16 | 27°39 | 16°15 | 24°34 | 2°27 | 21°48 | 14° 1 | 16°58 | 14° 4 | 17°17 | 17°37 | 16°33 | n.a. | W19 |
| T 20 | 18 44 40 | 9°16'31 | 5♊28 | 29°33 | 17°30 | 25° 4 | 2°37 | 21°51 | 14° 5 | 16°59 | 14° 6 | 17°16 | 17°34 | 16°40 | n.a. | T 20 |
| F 21 | 18 48 37 | 10°14'48 | 19°30 | 1♋29 | 18°44 | 25°34 | 2°47 | 21°55 | 14° 8 | 17° 0 | 14° 8 | 17°15 | 17°31 | 16°47 | n.a. | F 21 |
| S 22 | 18 52 34 | 11°13'06 | 3♋20 | 3°25 | 19°59 | 26° 5 | 2°57 | 21°59 | 14°12 | 17° 1 | 14°10 | 17°15 | 17°27 | 16°53 | n.a. | S 22 |
| S 23 | 18 56 30 | 12°11'27 | 16°54 | 5°21 | 21°13 | 26°36 | 3° 8 | 22° 2 | 14°15 | 17° 2 | 14°12 | 17°D15 | 17°24 | 17° 0 | n.a. | S 23 |
| M24 | 19 0 27 | 13° 9'50 | 0♌11 | 7°18 | 22°28 | 27° 7 | 3°18 | 22° 6 | 14°18 | 17° 3 | 14°14 | 17°15 | 17°21 | 17° 7 | n.a. | M24 |
| T 25 | 19 4 23 | 14° 8'14 | 13° 9 | 9°14 | 23°43 | 27°39 | 3°29 | 22°10 | 14°22 | 17° 5 | 14°16 | 17°15 | 17°18 | 17°13 | n.a. | T 25 |
| W26 | 19 8 20 | 15° 6'41 | 25°49 | 11°10 | 24°57 | 28°11 | 3°40 | 22°14 | 14°25 | 17° 6 | 14°19 | 17°15 | 17°15 | 17°20 | n.a. | W26 |
| T 27 | 19 12 16 | 16° 5'09 | 8♍12 | 13° 5 | 26°12 | 28°43 | 3°50 | 22°18 | 14°28 | 17° 7 | 14°21 | 17°15 | 17°11 | 17°27 | n.a. | T 27 |
| F 28 | 19 16 13 | 17° 3'39 | 20°22 | 14°59 | 27°27 | 29°15 | 4° 1 | 22°22 | 14°32 | 17° 9 | 14°23 | 17°R15 | 17° 8 | 17°34 | n.a. | F 28 |
| S 29 | 19 20 9 | 18° 2'10 | 2♎23 | 16°53 | 28°41 | 29°48 | 4°12 | 22°26 | 14°35 | 17°10 | 14°25 | 17°15 | 17° 5 | 17°40 | n.a. | S 29 |
| S 30 | 19 24 6 | 19° 0'44 | 14°17 | 18°46 | 29°56 | 0♏21 | 4°23 | 22°30 | 14°38 | 17°11 | 14°27 | 17°D15 | 17° 2 | 17°47 | n.a. | S 30 |
| M31 | 19 28 2 | 19♋59'20 | 26♎10 | 20♋38 | 1♌11 | 0♏55 | 4♍34 | 22♍35 | 14♊41 | 17♍13 | 14♋29 | 17♑15 | 16♑59 | 17♎54 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n36 | 2s 9 | 4s49 | 18n50 | 2s29 | 24n48 | 1n 1 | 9s11 | 2s41 | 13n 9 | 1n26 | 6n 1 | 2n36 | 23n 3 | 0n14 | 7n16 | 2n 6 | 35n40 | 12n30 | 22s44 | 22s36 | 10s33 | | n.a. |
| S 2 | 23 40 | 7 16 | 5 8 | 19 11 | 2 13 | 24 52 | 1 3 | 9 21 | 2 42 | 13 6 | 1 26 | 6 0 | 2 36 | 23 3 | 0 14 | 7 16 | 2 6 | 35 39 | 12 30 | 22 45 | 22 37 | 10 36 | | n.a. |
| M 3 | 23 44 | 12 6 | 5 14 | 19 34 | 1 58 | 24 57 | 1 4 | 9 30 | 2 42 | 13 2 | 1 25 | 5 59 | 2 35 | 23 4 | 0 15 | 7 15 | 2 6 | 35 39 | 12 30 | 22 45 | 22 37 | 10 39 | | n.a. |
| T 4 | 23 47 | 16 31 | 5 6 | 19 57 | 1 42 | 25 0 | 1 6 | 9 40 | 2 43 | 12 59 | 1 25 | 5 58 | 2 35 | 23 4 | 0 15 | 7 15 | 2 6 | 35 39 | 12 30 | 22 45 | 22 38 | 10 41 | | n.a. |
| W 5 | 23 49 | 20 20 | 4 45 | 20 22 | 1 26 | 25 2 | 1 7 | 9 50 | 2 44 | 12 56 | 1 25 | 5 57 | 2 35 | 23 5 | 0 15 | 7 15 | 2 5 | 35 39 | 12 30 | 22 46 | 22 38 | 10 44 | | n.a. |
| T 6 | 23 51 | 23 19 | 4 11 | 20 48 | 1 11 | 25 4 | 1 9 | 9 59 | 2 44 | 12 53 | 1 25 | 5 56 | 2 35 | 23 5 | 0 15 | 7 15 | 2 5 | 35 38 | 12 30 | 22 46 | 22 39 | 10 47 | | n.a. |
| F 7 | 23 53 | 25 15 | 3 24 | 21 13 | 0 55 | 25 5 | 1 10 | 10 10 | 2 45 | 12 49 | 1 25 | 5 54 | 2 34 | 23 6 | 0 15 | 7 14 | 2 5 | 35 38 | 12 30 | 22 47 | 22 39 | 10 49 | | n.a. |
| S 8 | 23 54 | 25 56 | 2 27 | 21 39 | 0 40 | 25 5 | 1 11 | 10 20 | 2 45 | 12 46 | 1 24 | 5 53 | 2 34 | 23 6 | 0 15 | 7 14 | 2 5 | 35 38 | 12 30 | 22 47 | 22 40 | 10 52 | | n.a. |
| S 9 | 23 55 | 25 15 | 1 21 | 22 5 | 0 26 | 25 5 | 1 13 | 10 30 | 2 46 | 12 42 | 1 24 | 5 52 | 2 34 | 23 7 | 0 15 | 7 13 | 2 5 | 35 37 | 12 30 | 22 47 | 22 40 | 10 55 | | n.a. |
| M10 | 23 55 | 23 9 | 0 9 | 22 31 | 0 12 | 25 3 | 1 14 | 10 40 | 2 46 | 12 39 | 1 24 | 5 51 | 2 34 | 23 7 | 0 15 | 7 13 | 2 5 | 35 37 | 12 30 | 22 47 | 22 40 | 10 58 | | n.a. |
| T 11 | 23 55 | 19 44 | 1n 4 | 22 56 | 0n 2 | 25 1 | 1 15 | 10 51 | 2 47 | 12 35 | 1 24 | 5 49 | 2 33 | 23 8 | 0 15 | 7 13 | 2 5 | 35 37 | 12 30 | 22 47 | 22 41 | 11 0 | | n.a. |
| W12 | 23 55 | 15 14 | 2 15 | 23 19 | 0 14 | 24 58 | 1 16 | 11 2 | 2 47 | 12 31 | 1 23 | 5 48 | 2 33 | 23 8 | 0 15 | 7 12 | 2 5 | 35 37 | 12 30 | 22 47 | 22 41 | 11 3 | | n.a. |
| T 13 | 23 54 | 9 54 | 3 19 | 23 42 | 0 26 | 24 55 | 1 17 | 11 12 | 2 48 | 12 28 | 1 23 | 5 47 | 2 33 | 23 9 | 0 15 | 7 12 | 2 5 | 35 36 | 12 30 | 22 47 | 22 42 | 11 6 | | n.a. |
| F 14 | 23 53 | 4 1 | 4 12 | 24 2 | 0 38 | 24 50 | 1 18 | 11 23 | 2 48 | 12 24 | 1 23 | 5 45 | 2 33 | 23 9 | 0 15 | 7 11 | 2 5 | 35 36 | 12 30 | 22 47 | 22 42 | 11 8 | | n.a. |
| S 15 | 23 51 | 2n 7 | 4 51 | 24 21 | 0 48 | 24 45 | 1 19 | 11 34 | 2 48 | 12 20 | 1 23 | 5 44 | 2 32 | 23 10 | 0 15 | 7 11 | 2 5 | 35 36 | 12 30 | 22 47 | 22 43 | 11 11 | | n.a. |
| S 16 | 23 49 | 8 10 | 5 12 | 24 38 | 0 58 | 24 39 | 1 20 | 11 45 | 2 48 | 12 17 | 1 23 | 5 42 | 2 32 | 23 10 | 0 15 | 7 11 | 2 5 | 35 36 | 12 30 | 22 47 | 22 43 | 11 14 | | n.a. |
| M17 | 23 46 | 13 51 | 5 15 | 24 53 | 1 6 | 24 32 | 1 21 | 11 57 | 2 49 | 12 13 | 1 22 | 5 41 | 2 32 | 23 10 | 0 15 | 7 10 | 2 5 | 35 36 | 12 30 | 22 47 | 22 43 | 11 16 | | n.a. |
| T 18 | 23 43 | 18 48 | 4 58 | 25 6 | 1 14 | 24 25 | 1 22 | 12 8 | 2 49 | 12 9 | 1 22 | 5 39 | 2 32 | 23 11 | 0 15 | 7 10 | 2 5 | 35 35 | 12 30 | 22 47 | 22 44 | 11 19 | | n.a. |
| W19 | 23 39 | 22 39 | 4 22 | 25 15 | 1 21 | 24 16 | 1 22 | 12 19 | 2 49 | 12 5 | 1 22 | 5 37 | 2 31 | 23 11 | 0 15 | 7 9 | 2 5 | 35 35 | 12 30 | 22 47 | 22 44 | 11 22 | | n.a. |
| T 20 | 23 35 | 25 6 | 3 31 | 25 23 | 1 27 | 24 8 | 1 23 | 12 31 | 2 49 | 12 1 | 1 22 | 5 36 | 2 31 | 23 12 | 0 15 | 7 9 | 2 4 | 35 35 | 12 30 | 22 47 | 22 45 | 11 24 | | n.a. |
| F 21 | 23 31 | 25 57 | 2 28 | 25 28 | 1 33 | 23 58 | 1 24 | 12 42 | 2 49 | 11 57 | 1 22 | 5 34 | 2 31 | 23 12 | 0 15 | 7 8 | 2 4 | 35 35 | 12 30 | 22 47 | 22 45 | 11 27 | | n.a. |
| S 22 | 23 26 | 25 9 | 1 16 | 25 30 | 1 37 | 23 47 | 1 24 | 12 54 | 2 49 | 11 53 | 1 21 | 5 33 | 2 31 | 23 13 | 0 15 | 7 8 | 2 4 | 35 34 | 12 30 | 22 47 | 22 46 | 11 30 | | n.a. |
| S 23 | 23 21 | 22 52 | 0 2 | 25 30 | 1 41 | 23 36 | 1 25 | 13 5 | 2 50 | 11 49 | 1 21 | 5 31 | 2 30 | 23 13 | 0 15 | 7 7 | 2 4 | 35 34 | 12 30 | 22 47 | 22 46 | 11 32 | | n.a. |
| M24 | 23 15 | 19 22 | 1s11 | 25 27 | 1 44 | 23 24 | 1 25 | 13 17 | 2 50 | 11 45 | 1 21 | 5 29 | 2 30 | 23 13 | 0 15 | 7 7 | 2 4 | 35 34 | 12 30 | 22 47 | 22 46 | 11 35 | | n.a. |
| T 25 | 23 9 | 15 0 | 2 19 | 25 22 | 1 46 | 23 12 | 1 25 | 13 28 | 2 50 | 11 41 | 1 21 | 5 27 | 2 30 | 23 14 | 0 15 | 7 6 | 2 4 | 35 34 | 12 30 | 22 47 | 22 47 | 11 38 | | n.a. |
| W26 | 23 3 | 10 4 | 3 18 | 25 14 | 1 48 | 22 58 | 1 26 | 13 40 | 2 50 | 11 37 | 1 21 | 5 26 | 2 30 | 23 14 | 0 15 | 7 6 | 2 4 | 35 34 | 12 30 | 22 47 | 22 47 | 11 40 | | n.a. |
| T 27 | 22 56 | 4 52 | 4 6 | 25 4 | 1 48 | 22 44 | 1 26 | 13 52 | 2 50 | 11 33 | 1 21 | 5 24 | 2 29 | 23 15 | 0 15 | 7 5 | 2 4 | 35 34 | 12 31 | 22 47 | 22 48 | 11 43 | | n.a. |
| F 28 | 22 49 | 0s26 | 4 43 | 24 52 | 1 49 | 22 30 | 1 26 | 14 4 | 2 50 | 11 29 | 1 20 | 5 22 | 2 29 | 23 15 | 0 15 | 7 4 | 2 4 | 35 33 | 12 31 | 22 47 | 22 48 | 11 46 | | n.a. |
| S 29 | 22 41 | 5 38 | 5 6 | 24 37 | 1 48 | 22 14 | 1 26 | 14 16 | 2 50 | 11 24 | 1 20 | 5 20 | 2 29 | 23 16 | 0 15 | 7 4 | 2 4 | 35 33 | 12 31 | 22 47 | 22 48 | 11 48 | | n.a. |
| S 30 | 22 33 | 10 35 | 5 16 | 24 21 | 1 47 | 21 58 | 1 26 | 14 28 | 2 49 | 11 20 | 1 20 | 5 18 | 2 29 | 23 16 | 0 15 | 7 3 | 2 4 | 35 33 | 12 31 | 22 47 | 22 49 | 11 51 | | n.a. |
| M31 | 22n24 | 15s 9 | 5s13 | 24n 3 | 1n46 | 21n42 | 1n26 | 14s40 | 2s49 | 11n16 | 1n20 | 5n16 | 2n29 | 23n16 | 0n15 | 7n 3 | 2n 4 | 35n33 | 12n31 | 22s47 | 22s49 | 11s54 | | n.a. |

Julian Day Number = 993661.5, Delta T = 12h59m29s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'37, Lahiri = -31°25'37 Julian Calendar 1 July 1993 BCE == Greg. Calendar 14 June 1993 BCE

The year -1992 astronomical counting style corresponds to year 1993 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## AUGUST 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 31 59 | 20♋57'57 | 8♏ 7 | 22♋30 | 2♌26 | 1♏28 | 4♍45 | 22♍39 | 14♊45 | 17♍14 | 14♋31 | 17♑16 | 16♑56 | 18♎ 1 | n.a. | T 1 |
| W 2 | 19 35 56 | 21°56'36 | 20°12 | 24°20 | 3°40 | 2° 2 | 4°57 | 22°44 | 14°48 | 17°16 | 14°33 | 17°16 | 16°52 | 18° 7 | n.a. | W 2 |
| T 3 | 19 39 52 | 22°55'18 | 2♐28 | 26° 9 | 4°55 | 2°37 | 5° 8 | 22°48 | 14°51 | 17°17 | 14°35 | 17°17 | 16°49 | 18°14 | n.a. | T 3 |
| F 4 | 19 43 49 | 23°54'01 | 15° 0 | 27°57 | 6°10 | 3°11 | 5°19 | 22°53 | 14°54 | 17°19 | 14°37 | 17°17 | 16°46 | 18°21 | n.a. | F 4 |
| S 5 | 19 47 45 | 24°52'46 | 27°51 | 29°44 | 7°24 | 3°46 | 5°31 | 22°57 | 14°57 | 17°20 | 14°39 | 17°18 | 16°43 | 18°27 | n.a. | S 5 |
| S 6 | 19 51 42 | 25°51'34 | 11♑ 0 | 1♌30 | 8°39 | 4°21 | 5°42 | 23° 2 | 15° 0 | 17°22 | 14°41 | 17°R18 | 16°40 | 18°34 | n.a. | S 6 |
| M 7 | 19 55 38 | 26°50'23 | 24°29 | 3°16 | 9°54 | 4°56 | 5°54 | 23° 7 | 15° 3 | 17°23 | 14°43 | 17°18 | 16°37 | 18°41 | n.a. | M 7 |
| T 8 | 19 59 35 | 27°49'15 | 8♒16 | 5° 0 | 11° 9 | 5°31 | 6° 6 | 23°12 | 15° 6 | 17°25 | 14°45 | 17°18 | 16°33 | 18°48 | n.a. | T 8 |
| W 9 | 20 3 31 | 28°48'08 | 22°17 | 6°43 | 12°23 | 6° 7 | 6°17 | 23°17 | 15° 9 | 17°26 | 14°47 | 17°17 | 16°30 | 18°54 | n.a. | W 9 |
| T 10 | 20 7 28 | 29°47'04 | 6♓30 | 8°25 | 13°38 | 6°43 | 6°29 | 23°22 | 15°12 | 17°28 | 14°49 | 17°15 | 16°27 | 19° 1 | n.a. | T 10 |
| F 11 | 20 11 25 | 0♌46'03 | 20°49 | 10° 6 | 14°53 | 7°19 | 6°41 | 23°27 | 15°15 | 17°30 | 14°51 | 17°13 | 16°24 | 19° 8 | n.a. | F 11 |
| S 12 | 20 15 21 | 1°45'03 | 5♈11 | 11°47 | 16° 8 | 7°55 | 6°53 | 23°32 | 15°18 | 17°31 | 14°53 | 17°12 | 16°21 | 19°15 | n.a. | S 12 |
| S 13 | 20 19 18 | 2°44'07 | 19°30 | 13°26 | 17°22 | 8°32 | 7° 5 | 23°37 | 15°20 | 17°33 | 14°55 | 17°11 | 16°17 | 19°21 | n.a. | S 13 |
| M14 | 20 23 14 | 3°43'13 | 3♉44 | 15° 5 | 18°37 | 9° 9 | 7°17 | 23°42 | 15°23 | 17°35 | 14°57 | 17°D10 | 16°14 | 19°28 | n.a. | M14 |
| T 15 | 20 27 11 | 4°42'21 | 17°50 | 16°42 | 19°52 | 9°46 | 7°29 | 23°48 | 15°26 | 17°37 | 14°59 | 17°11 | 16°11 | 19°35 | n.a. | T 15 |
| W16 | 20 31 7 | 5°41'32 | 1♊47 | 18°19 | 21° 7 | 10°23 | 7°41 | 23°53 | 15°29 | 17°38 | 15° 1 | 17°12 | 16° 8 | 19°41 | n.a. | W16 |
| T 17 | 20 35 4 | 6°40'46 | 15°34 | 19°55 | 22°21 | 11° 0 | 7°54 | 23°58 | 15°31 | 17°40 | 15° 3 | 17°13 | 16° 5 | 19°48 | n.a. | T 17 |
| F 18 | 20 39 0 | 7°40'02 | 29° 9 | 21°30 | 23°36 | 11°37 | 8° 6 | 24° 4 | 15°34 | 17°42 | 15° 5 | 17°15 | 16° 2 | 19°55 | n.a. | F 18 |
| S 19 | 20 42 57 | 8°39'20 | 12♋32 | 23° 4 | 24°51 | 12°15 | 8°18 | 24° 9 | 15°37 | 17°44 | 15° 7 | 17°R15 | 15°58 | 20° 2 | n.a. | S 19 |
| S 20 | 20 46 53 | 9°38'41 | 25°43 | 24°37 | 26° 6 | 12°53 | 8°31 | 24°15 | 15°39 | 17°46 | 15° 9 | 17°15 | 15°55 | 20° 8 | n.a. | S 20 |
| M21 | 20 50 50 | 10°38'04 | 8♌40 | 26°10 | 27°20 | 13°31 | 8°43 | 24°21 | 15°42 | 17°47 | 15°11 | 17°14 | 15°52 | 20°15 | n.a. | M21 |
| T 22 | 20 54 47 | 11°37'30 | 21°24 | 27°41 | 28°35 | 14° 9 | 8°55 | 24°26 | 15°44 | 17°49 | 15°13 | 17°11 | 15°49 | 20°22 | n.a. | T 22 |
| W23 | 20 58 43 | 12°36'57 | 3♍55 | 29°12 | 29°50 | 14°48 | 9° 8 | 24°32 | 15°47 | 17°51 | 15°15 | 17° 7 | 15°46 | 20°29 | n.a. | W23 |
| T 24 | 21 2 40 | 13°36'26 | 16°13 | 0♍42 | 1♍ 5 | 15°26 | 9°21 | 24°38 | 15°49 | 17°53 | 15°17 | 17° 3 | 15°42 | 20°35 | n.a. | T 24 |
| F 25 | 21 6 36 | 14°35'58 | 28°21 | 2°12 | 2°19 | 16° 5 | 9°33 | 24°44 | 15°51 | 17°55 | 15°19 | 16°58 | 15°39 | 20°42 | n.a. | F 25 |
| S 26 | 21 10 33 | 15°35'32 | 10♎20 | 3°40 | 3°34 | 16°44 | 9°46 | 24°50 | 15°54 | 17°57 | 15°21 | 16°54 | 15°36 | 20°49 | n.a. | S 26 |
| S 27 | 21 14 29 | 16°35'07 | 22°13 | 5° 8 | 4°49 | 17°23 | 9°59 | 24°56 | 15°56 | 17°59 | 15°22 | 16°50 | 15°33 | 20°55 | n.a. | S 27 |
| M28 | 21 18 26 | 17°34'45 | 4♏ 5 | 6°34 | 6° 4 | 18° 2 | 10°11 | 25° 2 | 15°58 | 18° 1 | 15°24 | 16°48 | 15°30 | 21° 2 | n.a. | M28 |
| T 29 | 21 22 22 | 18°34'24 | 15°59 | 8° 0 | 7°18 | 18°41 | 10°24 | 25° 8 | 16° 0 | 18° 3 | 15°26 | 16°D47 | 15°27 | 21° 9 | n.a. | T 29 |
| W30 | 21 26 19 | 19°34'06 | 28° 1 | 9°25 | 8°33 | 19°21 | 10°37 | 25°14 | 16° 2 | 18° 5 | 15°28 | 16°47 | 15°23 | 21°16 | n.a. | W30 |
| T 31 | 21 30 15 | 20♌33'49 | 10♐15 | 10♍50 | 9♍48 | 20♏ 0 | 10♍50 | 25♍20 | 16♊ 4 | 18♍ 7 | 15♋30 | 16♑48 | 15♑20 | 21♎22 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 22n15 | 19s 9 | 4s56 | 23n43 | 1n44 | 21n24 | 1n26 | 14s52 | 2s49 | 11n11 | 1n20 | 5n14 | 2n28 | 23n17 | 0n15 | 7n 2 | 2n 4 | 35n33 | 12n31 | 22s47 | 22s50 | 11s56 | | | n.a. |
| W 2 | 22 6 | 22 25 | 4 26 | 23 21 | 1 41 | 21 7 | 1 26 | 15 4 | 2 49 | 11 7 | 1 20 | 5 12 | 2 28 | 23 17 | 0 15 | 7 1 | 2 4 | 35 33 | 12 31 | 22 47 | 22 50 | 11 59 | | | n.a. |
| T 3 | 21 56 | 24 43 | 3 44 | 22 58 | 1 39 | 20 48 | 1 25 | 15 16 | 2 49 | 11 3 | 1 19 | 5 10 | 2 28 | 23 17 | 0 15 | 7 1 | 2 4 | 35 32 | 12 31 | 22 47 | 22 50 | 12 1 | | | n.a. |
| F 4 | 21 46 | 25 52 | 2 49 | 22 33 | 1 35 | 20 29 | 1 25 | 15 27 | 2 49 | 10 58 | 1 19 | 5 8 | 2 28 | 23 18 | 0 15 | 7 0 | 2 4 | 35 32 | 12 31 | 22 47 | 22 51 | 12 4 | | | n.a. |
| S 5 | 21 35 | 25 40 | 1 46 | 22 7 | 1 32 | 20 9 | 1 25 | 15 39 | 2 48 | 10 54 | 1 19 | 5 6 | 2 28 | 23 18 | 0 15 | 6 59 | 2 4 | 35 32 | 12 31 | 22 47 | 22 51 | 12 7 | | | n.a. |
| S 6 | 21 24 | 24 2 | 0 35 | 21 39 | 1 28 | 19 49 | 1 24 | 15 51 | 2 48 | 10 49 | 1 19 | 5 4 | 2 27 | 23 19 | 0 15 | 6 59 | 2 4 | 35 32 | 12 32 | 22 47 | 22 52 | 12 9 | | | n.a. |
| M 7 | 21 13 | 21 0 | 0n40 | 21 10 | 1 23 | 19 28 | 1 24 | 16 3 | 2 48 | 10 45 | 1 19 | 5 2 | 2 27 | 23 19 | 0 15 | 6 58 | 2 3 | 35 32 | 12 32 | 22 47 | 22 52 | 12 12 | | | n.a. |
| T 8 | 21 1 | 16 45 | 1 53 | 20 40 | 1 19 | 19 7 | 1 23 | 16 15 | 2 48 | 10 40 | 1 19 | 5 0 | 2 27 | 23 19 | 0 15 | 6 57 | 2 3 | 35 32 | 12 32 | 22 47 | 22 52 | 12 15 | | | n.a. |
| W 9 | 20 49 | 11 30 | 3 2 | 20 10 | 1 14 | 18 45 | 1 22 | 16 27 | 2 47 | 10 36 | 1 18 | 4 57 | 2 27 | 23 20 | 0 15 | 6 57 | 2 3 | 35 32 | 12 32 | 22 47 | 22 53 | 12 17 | | | n.a. |
| T 10 | 20 36 | 5 36 | 4 0 | 19 38 | 1 9 | 18 22 | 1 22 | 16 39 | 2 47 | 10 31 | 1 18 | 4 55 | 2 27 | 23 20 | 0 15 | 6 56 | 2 3 | 35 32 | 12 32 | 22 47 | 22 53 | 12 20 | | | n.a. |
| F 11 | 20 24 | 0n37 | 4 43 | 19 5 | 1 3 | 17 59 | 1 21 | 16 51 | 2 47 | 10 27 | 1 18 | 4 53 | 2 26 | 23 20 | 0 15 | 6 55 | 2 3 | 35 32 | 12 32 | 22 47 | 22 54 | 12 22 | | | n.a. |
| S 12 | 20 10 | 6 48 | 5 9 | 18 31 | 0 58 | 17 36 | 1 20 | 17 3 | 2 46 | 10 22 | 1 18 | 4 51 | 2 26 | 23 21 | 0 15 | 6 55 | 2 3 | 35 32 | 12 33 | 22 48 | 22 54 | 12 25 | | | n.a. |
| S 13 | 19 57 | 12 37 | 5 15 | 17 57 | 0 52 | 17 12 | 1 19 | 17 15 | 2 46 | 10 17 | 1 18 | 4 49 | 2 26 | 23 21 | 0 15 | 6 54 | 2 3 | 35 31 | 12 33 | 22 48 | 22 54 | 12 27 | | | n.a. |
| M14 | 19 43 | 17 44 | 5 3 | 17 22 | 0 46 | 16 47 | 1 18 | 17 27 | 2 46 | 10 13 | 1 18 | 4 46 | 2 26 | 23 21 | 0 15 | 6 53 | 2 3 | 35 31 | 12 33 | 22 48 | 22 55 | 12 30 | | | n.a. |
| T 15 | 19 28 | 21 50 | 4 32 | 16 46 | 0 40 | 16 22 | 1 17 | 17 38 | 2 45 | 10 8 | 1 18 | 4 44 | 2 26 | 23 22 | 0 15 | 6 52 | 2 3 | 35 31 | 12 33 | 22 48 | 22 55 | 12 33 | | | n.a. |
| W16 | 19 14 | 24 36 | 3 45 | 16 10 | 0 33 | 15 57 | 1 16 | 17 50 | 2 45 | 10 3 | 1 18 | 4 42 | 2 25 | 23 22 | 0 15 | 6 52 | 2 3 | 35 31 | 12 33 | 22 48 | 22 56 | 12 35 | | | n.a. |
| T 17 | 18 59 | 25 52 | 2 46 | 15 34 | 0 27 | 15 31 | 1 15 | 18 2 | 2 44 | 9 58 | 1 17 | 4 39 | 2 25 | 23 22 | 0 15 | 6 51 | 2 3 | 35 31 | 12 34 | 22 47 | 22 56 | 12 38 | | | n.a. |
| F 18 | 18 43 | 25 33 | 1 38 | 14 56 | 0 20 | 15 5 | 1 14 | 18 13 | 2 44 | 9 53 | 1 17 | 4 37 | 2 25 | 23 23 | 0 15 | 6 50 | 2 3 | 35 31 | 12 34 | 22 47 | 22 56 | 12 40 | | | n.a. |
| S 19 | 18 28 | 23 45 | 0 26 | 14 19 | 0 13 | 14 38 | 1 12 | 18 25 | 2 44 | 9 49 | 1 17 | 4 35 | 2 25 | 23 23 | 0 15 | 6 49 | 2 3 | 35 31 | 12 34 | 22 47 | 22 57 | 12 43 | | | n.a. |
| S 20 | 18 12 | 20 40 | 0s46 | 13 41 | 0 6 | 14 11 | 1 11 | 18 36 | 2 43 | 9 44 | 1 17 | 4 32 | 2 25 | 23 23 | 0 15 | 6 49 | 2 3 | 35 31 | 12 34 | 22 47 | 22 57 | 12 45 | | | n.a. |
| M21 | 17 55 | 16 37 | 1 55 | 13 3 | 0s 1 | 13 44 | 1 10 | 18 48 | 2 43 | 9 39 | 1 17 | 4 30 | 2 25 | 23 24 | 0 15 | 6 48 | 2 3 | 35 31 | 12 34 | 22 47 | 22 58 | 12 48 | | | n.a. |
| T 22 | 17 39 | 11 52 | 2 57 | 12 24 | 0 8 | 13 16 | 1 8 | 18 59 | 2 42 | 9 34 | 1 17 | 4 27 | 2 24 | 23 24 | 0 15 | 6 47 | 2 3 | 35 31 | 12 35 | 22 48 | 22 58 | 12 51 | | | n.a. |
| W23 | 17 22 | 6 44 | 3 48 | 11 45 | 0 15 | 12 48 | 1 7 | 19 10 | 2 42 | 9 29 | 1 17 | 4 25 | 2 24 | 23 24 | 0 15 | 6 46 | 2 3 | 35 31 | 12 35 | 22 48 | 22 58 | 12 53 | | | n.a. |
| T 24 | 17 5 | 1 26 | 4 29 | 11 6 | 0 22 | 12 19 | 1 5 | 19 21 | 2 41 | 9 24 | 1 17 | 4 22 | 2 24 | 23 24 | 0 15 | 6 45 | 2 3 | 35 31 | 12 35 | 22 49 | 22 59 | 12 56 | | | n.a. |
| F 25 | 16 47 | 3s51 | 4 56 | 10 27 | 0 29 | 11 50 | 1 3 | 19 32 | 2 41 | 9 19 | 1 16 | 4 20 | 2 24 | 23 25 | 0 15 | 6 45 | 2 3 | 35 31 | 12 35 | 22 49 | 22 59 | 12 58 | | | n.a. |
| S 26 | 16 29 | 8 54 | 5 10 | 9 48 | 0 36 | 11 21 | 1 2 | 19 43 | 2 40 | 9 14 | 1 16 | 4 17 | 2 24 | 23 25 | 0 15 | 6 44 | 2 3 | 35 31 | 12 36 | 22 50 | 22 59 | 13 1 | | | n.a. |
| S 27 | 16 11 | 13 37 | 5 11 | 9 9 | 0 43 | 10 52 | 1 0 | 19 54 | 2 39 | 9 9 | 1 16 | 4 15 | 2 24 | 23 25 | 0 15 | 6 43 | 2 3 | 35 31 | 12 36 | 22 50 | 23 0 | 13 3 | | | n.a. |
| M28 | 15 53 | 17 48 | 4 58 | 8 30 | 0 51 | 10 22 | 0 58 | 20 5 | 2 39 | 9 4 | 1 16 | 4 12 | 2 24 | 23 25 | 0 15 | 6 42 | 2 3 | 35 31 | 12 36 | 22 51 | 23 0 | 13 6 | | | n.a. |
| T 29 | 15 34 | 21 18 | 4 33 | 7 51 | 0 58 | 9 52 | 0 56 | 20 16 | 2 38 | 8 59 | 1 16 | 4 10 | 2 23 | 23 26 | 0 15 | 6 41 | 2 3 | 35 31 | 12 36 | 22 51 | 23 1 | 13 8 | | | n.a. |
| W30 | 15 15 | 23 56 | 3 55 | 7 12 | 1 5 | 9 22 | 0 54 | 20 26 | 2 38 | 8 54 | 1 16 | 4 7 | 2 23 | 23 26 | 0 16 | 6 41 | 2 3 | 35 31 | 12 37 | 22 51 | 23 1 | 13 11 | | | n.a. |
| T 31 | 14n56 | 25s31 | 3s 6 | 6n33 | 1s12 | 8n51 | 0n52 | 20s37 | 2s37 | 8n49 | 1n16 | 4n 4 | 2n23 | 23n26 | 0n16 | 6n40 | 2n 3 | 35n31 | 12n37 | 22s51 | 23s 1 | 13s13 | | | n.a. |

Julian Day Number = 993692.5, Delta T = 12h59m26s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'33, Lahiri = -31°25'32 Julian Calendar 1 Aug. 1993 BCE == Greg. Calendar 15 July 1993 BCE

The year -1992 astronomical counting style corresponds to year 1993 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## SEPTEMBER 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 34 12 | 21♌33'35 | 22♐47 | 12♍13 | 11♍ 3 | 20♏40 | 11♍ 3 | 25♍26 | 16♊ 6 | 18♍ 9 | 15♋31 | 16♑50 | 15♑17 | 21♎29 | n.a. | F 1 |
| S 2 | 21 38 9 | 22°33'22 | 5♑40 | 13°35 | 12°17 | 21°20 | 11°16 | 25°32 | 16° 8 | 18°11 | 15°33 | 16°52 | 15°14 | 21°36 | n.a. | S 2 |
| S 3 | 21 42 5 | 23°33'11 | 18°57 | 14°56 | 13°32 | 22° 0 | 11°28 | 25°39 | 16°10 | 18°13 | 15°35 | 16°R52 | 15°11 | 21°42 | n.a. | S 3 |
| M 4 | 21 46 2 | 24°33'02 | 2♒39 | 16°16 | 14°47 | 22°40 | 11°41 | 25°45 | 16°12 | 18°15 | 15°37 | 16°51 | 15° 8 | 21°49 | n.a. | M 4 |
| T 5 | 21 49 58 | 25°32'56 | 16°45 | 17°35 | 16° 1 | 23°20 | 11°54 | 25°51 | 16°14 | 18°18 | 15°38 | 16°48 | 15° 4 | 21°56 | n.a. | T 5 |
| W 6 | 21 53 55 | 26°32'51 | 1♓12 | 18°53 | 17°16 | 24° 0 | 12° 8 | 25°58 | 16°16 | 18°20 | 15°40 | 16°43 | 15° 1 | 22° 3 | n.a. | W 6 |
| T 7 | 21 57 51 | 27°32'48 | 15°53 | 20°10 | 18°31 | 24°41 | 12°21 | 26° 4 | 16°18 | 18°22 | 15°42 | 16°37 | 14°58 | 22° 9 | n.a. | T 7 |
| F 8 | 22 1 48 | 28°32'48 | 0♈42 | 21°25 | 19°45 | 25°21 | 12°34 | 26°10 | 16°19 | 18°24 | 15°43 | 16°31 | 14°55 | 22°16 | n.a. | F 8 |
| S 9 | 22 5 44 | 29°32'49 | 15°29 | 22°38 | 21° 0 | 26° 2 | 12°47 | 26°17 | 16°21 | 18°26 | 15°45 | 16°25 | 14°52 | 22°23 | n.a. | S 9 |
| S 10 | 22 9 41 | 0♍32'53 | 0♉ 8 | 23°50 | 22°15 | 26°42 | 13° 0 | 26°23 | 16°23 | 18°28 | 15°46 | 16°20 | 14°48 | 22°30 | n.a. | S 10 |
| M11 | 22 13 37 | 1°33'00 | 14°32 | 25° 0 | 23°29 | 27°23 | 13°13 | 26°30 | 16°24 | 18°30 | 15°48 | 16°16 | 14°45 | 22°36 | n.a. | M11 |
| T 12 | 22 17 34 | 2°33'09 | 28°40 | 26° 8 | 24°44 | 28° 4 | 13°26 | 26°37 | 16°26 | 18°33 | 15°50 | 16°D15 | 14°42 | 22°43 | n.a. | T 12 |
| W13 | 22 21 31 | 3°33'20 | 12♊29 | 27°14 | 25°58 | 28°45 | 13°40 | 26°43 | 16°27 | 18°35 | 15°51 | 16°15 | 14°39 | 22°50 | n.a. | W13 |
| T 14 | 22 25 27 | 4°33'34 | 26° 1 | 28°17 | 27°13 | 29°26 | 13°53 | 26°50 | 16°29 | 18°37 | 15°53 | 16°16 | 14°36 | 22°56 | n.a. | T 14 |
| F 15 | 22 29 24 | 5°33'50 | 9♋16 | 29°18 | 28°28 | 0♐ 7 | 14° 6 | 26°56 | 16°30 | 18°39 | 15°54 | 16°17 | 14°33 | 23° 3 | n.a. | F 15 |
| S 16 | 22 33 20 | 6°34'08 | 22°17 | 0♎15 | 29°42 | 0°49 | 14°19 | 27° 3 | 16°31 | 18°41 | 15°56 | 16°R17 | 14°29 | 23°10 | n.a. | S 16 |
| S 17 | 22 37 17 | 7°34'28 | 5♌ 5 | 1°10 | 0♎57 | 1°30 | 14°33 | 27°10 | 16°32 | 18°44 | 15°57 | 16°16 | 14°26 | 23°17 | n.a. | S 17 |
| M18 | 22 41 13 | 8°34'50 | 17°43 | 2° 0 | 2°11 | 2°12 | 14°46 | 27°17 | 16°34 | 18°46 | 15°58 | 16°11 | 14°23 | 23°23 | n.a. | M18 |
| T 19 | 22 45 10 | 9°35'14 | 0♍10 | 2°46 | 3°26 | 2°53 | 14°59 | 27°23 | 16°35 | 18°48 | 16° 0 | 16° 4 | 14°20 | 23°30 | n.a. | T 19 |
| W20 | 22 49 6 | 10°35'40 | 12°28 | 3°28 | 4°40 | 3°35 | 15°12 | 27°30 | 16°36 | 18°50 | 16° 1 | 15°55 | 14°17 | 23°37 | n.a. | W20 |
| T 21 | 22 53 3 | 11°36'08 | 24°38 | 4° 4 | 5°55 | 4°16 | 15°26 | 27°37 | 16°37 | 18°53 | 16° 3 | 15°44 | 14°14 | 23°44 | n.a. | T 21 |
| F 22 | 22 56 59 | 12°36'38 | 6♎39 | 4°35 | 7°10 | 4°58 | 15°39 | 27°44 | 16°38 | 18°55 | 16° 4 | 15°33 | 14°10 | 23°50 | n.a. | F 22 |
| S 23 | 23 0 56 | 13°37'09 | 18°35 | 4°59 | 8°24 | 5°40 | 15°52 | 27°51 | 16°39 | 18°57 | 16° 5 | 15°22 | 14° 7 | 23°57 | n.a. | S 23 |
| S 24 | 23 4 53 | 14°37'42 | 0♏27 | 5°16 | 9°39 | 6°22 | 16° 6 | 27°57 | 16°40 | 18°59 | 16° 7 | 15°12 | 14° 4 | 24° 4 | n.a. | S 24 |
| M25 | 23 8 49 | 15°38'17 | 12°17 | 5°26 | 10°53 | 7° 4 | 16°19 | 28° 4 | 16°40 | 19° 2 | 16° 8 | 15° 4 | 14° 1 | 24°10 | n.a. | M25 |
| T 26 | 23 12 46 | 16°38'53 | 24° 9 | 5°R26 | 12° 8 | 7°46 | 16°33 | 28°11 | 16°41 | 19° 4 | 16° 9 | 14°59 | 13°58 | 24°17 | n.a. | T 26 |
| W27 | 23 16 42 | 17°39'31 | 6♐ 7 | 5°18 | 13°22 | 8°28 | 16°46 | 28°18 | 16°42 | 19° 6 | 16°10 | 14°56 | 13°54 | 24°24 | n.a. | W27 |
| T 28 | 23 20 39 | 18°40'10 | 18°17 | 5° 0 | 14°36 | 9°10 | 16°59 | 28°25 | 16°43 | 19° 8 | 16°11 | 14°D55 | 13°51 | 24°31 | n.a. | T 28 |
| F 29 | 23 24 35 | 19°40'51 | 0♑43 | 4°32 | 15°51 | 9°53 | 17°13 | 28°32 | 16°43 | 19°11 | 16°12 | 14°56 | 13°48 | 24°37 | n.a. | F 29 |
| S 30 | 23 28 32 | 20♍41'33 | 13♑31 | 3♎54 | 17♎ 5 | 10♐35 | 17♍26 | 28♍39 | 16♊44 | 19♍13 | 16♋14 | 14°R56 | 13♑45 | 24♎44 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14n36 | 25s51 | 2s 7 | 5n54 | 1s19 | 8n21 | 0n50 | 20s47 | 2s36 | 8n44 | 1n16 | 4n 2 | 2n23 | 23n26 | 0n16 | 6n39 | 2n 2 | 35n31 | 12n37 | 22s50 | 23s 2 | 13s16 | | n.a. |
| S 2 | 14 16 | 24 49 | 1 1 | 5 15 | 1 26 | 7 50 | 0 48 | 20 57 | 2 36 | 8 39 | 1 16 | 3 59 | 2 23 | 23 27 | 0 16 | 6 38 | 2 2 | 35 31 | 12 38 | 22 50 | 23 2 | 13 18 | | n.a. |
| S 3 | 13 56 | 22 22 | 0n11 | 4 37 | 1 33 | 7 19 | 0 46 | 21 8 | 2 35 | 8 34 | 1 16 | 3 56 | 2 23 | 23 27 | 0 16 | 6 37 | 2 2 | 35 32 | 12 38 | 22 50 | 23 2 | 13 21 | | n.a. |
| M 4 | 13 36 | 18 35 | 1 25 | 3 59 | 1 40 | 6 47 | 0 44 | 21 18 | 2 34 | 8 29 | 1 16 | 3 54 | 2 23 | 23 27 | 0 16 | 6 36 | 2 2 | 35 32 | 12 38 | 22 50 | 23 3 | 13 23 | | n.a. |
| T 5 | 13 16 | 13 40 | 2 35 | 3 22 | 1 47 | 6 16 | 0 42 | 21 27 | 2 34 | 8 24 | 1 15 | 3 51 | 2 22 | 23 27 | 0 16 | 6 35 | 2 2 | 35 32 | 12 38 | 22 51 | 23 3 | 13 26 | | n.a. |
| W 6 | 12 55 | 7 54 | 3 37 | 2 45 | 1 53 | 5 44 | 0 40 | 21 37 | 2 33 | 8 18 | 1 15 | 3 48 | 2 22 | 23 28 | 0 16 | 6 35 | 2 2 | 35 32 | 12 39 | 22 51 | 23 4 | 13 28 | | n.a. |
| T 7 | 12 34 | 1 36 | 4 26 | 2 8 | 2 0 | 5 12 | 0 38 | 21 47 | 2 32 | 8 13 | 1 15 | 3 46 | 2 22 | 23 28 | 0 16 | 6 34 | 2 2 | 35 32 | 12 39 | 22 52 | 23 4 | 13 31 | | n.a. |
| F 8 | 12 13 | 4n48 | 4 57 | 1 33 | 2 6 | 4 40 | 0 35 | 21 56 | 2 32 | 8 8 | 1 15 | 3 43 | 2 22 | 23 28 | 0 16 | 6 33 | 2 2 | 35 32 | 12 39 | 22 53 | 23 4 | 13 33 | | n.a. |
| S 9 | 11 52 | 10 56 | 5 9 | 0 58 | 2 12 | 4 8 | 0 33 | 22 5 | 2 31 | 8 3 | 1 15 | 3 40 | 2 22 | 23 28 | 0 16 | 6 32 | 2 2 | 35 32 | 12 40 | 22 54 | 23 5 | 13 36 | | n.a. |
| S 10 | 11 30 | 16 24 | 5 0 | 0 23 | 2 18 | 3 36 | 0 31 | 22 15 | 2 30 | 7 58 | 1 15 | 3 38 | 2 22 | 23 28 | 0 16 | 6 31 | 2 2 | 35 32 | 12 40 | 22 54 | 23 5 | 13 38 | | n.a. |
| M11 | 11 8 | 20 51 | 4 32 | 0s10 | 2 24 | 3 4 | 0 28 | 22 24 | 2 29 | 7 53 | 1 15 | 3 35 | 2 22 | 23 29 | 0 16 | 6 30 | 2 2 | 35 32 | 12 40 | 22 55 | 23 5 | 13 41 | | n.a. |
| T 12 | 10 46 | 23 58 | 3 48 | 0 42 | 2 29 | 2 32 | 0 26 | 22 32 | 2 29 | 7 47 | 1 15 | 3 32 | 2 22 | 23 29 | 0 16 | 6 29 | 2 2 | 35 32 | 12 41 | 22 55 | 23 6 | 13 43 | | n.a. |
| W13 | 10 24 | 25 35 | 2 52 | 1 14 | 2 34 | 1 59 | 0 23 | 22 41 | 2 28 | 7 42 | 1 15 | 3 29 | 2 22 | 23 29 | 0 16 | 6 28 | 2 2 | 35 33 | 12 41 | 22 55 | 23 6 | 13 46 | | n.a. |
| T 14 | 10 2 | 25 39 | 1 47 | 1 43 | 2 39 | 1 27 | 0 21 | 22 50 | 2 27 | 7 37 | 1 15 | 3 26 | 2 22 | 23 29 | 0 16 | 6 27 | 2 2 | 35 33 | 12 42 | 22 55 | 23 6 | 13 48 | | n.a. |
| F 15 | 9 39 | 24 13 | 0 38 | 2 12 | 2 43 | 0 54 | 0 18 | 22 58 | 2 26 | 7 32 | 1 15 | 3 24 | 2 21 | 23 29 | 0 16 | 6 27 | 2 2 | 35 33 | 12 42 | 22 54 | 23 7 | 13 51 | | n.a. |
| S 16 | 9 17 | 21 31 | 0s32 | 2 39 | 2 47 | 0 21 | 0 16 | 23 6 | 2 25 | 7 26 | 1 15 | 3 21 | 2 21 | 23 29 | 0 16 | 6 26 | 2 2 | 35 33 | 12 42 | 22 54 | 23 7 | 13 53 | | n.a. |
| S 17 | 8 54 | 17 47 | 1 39 | 3 3 | 2 50 | 0s11 | 0 13 | 23 14 | 2 25 | 7 21 | 1 15 | 3 18 | 2 21 | 23 30 | 0 16 | 6 25 | 2 2 | 35 33 | 12 43 | 22 55 | 23 7 | 13 55 | | n.a. |
| M18 | 8 31 | 13 18 | 2 40 | 3 26 | 2 52 | 0 44 | 0 10 | 23 22 | 2 24 | 7 16 | 1 15 | 3 15 | 2 21 | 23 30 | 0 16 | 6 24 | 2 2 | 35 33 | 12 43 | 22 55 | 23 8 | 13 58 | | n.a. |
| T 19 | 8 8 | 8 20 | 3 33 | 3 47 | 2 54 | 1 16 | 0 8 | 23 30 | 2 23 | 7 10 | 1 15 | 3 12 | 2 21 | 23 30 | 0 16 | 6 23 | 2 2 | 35 34 | 12 43 | 22 56 | 23 8 | 14 0 | | n.a. |
| W20 | 7 45 | 3 7 | 4 14 | 4 5 | 2 56 | 1 49 | 0 5 | 23 37 | 2 22 | 7 5 | 1 15 | 3 10 | 2 21 | 23 30 | 0 16 | 6 22 | 2 2 | 35 34 | 12 44 | 22 57 | 23 8 | 14 3 | | n.a. |
| T 21 | 7 21 | 2s 9 | 4 44 | 4 20 | 2 56 | 2 21 | 0 2 | 23 45 | 2 21 | 7 0 | 1 15 | 3 7 | 2 21 | 23 30 | 0 16 | 6 21 | 2 2 | 35 34 | 12 44 | 22 58 | 23 9 | 14 5 | | n.a. |
| F 22 | 6 58 | 7 16 | 5 0 | 4 32 | 2 56 | 2 54 | 0s 0 | 23 52 | 2 21 | 6 55 | 1 15 | 3 4 | 2 21 | 23 30 | 0 16 | 6 20 | 2 2 | 35 34 | 12 45 | 23 0 | 23 9 | 14 8 | | n.a. |
| S 23 | 6 34 | 12 5 | 5 3 | 4 40 | 2 54 | 3 26 | 0 3 | 23 59 | 2 20 | 6 49 | 1 14 | 3 1 | 2 21 | 23 30 | 0 16 | 6 19 | 2 2 | 35 34 | 12 45 | 23 1 | 23 10 | 14 10 | | n.a. |
| S 24 | 6 10 | 16 25 | 4 53 | 4 45 | 2 51 | 3 59 | 0 6 | 24 5 | 2 19 | 6 44 | 1 14 | 2 58 | 2 21 | 23 30 | 0 16 | 6 18 | 2 2 | 35 35 | 12 45 | 23 2 | 23 10 | 14 12 | | n.a. |
| M25 | 5 46 | 20 7 | 4 31 | 4 45 | 2 47 | 4 31 | 0 8 | 24 12 | 2 18 | 6 39 | 1 14 | 2 55 | 2 21 | 23 31 | 0 16 | 6 18 | 2 2 | 35 35 | 12 46 | 23 3 | 23 10 | 14 15 | | n.a. |
| T 26 | 5 22 | 23 0 | 3 56 | 4 40 | 2 42 | 5 3 | 0 11 | 24 18 | 2 17 | 6 33 | 1 14 | 2 53 | 2 21 | 23 31 | 0 16 | 6 17 | 2 2 | 35 35 | 12 46 | 23 4 | 23 11 | 14 17 | | n.a. |
| W27 | 4 58 | 24 54 | 3 11 | 4 31 | 2 35 | 5 35 | 0 14 | 24 24 | 2 16 | 6 28 | 1 14 | 2 50 | 2 21 | 23 31 | 0 16 | 6 16 | 2 2 | 35 35 | 12 47 | 23 4 | 23 11 | 14 20 | | n.a. |
| T 28 | 4 34 | 25 40 | 2 17 | 4 15 | 2 26 | 6 7 | 0 17 | 24 30 | 2 15 | 6 23 | 1 14 | 2 47 | 2 21 | 23 31 | 0 16 | 6 15 | 2 2 | 35 36 | 12 47 | 23 4 | 23 11 | 14 22 | | n.a. |
| F 29 | 4 10 | 25 10 | 1 15 | 3 55 | 2 16 | 6 39 | 0 19 | 24 36 | 2 15 | 6 17 | 1 14 | 2 44 | 2 20 | 23 31 | 0 16 | 6 14 | 2 2 | 35 36 | 12 47 | 23 4 | 23 12 | 14 24 | | n.a. |
| S 30 | 3n46 | 23s21 | 0s 8 | 3s28 | 2s 4 | 7s11 | 0s22 | 24s41 | 2s14 | 6n12 | 1n14 | 2n41 | 2n20 | 23n31 | 0n16 | 6n13 | 2n 2 | 35n36 | 12n48 | 23s 4 | 23s12 | 14s27 | | n.a. |

Julian Day Number = 993723.5, Delta T = 12h59m24s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'29, Lahiri = -31°25'28 Julian Calendar 1 Sept. 1993 BCE == Greg. Calendar 15 Aug. 1993 BCE

The year -1992 astronomical counting style corresponds to year 1993 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## OCTOBER 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 32 28 | 21♍42'16 | 26♉44 | 3°R 6 | 18♎20 | 11♐17 | 17♍39 | 28♍46 | 16♊44 | 19♍15 | 16♋15 | 14°R56 | 13♉42 | 24♎51 | n.a. | S 1 |
| M 2 | 23 36 25 | 22°43'01 | 10♒27 | 2♎ 8 | 19°34 | 12° 0 | 17°53 | 28°53 | 16°45 | 19°17 | 16°16 | 14♉53 | 13°39 | 24°57 | n.a. | M 2 |
| T 3 | 23 40 22 | 23°43'47 | 24°39 | 1° 1 | 20°48 | 12°42 | 18° 6 | 29° 0 | 16°45 | 19°20 | 16°17 | 14°48 | 13°35 | 25° 4 | n.a. | T 3 |
| W 4 | 23 44 18 | 24°44'34 | 9♓18 | 29♍48 | 22° 3 | 13°25 | 18°19 | 29° 7 | 16°45 | 19°22 | 16°18 | 14°40 | 13°32 | 25°11 | n.a. | W 4 |
| T 5 | 23 48 15 | 25°45'23 | 24°17 | 28°29 | 23°17 | 14° 7 | 18°33 | 29°14 | 16°46 | 19°24 | 16°19 | 14°30 | 13°29 | 25°18 | n.a. | T 5 |
| F 6 | 23 52 11 | 26°46'13 | 9♈29 | 27° 8 | 24°31 | 14°50 | 18°46 | 29°21 | 16°46 | 19°26 | 16°20 | 14°19 | 13°26 | 25°24 | n.a. | F 6 |
| S 7 | 23 56 8 | 27°47'04 | 24°41 | 25°47 | 25°46 | 15°32 | 18°59 | 29°28 | 16°46 | 19°29 | 16°21 | 14° 8 | 13°23 | 25°31 | n.a. | S 7 |
| S 8 | 0 0 4 | 28°47'57 | 9♉43 | 24°28 | 27° 0 | 16°15 | 19°13 | 29°35 | 16°46 | 19°31 | 16°21 | 13°59 | 13°19 | 25°38 | n.a. | S 8 |
| M 9 | 0 4 1 | 29°48'52 | 24°27 | 23°15 | 28°14 | 16°58 | 19°26 | 29°42 | 16°R46 | 19°33 | 16°22 | 13°52 | 13°16 | 25°44 | n.a. | M 9 |
| T 10 | 0 7 57 | 0♎49'49 | 8♊48 | 22° 9 | 29°28 | 17°40 | 19°39 | 29°49 | 16°46 | 19°35 | 16°23 | 13°48 | 13°13 | 25°51 | n.a. | T 10 |
| W11 | 0 11 54 | 1°50'47 | 22°43 | 21°13 | 0♏43 | 18°23 | 19°52 | 29°56 | 16°46 | 19°38 | 16°24 | 13°47 | 13°10 | 25°58 | n.a. | W11 |
| T 12 | 0 15 51 | 2°51'47 | 6♋13 | 20°28 | 1°57 | 19° 6 | 20° 5 | 0♎ 3 | 16°46 | 19°40 | 16°25 | 13°47 | 13° 7 | 26° 5 | n.a. | T 12 |
| F 13 | 0 19 47 | 3°52'48 | 19°20 | 19°53 | 3°11 | 19°49 | 20°19 | 0°10 | 16°46 | 19°42 | 16°25 | 13°47 | 13° 4 | 26°11 | n.a. | F 13 |
| S 14 | 0 23 44 | 4°53'51 | 2♌10 | 19°31 | 4°25 | 20°32 | 20°32 | 0°17 | 16°45 | 19°44 | 16°26 | 13°45 | 13° 0 | 26°18 | n.a. | S 14 |
| S 15 | 0 27 40 | 5°54'55 | 14°44 | 19°20 | 5°39 | 21°15 | 20°45 | 0°24 | 16°45 | 19°46 | 16°27 | 13°42 | 12°57 | 26°25 | n.a. | S 15 |
| M16 | 0 31 37 | 6°56'00 | 27° 6 | 19°D19 | 6°53 | 21°58 | 20°58 | 0°31 | 16°45 | 19°49 | 16°27 | 13°36 | 12°54 | 26°32 | n.a. | M16 |
| T 17 | 0 35 33 | 7°57'07 | 9♍19 | 19°30 | 8° 7 | 22°41 | 21°11 | 0°38 | 16°44 | 19°51 | 16°28 | 13°26 | 12°51 | 26°38 | n.a. | T 17 |
| W18 | 0 39 30 | 8°58'15 | 21°25 | 19°50 | 9°21 | 23°24 | 21°24 | 0°45 | 16°44 | 19°53 | 16°29 | 13°14 | 12°48 | 26°45 | n.a. | W18 |
| T 19 | 0 43 26 | 9°59'24 | 3♎25 | 20°18 | 10°35 | 24° 7 | 21°37 | 0°52 | 16°43 | 19°55 | 16°29 | 13° 0 | 12°45 | 26°52 | n.a. | T 19 |
| F 20 | 0 47 23 | 11° 0'33 | 15°21 | 20°55 | 11°50 | 24°50 | 21°50 | 0°59 | 16°43 | 19°57 | 16°30 | 12°44 | 12°41 | 26°58 | n.a. | F 20 |
| S 21 | 0 51 20 | 12° 1'44 | 27°14 | 21°38 | 13° 4 | 25°33 | 22° 3 | 1° 6 | 16°42 | 19°59 | 16°30 | 12°29 | 12°38 | 27° 5 | n.a. | S 21 |
| S 22 | 0 55 16 | 13° 2'56 | 9♏ 5 | 22°28 | 14°17 | 26°16 | 22°16 | 1°13 | 16°41 | 20° 1 | 16°31 | 12°16 | 12°35 | 27°12 | n.a. | S 22 |
| M23 | 0 59 13 | 14° 4'09 | 20°56 | 23°23 | 15°31 | 26°59 | 22°29 | 1°19 | 16°41 | 20° 4 | 16°31 | 12° 4 | 12°32 | 27°19 | n.a. | M23 |
| T 24 | 1 3 9 | 15° 5'22 | 2♐49 | 24°22 | 16°45 | 27°42 | 22°42 | 1°26 | 16°40 | 20° 6 | 16°31 | 11°56 | 12°29 | 27°25 | n.a. | T 24 |
| W25 | 1 7 6 | 16° 6'36 | 14°47 | 25°26 | 17°59 | 28°25 | 22°55 | 1°33 | 16°39 | 20° 8 | 16°32 | 11°51 | 12°25 | 27°32 | n.a. | W25 |
| T 26 | 1 11 2 | 17° 7'50 | 26°55 | 26°34 | 19°13 | 29° 8 | 23° 8 | 1°40 | 16°38 | 20°10 | 16°32 | 11°49 | 12°22 | 27°39 | n.a. | T 26 |
| F 27 | 1 14 59 | 18° 9'05 | 9♑17 | 27°44 | 20°27 | 29°52 | 23°21 | 1°47 | 16°37 | 20°12 | 16°32 | 11°48 | 12°19 | 27°45 | n.a. | F 27 |
| S 28 | 1 18 55 | 19°10'20 | 21°58 | 28°58 | 21°41 | 0♑35 | 23°33 | 1°54 | 16°36 | 20°14 | 16°33 | 11°48 | 12°16 | 27°52 | n.a. | S 28 |
| S 29 | 1 22 52 | 20°11'36 | 5♒ 3 | 0♎13 | 22°55 | 1°18 | 23°46 | 2° 0 | 16°35 | 20°16 | 16°33 | 11°48 | 12°13 | 27°59 | n.a. | S 29 |
| M30 | 1 26 49 | 21°12'52 | 18°36 | 1°31 | 24° 8 | 2° 1 | 23°59 | 2° 7 | 16°34 | 20°18 | 16°33 | 11°45 | 12°10 | 28° 6 | n.a. | M30 |
| T 31 | 1 30 45 | 22♎14'08 | 2♓40 | 2♎51 | 25♏22 | 2♑44 | 24♍11 | 2♎14 | 16♊33 | 20♍20 | 16♋33 | 11♉40 | 12♑ 6 | 28♎12 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 3n21 | 20s13 | 1n 2 | 2s56 | 1s50 | 7s42 | 0s25 | 24s47 | 2s13 | 6n 7 | 1n14 | 2n38 | 2n20 | 23n31 | 0n16 | 6n12 | 2n 2 | 35n36 | 12n48 | 23s 4 | 23s12 | 14s29 | | | n.a. |
| M 2 | 2 57 | 15 52 | 2 11 | 2 18 | 1 34 | 8 14 | 0 28 | 24 52 | 2 12 | 6 1 | 1 14 | 2 35 | 2 20 | 23 31 | 0 16 | 6 11 | 2 2 | 35 37 | 12 49 | 23 4 | 23 13 | 14 32 | | | n.a. |
| T 3 | 2 32 | 10 32 | 3 14 | 1 35 | 1 17 | 8 45 | 0 30 | 24 57 | 2 11 | 5 56 | 1 14 | 2 33 | 2 20 | 23 31 | 0 16 | 6 10 | 2 2 | 35 37 | 12 49 | 23 5 | 23 13 | 14 34 | | | n.a. |
| W 4 | 2 8 | 4 27 | 4 6 | 0 48 | 0 58 | 9 16 | 0 33 | 25 1 | 2 10 | 5 51 | 1 14 | 2 30 | 2 20 | 23 31 | 0 16 | 6 9 | 2 2 | 35 37 | 12 49 | 23 6 | 23 13 | 14 36 | | | n.a. |
| T 5 | 1 43 | 2n 0 | 4 43 | 0n 2 | 0 38 | 9 47 | 0 36 | 25 6 | 2 9 | 5 45 | 1 14 | 2 27 | 2 20 | 23 31 | 0 16 | 6 9 | 2 2 | 35 38 | 12 50 | 23 7 | 23 14 | 14 39 | | | n.a. |
| F 6 | 1 19 | 8 25 | 5 0 | 0 54 | 0 18 | 10 17 | 0 38 | 25 10 | 2 8 | 5 40 | 1 14 | 2 24 | 2 20 | 23 31 | 0 16 | 6 8 | 2 2 | 35 38 | 12 50 | 23 8 | 23 14 | 14 41 | | | n.a. |
| S 7 | 0 54 | 14 19 | 4 56 | 1 45 | 0n 3 | 10 47 | 0 41 | 25 14 | 2 7 | 5 35 | 1 14 | 2 21 | 2 20 | 23 31 | 0 16 | 6 7 | 2 2 | 35 38 | 12 51 | 23 9 | 23 14 | 14 44 | | | n.a. |
| S 8 | 0 29 | 19 18 | 4 32 | 2 36 | 0 24 | 11 17 | 0 44 | 25 18 | 2 6 | 5 29 | 1 14 | 2 18 | 2 20 | 23 31 | 0 16 | 6 6 | 2 2 | 35 38 | 12 51 | 23 10 | 23 15 | 14 46 | | | n.a. |
| M 9 | 0 5 | 22 58 | 3 50 | 3 23 | 0 43 | 11 47 | 0 47 | 25 21 | 2 5 | 5 24 | 1 14 | 2 16 | 2 20 | 23 31 | 0 17 | 6 5 | 2 2 | 35 39 | 12 52 | 23 11 | 23 15 | 14 48 | | | n.a. |
| T 10 | 0s20 | 25 4 | 2 54 | 4 7 | 1 2 | 12 16 | 0 49 | 25 24 | 2 5 | 5 19 | 1 14 | 2 13 | 2 20 | 23 31 | 0 17 | 6 4 | 2 2 | 35 39 | 12 52 | 23 11 | 23 15 | 14 51 | | | n.a. |
| W11 | 0 45 | 25 32 | 1 49 | 4 45 | 1 18 | 12 46 | 0 52 | 25 27 | 2 4 | 5 13 | 1 14 | 2 10 | 2 20 | 23 32 | 0 17 | 6 3 | 2 2 | 35 39 | 12 53 | 23 12 | 23 15 | 14 53 | | | n.a. |
| T 12 | 1 10 | 24 26 | 0 40 | 5 17 | 1 34 | 13 14 | 0 55 | 25 30 | 2 3 | 5 8 | 1 14 | 2 7 | 2 20 | 23 32 | 0 17 | 6 2 | 2 2 | 35 40 | 12 53 | 23 12 | 23 16 | 14 55 | | | n.a. |
| F 13 | 1 34 | 22 1 | 0s29 | 5 43 | 1 47 | 13 43 | 0 57 | 25 33 | 2 2 | 5 3 | 1 14 | 2 4 | 2 20 | 23 32 | 0 17 | 6 2 | 2 2 | 35 40 | 12 53 | 23 12 | 23 16 | 14 58 | | | n.a. |
| S 14 | 1 59 | 18 32 | 1 36 | 6 2 | 1 58 | 14 11 | 1 0 | 25 35 | 2 1 | 4 58 | 1 14 | 2 1 | 2 20 | 23 32 | 0 17 | 6 1 | 2 2 | 35 41 | 12 54 | 23 12 | 23 16 | 15 0 | | | n.a. |
| S 15 | 2 24 | 14 16 | 2 36 | 6 16 | 2 8 | 14 39 | 1 2 | 25 37 | 2 0 | 4 52 | 1 14 | 1 58 | 2 20 | 23 32 | 0 17 | 6 0 | 2 2 | 35 41 | 12 54 | 23 12 | 23 17 | 15 2 | | | n.a. |
| M16 | 2 48 | 9 29 | 3 27 | 6 23 | 2 15 | 15 6 | 1 5 | 25 39 | 1 59 | 4 47 | 1 14 | 1 56 | 2 20 | 23 32 | 0 17 | 5 59 | 2 2 | 35 41 | 12 55 | 23 13 | 23 17 | 15 5 | | | n.a. |
| T 17 | 3 13 | 4 25 | 4 8 | 6 24 | 2 21 | 15 33 | 1 7 | 25 41 | 1 58 | 4 42 | 1 14 | 1 53 | 2 20 | 23 31 | 0 17 | 5 58 | 2 2 | 35 42 | 12 55 | 23 14 | 23 17 | 15 7 | | | n.a. |
| W18 | 3 38 | 0s46 | 4 38 | 6 20 | 2 26 | 16 0 | 1 10 | 25 42 | 1 57 | 4 37 | 1 14 | 1 50 | 2 20 | 23 31 | 0 17 | 5 57 | 2 2 | 35 42 | 12 56 | 23 15 | 23 18 | 15 9 | | | n.a. |
| T 19 | 4 2 | 5 53 | 4 55 | 6 11 | 2 29 | 16 26 | 1 12 | 25 43 | 1 56 | 4 31 | 1 14 | 1 47 | 2 20 | 23 31 | 0 17 | 5 56 | 2 2 | 35 42 | 12 56 | 23 16 | 23 18 | 15 12 | | | n.a. |
| F 20 | 4 26 | 10 44 | 4 59 | 5 58 | 2 30 | 16 52 | 1 15 | 25 44 | 1 55 | 4 26 | 1 14 | 1 44 | 2 20 | 23 31 | 0 17 | 5 56 | 2 2 | 35 43 | 12 57 | 23 18 | 23 18 | 15 14 | | | n.a. |
| S 21 | 4 51 | 15 11 | 4 49 | 5 41 | 2 31 | 17 18 | 1 17 | 25 45 | 1 54 | 4 21 | 1 14 | 1 42 | 2 20 | 23 31 | 0 17 | 5 55 | 2 2 | 35 43 | 12 57 | 23 19 | 23 19 | 15 16 | | | n.a. |
| S 22 | 5 15 | 19 1 | 4 27 | 5 20 | 2 30 | 17 43 | 1 19 | 25 45 | 1 53 | 4 16 | 1 15 | 1 39 | 2 20 | 23 31 | 0 17 | 5 54 | 2 3 | 35 44 | 12 58 | 23 21 | 23 19 | 15 18 | | | n.a. |
| M23 | 5 39 | 22 6 | 3 54 | 4 57 | 2 29 | 18 7 | 1 22 | 25 45 | 1 52 | 4 11 | 1 15 | 1 36 | 2 20 | 23 31 | 0 17 | 5 53 | 2 3 | 35 44 | 12 58 | 23 22 | 23 19 | 15 21 | | | n.a. |
| T 24 | 6 4 | 24 15 | 3 10 | 4 31 | 2 26 | 18 31 | 1 24 | 25 45 | 1 51 | 4 5 | 1 15 | 1 33 | 2 20 | 23 31 | 0 17 | 5 52 | 2 3 | 35 44 | 12 59 | 23 23 | 23 20 | 15 23 | | | n.a. |
| W25 | 6 28 | 25 19 | 2 18 | 4 2 | 2 23 | 18 55 | 1 26 | 25 45 | 1 50 | 4 0 | 1 15 | 1 31 | 2 20 | 23 31 | 0 17 | 5 52 | 2 3 | 35 45 | 12 59 | 23 23 | 23 20 | 15 25 | | | n.a. |
| T 26 | 6 52 | 25 11 | 1 18 | 3 31 | 2 20 | 19 18 | 1 28 | 25 44 | 1 49 | 3 55 | 1 15 | 1 28 | 2 20 | 23 31 | 0 17 | 5 51 | 2 3 | 35 45 | 13 0 | 23 23 | 23 20 | 15 28 | | | n.a. |
| F 27 | 7 15 | 23 49 | 0 13 | 2 59 | 2 16 | 19 40 | 1 30 | 25 44 | 1 48 | 3 50 | 1 15 | 1 25 | 2 21 | 23 31 | 0 17 | 5 50 | 2 3 | 35 46 | 13 0 | 23 23 | 23 20 | 15 30 | | | n.a. |
| S 28 | 7 39 | 21 13 | 0n54 | 2 25 | 2 11 | 20 2 | 1 32 | 25 43 | 1 47 | 3 45 | 1 15 | 1 22 | 2 21 | 23 31 | 0 17 | 5 49 | 2 3 | 35 46 | 13 0 | 23 23 | 23 21 | 15 32 | | | n.a. |
| S 29 | 8 3 | 17 27 | 2 0 | 1 50 | 2 6 | 20 23 | 1 34 | 25 41 | 1 46 | 3 40 | 1 15 | 1 20 | 2 21 | 23 31 | 0 17 | 5 48 | 2 3 | 35 46 | 13 1 | 23 23 | 23 21 | 15 34 | | | n.a. |
| M30 | 8 26 | 12 41 | 3 1 | 1 13 | 2 0 | 20 44 | 1 36 | 25 40 | 1 45 | 3 35 | 1 15 | 1 17 | 2 21 | 23 31 | 0 17 | 5 48 | 2 3 | 35 47 | 13 1 | 23 24 | 23 21 | 15 37 | | | n.a. |
| T 31 | 8s50 | 7s 6 | 3n55 | 0n36 | 1n55 | 21s 5 | 1s38 | 25s38 | 1s44 | 3n30 | 1n15 | 1n14 | 2n21 | 23n31 | 0n17 | 5n47 | 2n 3 | 35n47 | 13n 2 | 23s24 | 23s22 | 15s39 | | | n.a. |

Julian Day Number = 993753.5, Delta T = 12h59m22s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'25, Lahiri = -31°25'24 Julian Calendar 1 Oct. 1993 BCE == Greg. Calendar 14 Sept. 1993 BCE

The year -1992 astronomical counting style corresponds to year 1993 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## NOVEMBER 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 34 42 | 23♎15'24 | 17♓13 | 4♎12 | 26♏36 | 3♑28 | 24♍24 | 2♎21 | 16°R31 | 20♍22 | 16♋33 | 11°R32 | 12♑ 3 | 28♎19 | n.a. | W 1 |
| T 2 | 1 38 38 | 24°16'41 | 2♈12 | 5°34 | 27°49 | 4°11 | 24°36 | 2°27 | 16♊30 | 20°24 | 16°34 | 11♑22 | 12° 0 | 28°26 | n.a. | T 2 |
| F 3 | 1 42 35 | 25°17'58 | 17°29 | 6°58 | 29° 3 | 4°54 | 24°49 | 2°34 | 16°29 | 20°26 | 16°34 | 11°11 | 11°57 | 28°32 | n.a. | F 3 |
| S 4 | 1 46 31 | 26°19'15 | 2♉52 | 8°22 | 0♐16 | 5°37 | 25° 1 | 2°41 | 16°28 | 20°28 | 16°34 | 11° 0 | 11°54 | 28°39 | n.a. | S 4 |
| S 5 | 1 50 28 | 27°20'33 | 18° 9 | 9°48 | 1°30 | 6°21 | 25°13 | 2°47 | 16°26 | 20°30 | 16°R34 | 10°50 | 11°50 | 28°46 | n.a. | S 5 |
| M 6 | 1 54 25 | 28°21'51 | 3♊11 | 11°14 | 2°43 | 7° 4 | 25°26 | 2°54 | 16°25 | 20°32 | 16°34 | 10°43 | 11°47 | 28°53 | n.a. | M 6 |
| T 7 | 1 58 21 | 29°23'10 | 17°48 | 12°41 | 3°57 | 7°47 | 25°38 | 3° 0 | 16°23 | 20°33 | 16°34 | 10°39 | 11°44 | 28°59 | n.a. | T 7 |
| W 8 | 2 2 18 | 0♏24'29 | 1♋56 | 14° 9 | 5°10 | 8°30 | 25°50 | 3° 7 | 16°22 | 20°35 | 16°33 | 10°37 | 11°41 | 29° 6 | n.a. | W 8 |
| T 9 | 2 6 14 | 1°25'49 | 15°36 | 15°37 | 6°24 | 9°14 | 26° 2 | 3°13 | 16°20 | 20°37 | 16°33 | 10°D36 | 11°38 | 29°13 | n.a. | T 9 |
| F 10 | 2 10 11 | 2°27'09 | 28°49 | 17° 5 | 7°37 | 9°57 | 26°14 | 3°20 | 16°18 | 20°39 | 16°33 | 10°R37 | 11°35 | 29°20 | n.a. | F 10 |
| S 11 | 2 14 7 | 3°28'29 | 11♌38 | 18°35 | 8°50 | 10°40 | 26°26 | 3°26 | 16°17 | 20°41 | 16°33 | 10°37 | 11°31 | 29°26 | n.a. | S 11 |
| S 12 | 2 18 4 | 4°29'50 | 24° 8 | 20° 4 | 10° 3 | 11°23 | 26°38 | 3°32 | 16°15 | 20°42 | 16°33 | 10°35 | 11°28 | 29°33 | n.a. | S 12 |
| M13 | 2 22 0 | 5°31'11 | 6♍24 | 21°34 | 11°17 | 12° 6 | 26°50 | 3°39 | 16°13 | 20°44 | 16°33 | 10°30 | 11°25 | 29°40 | n.a. | M13 |
| T 14 | 2 25 57 | 6°32'32 | 18°29 | 23° 5 | 12°30 | 12°50 | 27° 2 | 3°45 | 16°11 | 20°46 | 16°32 | 10°23 | 11°22 | 29°46 | n.a. | T 14 |
| W15 | 2 29 54 | 7°33'53 | 0♎27 | 24°36 | 13°43 | 13°33 | 27°14 | 3°51 | 16°10 | 20°48 | 16°32 | 10°13 | 11°19 | 29°53 | n.a. | W15 |
| T 16 | 2 33 50 | 8°35'15 | 12°21 | 26° 7 | 14°56 | 14°16 | 27°25 | 3°57 | 16° 8 | 20°49 | 16°32 | 10° 1 | 11°16 | 29°59 | n.a. | T 16 |
| F 17 | 2 37 47 | 9°36'36 | 24°13 | 27°38 | 16° 9 | 14°59 | 27°37 | 4° 4 | 16° 6 | 20°51 | 16°31 | 9°49 | 11°12 | 0♏ 7 | n.a. | F 17 |
| S 18 | 2 41 43 | 10°37'57 | 6♏ 5 | 29°10 | 17°22 | 15°42 | 27°48 | 4°10 | 16° 4 | 20°53 | 16°31 | 9°36 | 11° 9 | 0°13 | n.a. | S 18 |
| S 19 | 2 45 40 | 11°39'18 | 17°57 | 0♏42 | 18°35 | 16°26 | 28° 0 | 4°16 | 16° 2 | 20°54 | 16°30 | 9°25 | 11° 6 | 0°20 | n.a. | S 19 |
| M20 | 2 49 36 | 12°40'39 | 29°52 | 2°15 | 19°48 | 17° 9 | 28°11 | 4°22 | 16° 0 | 20°56 | 16°30 | 9°16 | 11° 3 | 0°27 | n.a. | M20 |
| T 21 | 2 53 33 | 13°42'00 | 11♐51 | 3°48 | 21° 0 | 17°52 | 28°22 | 4°28 | 15°58 | 20°57 | 16°29 | 9°10 | 11° 0 | 0°33 | n.a. | T 21 |
| W22 | 2 57 30 | 14°43'20 | 23°56 | 5°21 | 22°13 | 18°35 | 28°34 | 4°34 | 15°56 | 20°59 | 16°29 | 9° 6 | 10°56 | 0°40 | n.a. | W22 |
| T 23 | 3 1 26 | 15°44'39 | 6♑10 | 6°55 | 23°26 | 19°18 | 28°45 | 4°40 | 15°54 | 21° 0 | 16°28 | 9°D 4 | 10°53 | 0°47 | n.a. | T 23 |
| F 24 | 3 5 23 | 16°45'58 | 18°36 | 8°29 | 24°38 | 20° 2 | 28°56 | 4°45 | 15°51 | 21° 2 | 16°28 | 9° 5 | 10°50 | 0°54 | n.a. | F 24 |
| S 25 | 3 9 19 | 17°47'16 | 1♒17 | 10° 3 | 25°51 | 20°45 | 29° 7 | 4°51 | 15°49 | 21° 3 | 16°27 | 9° 6 | 10°47 | 1° 0 | n.a. | S 25 |
| S 26 | 3 13 16 | 18°48'33 | 14°19 | 11°38 | 27° 3 | 21°28 | 29°18 | 4°57 | 15°47 | 21° 5 | 16°26 | 9°R 7 | 10°44 | 1° 7 | n.a. | S 26 |
| M27 | 3 17 12 | 19°49'49 | 27°43 | 13°14 | 28°16 | 22°11 | 29°28 | 5° 2 | 15°45 | 21° 6 | 16°26 | 9° 7 | 10°41 | 1°14 | n.a. | M27 |
| T 28 | 3 21 9 | 20°51'05 | 11♓34 | 14°49 | 29°28 | 22°54 | 29°39 | 5° 8 | 15°42 | 21° 7 | 16°25 | 9° 4 | 10°37 | 1°20 | n.a. | T 28 |
| W29 | 3 25 6 | 21°52'19 | 25°52 | 16°25 | 0♑40 | 23°37 | 29°50 | 5°14 | 15°40 | 21° 9 | 16°24 | 9° 0 | 10°34 | 1°27 | n.a. | W29 |
| T 30 | 3 29 2 | 22♏53'32 | 10♈34 | 18♏ 2 | 1♑52 | 24♑20 | 0♎ 0 | 5♎19 | 15♊38 | 21♍10 | 16♋24 | 8♑55 | 10♑31 | 1♏34 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 9s13 | 0s57 | 4n34 | 0s 3 | 1n49 | 21s24 | 1s40 | 25s36 | 1s43 | 3n25 | 1n15 | 1n12 | 2n21 | 23n31 | 0n17 | 5n46 | 2n 3 | 35n48 | 13n 2 | 23s25 | 23s22 | 15s41 | | n.a. |
| T 2 | 9 36 | 5n25 | 4 57 | 0 42 | 1 42 | 21 43 | 1 42 | 25 34 | 1 42 | 3 20 | 1 15 | 1 9 | 2 21 | 23 30 | 0 17 | 5 45 | 2 3 | 35 48 | 13 3 | 23 26 | 23 22 | 15 43 | | n.a. |
| F 3 | 9 59 | 11 35 | 4 59 | 1 21 | 1 36 | 22 2 | 1 43 | 25 31 | 1 41 | 3 15 | 1 15 | 1 6 | 2 21 | 23 30 | 0 17 | 5 45 | 2 3 | 35 49 | 13 3 | 23 27 | 23 22 | 15 46 | | n.a. |
| S 4 | 10 21 | 17 4 | 4 40 | 2 1 | 1 30 | 22 20 | 1 45 | 25 28 | 1 40 | 3 10 | 1 15 | 1 4 | 2 21 | 23 30 | 0 17 | 5 44 | 2 3 | 35 49 | 13 4 | 23 27 | 23 23 | 15 48 | | n.a. |
| S 5 | 10 44 | 21 25 | 4 0 | 2 41 | 1 23 | 22 37 | 1 47 | 25 25 | 1 39 | 3 5 | 1 15 | 1 1 | 2 21 | 23 30 | 0 17 | 5 43 | 2 3 | 35 50 | 13 4 | 23 28 | 23 23 | 15 50 | | n.a. |
| M 6 | 11 6 | 24 14 | 3 4 | 3 22 | 1 16 | 22 53 | 1 48 | 25 22 | 1 38 | 3 0 | 1 15 | 0 59 | 2 21 | 23 30 | 0 17 | 5 42 | 2 3 | 35 50 | 13 5 | 23 29 | 23 23 | 15 52 | | n.a. |
| T 7 | 11 29 | 25 18 | 1 58 | 4 3 | 1 9 | 23 9 | 1 49 | 25 19 | 1 37 | 2 55 | 1 15 | 0 56 | 2 21 | 23 30 | 0 17 | 5 42 | 2 3 | 35 51 | 13 5 | 23 29 | 23 24 | 15 55 | | n.a. |
| W 8 | 11 51 | 24 40 | 0 46 | 4 44 | 1 2 | 23 25 | 1 51 | 25 15 | 1 36 | 2 50 | 1 15 | 0 53 | 2 21 | 23 30 | 0 17 | 5 41 | 2 3 | 35 51 | 13 6 | 23 29 | 23 24 | 15 57 | | n.a. |
| T 9 | 12 12 | 22 33 | 0s27 | 5 25 | 0 55 | 23 39 | 1 52 | 25 11 | 1 35 | 2 45 | 1 16 | 0 51 | 2 21 | 23 30 | 0 17 | 5 40 | 2 3 | 35 52 | 13 6 | 23 29 | 23 24 | 15 59 | | n.a. |
| F 10 | 12 34 | 19 16 | 1 35 | 6 6 | 0 48 | 23 53 | 1 53 | 25 7 | 1 34 | 2 41 | 1 16 | 0 48 | 2 21 | 23 29 | 0 17 | 5 40 | 2 3 | 35 52 | 13 7 | 23 29 | 23 24 | 16 1 | | n.a. |
| S 11 | 12 55 | 15 8 | 2 37 | 6 48 | 0 41 | 24 6 | 1 55 | 25 2 | 1 33 | 2 36 | 1 16 | 0 46 | 2 22 | 23 29 | 0 17 | 5 39 | 2 3 | 35 53 | 13 7 | 23 29 | 23 25 | 16 3 | | n.a. |
| S 12 | 13 17 | 10 27 | 3 30 | 7 29 | 0 34 | 24 19 | 1 56 | 24 58 | 1 32 | 2 31 | 1 16 | 0 43 | 2 22 | 23 29 | 0 17 | 5 38 | 2 3 | 35 53 | 13 7 | 23 30 | 23 25 | 16 6 | | n.a. |
| M13 | 13 38 | 5 28 | 4 11 | 8 10 | 0 27 | 24 31 | 1 57 | 24 53 | 1 31 | 2 26 | 1 16 | 0 41 | 2 22 | 23 29 | 0 17 | 5 38 | 2 3 | 35 53 | 13 8 | 23 30 | 23 25 | 16 8 | | n.a. |
| T 14 | 13 58 | 0 21 | 4 41 | 8 50 | 0 20 | 24 42 | 1 58 | 24 47 | 1 30 | 2 22 | 1 16 | 0 39 | 2 22 | 23 29 | 0 17 | 5 37 | 2 3 | 35 54 | 13 8 | 23 31 | 23 26 | 16 10 | | n.a. |
| W15 | 14 19 | 4s44 | 4 59 | 9 31 | 0 13 | 24 52 | 1 58 | 24 42 | 1 29 | 2 17 | 1 16 | 0 36 | 2 22 | 23 29 | 0 17 | 5 36 | 2 4 | 35 54 | 13 9 | 23 31 | 23 26 | 16 12 | | n.a. |
| T 16 | 14 39 | 9 36 | 5 3 | 10 11 | 0 6 | 25 2 | 1 59 | 24 37 | 1 28 | 2 12 | 1 16 | 0 34 | 2 22 | 23 28 | 0 17 | 5 36 | 2 4 | 35 55 | 13 9 | 23 32 | 23 26 | 16 14 | | n.a. |
| F 17 | 14 59 | 14 6 | 4 53 | 10 51 | 0s 1 | 25 10 | 2 0 | 24 31 | 1 28 | 2 8 | 1 16 | 0 31 | 2 22 | 23 28 | 0 17 | 5 35 | 2 4 | 35 55 | 13 10 | 23 33 | 23 26 | 16 17 | | n.a. |
| S 18 | 15 19 | 18 4 | 4 32 | 11 31 | 0 7 | 25 18 | 2 0 | 24 25 | 1 27 | 2 3 | 1 16 | 0 29 | 2 22 | 23 28 | 0 17 | 5 34 | 2 4 | 35 56 | 13 10 | 23 34 | 23 27 | 16 19 | | n.a. |
| S 19 | 15 38 | 21 20 | 3 58 | 12 10 | 0 14 | 25 26 | 2 1 | 24 18 | 1 26 | 1 59 | 1 16 | 0 27 | 2 22 | 23 28 | 0 17 | 5 34 | 2 4 | 35 56 | 13 11 | 23 35 | 23 27 | 16 21 | | n.a. |
| M20 | 15 57 | 23 41 | 3 14 | 12 49 | 0 21 | 25 32 | 2 1 | 24 12 | 1 25 | 1 54 | 1 17 | 0 24 | 2 23 | 23 28 | 0 17 | 5 33 | 2 4 | 35 57 | 13 11 | 23 36 | 23 27 | 16 23 | | n.a. |
| T 21 | 16 16 | 24 59 | 2 21 | 13 28 | 0 27 | 25 38 | 2 2 | 24 5 | 1 24 | 1 50 | 1 17 | 0 22 | 2 23 | 23 27 | 0 18 | 5 33 | 2 4 | 35 57 | 13 12 | 23 36 | 23 27 | 16 25 | | n.a. |
| W22 | 16 35 | 25 7 | 1 20 | 14 6 | 0 33 | 25 43 | 2 2 | 23 58 | 1 23 | 1 45 | 1 17 | 0 20 | 2 23 | 23 27 | 0 18 | 5 32 | 2 4 | 35 58 | 13 12 | 23 36 | 23 28 | 16 27 | | n.a. |
| T 23 | 16 53 | 24 2 | 0 16 | 14 43 | 0 40 | 25 47 | 2 2 | 23 51 | 1 22 | 1 41 | 1 17 | 0 17 | 2 23 | 23 27 | 0 18 | 5 32 | 2 4 | 35 58 | 13 12 | 23 36 | 23 28 | 16 30 | | n.a. |
| F 24 | 17 11 | 21 46 | 0n51 | 15 20 | 0 46 | 25 51 | 2 2 | 23 43 | 1 21 | 1 36 | 1 17 | 0 15 | 2 23 | 23 27 | 0 18 | 5 31 | 2 4 | 35 59 | 13 13 | 23 36 | 23 28 | 16 32 | | n.a. |
| S 25 | 17 29 | 18 23 | 1 57 | 15 57 | 0 52 | 25 54 | 2 2 | 23 36 | 1 20 | 1 32 | 1 17 | 0 13 | 2 23 | 23 27 | 0 18 | 5 31 | 2 4 | 36 0 | 13 13 | 23 36 | 23 29 | 16 34 | | n.a. |
| S 26 | 17 46 | 14 2 | 2 58 | 16 32 | 0 57 | 25 55 | 2 2 | 23 28 | 1 19 | 1 28 | 1 17 | 0 11 | 2 23 | 23 26 | 0 18 | 5 30 | 2 4 | 36 0 | 13 14 | 23 36 | 23 29 | 16 36 | | n.a. |
| M27 | 18 3 | 8 53 | 3 52 | 17 7 | 1 3 | 25 57 | 2 2 | 23 20 | 1 18 | 1 24 | 1 17 | 0 9 | 2 23 | 23 26 | 0 18 | 5 30 | 2 4 | 36 1 | 13 14 | 23 36 | 23 29 | 16 38 | | n.a. |
| T 28 | 18 20 | 3 10 | 4 34 | 17 42 | 1 8 | 25 57 | 2 2 | 23 12 | 1 17 | 1 19 | 1 17 | 0 7 | 2 24 | 23 26 | 0 18 | 5 29 | 2 4 | 36 1 | 13 15 | 23 36 | 23 29 | 16 40 | | n.a. |
| W29 | 18 36 | 2n54 | 5 0 | 18 16 | 1 14 | 25 56 | 2 1 | 23 3 | 1 16 | 1 15 | 1 18 | 0 5 | 2 24 | 23 26 | 0 18 | 5 29 | 2 4 | 36 2 | 13 15 | 23 37 | 23 30 | 16 42 | | n.a. |
| T 30 | 18s52 | 8n58 | 5n 8 | 18s48 | 1s19 | 25s55 | 2s 1 | 22s55 | 1s15 | 1n11 | 1n18 | 0n 2 | 2n24 | 23n25 | 0n18 | 5n28 | 2n 4 | 36n 2 | 13n15 | 23s37 | 23s30 | 16s45 | | n.a. |

Julian Day Number = 993784.5, Delta T = 12h59m20s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'20, Lahiri = -31°25'20 Julian Calendar 1 Nov. 1993 BCE == Greg. Calendar 15 Oct. 1993 BCE


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# ASTRODIENST EPHEMERIS for the year 1993 BCE
# geocentric

## DECEMBER 1993 BCE (-1992) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 32 59 | 23♏54'45 | 25♈35 | 19♏39 | 3♉ 4 | 25♉ 3 | 0♎10 | 5♎24 | 15°R35 | 21♍11 | 16°R23 | 8°R48 | 10♉28 | 1♏41 | n.a. | F 1 |
| S 2 | 3 36 55 | 24°55'56 | 10♉48 | 21°17 | 4°16 | 25°46 | 0°21 | 5°30 | 15♊33 | 21°13 | 16♋22 | 8♉40 | 10°25 | 1°47 | n.a. | S 2 |
| S 3 | 3 40 52 | 25°57'07 | 26° 1 | 22°55 | 5°28 | 26°29 | 0°31 | 5°35 | 15°31 | 21°14 | 16°21 | 8°34 | 10°22 | 1°54 | n.a. | S 3 |
| M 4 | 3 44 48 | 26°58'17 | 11♊ 4 | 24°34 | 6°40 | 27°12 | 0°41 | 5°40 | 15°28 | 21°15 | 16°20 | 8°30 | 10°18 | 2° 1 | n.a. | M 4 |
| T 5 | 3 48 45 | 27°59'26 | 25°48 | 26°13 | 7°52 | 27°55 | 0°51 | 5°45 | 15°26 | 21°16 | 16°19 | 8°27 | 10°15 | 2° 7 | n.a. | T 5 |
| W 6 | 3 52 41 | 29° 0'35 | 10♋ 8 | 27°53 | 9° 3 | 28°38 | 1° 1 | 5°51 | 15°23 | 21°17 | 16°18 | 8°D26 | 10°12 | 2°14 | n.a. | W 6 |
| T 7 | 3 56 38 | 0♐ 1'43 | 23°59 | 29°33 | 10°15 | 29°21 | 1°11 | 5°56 | 15°21 | 21°18 | 16°17 | 8°27 | 10° 9 | 2°21 | n.a. | T 7 |
| F 8 | 4 0 35 | 1° 2'50 | 7♌22 | 1♐14 | 11°26 | 0♒ 4 | 1°20 | 6° 1 | 15°18 | 21°19 | 16°16 | 8°29 | 10° 6 | 2°28 | n.a. | F 8 |
| S 9 | 4 4 31 | 2° 3'56 | 20°19 | 2°56 | 12°37 | 0°47 | 1°30 | 6° 5 | 15°16 | 21°20 | 16°15 | 8°30 | 10° 2 | 2°34 | n.a. | S 9 |
| S 10 | 4 8 28 | 3° 5'01 | 2♍54 | 4°38 | 13°49 | 1°29 | 1°39 | 6°10 | 15°13 | 21°21 | 16°14 | 8°R31 | 9°59 | 2°41 | n.a. | S 10 |
| M11 | 4 12 24 | 4° 6'05 | 15°12 | 6°21 | 15° 0 | 2°12 | 1°49 | 6°15 | 15°11 | 21°22 | 16°13 | 8°30 | 9°56 | 2°48 | n.a. | M11 |
| T 12 | 4 16 21 | 5° 7'09 | 27°16 | 8° 4 | 16°11 | 2°55 | 1°58 | 6°20 | 15° 8 | 21°23 | 16°12 | 8°28 | 9°53 | 2°54 | n.a. | T 12 |
| W13 | 4 20 17 | 6° 8'12 | 9♎12 | 9°48 | 17°22 | 3°38 | 2° 7 | 6°24 | 15° 5 | 21°24 | 16°11 | 8°24 | 9°50 | 3° 1 | n.a. | W13 |
| T 14 | 4 24 14 | 7° 9'13 | 21° 4 | 11°33 | 18°33 | 4°21 | 2°16 | 6°29 | 15° 3 | 21°25 | 16°10 | 8°19 | 9°47 | 3° 8 | n.a. | T 14 |
| F 15 | 4 28 11 | 8°10'14 | 2♏54 | 13°18 | 19°43 | 5° 3 | 2°25 | 6°33 | 15° 0 | 21°26 | 16° 9 | 8°13 | 9°43 | 3°15 | n.a. | F 15 |
| S 16 | 4 32 7 | 9°11'14 | 14°46 | 15° 3 | 20°54 | 5°46 | 2°34 | 6°38 | 14°58 | 21°27 | 16° 8 | 8° 8 | 9°40 | 3°21 | n.a. | S 16 |
| S 17 | 4 36 4 | 10°12'12 | 26°43 | 16°49 | 22° 4 | 6°29 | 2°42 | 6°42 | 14°55 | 21°28 | 16° 7 | 8° 3 | 9°37 | 3°28 | n.a. | S 17 |
| M18 | 4 40 0 | 11°13'09 | 8♐45 | 18°35 | 23°15 | 7°11 | 2°51 | 6°46 | 14°52 | 21°28 | 16° 6 | 7°59 | 9°34 | 3°35 | n.a. | M18 |
| T 19 | 4 43 57 | 12°14'05 | 20°54 | 20°22 | 24°25 | 7°54 | 2°59 | 6°51 | 14°50 | 21°29 | 16° 4 | 7°56 | 9°31 | 3°41 | n.a. | T 19 |
| W20 | 4 47 53 | 13°14'59 | 3♑13 | 22° 9 | 25°35 | 8°37 | 3° 8 | 6°55 | 14°47 | 21°30 | 16° 3 | 7°D55 | 9°28 | 3°48 | n.a. | W20 |
| T 21 | 4 51 50 | 14°15'52 | 15°41 | 23°55 | 26°45 | 9°19 | 3°16 | 6°59 | 14°45 | 21°30 | 16° 2 | 7°55 | 9°24 | 3°55 | n.a. | T 21 |
| F 22 | 4 55 46 | 15°16'44 | 28°21 | 25°42 | 27°54 | 10° 2 | 3°24 | 7° 3 | 14°42 | 21°31 | 16° 1 | 7°56 | 9°21 | 4° 2 | n.a. | F 22 |
| S 23 | 4 59 43 | 16°17'33 | 11♒15 | 27°29 | 29° 4 | 10°44 | 3°32 | 7° 6 | 14°39 | 21°32 | 15°59 | 7°58 | 9°18 | 4° 8 | n.a. | S 23 |
| S 24 | 5 3 40 | 17°18'21 | 24°24 | 29°15 | 0♒14 | 11°27 | 3°39 | 7°10 | 14°37 | 21°32 | 15°58 | 7°59 | 9°15 | 4°15 | n.a. | S 24 |
| M25 | 5 7 36 | 18°19'07 | 7♓50 | 1♑ 0 | 1°23 | 12° 9 | 3°47 | 7°14 | 14°34 | 21°33 | 15°57 | 8° 0 | 9°12 | 4°22 | n.a. | M25 |
| T 26 | 5 11 33 | 19°19'50 | 21°36 | 2°44 | 2°32 | 12°52 | 3°54 | 7°18 | 14°31 | 21°33 | 15°55 | 8°R 1 | 9° 8 | 4°28 | n.a. | T 26 |
| W27 | 5 15 29 | 20°20'32 | 5♈40 | 4°27 | 3°41 | 13°34 | 4° 2 | 7°21 | 14°29 | 21°34 | 15°54 | 8° 0 | 9° 5 | 4°35 | n.a. | W27 |
| T 28 | 5 19 26 | 21°21'12 | 20° 2 | 6° 8 | 4°50 | 14°16 | 4° 9 | 7°24 | 14°26 | 21°34 | 15°53 | 7°59 | 9° 2 | 4°42 | n.a. | T 28 |
| F 29 | 5 23 22 | 22°21'50 | 4♉39 | 7°47 | 5°58 | 14°59 | 4°16 | 7°28 | 14°24 | 21°34 | 15°51 | 7°57 | 8°59 | 4°49 | n.a. | F 29 |
| S 30 | 5 27 19 | 23°22'27 | 19°27 | 9°23 | 7° 7 | 15°41 | 4°23 | 7°31 | 14°21 | 21°35 | 15°50 | 7°55 | 8°56 | 4°55 | n.a. | S 30 |
| S 31 | 5 31 16 | 24♐23'01 | 4♊17 | 10♑56 | 8♒15 | 16♒23 | 4♎29 | 7♎34 | 14♊18 | 21♍35 | 15♋48 | 7♑53 | 8♑53 | 5♏ 2 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 19s 8 | 14n39 | 4n55 | 19s20 | 1s24 | 25s53 | 2s 0 | 22s46 | 1s14 | 1n 7 | 1n18 | 0n 0 | 2n24 | 23n25 | 0n18 | 5n28 | 2n 4 | 36n 3 | 13n16 | 23s38 | 23s30 | 16s47 | | n.a. |
| S 2 | 19 23 | 19 29 | 4 21 | 19 52 | 1 28 | 25 51 | 1 59 | 22 37 | 1 13 | 1 3 | 1 18 | 0s 2 | 2 24 | 23 25 | 0 18 | 5 27 | 2 5 | 36 3 | 13 16 | 23 38 | 23 30 | 16 49 | | n.a. |
| S 3 | 19 38 | 23 2 | 3 29 | 20 22 | 1 32 | 25 47 | 1 59 | 22 28 | 1 12 | 0 59 | 1 18 | 0 4 | 2 24 | 23 25 | 0 18 | 5 27 | 2 5 | 36 4 | 13 17 | 23 38 | 23 31 | 16 51 | | n.a. |
| M 4 | 19 53 | 24 55 | 2 23 | 20 51 | 1 37 | 25 43 | 1 58 | 22 18 | 1 11 | 0 55 | 1 18 | 0 6 | 2 25 | 23 24 | 0 18 | 5 26 | 2 5 | 36 4 | 13 17 | 23 39 | 23 31 | 16 53 | | n.a. |
| T 5 | 20 7 | 24 59 | 1 8 | 21 19 | 1 40 | 25 38 | 1 57 | 22 8 | 1 10 | 0 51 | 1 18 | 0 8 | 2 25 | 23 24 | 0 18 | 5 26 | 2 5 | 36 5 | 13 17 | 23 39 | 23 31 | 16 55 | | n.a. |
| W 6 | 20 21 | 23 23 | 0s 9 | 21 46 | 1 44 | 25 32 | 1 56 | 21 59 | 1 9 | 0 47 | 1 19 | 0 9 | 2 25 | 23 24 | 0 18 | 5 26 | 2 5 | 36 5 | 13 18 | 23 39 | 23 31 | 16 57 | | n.a. |
| T 7 | 20 34 | 20 23 | 1 24 | 22 12 | 1 47 | 25 25 | 1 55 | 21 49 | 1 8 | 0 43 | 1 19 | 0 11 | 2 25 | 23 24 | 0 18 | 5 25 | 2 5 | 36 6 | 13 18 | 23 39 | 23 32 | 16 59 | | n.a. |
| F 8 | 20 47 | 16 22 | 2 31 | 22 37 | 1 50 | 25 18 | 1 53 | 21 38 | 1 7 | 0 39 | 1 19 | 0 13 | 2 25 | 23 23 | 0 18 | 5 25 | 2 5 | 36 6 | 13 18 | 23 39 | 23 32 | 17 1 | | n.a. |
| S 9 | 21 0 | 11 43 | 3 28 | 23 0 | 1 53 | 25 10 | 1 52 | 21 28 | 1 6 | 0 36 | 1 19 | 0 15 | 2 25 | 23 23 | 0 18 | 5 24 | 2 5 | 36 7 | 13 19 | 23 39 | 23 32 | 17 3 | | n.a. |
| S 10 | 21 12 | 6 42 | 4 14 | 23 22 | 1 55 | 25 1 | 1 50 | 21 18 | 1 5 | 0 32 | 1 19 | 0 17 | 2 26 | 23 23 | 0 18 | 5 24 | 2 5 | 36 7 | 13 19 | 23 39 | 23 32 | 17 6 | | n.a. |
| M11 | 21 24 | 1 33 | 4 47 | 23 43 | 1 57 | 24 52 | 1 49 | 21 7 | 1 4 | 0 28 | 1 19 | 0 19 | 2 26 | 23 23 | 0 18 | 5 24 | 2 5 | 36 8 | 13 20 | 23 39 | 23 33 | 17 8 | | n.a. |
| T 12 | 21 35 | 3s33 | 5 6 | 24 2 | 1 58 | 24 42 | 1 47 | 20 56 | 1 4 | 0 25 | 1 19 | 0 20 | 2 26 | 23 22 | 0 18 | 5 23 | 2 5 | 36 8 | 13 20 | 23 39 | 23 33 | 17 10 | | n.a. |
| W13 | 21 46 | 8 28 | 5 12 | 24 20 | 1 59 | 24 31 | 1 45 | 20 45 | 1 3 | 0 21 | 1 20 | 0 22 | 2 26 | 23 22 | 0 18 | 5 23 | 2 5 | 36 9 | 13 20 | 23 39 | 23 33 | 17 12 | | n.a. |
| T 14 | 21 57 | 13 3 | 5 4 | 24 36 | 2 0 | 24 19 | 1 43 | 20 34 | 1 2 | 0 18 | 1 20 | 0 24 | 2 26 | 23 22 | 0 18 | 5 23 | 2 5 | 36 9 | 13 21 | 23 39 | 23 33 | 17 14 | | n.a. |
| F 15 | 22 7 | 17 9 | 4 44 | 24 50 | 2 0 | 24 7 | 1 41 | 20 22 | 1 1 | 0 14 | 1 20 | 0 25 | 2 26 | 23 21 | 0 18 | 5 23 | 2 5 | 36 10 | 13 21 | 23 40 | 23 34 | 17 16 | | n.a. |
| S 16 | 22 16 | 20 35 | 4 11 | 25 3 | 1 59 | 23 54 | 1 39 | 20 11 | 1 0 | 0 11 | 1 20 | 0 27 | 2 27 | 23 21 | 0 18 | 5 22 | 2 5 | 36 10 | 13 21 | 23 40 | 23 34 | 17 18 | | n.a. |
| S 17 | 22 26 | 23 10 | 3 27 | 25 13 | 1 59 | 23 40 | 1 37 | 19 59 | 0 59 | 0 7 | 1 20 | 0 28 | 2 27 | 23 21 | 0 18 | 5 22 | 2 6 | 36 11 | 13 22 | 23 40 | 23 34 | 17 20 | | n.a. |
| M18 | 22 35 | 24 44 | 2 33 | 25 22 | 1 57 | 23 26 | 1 35 | 19 47 | 0 58 | 0 4 | 1 20 | 0 30 | 2 27 | 23 21 | 0 18 | 5 22 | 2 6 | 36 11 | 13 22 | 23 41 | 23 34 | 17 22 | | n.a. |
| T 19 | 22 43 | 25 8 | 1 32 | 25 29 | 1 55 | 23 11 | 1 32 | 19 35 | 0 57 | 0 1 | 1 21 | 0 31 | 2 27 | 23 20 | 0 18 | 5 22 | 2 6 | 36 11 | 13 22 | 23 41 | 23 34 | 17 24 | | n.a. |
| W20 | 22 51 | 24 19 | 0 26 | 25 33 | 1 53 | 22 56 | 1 30 | 19 23 | 0 56 | 0s 2 | 1 21 | 0 33 | 2 27 | 23 20 | 0 18 | 5 21 | 2 6 | 36 12 | 13 23 | 23 41 | 23 35 | 17 26 | | n.a. |
| T 21 | 22 58 | 22 16 | 0n43 | 25 36 | 1 49 | 22 39 | 1 27 | 19 10 | 0 55 | 0 5 | 1 21 | 0 34 | 2 28 | 23 20 | 0 18 | 5 21 | 2 6 | 36 12 | 13 23 | 23 41 | 23 35 | 17 28 | | n.a. |
| F 22 | 23 5 | 19 7 | 1 50 | 25 36 | 1 45 | 22 23 | 1 25 | 18 58 | 0 54 | 0 8 | 1 21 | 0 36 | 2 28 | 23 19 | 0 18 | 5 21 | 2 6 | 36 13 | 13 23 | 23 41 | 23 35 | 17 30 | | n.a. |
| S 23 | 23 12 | 14 59 | 2 53 | 25 35 | 1 41 | 22 5 | 1 22 | 18 45 | 0 53 | 0 11 | 1 21 | 0 37 | 2 28 | 23 19 | 0 18 | 5 21 | 2 6 | 36 13 | 13 23 | 23 41 | 23 35 | 17 32 | | n.a. |
| S 24 | 23 18 | 10 4 | 3 49 | 25 31 | 1 35 | 21 48 | 1 19 | 18 32 | 0 53 | 0 14 | 1 21 | 0 38 | 2 28 | 23 19 | 0 18 | 5 21 | 2 6 | 36 14 | 13 24 | 23 41 | 23 36 | 17 34 | | n.a. |
| M25 | 23 24 | 4 35 | 4 33 | 25 25 | 1 29 | 21 29 | 1 16 | 18 19 | 0 52 | 0 17 | 1 22 | 0 40 | 2 28 | 23 19 | 0 18 | 5 21 | 2 6 | 36 14 | 13 24 | 23 41 | 23 36 | 17 36 | | n.a. |
| T 26 | 23 29 | 1n14 | 5 3 | 25 16 | 1 23 | 21 10 | 1 13 | 18 6 | 0 51 | 0 20 | 1 22 | 0 41 | 2 29 | 23 18 | 0 18 | 5 20 | 2 6 | 36 15 | 13 24 | 23 41 | 23 36 | 17 38 | | n.a. |
| W27 | 23 34 | 7 6 | 5 15 | 25 6 | 1 15 | 20 51 | 1 9 | 17 53 | 0 50 | 0 23 | 1 22 | 0 42 | 2 29 | 23 18 | 0 18 | 5 20 | 2 6 | 36 15 | 13 24 | 23 41 | 23 36 | 17 40 | | n.a. |
| T 28 | 23 38 | 12 44 | 5 9 | 24 53 | 1 6 | 20 31 | 1 6 | 17 40 | 0 49 | 0 26 | 1 22 | 0 43 | 2 29 | 23 18 | 0 18 | 5 20 | 2 6 | 36 16 | 13 25 | 23 41 | 23 37 | 17 42 | | n.a. |
| F 29 | 23 42 | 17 45 | 4 42 | 24 38 | 0 57 | 20 10 | 1 3 | 17 26 | 0 48 | 0 28 | 1 22 | 0 45 | 2 29 | 23 17 | 0 18 | 5 20 | 2 6 | 36 16 | 13 25 | 23 41 | 23 37 | 17 44 | | n.a. |
| S 30 | 23 45 | 21 44 | 3 57 | 24 22 | 0 47 | 19 49 | 0 59 | 17 12 | 0 47 | 0 31 | 1 22 | 0 46 | 2 29 | 23 17 | 0 18 | 5 20 | 2 6 | 36 16 | 13 25 | 23 41 | 23 37 | 17 46 | | n.a. |
| S 31 | 23s48 | 24n18 | 2n55 | 24s 3 | 0s36 | 19s28 | 0s56 | 16s59 | 0s46 | 0s34 | 1n23 | 0s47 | 2n30 | 23n17 | 0n18 | 5n20 | 2n 7 | 36n17 | 13n25 | 23s41 | 23s37 | 17s48 | | n.a. |

Julian Day Number = 993814.5, Delta T = 12h59m18s
Ecliptic obliquity = 23°55'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'16, Lahiri = -31°25'16 Julian Calendar 1 Dec. 1993 BCE == Greg. Calendar 14 Nov. 1993 BCE

The year -1992 astronomical counting style corresponds to year 1993 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## JANUARY 1992 BCE (-1991) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 35 12 | 25♐23'34 | 19♊ 3 | 12♑26 | 9♒23 | 17♒ 6 | 4♎36 | 7♎37 | 14°R16 | 21♍35 | 15°R47 | 7°R52 | 8♑49 | 5♏ 9 | n.a. | M 1 |
| T 2 | 5 39 9 | 26°24'04 | 3♋37 | 13°50 | 10°31 | 17°48 | 4°42 | 7°40 | 14♊13 | 21°36 | 15♋45 | 7°D51 | 8°46 | 5°15 | n.a. | T 2 |
| W 3 | 5 43 5 | 27°24'33 | 17°52 | 15°10 | 11°39 | 18°30 | 4°49 | 7°43 | 14°11 | 21°36 | 15°44 | 7♑51 | 8°43 | 5°22 | n.a. | W 3 |
| T 4 | 5 47 2 | 28°25'00 | 1♌45 | 16°24 | 12°46 | 19°12 | 4°55 | 7°46 | 14° 8 | 21°36 | 15°43 | 7°52 | 8°40 | 5°29 | n.a. | T 4 |
| F 5 | 5 50 58 | 29°25'26 | 15°14 | 17°32 | 13°54 | 19°54 | 5° 1 | 7°49 | 14° 6 | 21°36 | 15°41 | 7°53 | 8°37 | 5°36 | n.a. | F 5 |
| S 6 | 5 54 55 | 0♑25'50 | 28°18 | 18°32 | 15° 1 | 20°36 | 5° 7 | 7°51 | 14° 3 | 21°36 | 15°40 | 7°54 | 8°34 | 5°42 | n.a. | S 6 |
| S 7 | 5 58 51 | 1°26'12 | 11♍ 0 | 19°25 | 16° 7 | 21°18 | 5°12 | 7°54 | 14° 1 | 21°36 | 15°38 | 7°54 | 8°30 | 5°49 | n.a. | S 7 |
| M 8 | 6 2 48 | 2°26'32 | 23°23 | 20° 9 | 17°14 | 22° 0 | 5°18 | 7°56 | 13°58 | 21°36 | 15°37 | 7°55 | 8°27 | 5°56 | n.a. | M 8 |
| T 9 | 6 6 45 | 3°26'51 | 5♎31 | 20°45 | 18°20 | 22°42 | 5°23 | 7°59 | 13°56 | 21°R36 | 15°35 | 7°R55 | 8°24 | 6° 2 | n.a. | T 9 |
| W10 | 6 10 41 | 4°27'08 | 17°28 | 21°11 | 19°26 | 23°24 | 5°28 | 8° 1 | 13°53 | 21°36 | 15°34 | 7°55 | 8°21 | 6° 9 | n.a. | W10 |
| T 11 | 6 14 38 | 5°27'24 | 29°20 | 21°27 | 20°32 | 24° 6 | 5°33 | 8° 3 | 13°51 | 21°36 | 15°32 | 7°54 | 8°18 | 6°16 | n.a. | T 11 |
| F 12 | 6 18 34 | 6°27'37 | 11♏11 | 21°R34 | 21°38 | 24°48 | 5°38 | 8° 5 | 13°49 | 21°36 | 15°31 | 7°54 | 8°14 | 6°22 | n.a. | F 12 |
| S 13 | 6 22 31 | 7°27'49 | 23° 5 | 21°31 | 22°43 | 25°30 | 5°43 | 8° 7 | 13°46 | 21°36 | 15°29 | 7°D54 | 8°11 | 6°29 | n.a. | S 13 |
| S 14 | 6 26 27 | 8°27'59 | 5♐ 5 | 21°19 | 23°48 | 26°12 | 5°47 | 8° 9 | 13°44 | 21°36 | 15°27 | 7°54 | 8° 8 | 6°36 | n.a. | S 14 |
| M15 | 6 30 24 | 9°28'08 | 17°15 | 20°57 | 24°53 | 26°54 | 5°52 | 8°11 | 13°42 | 21°36 | 15°26 | 7°54 | 8° 5 | 6°43 | n.a. | M15 |
| T 16 | 6 34 20 | 10°28'14 | 29°36 | 20°27 | 25°58 | 27°36 | 5°56 | 8°13 | 13°39 | 21°35 | 15°24 | 7°54 | 8° 2 | 6°49 | n.a. | T 16 |
| W17 | 6 38 17 | 11°28'18 | 12♑10 | 19°48 | 27° 2 | 28°17 | 6° 0 | 8°14 | 13°37 | 21°35 | 15°23 | 7°R54 | 7°59 | 6°56 | n.a. | W17 |
| T 18 | 6 42 14 | 12°28'21 | 24°59 | 19° 3 | 28° 6 | 28°59 | 6° 4 | 8°16 | 13°35 | 21°35 | 15°21 | 7°54 | 7°55 | 7° 3 | n.a. | T 18 |
| F 19 | 6 46 10 | 13°28'21 | 8♒ 1 | 18°12 | 29° 9 | 29°41 | 6° 8 | 8°17 | 13°33 | 21°34 | 15°20 | 7°54 | 7°52 | 7° 9 | n.a. | F 19 |
| S 20 | 6 50 7 | 14°28'18 | 21°17 | 17°17 | 0♓13 | 0♓22 | 6°11 | 8°18 | 13°31 | 21°34 | 15°18 | 7°53 | 7°49 | 7°16 | n.a. | S 20 |
| S 21 | 6 54 3 | 15°28'14 | 4♓46 | 16°19 | 1°16 | 1° 4 | 6°14 | 8°20 | 13°28 | 21°34 | 15°17 | 7°52 | 7°46 | 7°23 | n.a. | S 21 |
| M22 | 6 58 0 | 16°28'07 | 18°28 | 15°19 | 2°18 | 1°46 | 6°17 | 8°21 | 13°26 | 21°33 | 15°15 | 7°51 | 7°43 | 7°30 | n.a. | M22 |
| T 23 | 7 1 56 | 17°27'57 | 2♈21 | 14°18 | 3°20 | 2°27 | 6°20 | 8°22 | 13°24 | 21°33 | 15°13 | 7°50 | 7°40 | 7°36 | n.a. | T 23 |
| W24 | 7 5 53 | 18°27'45 | 16°24 | 13°19 | 4°22 | 3° 9 | 6°23 | 8°23 | 13°22 | 21°32 | 15°12 | 7°D50 | 7°36 | 7°43 | n.a. | W24 |
| T 25 | 7 9 49 | 19°27'31 | 0♉35 | 12°22 | 5°24 | 3°50 | 6°26 | 8°23 | 13°20 | 21°32 | 15°10 | 7°50 | 7°33 | 7°50 | n.a. | T 25 |
| F 26 | 7 13 46 | 20°27'14 | 14°52 | 11°28 | 6°25 | 4°31 | 6°28 | 8°24 | 13°18 | 21°31 | 15° 9 | 7°51 | 7°30 | 7°56 | n.a. | F 26 |
| S 27 | 7 17 42 | 21°26'55 | 29°13 | 10°39 | 7°26 | 5°13 | 6°30 | 8°25 | 13°16 | 21°31 | 15° 7 | 7°52 | 7°27 | 8° 3 | n.a. | S 27 |
| S 28 | 7 21 39 | 22°26'34 | 13♊35 | 9°55 | 8°26 | 5°54 | 6°32 | 8°25 | 13°15 | 21°30 | 15° 6 | 7°53 | 7°24 | 8°10 | n.a. | S 28 |
| M29 | 7 25 36 | 23°26'10 | 27°52 | 9°16 | 9°26 | 6°36 | 6°34 | 8°26 | 13°13 | 21°29 | 15° 4 | 7°54 | 7°20 | 8°16 | n.a. | M29 |
| T 30 | 7 29 32 | 24°25'44 | 12♋ 1 | 8°43 | 10°25 | 7°17 | 6°36 | 8°26 | 13°11 | 21°29 | 15° 3 | 7°R54 | 7°17 | 8°23 | n.a. | T 30 |
| W31 | 7 33 29 | 25♑25'15 | 25♋58 | 8♑16 | 11♓24 | 7♓58 | 6♎37 | 8♎26 | 13♊ 9 | 21♍28 | 15♋ 1 | 7♑53 | 7♑14 | 8♏30 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 23 s50 | 25n10 | 1n42 | 23 s43 | 0 s24 | 19 s 6 | 0 s52 | 16 s45 | 0 s45 | 0 s36 | 1n23 | 0 s48 | 2n30 | 23n16 | 0n18 | 5n20 | 2n 7 | 36n17 | 13n26 | 23 s41 | 23 s37 | 17 s50 | | | n.a. |
| T 2 | 23 52 | 24 16 | 0 24 | 23 22 | 0 11 | 18 43 | 0 48 | 16 31 | 0 45 | 0 38 | 1 23 | 0 49 | 2 30 | 23 16 | 0 18 | 5 20 | 2 7 | 36 18 | 13 26 | 23 41 | 23 38 | 17 52 | | | n.a. |
| W 3 | 23 54 | 21 47 | 0 s55 | 23 0 | 0n 3 | 18 21 | 0 44 | 16 17 | 0 44 | 0 41 | 1 23 | 0 50 | 2 30 | 23 16 | 0 18 | 5 20 | 2 7 | 36 18 | 13 26 | 23 41 | 23 38 | 17 54 | | | n.a. |
| T 4 | 23 55 | 18 5 | 2 9 | 22 37 | 0 17 | 17 57 | 0 40 | 16 2 | 0 43 | 0 43 | 1 23 | 0 51 | 2 31 | 23 16 | 0 18 | 5 20 | 2 7 | 36 18 | 13 26 | 23 41 | 23 38 | 17 56 | | | n.a. |
| F 5 | 23 55 | 13 32 | 3 13 | 22 13 | 0 32 | 17 34 | 0 36 | 15 48 | 0 42 | 0 45 | 1 24 | 0 52 | 2 31 | 23 15 | 0 18 | 5 20 | 2 7 | 36 19 | 13 27 | 23 41 | 23 38 | 17 58 | | | n.a. |
| S 6 | 23 55 | 8 29 | 4 5 | 21 50 | 0 47 | 17 10 | 0 32 | 15 34 | 0 41 | 0 48 | 1 24 | 0 52 | 2 31 | 23 15 | 0 18 | 5 20 | 2 7 | 36 19 | 13 27 | 23 41 | 23 38 | 18 0 | | | n.a. |
| S 7 | 23 55 | 3 14 | 4 43 | 21 27 | 1 3 | 16 46 | 0 27 | 15 19 | 0 40 | 0 50 | 1 24 | 0 53 | 2 31 | 23 15 | 0 18 | 5 20 | 2 7 | 36 20 | 13 27 | 23 41 | 23 39 | 18 2 | | | n.a. |
| M 8 | 23 54 | 2 s 0 | 5 7 | 21 4 | 1 19 | 16 21 | 0 23 | 15 5 | 0 39 | 0 52 | 1 24 | 0 54 | 2 32 | 23 14 | 0 18 | 5 20 | 2 7 | 36 20 | 13 27 | 23 41 | 23 39 | 18 3 | | | n.a. |
| T 9 | 23 53 | 7 4 | 5 17 | 20 42 | 1 36 | 15 56 | 0 19 | 14 50 | 0 39 | 0 54 | 1 24 | 0 55 | 2 32 | 23 14 | 0 18 | 5 20 | 2 7 | 36 20 | 13 27 | 23 41 | 23 39 | 18 5 | | | n.a. |
| W10 | 23 51 | 11 47 | 5 13 | 20 22 | 1 53 | 15 31 | 0 14 | 14 35 | 0 38 | 0 56 | 1 25 | 0 55 | 2 32 | 23 14 | 0 18 | 5 20 | 2 7 | 36 21 | 13 27 | 23 41 | 23 39 | 18 7 | | | n.a. |
| T 11 | 23 48 | 16 3 | 4 55 | 20 3 | 2 9 | 15 5 | 0 9 | 14 20 | 0 37 | 0 57 | 1 25 | 0 56 | 2 32 | 23 13 | 0 18 | 5 20 | 2 7 | 36 21 | 13 28 | 23 41 | 23 39 | 18 9 | | | n.a. |
| F 12 | 23 46 | 19 41 | 4 25 | 19 46 | 2 25 | 14 39 | 0 5 | 14 5 | 0 36 | 0 59 | 1 25 | 0 57 | 2 32 | 23 13 | 0 18 | 5 20 | 2 7 | 36 21 | 13 28 | 23 41 | 23 40 | 18 11 | | | n.a. |
| S 13 | 23 42 | 22 31 | 3 44 | 19 31 | 2 40 | 14 13 | 0n 0 | 13 50 | 0 35 | 1 1 | 1 25 | 0 57 | 2 33 | 23 13 | 0 18 | 5 21 | 2 8 | 36 22 | 13 28 | 23 41 | 23 40 | 18 13 | | | n.a. |
| S 14 | 23 39 | 24 24 | 2 52 | 19 19 | 2 55 | 13 46 | 0 5 | 13 35 | 0 34 | 1 3 | 1 25 | 0 58 | 2 33 | 23 13 | 0 18 | 5 21 | 2 8 | 36 22 | 13 28 | 23 41 | 23 40 | 18 15 | | | n.a. |
| M15 | 23 35 | 25 10 | 1 52 | 19 9 | 3 9 | 13 20 | 0 10 | 13 19 | 0 34 | 1 4 | 1 26 | 0 58 | 2 33 | 23 12 | 0 18 | 5 21 | 2 8 | 36 22 | 13 28 | 23 41 | 23 40 | 18 17 | | | n.a. |
| T 16 | 23 30 | 24 41 | 0 46 | 19 1 | 3 21 | 12 53 | 0 15 | 13 4 | 0 33 | 1 6 | 1 26 | 0 59 | 2 33 | 23 12 | 0 18 | 5 21 | 2 8 | 36 23 | 13 28 | 23 41 | 23 40 | 18 19 | | | n.a. |
| W17 | 23 25 | 22 58 | 0n24 | 18 56 | 3 32 | 12 26 | 0 21 | 12 48 | 0 32 | 1 7 | 1 26 | 0 59 | 2 34 | 23 12 | 0 18 | 5 21 | 2 8 | 36 23 | 13 28 | 23 41 | 23 41 | 18 21 | | | n.a. |
| T 18 | 23 19 | 20 2 | 1 33 | 18 54 | 3 41 | 11 58 | 0 26 | 12 33 | 0 31 | 1 8 | 1 26 | 1 0 | 2 34 | 23 11 | 0 18 | 5 21 | 2 8 | 36 23 | 13 28 | 23 41 | 23 41 | 18 22 | | | n.a. |
| F 19 | 23 14 | 16 4 | 2 39 | 18 54 | 3 48 | 11 31 | 0 31 | 12 17 | 0 30 | 1 10 | 1 27 | 1 0 | 2 34 | 23 11 | 0 18 | 5 22 | 2 8 | 36 24 | 13 29 | 23 41 | 23 41 | 18 24 | | | n.a. |
| S 20 | 23 7 | 11 15 | 3 38 | 18 56 | 3 53 | 11 3 | 0 37 | 12 1 | 0 30 | 1 11 | 1 27 | 1 0 | 2 34 | 23 11 | 0 18 | 5 22 | 2 8 | 36 24 | 13 29 | 23 41 | 23 41 | 18 26 | | | n.a. |
| S 21 | 23 0 | 5 50 | 4 26 | 19 0 | 3 56 | 10 35 | 0 42 | 11 46 | 0 29 | 1 12 | 1 27 | 1 0 | 2 35 | 23 11 | 0 18 | 5 22 | 2 8 | 36 24 | 13 29 | 23 41 | 23 41 | 18 28 | | | n.a. |
| M22 | 22 53 | 0 5 | 4 59 | 19 6 | 3 57 | 10 7 | 0 48 | 11 30 | 0 28 | 1 13 | 1 27 | 1 1 | 2 35 | 23 10 | 0 18 | 5 22 | 2 8 | 36 24 | 13 29 | 23 41 | 23 42 | 18 30 | | | n.a. |
| T 23 | 22 45 | 5n45 | 5 15 | 19 14 | 3 56 | 9 39 | 0 53 | 11 14 | 0 27 | 1 14 | 1 27 | 1 1 | 2 35 | 23 10 | 0 18 | 5 22 | 2 8 | 36 25 | 13 29 | 23 41 | 23 42 | 18 32 | | | n.a. |
| W24 | 22 37 | 11 22 | 5 13 | 19 23 | 3 53 | 9 11 | 0 59 | 10 58 | 0 26 | 1 15 | 1 28 | 1 1 | 2 35 | 23 10 | 0 18 | 5 23 | 2 8 | 36 25 | 13 29 | 23 41 | 23 42 | 18 34 | | | n.a. |
| T 25 | 22 29 | 16 27 | 4 52 | 19 33 | 3 48 | 8 43 | 1 5 | 10 42 | 0 26 | 1 16 | 1 28 | 1 1 | 2 36 | 23 10 | 0 18 | 5 23 | 2 8 | 36 25 | 13 29 | 23 41 | 23 42 | 18 36 | | | n.a. |
| F 26 | 22 20 | 20 39 | 4 13 | 19 45 | 3 41 | 8 15 | 1 11 | 10 26 | 0 25 | 1 17 | 1 28 | 1 1 | 2 36 | 23 9 | 0 18 | 5 23 | 2 8 | 36 25 | 13 29 | 23 41 | 23 42 | 18 37 | | | n.a. |
| S 27 | 22 10 | 23 36 | 3 18 | 19 57 | 3 33 | 7 46 | 1 17 | 10 9 | 0 24 | 1 17 | 1 28 | 1 1 | 2 36 | 23 9 | 0 18 | 5 24 | 2 9 | 36 26 | 13 29 | 23 41 | 23 43 | 18 39 | | | n.a. |
| S 28 | 22 1 | 25 3 | 2 11 | 20 10 | 3 23 | 7 18 | 1 23 | 9 53 | 0 23 | 1 18 | 1 28 | 1 1 | 2 36 | 23 9 | 0 18 | 5 24 | 2 9 | 36 26 | 13 29 | 23 41 | 23 43 | 18 41 | | | n.a. |
| M29 | 21 51 | 24 50 | 0 55 | 20 24 | 3 12 | 6 50 | 1 29 | 9 37 | 0 22 | 1 18 | 1 29 | 1 1 | 2 36 | 23 9 | 0 18 | 5 24 | 2 9 | 36 26 | 13 29 | 23 41 | 23 43 | 18 43 | | | n.a. |
| T 30 | 21 40 | 22 59 | 0 s23 | 20 38 | 3 1 | 6 21 | 1 35 | 9 21 | 0 22 | 1 19 | 1 29 | 1 1 | 2 37 | 23 8 | 0 18 | 5 24 | 2 9 | 36 26 | 13 29 | 23 41 | 23 43 | 18 45 | | | n.a. |
| W31 | 21 s29 | 19n46 | 1 s38 | 20 s52 | 2n48 | 5 s53 | 1n41 | 9 s 4 | 0 s21 | 1 s19 | 1n29 | 1 s 1 | 2n37 | 23n 8 | 0n18 | 5n25 | 2n 9 | 36n27 | 13n29 | 23 s41 | 23 s43 | 18 s46 | | | n.a. |

Julian Day Number = 993845.5, Delta T = 12h59m16s
Ecliptic obliquity = 23°55'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'12, Lahiri = -31°25'12 Julian Calendar 1 Jan. 1992 BCE == Greg. Calendar 15 Dec. 1993 BCE


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## FEBRUARY 1992 BCE (-1991) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 37 25 | 26♉24'44 | 9♌39 | 7°R56 | 12♓22 | 8♓39 | 6♎39 | 8♎26 | 13°R 7 | 21°R27 | 15°R 0 | 7°R52 | 7♉11 | 8♏37 | n.a. | T 1 |
| F 2 | 7 41 22 | 27°24'11 | 23° 2 | 7♉41 | 13°20 | 9°21 | 6°40 | 8°R26 | 13♊ 6 | 21♍27 | 14♋58 | 7♉49 | 7° 8 | 8°43 | n.a. | F 2 |
| S 3 | 7 45 18 | 28°23'36 | 6♍ 4 | 7°34 | 14°18 | 10° 2 | 6°41 | 8°26 | 13° 4 | 21°26 | 14°57 | 7°46 | 7° 5 | 8°50 | n.a. | S 3 |
| S 4 | 7 49 15 | 29°22'58 | 18°47 | 7°D32 | 15°15 | 10°43 | 6°41 | 8°26 | 13° 3 | 21°25 | 14°55 | 7°43 | 7° 1 | 8°57 | n.a. | S 4 |
| M 5 | 7 53 11 | 0♒22'19 | 1♎13 | 7°36 | 16°11 | 11°24 | 6°42 | 8°26 | 13° 1 | 21°24 | 14°54 | 7°40 | 6°58 | 9° 3 | n.a. | M 5 |
| T 6 | 7 57 8 | 1°21'38 | 13°23 | 7°45 | 17° 7 | 12° 5 | 6°42 | 8°25 | 13° 0 | 21°23 | 14°52 | 7°38 | 6°55 | 9°10 | n.a. | T 6 |
| W 7 | 8 1 4 | 2°20'55 | 25°23 | 8° 0 | 18° 2 | 12°46 | 6°R43 | 8°25 | 12°58 | 21°22 | 14°51 | 7°36 | 6°52 | 9°17 | n.a. | W 7 |
| T 8 | 8 5 1 | 3°20'10 | 7♏16 | 8°20 | 18°57 | 13°27 | 6°43 | 8°24 | 12°57 | 21°21 | 14°49 | 7°D36 | 6°49 | 9°24 | n.a. | T 8 |
| F 9 | 8 8 58 | 4°19'22 | 19° 7 | 8°45 | 19°51 | 14° 8 | 6°42 | 8°24 | 12°55 | 21°20 | 14°48 | 7°37 | 6°46 | 9°30 | n.a. | F 9 |
| S 10 | 8 12 54 | 5°18'33 | 1♐ 2 | 9°14 | 20°44 | 14°49 | 6°42 | 8°23 | 12°54 | 21°20 | 14°46 | 7°39 | 6°42 | 9°37 | n.a. | S 10 |
| S 11 | 8 16 51 | 6°17'42 | 13° 4 | 9°48 | 21°37 | 15°30 | 6°41 | 8°22 | 12°53 | 21°19 | 14°45 | 7°40 | 6°39 | 9°44 | n.a. | S 11 |
| M12 | 8 20 47 | 7°16'50 | 25°19 | 10°26 | 22°29 | 16°11 | 6°41 | 8°21 | 12°52 | 21°17 | 14°43 | 7°42 | 6°36 | 9°50 | n.a. | M12 |
| T 13 | 8 24 44 | 8°15'55 | 7♑49 | 11° 8 | 23°20 | 16°51 | 6°40 | 8°20 | 12°50 | 21°16 | 14°42 | 7°R42 | 6°33 | 9°57 | n.a. | T 13 |
| W14 | 8 28 40 | 9°14'57 | 20°37 | 11°53 | 24°11 | 17°32 | 6°38 | 8°19 | 12°49 | 21°15 | 14°41 | 7°42 | 6°30 | 10° 4 | n.a. | W14 |
| T 15 | 8 32 37 | 10°13'58 | 3♒45 | 12°42 | 25° 1 | 18°13 | 6°37 | 8°18 | 12°48 | 21°14 | 14°39 | 7°39 | 6°26 | 10°10 | n.a. | T 15 |
| F 16 | 8 36 33 | 11°12'57 | 17°11 | 13°34 | 25°50 | 18°54 | 6°36 | 8°16 | 12°47 | 21°13 | 14°38 | 7°35 | 6°23 | 10°17 | n.a. | F 16 |
| S 17 | 8 40 30 | 12°11'53 | 0♓54 | 14°30 | 26°38 | 19°34 | 6°34 | 8°15 | 12°46 | 21°12 | 14°36 | 7°30 | 6°20 | 10°24 | n.a. | S 17 |
| S 18 | 8 44 27 | 13°10'47 | 14°50 | 15°28 | 27°26 | 20°15 | 6°32 | 8°13 | 12°45 | 21°11 | 14°35 | 7°25 | 6°17 | 10°31 | n.a. | S 18 |
| M19 | 8 48 23 | 14° 9'39 | 28°57 | 16°29 | 28°12 | 20°56 | 6°30 | 8°12 | 12°44 | 21°10 | 14°34 | 7°19 | 6°14 | 10°37 | n.a. | M19 |
| T 20 | 8 52 20 | 15° 8'28 | 13♈10 | 17°32 | 28°58 | 21°36 | 6°28 | 8°10 | 12°44 | 21° 8 | 14°32 | 7°15 | 6°11 | 10°44 | n.a. | T 20 |
| W21 | 8 56 16 | 16° 7'15 | 27°24 | 18°38 | 29°43 | 22°17 | 6°25 | 8° 8 | 12°43 | 21° 7 | 14°31 | 7°12 | 6° 7 | 10°51 | n.a. | W21 |
| T 22 | 9 0 13 | 17° 5'59 | 11♉37 | 19°47 | 0♈26 | 22°57 | 6°23 | 8° 6 | 12°42 | 21° 6 | 14°30 | 7°D10 | 6° 4 | 10°57 | n.a. | T 22 |
| F 23 | 9 4 9 | 18° 4'41 | 25°47 | 20°58 | 1° 9 | 23°38 | 6°20 | 8° 4 | 12°41 | 21° 5 | 14°29 | 7°10 | 6° 1 | 11° 4 | n.a. | F 23 |
| S 24 | 9 8 6 | 19° 3'21 | 9♊51 | 22°11 | 1°51 | 24°18 | 6°17 | 8° 2 | 12°41 | 21° 3 | 14°27 | 7°11 | 5°58 | 11°11 | n.a. | S 24 |
| S 25 | 9 12 2 | 20° 1'58 | 23°49 | 23°26 | 2°31 | 24°59 | 6°14 | 8° 0 | 12°40 | 21° 2 | 14°26 | 7°13 | 5°55 | 11°17 | n.a. | S 25 |
| M26 | 9 15 59 | 21° 0'33 | 7♋40 | 24°43 | 3°10 | 25°39 | 6°10 | 7°58 | 12°40 | 21° 1 | 14°25 | 7°R13 | 5°51 | 11°24 | n.a. | M26 |
| T 27 | 9 19 55 | 21°59'05 | 21°21 | 26° 2 | 3°49 | 26°20 | 6° 7 | 7°56 | 12°39 | 20°59 | 14°24 | 7°12 | 5°48 | 11°31 | n.a. | T 27 |
| W28 | 9 23 52 | 22♒57'35 | 4♌53 | 27♉24 | 4♈25 | 27♓ 0 | 6♎ 3 | 7♎53 | 12♊39 | 20♍58 | 14♋23 | 7♉ 9 | 5♉45 | 11♏38 | n.a. | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 21s18 | 15n31 | 2s46 | 21s 6 | 2n35 | 5s24 | 1n47 | 8s48 | 0s20 | 1s20 | 1n29 | 1s 1 | 2n37 | 23n 8 | 0n18 | 5n25 | 2n 9 | 36n27 | 13n29 | 23s41 | 23s43 | 18s48 | | n.a. | T 1 |
| F 2 | 21 6 | 10 36 | 3 44 | 21 20 | 2 22 | 4 56 | 1 53 | 8 31 | 0 19 | 1 20 | 1 30 | 1 1 | 2 37 | 23 8 | 0 18 | 5 26 | 2 9 | 36 27 | 13 29 | 23 41 | 23 44 | 18 50 | | n.a. | F 2 |
| S 3 | 20 54 | 5 20 | 4 28 | 21 34 | 2 8 | 4 28 | 2 0 | 8 15 | 0 19 | 1 20 | 1 30 | 1 0 | 2 38 | 23 8 | 0 18 | 5 26 | 2 9 | 36 27 | 13 29 | 23 41 | 23 44 | 18 52 | | n.a. | S 3 |
| S 4 | 20 42 | 0s 2 | 4 58 | 21 48 | 1 55 | 4 0 | 2 6 | 7 58 | 0 18 | 1 20 | 1 30 | 1 0 | 2 38 | 23 7 | 0 18 | 5 26 | 2 9 | 36 27 | 13 29 | 23 42 | 23 44 | 18 54 | | n.a. | S 4 |
| M 5 | 20 29 | 5 15 | 5 13 | 22 1 | 1 41 | 3 32 | 2 13 | 7 42 | 0 17 | 1 20 | 1 30 | 1 0 | 2 38 | 23 7 | 0 18 | 5 27 | 2 9 | 36 27 | 13 29 | 23 42 | 23 44 | 18 55 | | n.a. | M 5 |
| T 6 | 20 16 | 10 10 | 5 13 | 22 14 | 1 27 | 3 4 | 2 19 | 7 25 | 0 16 | 1 20 | 1 30 | 0 59 | 2 38 | 23 7 | 0 18 | 5 27 | 2 9 | 36 28 | 13 29 | 23 42 | 23 44 | 18 57 | | n.a. | T 6 |
| W 7 | 20 2 | 14 38 | 5 0 | 22 27 | 1 14 | 2 36 | 2 26 | 7 8 | 0 16 | 1 20 | 1 31 | 0 59 | 2 39 | 23 7 | 0 18 | 5 28 | 2 9 | 36 28 | 13 29 | 23 42 | 23 44 | 18 59 | | n.a. | W 7 |
| T 8 | 19 48 | 18 30 | 4 33 | 22 39 | 1 0 | 2 8 | 2 32 | 6 52 | 0 15 | 1 20 | 1 31 | 0 58 | 2 39 | 23 7 | 0 18 | 5 28 | 2 9 | 36 28 | 13 29 | 23 42 | 23 45 | 19 1 | | n.a. | T 8 |
| F 9 | 19 34 | 21 38 | 3 56 | 22 50 | 0 47 | 1 40 | 2 39 | 6 35 | 0 14 | 1 20 | 1 31 | 0 58 | 2 39 | 23 6 | 0 18 | 5 28 | 2 9 | 36 28 | 13 29 | 23 42 | 23 45 | 19 3 | | n.a. | F 9 |
| S 10 | 19 19 | 23 50 | 3 8 | 23 1 | 0 35 | 1 13 | 2 46 | 6 18 | 0 13 | 1 19 | 1 31 | 0 57 | 2 39 | 23 6 | 0 18 | 5 29 | 2 9 | 36 28 | 13 29 | 23 42 | 23 45 | 19 4 | | n.a. | S 10 |
| S 11 | 19 5 | 25 0 | 2 11 | 23 11 | 0 22 | 0 46 | 2 52 | 6 1 | 0 13 | 1 19 | 1 31 | 0 57 | 2 39 | 23 6 | 0 18 | 5 29 | 2 9 | 36 28 | 13 29 | 23 42 | 23 45 | 19 6 | | n.a. | S 11 |
| M12 | 18 49 | 24 58 | 1 7 | 23 20 | 0 10 | 0 19 | 2 59 | 5 45 | 0 12 | 1 18 | 1 32 | 0 56 | 2 40 | 23 6 | 0 18 | 5 30 | 2 9 | 36 28 | 13 29 | 23 42 | 23 45 | 19 8 | | n.a. | M12 |
| T 13 | 18 34 | 23 41 | 0n 1 | 23 28 | 0s 2 | 0n 8 | 3 6 | 5 28 | 0 11 | 1 18 | 1 32 | 0 56 | 2 40 | 23 6 | 0 18 | 5 30 | 2 10 | 36 28 | 13 28 | 23 42 | 23 45 | 19 10 | | n.a. | T 13 |
| W14 | 18 18 | 21 9 | 1 10 | 23 35 | 0 13 | 0 35 | 3 12 | 5 11 | 0 11 | 1 17 | 1 32 | 0 55 | 2 40 | 23 6 | 0 18 | 5 31 | 2 10 | 36 28 | 13 28 | 23 42 | 23 46 | 19 11 | | n.a. | W14 |
| T 15 | 18 2 | 17 29 | 2 17 | 23 42 | 0 24 | 1 1 | 3 19 | 4 54 | 0 10 | 1 16 | 1 32 | 0 54 | 2 40 | 23 6 | 0 18 | 5 31 | 2 10 | 36 28 | 13 28 | 23 42 | 23 46 | 19 13 | | n.a. | T 15 |
| F 16 | 17 46 | 12 51 | 3 19 | 23 47 | 0 34 | 1 27 | 3 26 | 4 37 | 0 9 | 1 16 | 1 32 | 0 54 | 2 41 | 23 5 | 0 18 | 5 32 | 2 10 | 36 29 | 13 28 | 23 42 | 23 46 | 19 15 | | n.a. | F 16 |
| S 17 | 17 29 | 7 29 | 4 10 | 23 51 | 0 44 | 1 53 | 3 33 | 4 20 | 0 8 | 1 15 | 1 33 | 0 53 | 2 41 | 23 5 | 0 18 | 5 32 | 2 10 | 36 29 | 13 28 | 23 42 | 23 46 | 19 16 | | n.a. | S 17 |
| S 18 | 17 12 | 1 41 | 4 47 | 23 53 | 0 53 | 2 18 | 3 40 | 4 3 | 0 8 | 1 14 | 1 33 | 0 52 | 2 41 | 23 5 | 0 18 | 5 33 | 2 10 | 36 29 | 13 28 | 23 43 | 23 46 | 19 18 | | n.a. | S 18 |
| M19 | 16 55 | 4n15 | 5 7 | 23 55 | 1 2 | 2 43 | 3 46 | 3 46 | 0 7 | 1 13 | 1 33 | 0 51 | 2 41 | 23 5 | 0 18 | 5 33 | 2 10 | 36 29 | 13 28 | 23 43 | 23 46 | 19 20 | | n.a. | M19 |
| T 20 | 16 37 | 10 1 | 5 9 | 23 55 | 1 11 | 3 8 | 3 53 | 3 29 | 0 6 | 1 12 | 1 33 | 0 50 | 2 41 | 23 5 | 0 18 | 5 34 | 2 10 | 36 29 | 13 28 | 23 43 | 23 47 | 19 22 | | n.a. | T 20 |
| W21 | 16 19 | 15 16 | 4 52 | 23 54 | 1 19 | 3 32 | 4 0 | 3 12 | 0 6 | 1 11 | 1 33 | 0 49 | 2 42 | 23 5 | 0 18 | 5 34 | 2 10 | 36 29 | 13 27 | 23 43 | 23 47 | 19 23 | | n.a. | W21 |
| T 22 | 16 1 | 19 41 | 4 16 | 23 52 | 1 27 | 3 56 | 4 7 | 2 55 | 0 5 | 1 9 | 1 33 | 0 48 | 2 42 | 23 5 | 0 18 | 5 35 | 2 10 | 36 29 | 13 27 | 23 44 | 23 47 | 19 25 | | n.a. | T 22 |
| F 23 | 15 43 | 22 55 | 3 26 | 23 48 | 1 34 | 4 20 | 4 13 | 2 39 | 0 4 | 1 8 | 1 34 | 0 48 | 2 42 | 23 5 | 0 18 | 5 35 | 2 10 | 36 29 | 13 27 | 23 44 | 23 47 | 19 27 | | n.a. | F 23 |
| S 24 | 15 25 | 24 44 | 2 23 | 23 42 | 1 40 | 4 43 | 4 20 | 2 22 | 0 4 | 1 7 | 1 34 | 0 47 | 2 42 | 23 4 | 0 18 | 5 36 | 2 10 | 36 29 | 13 27 | 23 43 | 23 47 | 19 28 | | n.a. | S 24 |
| S 25 | 15 6 | 24 59 | 1 12 | 23 36 | 1 47 | 5 5 | 4 27 | 2 5 | 0 3 | 1 5 | 1 34 | 0 45 | 2 42 | 23 4 | 0 18 | 5 37 | 2 10 | 36 29 | 13 27 | 23 43 | 23 47 | 19 30 | | n.a. | S 25 |
| M26 | 14 47 | 23 39 | 0s 2 | 23 27 | 1 52 | 5 27 | 4 34 | 1 48 | 0 2 | 1 4 | 1 34 | 0 44 | 2 43 | 23 4 | 0 18 | 5 37 | 2 10 | 36 29 | 13 27 | 23 43 | 23 47 | 19 32 | | n.a. | M26 |
| T 27 | 14 28 | 20 57 | 1 16 | 23 17 | 1 57 | 5 49 | 4 40 | 1 31 | 0 2 | 1 2 | 1 34 | 0 43 | 2 43 | 23 4 | 0 18 | 5 38 | 2 10 | 36 29 | 13 26 | 23 43 | 23 48 | 19 33 | | n.a. | T 27 |
| W28 | 14s 8 | 17n 6 | 2s24 | 23s 6 | 2s 2 | 6n10 | 4n47 | 1s14 | 0s 1 | 1s 1 | 1n34 | 0s42 | 2n43 | 23n 4 | 0n18 | 5n38 | 2n10 | 36n29 | 13n26 | 23s44 | 23s48 | 19s35 | | n.a. | W28 |

Julian Day Number = 993876.5, Delta T = 12h59m14s
Ecliptic obliquity = 23°55'25, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'08, Lahiri = -31°25'07 Julian Calendar 1 Feb. 1992 BCE == Greg. Calendar 15 Jan. 1992 BCE


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## MARCH 1992 BCE (-1991) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 27 49 | 23♒56'03 | 18♌12 | 28♉47 | 5♈ 1 | 27♓40 | 5°R59 | 7°R51 | 12°R38 | 20°R57 | 14°R22 | 7°R 4 | 5♉42 | 11♏44 | n.a. | T 1 |
| F 2 | 9 31 45 | 24°54'29 | 1♍18 | 0♒12 | 5°35 | 28°20 | 5♎55 | 7♎48 | 12♊38 | 20♍55 | 14♋20 | 6♉57 | 5°39 | 11°51 | n.a. | F 2 |
| S 3 | 9 35 42 | 25°52'53 | 14°10 | 1°39 | 6° 8 | 29° 1 | 5°51 | 7°46 | 12°38 | 20°54 | 14°19 | 6°49 | 5°36 | 11°58 | n.a. | S 3 |
| S 4 | 9 39 38 | 26°51'15 | 26°46 | 3° 7 | 6°39 | 29°41 | 5°47 | 7°43 | 12°38 | 20°52 | 14°18 | 6°40 | 5°32 | 12° 4 | n.a. | S 4 |
| M 5 | 9 43 35 | 27°49'35 | 9♎ 8 | 4°38 | 7° 9 | 0♈21 | 5°42 | 7°40 | 12°38 | 20°51 | 14°17 | 6°31 | 5°29 | 12°11 | n.a. | M 5 |
| T 6 | 9 47 31 | 28°47'53 | 21°17 | 6°10 | 7°38 | 1° 1 | 5°38 | 7°37 | 12°38 | 20°49 | 14°16 | 6°24 | 5°26 | 12°18 | n.a. | T 6 |
| W 7 | 9 51 28 | 29°46'09 | 3♏16 | 7°44 | 8° 5 | 1°41 | 5°33 | 7°34 | 12°D37 | 20°48 | 14°15 | 6°18 | 5°23 | 12°24 | n.a. | W 7 |
| T 8 | 9 55 24 | 0♓44'24 | 15° 8 | 9°20 | 8°30 | 2°21 | 5°28 | 7°31 | 12°38 | 20°46 | 14°14 | 6°14 | 5°20 | 12°31 | n.a. | T 8 |
| F 9 | 9 59 21 | 1°42'37 | 26°59 | 10°57 | 8°53 | 3° 1 | 5°23 | 7°28 | 12°38 | 20°45 | 14°13 | 6°D13 | 5°17 | 12°38 | n.a. | F 9 |
| S 10 | 10 3 17 | 2°40'48 | 8♐53 | 12°36 | 9°15 | 3°41 | 5°18 | 7°25 | 12°38 | 20°43 | 14°12 | 6°13 | 5°13 | 12°44 | n.a. | S 10 |
| S 11 | 10 7 14 | 3°38'58 | 20°55 | 14°17 | 9°34 | 4°21 | 5°12 | 7°22 | 12°38 | 20°42 | 14°11 | 6°14 | 5°10 | 12°51 | n.a. | S 11 |
| M12 | 10 11 11 | 4°37'06 | 3♑11 | 16° 0 | 9°52 | 5° 1 | 5° 7 | 7°19 | 12°38 | 20°40 | 14°11 | 6°R15 | 5° 7 | 12°58 | n.a. | M12 |
| T 13 | 10 15 7 | 5°35'12 | 15°45 | 17°45 | 10° 8 | 5°41 | 5° 1 | 7°15 | 12°38 | 20°39 | 14°10 | 6°14 | 5° 4 | 13° 5 | n.a. | T 13 |
| W14 | 10 19 4 | 6°33'17 | 28°41 | 19°31 | 10°22 | 6°21 | 4°55 | 7°12 | 12°39 | 20°37 | 14° 9 | 6°12 | 5° 1 | 13°11 | n.a. | W14 |
| T 15 | 10 23 0 | 7°31'20 | 12♒ 1 | 21°19 | 10°34 | 7° 1 | 4°50 | 7° 8 | 12°39 | 20°36 | 14° 8 | 6° 7 | 4°57 | 13°18 | n.a. | T 15 |
| F 16 | 10 26 57 | 8°29'21 | 25°45 | 23° 8 | 10°44 | 7°41 | 4°44 | 7° 5 | 12°40 | 20°34 | 14° 7 | 6° 0 | 4°54 | 13°25 | n.a. | F 16 |
| S 17 | 10 30 53 | 9°27'21 | 9♓51 | 25° 0 | 10°51 | 8°21 | 4°37 | 7° 1 | 12°40 | 20°33 | 14° 6 | 5°51 | 4°51 | 13°31 | n.a. | S 17 |
| S 18 | 10 34 50 | 10°25'19 | 24°14 | 26°53 | 10°57 | 9° 1 | 4°31 | 6°57 | 12°41 | 20°31 | 14° 6 | 5°41 | 4°48 | 13°38 | n.a. | S 18 |
| M19 | 10 38 46 | 11°23'15 | 8♈48 | 28°48 | 11° 0 | 9°40 | 4°25 | 6°54 | 12°41 | 20°29 | 14° 5 | 5°31 | 4°45 | 13°45 | n.a. | M19 |
| T 20 | 10 42 43 | 12°21'09 | 23°26 | 0♓45 | 11°R 0 | 10°20 | 4°18 | 6°50 | 12°42 | 20°28 | 14° 4 | 5°23 | 4°42 | 13°51 | n.a. | T 20 |
| W21 | 10 46 39 | 13°19'01 | 8♉ 1 | 2°43 | 10°59 | 11° 0 | 4°12 | 6°46 | 12°43 | 20°26 | 14° 4 | 5°16 | 4°38 | 13°58 | n.a. | W21 |
| T 22 | 10 50 36 | 14°16'51 | 22°28 | 4°43 | 10°55 | 11°39 | 4° 5 | 6°42 | 12°43 | 20°25 | 14° 3 | 5°12 | 4°35 | 14° 5 | n.a. | T 22 |
| F 23 | 10 54 33 | 15°14'39 | 6♊42 | 6°45 | 10°48 | 12°19 | 3°58 | 6°38 | 12°44 | 20°23 | 14° 3 | 5°11 | 4°32 | 14°12 | n.a. | F 23 |
| S 24 | 10 58 29 | 16°12'26 | 20°42 | 8°48 | 10°39 | 12°59 | 3°51 | 6°35 | 12°45 | 20°21 | 14° 2 | 5°D10 | 4°29 | 14°18 | n.a. | S 24 |
| S 25 | 11 2 26 | 17°10'10 | 4♋28 | 10°53 | 10°28 | 13°38 | 3°44 | 6°31 | 12°46 | 20°20 | 14° 1 | 5°R11 | 4°26 | 14°25 | n.a. | S 25 |
| M26 | 11 6 22 | 18° 7'53 | 18° 1 | 12°59 | 10°14 | 14°18 | 3°37 | 6°27 | 12°47 | 20°18 | 14° 1 | 5°10 | 4°23 | 14°32 | n.a. | M26 |
| T 27 | 11 10 19 | 19° 5'34 | 1♌21 | 15° 6 | 9°57 | 14°57 | 3°30 | 6°22 | 12°48 | 20°16 | 14° 0 | 5° 8 | 4°19 | 14°38 | n.a. | T 27 |
| W28 | 11 14 15 | 20° 3'13 | 14°30 | 17°14 | 9°39 | 15°37 | 3°23 | 6°18 | 12°49 | 20°15 | 14° 0 | 5° 3 | 4°16 | 14°45 | n.a. | W28 |
| T 29 | 11 18 12 | 21° 0'50 | 27°27 | 19°24 | 9°18 | 16°16 | 3°16 | 6°14 | 12°50 | 20°13 | 14° 0 | 4°55 | 4°13 | 14°52 | n.a. | T 29 |
| F 30 | 11 22 8 | 21°58'26 | 10♍14 | 21°34 | 8°54 | 16°56 | 3° 8 | 6°10 | 12°52 | 20°12 | 13°59 | 4°45 | 4°10 | 14°58 | n.a. | F 30 |
| S 31 | 11 26 5 | 22♓56'00 | 22♍49 | 23♓44 | 8♈29 | 17♈35 | 3♎ 1 | 6♎ 6 | 12♊53 | 20♍10 | 13♋59 | 4♉32 | 4♉ 7 | 15♏ 5 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 13 s49 | 12n28 | 3 s23 | 22 s53 | 2 s 6 | 6n30 | 4n53 | 0 s57 | 0 s 0 | 0 s59 | 1n35 | 0 s41 | 2n43 | 23n 4 | 0n18 | 5n39 | 2n10 | 36n29 | 13n26 | 23 s44 | 23 s48 | 19 s37 | | | n.a. |
| F 2 | 13 29 | 7 21 | 4 10 | 22 38 | 2 10 | 6 50 | 5 0 | 0 40 | 0n 0 | 0 57 | 1 35 | 0 40 | 2 43 | 23 4 | 0 18 | 5 40 | 2 10 | 36 28 | 13 26 | 23 44 | 23 48 | 19 38 | | | n.a. |
| S 3 | 13 9 | 2 1 | 4 43 | 22 21 | 2 13 | 7 9 | 5 6 | 0 23 | 0 1 | 0 55 | 1 35 | 0 39 | 2 43 | 23 4 | 0 18 | 5 40 | 2 10 | 36 28 | 13 26 | 23 45 | 23 48 | 19 40 | | | n.a. |
| S 4 | 12 49 | 3 s17 | 5 2 | 22 3 | 2 16 | 7 27 | 5 12 | 0 6 | 0 2 | 0 53 | 1 35 | 0 37 | 2 44 | 23 4 | 0 18 | 5 41 | 2 10 | 36 28 | 13 25 | 23 45 | 23 48 | 19 42 | | | n.a. |
| M 5 | 12 28 | 8 22 | 5 6 | 21 43 | 2 18 | 7 45 | 5 19 | 0n11 | 0 2 | 0 52 | 1 35 | 0 36 | 2 44 | 23 4 | 0 18 | 5 41 | 2 10 | 36 28 | 13 25 | 23 46 | 23 48 | 19 43 | | | n.a. |
| T 6 | 12 8 | 13 1 | 4 56 | 21 21 | 2 19 | 8 2 | 5 25 | 0 28 | 0 3 | 0 50 | 1 35 | 0 35 | 2 44 | 23 4 | 0 18 | 5 42 | 2 10 | 36 28 | 13 25 | 23 46 | 23 49 | 19 45 | | | n.a. |
| W 7 | 11 47 | 17 7 | 4 34 | 20 58 | 2 21 | 8 18 | 5 31 | 0 44 | 0 4 | 0 48 | 1 36 | 0 33 | 2 44 | 23 4 | 0 18 | 5 43 | 2 10 | 36 28 | 13 25 | 23 46 | 23 49 | 19 46 | | | n.a. |
| T 8 | 11 26 | 20 30 | 3 59 | 20 33 | 2 21 | 8 34 | 5 36 | 1 1 | 0 4 | 0 45 | 1 36 | 0 32 | 2 44 | 23 4 | 0 18 | 5 43 | 2 11 | 36 28 | 13 25 | 23 46 | 23 49 | 19 48 | | | n.a. |
| F 9 | 11 5 | 23 2 | 3 15 | 20 5 | 2 21 | 8 48 | 5 42 | 1 18 | 0 5 | 0 43 | 1 36 | 0 31 | 2 44 | 23 4 | 0 18 | 5 44 | 2 11 | 36 28 | 13 24 | 23 46 | 23 49 | 19 50 | | | n.a. |
| S 10 | 10 44 | 24 33 | 2 21 | 19 36 | 2 21 | 9 2 | 5 48 | 1 35 | 0 6 | 0 41 | 1 36 | 0 29 | 2 45 | 23 4 | 0 18 | 5 44 | 2 11 | 36 28 | 13 24 | 23 46 | 23 49 | 19 51 | | | n.a. |
| S 11 | 10 22 | 24 57 | 1 21 | 19 6 | 2 19 | 9 15 | 5 53 | 1 52 | 0 6 | 0 39 | 1 36 | 0 28 | 2 45 | 23 4 | 0 18 | 5 45 | 2 11 | 36 28 | 13 24 | 23 46 | 23 49 | 19 53 | | | n.a. |
| M12 | 10 1 | 24 9 | 0 16 | 18 33 | 2 18 | 9 27 | 5 58 | 2 8 | 0 7 | 0 36 | 1 36 | 0 26 | 2 45 | 23 4 | 0 18 | 5 46 | 2 11 | 36 27 | 13 24 | 23 46 | 23 49 | 19 55 | | | n.a. |
| T 13 | 9 39 | 22 8 | 0n51 | 17 58 | 2 16 | 9 38 | 6 3 | 2 25 | 0 8 | 0 34 | 1 36 | 0 25 | 2 45 | 23 4 | 0 18 | 5 46 | 2 11 | 36 27 | 13 23 | 23 46 | 23 49 | 19 56 | | | n.a. |
| W14 | 9 17 | 18 56 | 1 57 | 17 22 | 2 13 | 9 48 | 6 8 | 2 42 | 0 8 | 0 32 | 1 36 | 0 23 | 2 45 | 23 4 | 0 18 | 5 47 | 2 11 | 36 27 | 13 23 | 23 47 | 23 50 | 19 58 | | | n.a. |
| T 15 | 8 55 | 14 41 | 2 59 | 16 43 | 2 10 | 9 57 | 6 12 | 2 58 | 0 9 | 0 29 | 1 36 | 0 22 | 2 45 | 23 4 | 0 18 | 5 48 | 2 11 | 36 27 | 13 23 | 23 47 | 23 50 | 19 59 | | | n.a. |
| F 16 | 8 33 | 9 34 | 3 52 | 16 3 | 2 6 | 10 4 | 6 16 | 3 15 | 0 9 | 0 27 | 1 36 | 0 20 | 2 45 | 23 4 | 0 18 | 5 48 | 2 11 | 36 27 | 13 23 | 23 47 | 23 50 | 20 1 | | | n.a. |
| S 17 | 8 11 | 3 50 | 4 33 | 15 21 | 2 1 | 10 11 | 6 20 | 3 32 | 0 10 | 0 24 | 1 37 | 0 19 | 2 46 | 23 4 | 0 18 | 5 49 | 2 11 | 36 27 | 13 22 | 23 47 | 23 50 | 20 2 | | | n.a. |
| S 18 | 7 49 | 2n12 | 4 57 | 14 37 | 1 56 | 10 16 | 6 24 | 3 48 | 0 11 | 0 21 | 1 37 | 0 17 | 2 46 | 23 4 | 0 18 | 5 50 | 2 11 | 36 26 | 13 22 | 23 48 | 23 50 | 20 4 | | | n.a. |
| M19 | 7 26 | 8 10 | 5 2 | 13 51 | 1 51 | 10 20 | 6 27 | 4 5 | 0 11 | 0 19 | 1 37 | 0 16 | 2 46 | 23 4 | 0 18 | 5 50 | 2 11 | 36 26 | 13 22 | 23 48 | 23 50 | 20 6 | | | n.a. |
| T 20 | 7 4 | 13 44 | 4 48 | 13 4 | 1 45 | 10 23 | 6 30 | 4 21 | 0 12 | 0 16 | 1 37 | 0 14 | 2 46 | 23 5 | 0 18 | 5 51 | 2 11 | 36 26 | 13 22 | 23 49 | 23 50 | 20 7 | | | n.a. |
| W21 | 6 41 | 18 29 | 4 15 | 12 14 | 1 38 | 10 25 | 6 32 | 4 38 | 0 12 | 0 13 | 1 37 | 0 13 | 2 46 | 23 5 | 0 18 | 5 52 | 2 11 | 36 26 | 13 21 | 23 49 | 23 50 | 20 9 | | | n.a. |
| T 22 | 6 18 | 22 4 | 3 26 | 11 23 | 1 31 | 10 25 | 6 34 | 4 54 | 0 13 | 0 11 | 1 37 | 0 11 | 2 46 | 23 5 | 0 18 | 5 52 | 2 11 | 36 26 | 13 21 | 23 49 | 23 51 | 20 10 | | | n.a. |
| F 23 | 5 56 | 24 15 | 2 25 | 10 30 | 1 24 | 10 24 | 6 35 | 5 10 | 0 14 | 0 8 | 1 37 | 0 9 | 2 46 | 23 5 | 0 18 | 5 53 | 2 11 | 36 25 | 13 21 | 23 49 | 23 51 | 20 12 | | | n.a. |
| S 24 | 5 33 | 24 51 | 1 16 | 9 36 | 1 16 | 10 21 | 6 36 | 5 26 | 0 14 | 0 5 | 1 37 | 0 8 | 2 46 | 23 5 | 0 18 | 5 54 | 2 11 | 36 25 | 13 20 | 23 49 | 23 51 | 20 13 | | | n.a. |
| S 25 | 5 10 | 23 55 | 0 4 | 8 40 | 1 7 | 10 17 | 6 37 | 5 43 | 0 15 | 0 2 | 1 37 | 0 6 | 2 46 | 23 5 | 0 18 | 5 54 | 2 11 | 36 25 | 13 20 | 23 49 | 23 51 | 20 15 | | | n.a. |
| M26 | 4 47 | 21 34 | 1 s 8 | 7 43 | 0 58 | 10 11 | 6 37 | 5 59 | 0 15 | 0n 1 | 1 37 | 0 4 | 2 46 | 23 5 | 0 18 | 5 55 | 2 11 | 36 25 | 13 20 | 23 49 | 23 51 | 20 16 | | | n.a. |
| T 27 | 4 24 | 18 5 | 2 14 | 6 44 | 0 49 | 10 4 | 6 36 | 6 15 | 0 16 | 0 3 | 1 37 | 0 2 | 2 46 | 23 5 | 0 18 | 5 56 | 2 11 | 36 24 | 13 19 | 23 49 | 23 51 | 20 18 | | | n.a. |
| W28 | 4 1 | 13 45 | 3 12 | 5 44 | 0 39 | 9 55 | 6 35 | 6 31 | 0 16 | 0 6 | 1 37 | 0 1 | 2 47 | 23 5 | 0 18 | 5 56 | 2 11 | 36 24 | 13 19 | 23 50 | 23 51 | 20 19 | | | n.a. |
| T 29 | 3 38 | 8 52 | 3 59 | 4 43 | 0 29 | 9 45 | 6 33 | 6 47 | 0 17 | 0 9 | 1 37 | 0n 1 | 2 47 | 23 6 | 0 18 | 5 57 | 2 11 | 36 24 | 13 19 | 23 50 | 23 51 | 20 21 | | | n.a. |
| F 30 | 3 15 | 3 40 | 4 34 | 3 42 | 0 19 | 9 33 | 6 30 | 7 3 | 0 18 | 0 12 | 1 37 | 0 3 | 2 47 | 23 6 | 0 18 | 5 58 | 2 11 | 36 24 | 13 19 | 23 50 | 23 51 | 20 22 | | | n.a. |
| S 31 | 2 s52 | 1 s35 | 4 s54 | 2 s40 | 0 s 8 | 9n20 | 6n27 | 7n19 | 0n18 | 0n15 | 1n37 | 0n 4 | 2n47 | 23n 6 | 0n18 | 5n58 | 2n11 | 36n23 | 13n18 | 23 s51 | 23 s52 | 20 s24 | | | n.a. |

Julian Day Number = 993904.5, Delta T = 12h59m12s
Ecliptic obliquity = 23°55'25, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'04, Lahiri = -31°25'04 Julian Calendar 1 March 1992 BCE == Greg. Calendar 12 Feb. 1992 BCE

The year -1991 astronomical counting style corresponds to year 1992 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## APRIL 1992 BCE (-1991) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 30 1 | 23♓53'32 | 5♎13 | 25♓55 | 8°R 1 | 18♈15 | 2°R54 | 6°R 2 | 12♊54 | 20°R 8 | 13°R58 | 4°R19 | 4♑ 3 | 15♏12 | n.a. | S 1 |
| M 2 | 11 33 58 | 24°51'04 | 17°26 | 28° 5 | 7♈32 | 18°54 | 2♎46 | 5♎57 | 12°55 | 20♍ 7 | 13♋58 | 4♑ 6 | 4° 0 | 15°18 | n.a. | M 2 |
| T 3 | 11 37 55 | 25°48'34 | 29°30 | 0♈16 | 7° 1 | 19°33 | 2°39 | 5°53 | 12°57 | 20° 5 | 13°58 | 3°55 | 3°57 | 15°25 | n.a. | T 3 |
| W 4 | 11 41 51 | 26°46'03 | 11♏25 | 2°26 | 6°28 | 20°13 | 2°31 | 5°49 | 12°58 | 20° 3 | 13°58 | 3°46 | 3°54 | 15°32 | n.a. | W 4 |
| T 5 | 11 45 48 | 27°43'30 | 23°16 | 4°34 | 5°54 | 20°52 | 2°24 | 5°44 | 13° 0 | 20° 2 | 13°57 | 3°39 | 3°51 | 15°38 | n.a. | T 5 |
| F 6 | 11 49 44 | 28°40'57 | 5♐ 5 | 6°42 | 5°19 | 21°31 | 2°16 | 5°40 | 13° 1 | 20° 0 | 13°57 | 3°36 | 3°48 | 15°45 | n.a. | F 6 |
| S 7 | 11 53 41 | 29°38'23 | 16°58 | 8°49 | 4°42 | 22°10 | 2° 8 | 5°36 | 13° 3 | 19°59 | 13°57 | 3°34 | 3°44 | 15°52 | n.a. | S 7 |
| S 8 | 11 57 37 | 0♈35'48 | 28°59 | 10°53 | 4° 5 | 22°50 | 2° 1 | 5°31 | 13° 4 | 19°57 | 13°57 | 3°33 | 3°41 | 15°59 | n.a. | S 8 |
| M 9 | 12 1 34 | 1°33'12 | 11♑13 | 12°56 | 3°28 | 23°29 | 1°53 | 5°27 | 13° 6 | 19°55 | 13°57 | 3°33 | 3°38 | 16° 5 | n.a. | M 9 |
| T 10 | 12 5 30 | 2°30'35 | 23°46 | 14°57 | 2°50 | 24° 8 | 1°46 | 5°23 | 13° 8 | 19°54 | 13°57 | 3°33 | 3°35 | 16°12 | n.a. | T 10 |
| W11 | 12 9 27 | 3°27'57 | 6♒43 | 16°56 | 2°12 | 24°47 | 1°38 | 5°18 | 13°10 | 19°52 | 13°57 | 3°30 | 3°32 | 16°19 | n.a. | W11 |
| T 12 | 12 13 24 | 4°25'18 | 20° 6 | 18°52 | 1°34 | 25°26 | 1°30 | 5°14 | 13°11 | 19°51 | 13°D57 | 3°25 | 3°28 | 16°25 | n.a. | T 12 |
| F 13 | 12 17 20 | 5°22'38 | 3♓58 | 20°46 | 0°57 | 26° 6 | 1°23 | 5° 9 | 13°13 | 19°49 | 13°57 | 3°17 | 3°25 | 16°32 | n.a. | F 13 |
| S 14 | 12 21 17 | 6°19'57 | 18°17 | 22°38 | 0°20 | 26°45 | 1°15 | 5° 5 | 13°15 | 19°48 | 13°57 | 3° 7 | 3°22 | 16°39 | n.a. | S 14 |
| S 15 | 12 25 13 | 7°17'16 | 2♈58 | 24°26 | 29♓45 | 27°24 | 1° 8 | 5° 1 | 13°17 | 19°46 | 13°57 | 2°56 | 3°19 | 16°45 | n.a. | S 15 |
| M16 | 12 29 10 | 8°14'33 | 17°53 | 26°13 | 29°10 | 28° 3 | 1° 0 | 4°56 | 13°19 | 19°45 | 13°57 | 2°45 | 3°16 | 16°52 | n.a. | M16 |
| T 17 | 12 33 6 | 9°11'50 | 2♉54 | 27°56 | 28°37 | 28°42 | 0°52 | 4°52 | 13°21 | 19°43 | 13°57 | 2°36 | 3°13 | 16°59 | n.a. | T 17 |
| W18 | 12 37 3 | 10° 9'05 | 17°51 | 29°37 | 28° 5 | 29°21 | 0°45 | 4°48 | 13°23 | 19°42 | 13°57 | 2°28 | 3° 9 | 17° 5 | n.a. | W18 |
| T 19 | 12 40 59 | 11° 6'20 | 2♊35 | 1♉14 | 27°35 | 29°59 | 0°38 | 4°43 | 13°25 | 19°40 | 13°58 | 2°23 | 3° 6 | 17°12 | n.a. | T 19 |
| F 20 | 12 44 56 | 12° 3'33 | 17° 3 | 2°49 | 27° 7 | 0♉39 | 0°30 | 4°39 | 13°28 | 19°39 | 13°58 | 2°21 | 3° 3 | 17°19 | n.a. | F 20 |
| S 21 | 12 48 53 | 13° 0'45 | 1♋ 9 | 4°21 | 26°40 | 1°18 | 0°23 | 4°35 | 13°30 | 19°37 | 13°58 | 2°D20 | 3° 0 | 17°25 | n.a. | S 21 |
| S 22 | 12 52 49 | 13°57'56 | 14°55 | 5°50 | 26°16 | 1°57 | 0°16 | 4°30 | 13°32 | 19°36 | 13°58 | 2°R20 | 2°57 | 17°32 | n.a. | S 22 |
| M23 | 12 56 46 | 14°55'06 | 28°22 | 7°17 | 25°54 | 2°36 | 0° 8 | 4°26 | 13°34 | 19°34 | 13°59 | 2°20 | 2°54 | 17°39 | n.a. | M23 |
| T 24 | 13 0 42 | 15°52'15 | 11♌31 | 8°40 | 25°34 | 3°14 | 0° 1 | 4°22 | 13°37 | 19°33 | 13°59 | 2°18 | 2°50 | 17°46 | n.a. | T 24 |
| W25 | 13 4 39 | 16°49'23 | 24°25 | 10° 0 | 25°16 | 3°53 | 29♍54 | 4°17 | 13°39 | 19°31 | 13°59 | 2°13 | 2°47 | 17°52 | n.a. | W25 |
| T 26 | 13 8 35 | 17°46'31 | 7♍ 6 | 11°18 | 25° 1 | 4°32 | 29°47 | 4°13 | 13°41 | 19°30 | 14° 0 | 2° 5 | 2°44 | 17°59 | n.a. | T 26 |
| F 27 | 13 12 32 | 18°43'37 | 19°35 | 12°32 | 24°48 | 5°11 | 29°40 | 4° 9 | 13°44 | 19°29 | 14° 0 | 1°56 | 2°41 | 18° 6 | n.a. | F 27 |
| S 28 | 13 16 29 | 19°40'42 | 1♎55 | 13°43 | 24°37 | 5°50 | 29°34 | 4° 5 | 13°46 | 19°27 | 14° 1 | 1°44 | 2°38 | 18°12 | n.a. | S 28 |
| S 29 | 13 20 25 | 20°37'47 | 14° 6 | 14°51 | 24°29 | 6°29 | 29°27 | 4° 1 | 13°49 | 19°26 | 14° 1 | 1°32 | 2°34 | 18°19 | n.a. | S 29 |
| M30 | 13 24 22 | 21♈34'52 | 26♎ 9 | 15♉56 | 24♓23 | 7♉ 7 | 29♍20 | 3♎57 | 13♊52 | 19♍25 | 14♋ 2 | 1♑19 | 2♑31 | 18♏26 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s28 | 6s41 | 5s 0 | 1s37 | 0n 2 | 9n 5 | 6n23 | 7n35 | 0n19 | 0n18 | 1n37 | 0n 6 | 2n47 | 23n 6 | 0n18 | 5n59 | 2n11 | 36n23 | 13n18 | 23s51 | 23s52 | 20s25 | | n.a. |
| M 2 | 2 5 | 11 28 | 4 52 | 0 35 | 0 13 | 8 49 | 6 18 | 7 51 | 0 19 | 0 21 | 1 37 | 0 8 | 2 47 | 23 6 | 0 18 | 5 59 | 2 11 | 36 23 | 13 18 | 23 52 | 23 52 | 20 27 | | n.a. |
| T 3 | 1 42 | 15 44 | 4 31 | 0n28 | 0 23 | 8 31 | 6 13 | 8 6 | 0 20 | 0 24 | 1 37 | 0 10 | 2 47 | 23 6 | 0 18 | 6 0 | 2 11 | 36 23 | 13 17 | 23 52 | 23 52 | 20 28 | | n.a. |
| W 4 | 1 19 | 19 20 | 3 59 | 1 30 | 0 34 | 8 13 | 6 7 | 8 22 | 0 20 | 0 27 | 1 37 | 0 11 | 2 47 | 23 7 | 0 18 | 6 1 | 2 11 | 36 22 | 13 17 | 23 52 | 23 52 | 20 30 | | n.a. |
| T 5 | 0 55 | 22 7 | 3 16 | 2 32 | 0 44 | 7 53 | 6 0 | 8 38 | 0 21 | 0 30 | 1 37 | 0 13 | 2 47 | 23 7 | 0 18 | 6 1 | 2 11 | 36 22 | 13 17 | 23 52 | 23 52 | 20 31 | | n.a. |
| F 6 | 0 32 | 23 57 | 2 25 | 3 32 | 0 54 | 7 31 | 5 52 | 8 53 | 0 21 | 0 33 | 1 37 | 0 15 | 2 47 | 23 7 | 0 18 | 6 2 | 2 11 | 36 22 | 13 16 | 23 52 | 23 52 | 20 33 | | n.a. |
| S 7 | 0 9 | 24 42 | 1 27 | 4 32 | 1 4 | 7 9 | 5 44 | 9 9 | 0 22 | 0 36 | 1 37 | 0 17 | 2 47 | 23 7 | 0 18 | 6 3 | 2 11 | 36 21 | 13 16 | 23 52 | 23 52 | 20 34 | | n.a. |
| S 8 | 0n15 | 24 19 | 0 24 | 5 31 | 1 13 | 6 46 | 5 35 | 9 24 | 0 23 | 0 39 | 1 37 | 0 18 | 2 47 | 23 7 | 0 18 | 6 3 | 2 11 | 36 21 | 13 16 | 23 52 | 23 52 | 20 35 | | n.a. |
| M 9 | 0 38 | 22 46 | 0n40 | 6 28 | 1 22 | 6 22 | 5 25 | 9 39 | 0 23 | 0 42 | 1 37 | 0 20 | 2 47 | 23 8 | 0 18 | 6 4 | 2 11 | 36 21 | 13 15 | 23 52 | 23 52 | 20 37 | | n.a. |
| T 10 | 1 1 | 20 4 | 1 45 | 7 24 | 1 31 | 5 57 | 5 15 | 9 55 | 0 24 | 0 45 | 1 37 | 0 22 | 2 47 | 23 8 | 0 18 | 6 5 | 2 11 | 36 21 | 13 15 | 23 53 | 23 52 | 20 38 | | n.a. |
| W11 | 1 24 | 16 18 | 2 46 | 8 18 | 1 39 | 5 32 | 5 4 | 10 10 | 0 24 | 0 48 | 1 36 | 0 24 | 2 47 | 23 8 | 0 18 | 6 5 | 2 11 | 36 20 | 13 15 | 23 53 | 23 53 | 20 40 | | n.a. |
| T 12 | 1 47 | 11 36 | 3 40 | 9 10 | 1 46 | 5 6 | 4 53 | 10 25 | 0 25 | 0 51 | 1 36 | 0 26 | 2 47 | 23 8 | 0 18 | 6 6 | 2 11 | 36 20 | 13 14 | 23 53 | 23 53 | 20 41 | | n.a. |
| F 13 | 2 11 | 6 11 | 4 23 | 10 1 | 1 53 | 4 40 | 4 41 | 10 40 | 0 25 | 0 54 | 1 36 | 0 27 | 2 47 | 23 8 | 0 18 | 6 6 | 2 11 | 36 20 | 13 14 | 23 53 | 23 53 | 20 43 | | n.a. |
| S 14 | 2 34 | 0 17 | 4 51 | 10 49 | 1 59 | 4 14 | 4 29 | 10 55 | 0 26 | 0 57 | 1 36 | 0 29 | 2 47 | 23 9 | 0 18 | 6 7 | 2 11 | 36 19 | 13 14 | 23 53 | 23 53 | 20 44 | | n.a. |
| S 15 | 2 57 | 5n47 | 5 1 | 11 35 | 2 5 | 3 48 | 4 16 | 11 10 | 0 26 | 1 0 | 1 36 | 0 31 | 2 47 | 23 9 | 0 18 | 6 8 | 2 11 | 36 19 | 13 13 | 23 53 | 23 53 | 20 45 | | n.a. |
| M16 | 3 20 | 11 36 | 4 50 | 12 19 | 2 10 | 3 22 | 4 3 | 11 24 | 0 27 | 1 3 | 1 36 | 0 33 | 2 47 | 23 9 | 0 18 | 6 8 | 2 11 | 36 18 | 13 13 | 23 54 | 23 53 | 20 47 | | n.a. |
| T 17 | 3 43 | 16 47 | 4 20 | 13 1 | 2 14 | 2 56 | 3 49 | 11 39 | 0 27 | 1 6 | 1 36 | 0 34 | 2 47 | 23 9 | 0 18 | 6 9 | 2 11 | 36 18 | 13 13 | 23 54 | 23 53 | 20 48 | | n.a. |
| W18 | 4 6 | 20 53 | 3 32 | 13 41 | 2 17 | 2 31 | 3 36 | 11 54 | 0 28 | 1 9 | 1 36 | 0 36 | 2 47 | 23 10 | 0 18 | 6 9 | 2 11 | 36 18 | 13 12 | 23 54 | 23 53 | 20 50 | | n.a. |
| T 19 | 4 29 | 23 33 | 2 30 | 14 19 | 2 20 | 2 6 | 3 22 | 12 8 | 0 28 | 1 12 | 1 36 | 0 38 | 2 47 | 23 10 | 0 18 | 6 10 | 2 11 | 36 17 | 13 12 | 23 54 | 23 53 | 20 51 | | n.a. |
| F 20 | 4 52 | 24 36 | 1 20 | 14 54 | 2 22 | 1 42 | 3 8 | 12 23 | 0 29 | 1 15 | 1 35 | 0 39 | 2 47 | 23 10 | 0 18 | 6 10 | 2 11 | 36 17 | 13 12 | 23 54 | 23 53 | 20 52 | | n.a. |
| S 21 | 5 14 | 24 1 | 0 6 | 15 28 | 2 23 | 1 18 | 2 54 | 12 37 | 0 29 | 1 18 | 1 35 | 0 41 | 2 46 | 23 10 | 0 18 | 6 11 | 2 11 | 36 17 | 13 11 | 23 54 | 23 53 | 20 54 | | n.a. |
| S 22 | 5 37 | 21 58 | 1s 6 | 15 59 | 2 23 | 0 56 | 2 40 | 12 51 | 0 30 | 1 21 | 1 35 | 0 43 | 2 46 | 23 11 | 0 18 | 6 12 | 2 11 | 36 16 | 13 11 | 23 54 | 23 53 | 20 55 | | n.a. |
| M23 | 6 0 | 18 44 | 2 13 | 16 28 | 2 23 | 0 34 | 2 26 | 13 5 | 0 30 | 1 23 | 1 35 | 0 44 | 2 46 | 23 11 | 0 18 | 6 12 | 2 10 | 36 16 | 13 11 | 23 54 | 23 53 | 20 56 | | n.a. |
| T 24 | 6 22 | 14 37 | 3 12 | 16 55 | 2 22 | 0 13 | 2 13 | 13 20 | 0 31 | 1 26 | 1 35 | 0 46 | 2 46 | 23 11 | 0 18 | 6 13 | 2 10 | 36 16 | 13 10 | 23 54 | 23 54 | 20 58 | | n.a. |
| W25 | 6 44 | 9 54 | 3 59 | 17 19 | 2 20 | 0s 6 | 1 59 | 13 33 | 0 31 | 1 29 | 1 35 | 0 48 | 2 46 | 23 12 | 0 18 | 6 13 | 2 10 | 36 15 | 13 10 | 23 54 | 23 54 | 20 59 | | n.a. |
| T 26 | 7 4 | 51 | 4 34 | 17 42 | 2 18 | 0 25 | 1 46 | 13 47 | 0 32 | 1 31 | 1 34 | 0 49 | 2 46 | 23 12 | 0 18 | 6 14 | 2 10 | 36 15 | 13 10 | 23 54 | 23 54 | 21 0 | | n.a. |
| F 27 | 7 29 | 0s18 | 4 55 | 18 2 | 2 14 | 0 42 | 1 32 | 14 1 | 0 32 | 1 34 | 1 34 | 0 51 | 2 46 | 23 12 | 0 18 | 6 14 | 2 10 | 36 14 | 13 9 | 23 55 | 23 54 | 21 2 | | n.a. |
| S 28 | 7 51 | 5 22 | 5 1 | 18 20 | 2 10 | 0 58 | 1 19 | 14 15 | 0 33 | 1 37 | 1 34 | 0 52 | 2 46 | 23 13 | 0 18 | 6 15 | 2 10 | 36 14 | 13 9 | 23 55 | 23 54 | 21 3 | | n.a. |
| S 29 | 8 13 | 10 10 | 4 54 | 18 37 | 2 5 | 1 13 | 1 6 | 14 28 | 0 33 | 1 39 | 1 34 | 0 54 | 2 46 | 23 13 | 0 18 | 6 15 | 2 10 | 36 14 | 13 9 | 23 55 | 23 54 | 21 4 | | n.a. |
| M30 | 8n35 | 14s32 | 4s34 | 18n51 | 2n 0 | 1s27 | 0n54 | 14n42 | 0n34 | 1n42 | 1n34 | 0n56 | 2n46 | 23n13 | 0n18 | 6n16 | 2n10 | 36n13 | 13n 8 | 23s55 | 23s54 | 21s 6 | | n.a. |

Julian Day Number = 993935.5, Delta T = 12h59m10s
Ecliptic obliquity = 23°55'26, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°32'00, Lahiri = -31°24'59 Julian Calendar 1 Apr. 1992 BCE == Greg. Calendar 15 March 1992 BCE


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## MAY 1992 BCE (-1991) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 28 18 | 22♈31'56 | 8♏ 6 | 16♉57 | 24°R20 | 7♉46 | 29°R14 | 3°R53 | 13♊54 | 19°R23 | 14♋ 2 | 1°R 9 | 2♑28 | 18♏32 | n.a. | T 1 |
| W 2 | 13 32 15 | 23°28'59 | 19°58 | 17°55 | 24°D19 | 8°25 | 29♍ 7 | 3♎49 | 13°57 | 19♍22 | 14° 3 | 1♑ 0 | 2°25 | 18°39 | n.a. | W 2 |
| T 3 | 13 36 11 | 24°26'02 | 1♐46 | 18°49 | 24♓21 | 9° 4 | 29° 1 | 3°45 | 13°59 | 19°21 | 14° 4 | 0°53 | 2°22 | 18°46 | n.a. | T 3 |
| F 4 | 13 40 8 | 25°23'06 | 13°35 | 19°40 | 24°24 | 9°42 | 28°55 | 3°41 | 14° 2 | 19°20 | 14° 4 | 0°50 | 2°19 | 18°52 | n.a. | F 4 |
| S 5 | 13 44 4 | 26°20'09 | 25°28 | 20°27 | 24°30 | 10°21 | 28°49 | 3°37 | 14° 5 | 19°18 | 14° 5 | 0°D48 | 2°15 | 18°59 | n.a. | S 5 |
| S 6 | 13 48 1 | 27°17'11 | 7♑29 | 21°11 | 24°38 | 11° 0 | 28°43 | 3°33 | 14° 8 | 19°17 | 14° 6 | 0°48 | 2°12 | 19° 6 | n.a. | S 6 |
| M 7 | 13 51 58 | 28°14'14 | 19°42 | 21°50 | 24°48 | 11°38 | 28°37 | 3°29 | 14°11 | 19°16 | 14° 6 | 0°49 | 2° 9 | 19°12 | n.a. | M 7 |
| T 8 | 13 55 54 | 29°11'17 | 2♒14 | 22°26 | 25° 1 | 12°17 | 28°31 | 3°25 | 14°13 | 19°15 | 14° 7 | 0°R49 | 2° 6 | 19°19 | n.a. | T 8 |
| W 9 | 13 59 51 | 0♉ 8'20 | 15° 8 | 22°57 | 25°15 | 12°56 | 28°26 | 3°22 | 14°16 | 19°14 | 14° 8 | 0°48 | 2° 3 | 19°26 | n.a. | W 9 |
| T 10 | 14 3 47 | 1° 5'23 | 28°29 | 23°24 | 25°31 | 13°34 | 28°20 | 3°18 | 14°19 | 19°13 | 14° 9 | 0°45 | 1°59 | 19°32 | n.a. | T 10 |
| F 11 | 14 7 44 | 2° 2'26 | 12♓19 | 23°47 | 25°50 | 14°13 | 28°15 | 3°14 | 14°22 | 19°11 | 14°10 | 0°40 | 1°56 | 19°39 | n.a. | F 11 |
| S 12 | 14 11 40 | 2°59'29 | 26°37 | 24° 6 | 26°10 | 14°51 | 28°10 | 3°11 | 14°25 | 19°10 | 14°10 | 0°33 | 1°53 | 19°46 | n.a. | S 12 |
| S 13 | 14 15 37 | 3°56'32 | 11♈22 | 24°20 | 26°32 | 15°30 | 28° 5 | 3° 7 | 14°28 | 19° 9 | 14°11 | 0°25 | 1°50 | 19°53 | n.a. | S 13 |
| M14 | 14 19 33 | 4°53'36 | 26°25 | 24°29 | 26°55 | 16° 9 | 28° 0 | 3° 4 | 14°31 | 19° 8 | 14°12 | 0°16 | 1°47 | 19°59 | n.a. | M14 |
| T 15 | 14 23 30 | 5°50'39 | 11♉37 | 24°34 | 27°20 | 16°47 | 27°55 | 3° 1 | 14°34 | 19° 7 | 14°13 | 0° 9 | 1°44 | 20° 6 | n.a. | T 15 |
| W16 | 14 27 27 | 6°47'43 | 26°49 | 24°R34 | 27°47 | 17°26 | 27°51 | 2°57 | 14°37 | 19° 6 | 14°14 | 0° 3 | 1°40 | 20°13 | n.a. | W16 |
| T 17 | 14 31 23 | 7°44'46 | 11♊50 | 24°30 | 28°15 | 18° 4 | 27°46 | 2°54 | 14°41 | 19° 5 | 14°15 | 29♐59 | 1°37 | 20°19 | n.a. | T 17 |
| F 18 | 14 35 20 | 8°41'50 | 26°32 | 24°21 | 28°45 | 18°43 | 27°42 | 2°51 | 14°44 | 19° 4 | 14°16 | 29°D59 | 1°34 | 20°26 | n.a. | F 18 |
| S 19 | 14 39 16 | 9°38'53 | 10♋51 | 24° 8 | 29°16 | 19°21 | 27°38 | 2°48 | 14°47 | 19° 4 | 14°17 | 29°59 | 1°31 | 20°33 | n.a. | S 19 |
| S 20 | 14 43 13 | 10°35'57 | 24°45 | 23°50 | 29°49 | 20° 0 | 27°34 | 2°45 | 14°50 | 19° 3 | 14°19 | 29°59 | 1°28 | 20°39 | n.a. | S 20 |
| M21 | 14 47 9 | 11°33'00 | 8♌14 | 23°28 | 0♈22 | 20°38 | 27°30 | 2°42 | 14°53 | 19° 2 | 14°20 | 0°R 1 | 1°25 | 20°46 | n.a. | M21 |
| T 22 | 14 51 6 | 12°30'03 | 21°21 | 23° 3 | 0°58 | 21°17 | 27°27 | 2°39 | 14°57 | 19° 1 | 14°21 | 0♑ 0 | 1°21 | 20°53 | n.a. | T 22 |
| W23 | 14 55 3 | 13°27'06 | 4♍ 9 | 22°34 | 1°34 | 21°55 | 27°23 | 2°36 | 15° 0 | 19° 0 | 14°22 | 29♐58 | 1°18 | 20°59 | n.a. | W23 |
| T 24 | 14 58 59 | 14°24'09 | 16°41 | 22° 2 | 2°11 | 22°34 | 27°20 | 2°34 | 15° 3 | 19° 0 | 14°23 | 29°54 | 1°15 | 21° 6 | n.a. | T 24 |
| F 25 | 15 2 56 | 15°21'12 | 29° 0 | 21°28 | 2°50 | 23°12 | 27°17 | 2°31 | 15° 7 | 18°59 | 14°24 | 29°49 | 1°12 | 21°13 | n.a. | F 25 |
| S 26 | 15 6 52 | 16°18'15 | 11♎ 9 | 20°51 | 3°30 | 23°50 | 27°14 | 2°28 | 15°10 | 18°58 | 14°26 | 29°41 | 1° 9 | 21°19 | n.a. | S 26 |
| S 27 | 15 10 49 | 17°15'19 | 23°10 | 20°13 | 4°10 | 24°29 | 27°11 | 2°26 | 15°13 | 18°57 | 14°27 | 29°34 | 1° 5 | 21°26 | n.a. | S 27 |
| M28 | 15 14 45 | 18°12'23 | 5♏ 5 | 19°35 | 4°52 | 25° 7 | 27° 9 | 2°23 | 15°17 | 18°57 | 14°28 | 29°26 | 1° 2 | 21°33 | n.a. | M28 |
| T 29 | 15 18 42 | 19° 9'27 | 16°57 | 18°56 | 5°35 | 25°46 | 27° 7 | 2°21 | 15°20 | 18°56 | 14°30 | 29°19 | 0°59 | 21°39 | n.a. | T 29 |
| W30 | 15 22 39 | 20° 6'32 | 28°46 | 18°17 | 6°19 | 26°24 | 27° 4 | 2°19 | 15°24 | 18°56 | 14°31 | 29°14 | 0°56 | 21°46 | n.a. | W30 |
| T 31 | 15 26 35 | 21♉ 3'37 | 10♐36 | 17♉40 | 7♈ 3 | 27♉ 2 | 27♍ 2 | 2♎17 | 15♊27 | 18♍55 | 14♋32 | 29♐11 | 0♑53 | 21♏53 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 8n56 | 18s18 | 4s 2 | 19n 3 | 1n54 | 1s40 | 0n42 | 14n55 | 0n34 | 1n44 | 1n33 | 0n57 | 2n46 | 23n13 | 0n18 | 6n16 | 2n10 | 36n13 | 13n 8 | 23s55 | 23s54 | 21s 7 | | | n.a. |
| W 2 | 9 18 | 21 17 | 3 19 | 19 13 | 1 47 | 1 51 | 0 30 | 15 8 | 0 35 | 1 46 | 1 33 | 0 59 | 2 45 | 23 14 | 0 18 | 6 17 | 2 10 | 36 13 | 13 8 | 23 55 | 23 54 | 21 8 | | | n.a. |
| T 3 | 9 39 | 23 21 | 2 28 | 19 21 | 1 39 | 2 1 | 0 18 | 15 22 | 0 35 | 1 49 | 1 33 | 1 0 | 2 45 | 23 14 | 0 18 | 6 17 | 2 10 | 36 12 | 13 7 | 23 55 | 23 54 | 21 10 | | | n.a. |
| F 4 | 10 1 | 24 23 | 1 31 | 19 27 | 1 30 | 2 10 | 0 7 | 15 35 | 0 36 | 1 51 | 1 33 | 1 2 | 2 45 | 23 14 | 0 18 | 6 18 | 2 10 | 36 12 | 13 7 | 23 55 | 23 54 | 21 11 | | | n.a. |
| S 5 | 10 22 | 24 19 | 0 28 | 19 31 | 1 21 | 2 17 | 0s 4 | 15 47 | 0 36 | 1 53 | 1 32 | 1 3 | 2 45 | 23 15 | 0 18 | 6 18 | 2 10 | 36 11 | 13 7 | 23 55 | 23 54 | 21 12 | | | n.a. |
| S 6 | 10 43 | 23 7 | 0n36 | 19 34 | 1 11 | 2 24 | 0 15 | 16 0 | 0 37 | 1 56 | 1 32 | 1 5 | 2 45 | 23 15 | 0 18 | 6 19 | 2 10 | 36 11 | 13 6 | 23 55 | 23 54 | 21 14 | | | n.a. |
| M 7 | 11 4 | 20 48 | 1 39 | 19 34 | 1 1 | 2 29 | 0 25 | 16 13 | 0 37 | 1 58 | 1 32 | 1 6 | 2 45 | 23 15 | 0 18 | 6 19 | 2 10 | 36 11 | 13 6 | 23 55 | 23 54 | 21 15 | | | n.a. |
| T 8 | 11 24 | 17 28 | 2 40 | 19 32 | 0 49 | 2 33 | 0 35 | 16 26 | 0 37 | 2 0 | 1 32 | 1 7 | 2 45 | 23 16 | 0 18 | 6 19 | 2 10 | 36 10 | 13 6 | 23 55 | 23 54 | 21 16 | | | n.a. |
| W 9 | 11 45 | 13 13 | 3 34 | 19 29 | 0 37 | 2 36 | 0 45 | 16 38 | 0 38 | 2 2 | 1 32 | 1 9 | 2 44 | 23 16 | 0 18 | 6 20 | 2 10 | 36 10 | 13 5 | 23 55 | 23 54 | 21 17 | | | n.a. |
| T 10 | 12 5 | 8 12 | 4 19 | 19 24 | 0 25 | 2 38 | 0 54 | 16 50 | 0 38 | 2 4 | 1 31 | 1 10 | 2 44 | 23 16 | 0 18 | 6 20 | 2 10 | 36 9 | 13 5 | 23 55 | 23 54 | 21 19 | | | n.a. |
| F 11 | 12 25 | 2 37 | 4 50 | 19 17 | 0 11 | 2 39 | 1 3 | 17 3 | 0 39 | 2 6 | 1 31 | 1 11 | 2 44 | 23 17 | 0 18 | 6 21 | 2 10 | 36 9 | 13 5 | 23 55 | 23 55 | 21 20 | | | n.a. |
| S 12 | 12 45 | 3n16 | 5 5 | 19 8 | 0s 2 | 2 38 | 1 11 | 17 15 | 0 39 | 2 8 | 1 31 | 1 13 | 2 44 | 23 17 | 0 18 | 6 21 | 2 10 | 36 8 | 13 5 | 23 55 | 23 55 | 21 21 | | | n.a. |
| S 13 | 13 5 | 9 10 | 5 0 | 18 58 | 0 17 | 2 37 | 1 19 | 17 27 | 0 40 | 2 9 | 1 30 | 1 14 | 2 44 | 23 18 | 0 18 | 6 21 | 2 10 | 36 8 | 13 4 | 23 55 | 23 55 | 21 22 | | | n.a. |
| M14 | 13 25 | 14 38 | 4 35 | 18 46 | 0 31 | 2 35 | 1 27 | 17 38 | 0 40 | 2 11 | 1 30 | 1 15 | 2 44 | 23 18 | 0 18 | 6 22 | 2 10 | 36 8 | 13 4 | 23 55 | 23 55 | 21 24 | | | n.a. |
| T 15 | 13 44 | 19 15 | 3 50 | 18 32 | 0 47 | 2 31 | 1 35 | 17 50 | 0 41 | 2 13 | 1 30 | 1 16 | 2 43 | 23 18 | 0 18 | 6 22 | 2 10 | 36 7 | 13 4 | 23 55 | 23 55 | 21 25 | | | n.a. |
| W16 | 14 3 | 22 34 | 2 48 | 18 18 | 1 2 | 2 27 | 1 42 | 18 2 | 0 41 | 2 14 | 1 30 | 1 17 | 2 43 | 23 19 | 0 18 | 6 22 | 2 10 | 36 7 | 13 3 | 23 55 | 23 55 | 21 26 | | | n.a. |
| T 17 | 14 22 | 24 15 | 1 36 | 18 1 | 1 18 | 2 22 | 1 49 | 18 13 | 0 41 | 2 16 | 1 29 | 1 19 | 2 43 | 23 19 | 0 18 | 6 23 | 2 9 | 36 6 | 13 3 | 23 55 | 23 55 | 21 27 | | | n.a. |
| F 18 | 14 41 | 24 11 | 0 19 | 17 44 | 1 34 | 2 16 | 1 56 | 18 25 | 0 42 | 2 17 | 1 29 | 1 20 | 2 43 | 23 19 | 0 18 | 6 23 | 2 9 | 36 6 | 13 3 | 23 55 | 23 55 | 21 29 | | | n.a. |
| S 19 | 15 0 | 22 30 | 0s58 | 17 25 | 1 50 | 2 9 | 2 2 | 18 36 | 0 42 | 2 19 | 1 29 | 1 21 | 2 43 | 23 20 | 0 18 | 6 23 | 2 9 | 36 6 | 13 2 | 23 55 | 23 55 | 21 30 | | | n.a. |
| S 20 | 15 18 | 19 29 | 2 9 | 17 5 | 2 5 | 2 1 | 2 8 | 18 47 | 0 43 | 2 20 | 1 29 | 1 22 | 2 42 | 23 20 | 0 18 | 6 24 | 2 9 | 36 5 | 13 2 | 23 55 | 23 55 | 21 31 | | | n.a. |
| M21 | 15 36 | 15 30 | 3 11 | 16 45 | 2 21 | 1 53 | 2 14 | 18 58 | 0 43 | 2 21 | 1 28 | 1 23 | 2 42 | 23 20 | 0 18 | 6 24 | 2 9 | 36 5 | 13 2 | 23 55 | 23 55 | 21 32 | | | n.a. |
| T 22 | 15 54 | 10 52 | 4 1 | 16 23 | 2 36 | 1 44 | 2 19 | 19 9 | 0 44 | 2 22 | 1 28 | 1 24 | 2 42 | 23 21 | 0 18 | 6 24 | 2 9 | 36 4 | 13 2 | 23 55 | 23 55 | 21 33 | | | n.a. |
| W23 | 16 12 | 5 53 | 4 38 | 16 2 | 2 51 | 1 34 | 2 24 | 19 19 | 0 44 | 2 24 | 1 28 | 1 25 | 2 42 | 23 21 | 0 18 | 6 25 | 2 9 | 36 4 | 13 1 | 23 55 | 23 55 | 21 35 | | | n.a. |
| T 24 | 16 29 | 0 46 | 5 0 | 15 40 | 3 5 | 1 23 | 2 29 | 19 30 | 0 44 | 2 25 | 1 27 | 1 26 | 2 42 | 23 22 | 0 18 | 6 25 | 2 9 | 36 3 | 13 1 | 23 55 | 23 55 | 21 36 | | | n.a. |
| F 25 | 16 46 | 4s18 | 5 8 | 15 18 | 3 18 | 1 12 | 2 34 | 19 40 | 0 45 | 2 26 | 1 27 | 1 26 | 2 41 | 23 22 | 0 18 | 6 25 | 2 9 | 36 3 | 13 1 | 23 55 | 23 55 | 21 37 | | | n.a. |
| S 26 | 17 3 | 9 7 | 5 2 | 14 57 | 3 31 | 0 59 | 2 38 | 19 50 | 0 45 | 2 26 | 1 27 | 1 27 | 2 41 | 23 22 | 0 18 | 6 25 | 2 9 | 36 3 | 13 0 | 23 55 | 23 55 | 21 38 | | | n.a. |
| S 27 | 17 19 | 13 33 | 4 43 | 14 36 | 3 42 | 0 47 | 2 42 | 20 0 | 0 46 | 2 27 | 1 26 | 1 28 | 2 41 | 23 23 | 0 18 | 6 25 | 2 9 | 36 2 | 13 0 | 23 55 | 23 55 | 21 39 | | | n.a. |
| M28 | 17 36 | 17 25 | 4 11 | 14 16 | 3 52 | 0 33 | 2 46 | 20 10 | 0 46 | 2 28 | 1 26 | 1 29 | 2 41 | 23 23 | 0 18 | 6 26 | 2 9 | 36 2 | 13 0 | 23 55 | 23 55 | 21 40 | | | n.a. |
| T 29 | 17 52 | 20 34 | 3 29 | 13 57 | 4 1 | 0 19 | 2 49 | 20 20 | 0 46 | 2 29 | 1 26 | 1 30 | 2 41 | 23 23 | 0 18 | 6 26 | 2 9 | 36 1 | 13 0 | 23 55 | 23 55 | 21 42 | | | n.a. |
| W30 | 18 8 | 22 51 | 2 38 | 13 39 | 4 8 | 0 5 | 2 53 | 20 30 | 0 47 | 2 29 | 1 25 | 1 30 | 2 40 | 23 24 | 0 18 | 6 26 | 2 9 | 36 1 | 12 59 | 23 55 | 23 55 | 21 43 | | | n.a. |
| T 31 | 18n23 | 24s 8 | 1s39 | 13n23 | 4s14 | 0n10 | 2s56 | 20n39 | 0n47 | 2n30 | 1n25 | 1n31 | 2n40 | 23n24 | 0n18 | 6n26 | 2n 9 | 36n 1 | 12n59 | 23s55 | 23s55 | 21s44 | | | n.a. |

Julian Day Number = 993965.5, Delta T = 12h59m08s
Ecliptic obliquity = 23°55'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'56, Lahiri = -31°24'55 Julian Calendar 1 May 1992 BCE == Greg. Calendar 14 Apr. 1992 BCE

The year -1991 astronomical counting style corresponds to year 1992 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## JUNE 1992 BCE (-1991) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 30 32 | 22♉ 0'44 | 22♐28 | 17°R 5 | 7♈49 | 27♉41 | 27°R 0 | 2°R15 | 15♊31 | 18°R54 | 14♋34 | 29°R 9 | 0♑50 | 21♏59 | n.a. | F 1 |
| S 2 | 15 34 28 | 22°57'51 | 4♑25 | 16♉33 | 8°35 | 28°19 | 26♍59 | 2♎13 | 15°34 | 18♍54 | 14°35 | 29°D 9 | 0°46 | 22° 6 | n.a. | S 2 |
| S 3 | 15 38 25 | 23°54'58 | 16°30 | 16° 3 | 9°22 | 28°57 | 26°57 | 2°11 | 15°38 | 18°53 | 14°37 | 29♐10 | 0°43 | 22°13 | n.a. | S 3 |
| M 4 | 15 42 21 | 24°52'07 | 28°47 | 15°37 | 10°10 | 29°36 | 26°56 | 2° 9 | 15°41 | 18°53 | 14°38 | 29°12 | 0°40 | 22°19 | n.a. | M 4 |
| T 5 | 15 46 18 | 25°49'17 | 11♒20 | 15°15 | 10°59 | 0♊14 | 26°55 | 2° 7 | 15°45 | 18°53 | 14°40 | 29°13 | 0°37 | 22°26 | n.a. | T 5 |
| W 6 | 15 50 14 | 26°46'27 | 24°13 | 14°58 | 11°48 | 0°52 | 26°54 | 2° 5 | 15°48 | 18°52 | 14°41 | 29°R14 | 0°34 | 22°33 | n.a. | W 6 |
| T 7 | 15 54 11 | 27°43'39 | 7♓29 | 14°46 | 12°38 | 1°31 | 26°53 | 2° 4 | 15°52 | 18°52 | 14°43 | 29°13 | 0°31 | 22°39 | n.a. | T 7 |
| F 8 | 15 58 8 | 28°40'52 | 21°12 | 14°39 | 13°29 | 2° 9 | 26°53 | 2° 2 | 15°55 | 18°52 | 14°44 | 29°12 | 0°27 | 22°46 | n.a. | F 8 |
| S 9 | 16 2 4 | 29°38'05 | 5♈22 | 14°D38 | 14°20 | 2°47 | 26°52 | 2° 1 | 15°59 | 18°51 | 14°46 | 29° 9 | 0°24 | 22°53 | n.a. | S 9 |
| S 10 | 16 6 1 | 0♊35'20 | 19°57 | 14°43 | 15°13 | 3°26 | 26°52 | 2° 0 | 16° 3 | 18°51 | 14°47 | 29° 5 | 0°21 | 23° 0 | n.a. | S 10 |
| M11 | 16 9 57 | 1°32'37 | 4♉53 | 14°53 | 16° 5 | 4° 4 | 26°D52 | 1°58 | 16° 6 | 18°51 | 14°49 | 29° 2 | 0°18 | 23° 6 | n.a. | M11 |
| T 12 | 16 13 54 | 2°29'54 | 20° 2 | 15° 9 | 16°58 | 4°42 | 26°52 | 1°57 | 16°10 | 18°51 | 14°50 | 28°58 | 0°15 | 23°13 | n.a. | T 12 |
| W13 | 16 17 50 | 3°27'12 | 5♊14 | 15°32 | 17°52 | 5°21 | 26°53 | 1°56 | 16°13 | 18°50 | 14°52 | 28°56 | 0°11 | 23°20 | n.a. | W13 |
| T 14 | 16 21 47 | 4°24'32 | 20°20 | 16° 0 | 18°47 | 5°59 | 26°53 | 1°55 | 16°17 | 18°50 | 14°54 | 28°54 | 0° 8 | 23°26 | n.a. | T 14 |
| F 15 | 16 25 44 | 5°21'52 | 5♋11 | 16°34 | 19°42 | 6°37 | 26°54 | 1°55 | 16°21 | 18°50 | 14°55 | 28°D54 | 0° 5 | 23°33 | n.a. | F 15 |
| S 16 | 16 29 40 | 6°19'14 | 19°41 | 17°15 | 20°37 | 7°15 | 26°55 | 1°54 | 16°25 | 18°50 | 14°57 | 28°55 | 0° 2 | 23°40 | n.a. | S 16 |
| S 17 | 16 33 37 | 7°16'36 | 3♌44 | 18° 1 | 21°33 | 7°54 | 26°56 | 1°53 | 16°28 | 18°D50 | 14°59 | 28°56 | 29♐59 | 23°46 | n.a. | S 17 |
| M18 | 16 37 33 | 8°13'59 | 17°21 | 18°54 | 22°29 | 8°32 | 26°57 | 1°53 | 16°32 | 18°50 | 15° 1 | 28°58 | 29°56 | 23°53 | n.a. | M18 |
| T 19 | 16 41 30 | 9°11'23 | 0♍33 | 19°52 | 23°26 | 9°10 | 26°58 | 1°52 | 16°36 | 18°50 | 15° 2 | 28°59 | 29°52 | 24° 0 | n.a. | T 19 |
| W20 | 16 45 26 | 10° 8'47 | 13°22 | 20°56 | 24°23 | 9°48 | 27° 0 | 1°52 | 16°39 | 18°50 | 15° 4 | 28°R59 | 29°49 | 24° 6 | n.a. | W20 |
| T 21 | 16 49 23 | 11° 6'13 | 25°52 | 22° 6 | 25°21 | 10°27 | 27° 2 | 1°51 | 16°43 | 18°50 | 15° 6 | 28°58 | 29°46 | 24°13 | n.a. | T 21 |
| F 22 | 16 53 19 | 12° 3'40 | 8♎ 7 | 23°21 | 26°19 | 11° 5 | 27° 4 | 1°51 | 16°47 | 18°50 | 15° 8 | 28°57 | 29°43 | 24°20 | n.a. | F 22 |
| S 23 | 16 57 16 | 13° 1'07 | 20°10 | 24°41 | 27°17 | 11°43 | 27° 6 | 1°D51 | 16°50 | 18°51 | 15°10 | 28°55 | 29°40 | 24°26 | n.a. | S 23 |
| S 24 | 17 1 13 | 13°58'36 | 2♏ 6 | 26° 6 | 28°16 | 12°21 | 27° 8 | 1°51 | 16°54 | 18°51 | 15°11 | 28°53 | 29°37 | 24°33 | n.a. | S 24 |
| M25 | 17 5 9 | 14°56'06 | 13°57 | 27°36 | 29°16 | 13° 0 | 27°11 | 1°51 | 16°58 | 18°51 | 15°13 | 28°50 | 29°33 | 24°40 | n.a. | M25 |
| T 26 | 17 9 6 | 15°53'37 | 25°46 | 29°10 | 0♉15 | 13°38 | 27°14 | 1°52 | 17° 2 | 18°51 | 15°15 | 28°49 | 29°30 | 24°46 | n.a. | T 26 |
| W27 | 17 13 2 | 16°51'10 | 7♐37 | 0♊49 | 1°15 | 14°16 | 27°17 | 1°52 | 17° 5 | 18°52 | 15°17 | 28°47 | 29°27 | 24°53 | n.a. | W27 |
| T 28 | 17 16 59 | 17°48'44 | 19°30 | 2°31 | 2°16 | 14°54 | 27°20 | 1°52 | 17° 9 | 18°52 | 15°19 | 28°46 | 29°24 | 25° 0 | n.a. | T 28 |
| F 29 | 17 20 55 | 18°46'20 | 1♑29 | 4°17 | 3°16 | 15°33 | 27°23 | 1°53 | 17°13 | 18°52 | 15°21 | 28°D46 | 29°21 | 25° 6 | n.a. | F 29 |
| S 30 | 17 24 52 | 19♊43'57 | 13♑36 | 6♊ 7 | 4♉17 | 16♊11 | 27♍26 | 1♎53 | 17♊17 | 18♍53 | 15♋23 | 28♐47 | 29♐17 | 25♏13 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 18n38 | 24s19 | 0s36 | 13n 9 | 4s18 | 0n26 | 2s59 | 20n49 | 0n48 | 2n30 | 1n25 | 1n32 | 2n40 | 23n25 | 0n18 | 6n26 | 2n 9 | 36n 0 | 12n59 | 23s55 | 23s55 | 21s45 | | n.a. |
| S 2 | 18 53 | 23 22 | 0n29 | 12 58 | 4 21 | 0 42 | 3 1 | 20 58 | 0 48 | 2 31 | 1 25 | 1 32 | 2 40 | 23 25 | 0 18 | 6 26 | 2 9 | 36 0 | 12 59 | 23 55 | 23 55 | 21 46 | | n.a. |
| S 3 | 19 8 | 21 20 | 1 33 | 12 48 | 4 22 | 0 59 | 3 4 | 21 7 | 0 48 | 2 31 | 1 24 | 1 33 | 2 39 | 23 25 | 0 18 | 6 27 | 2 8 | 35 59 | 12 58 | 23 55 | 23 55 | 21 47 | | n.a. |
| M 4 | 19 22 | 18 18 | 2 35 | 12 41 | 4 21 | 1 16 | 3 6 | 21 16 | 0 49 | 2 31 | 1 24 | 1 33 | 2 39 | 23 26 | 0 18 | 6 27 | 2 8 | 35 59 | 12 58 | 23 55 | 23 55 | 21 48 | | n.a. |
| T 5 | 19 36 | 14 22 | 3 30 | 12 37 | 4 19 | 1 33 | 3 8 | 21 25 | 0 49 | 2 31 | 1 24 | 1 34 | 2 39 | 23 26 | 0 18 | 6 27 | 2 8 | 35 58 | 12 58 | 23 55 | 23 55 | 21 49 | | n.a. |
| W 6 | 19 50 | 9 41 | 4 17 | 12 35 | 4 16 | 1 51 | 3 10 | 21 33 | 0 50 | 2 32 | 1 23 | 1 34 | 2 39 | 23 27 | 0 18 | 6 27 | 2 8 | 35 58 | 12 58 | 23 55 | 23 55 | 21 50 | | n.a. |
| T 7 | 20 3 | 4 26 | 4 51 | 12 36 | 4 11 | 2 9 | 3 12 | 21 42 | 0 50 | 2 32 | 1 23 | 1 35 | 2 38 | 23 27 | 0 18 | 6 27 | 2 8 | 35 58 | 12 58 | 23 55 | 23 55 | 21 52 | | n.a. |
| F 8 | 20 16 | 1n11 | 5 10 | 12 40 | 4 5 | 2 28 | 3 13 | 21 50 | 0 50 | 2 31 | 1 23 | 1 35 | 2 38 | 23 27 | 0 18 | 6 27 | 2 8 | 35 57 | 12 57 | 23 55 | 23 55 | 21 53 | | n.a. |
| S 9 | 20 29 | 6 55 | 5 11 | 12 46 | 3 58 | 2 47 | 3 14 | 21 58 | 0 51 | 2 31 | 1 22 | 1 35 | 2 38 | 23 28 | 0 18 | 6 27 | 2 8 | 35 57 | 12 57 | 23 55 | 23 55 | 21 54 | | n.a. |
| S 10 | 20 41 | 12 27 | 4 53 | 12 55 | 3 50 | 3 7 | 3 16 | 22 6 | 0 51 | 2 31 | 1 22 | 1 36 | 2 38 | 23 28 | 0 18 | 6 27 | 2 8 | 35 56 | 12 57 | 23 55 | 23 55 | 21 55 | | n.a. |
| M11 | 20 53 | 17 23 | 4 14 | 13 7 | 3 40 | 3 26 | 3 16 | 22 14 | 0 51 | 2 31 | 1 22 | 1 36 | 2 37 | 23 29 | 0 18 | 6 27 | 2 8 | 35 56 | 12 57 | 23 55 | 23 55 | 21 56 | | n.a. |
| T 12 | 21 5 | 21 16 | 3 18 | 13 22 | 3 30 | 3 46 | 3 17 | 22 21 | 0 52 | 2 30 | 1 21 | 1 36 | 2 37 | 23 29 | 0 18 | 6 27 | 2 8 | 35 56 | 12 57 | 23 55 | 23 55 | 21 57 | | n.a. |
| W13 | 21 16 | 23 41 | 2 7 | 13 39 | 3 19 | 4 7 | 3 18 | 22 29 | 0 52 | 2 30 | 1 21 | 1 36 | 2 37 | 23 29 | 0 18 | 6 27 | 2 8 | 35 55 | 12 56 | 23 55 | 23 55 | 21 58 | | n.a. |
| T 14 | 21 27 | 24 21 | 0 47 | 13 59 | 3 7 | 4 27 | 3 18 | 22 36 | 0 53 | 2 30 | 1 21 | 1 36 | 2 37 | 23 30 | 0 18 | 6 27 | 2 8 | 35 55 | 12 56 | 23 55 | 23 55 | 21 59 | | n.a. |
| F 15 | 21 38 | 23 15 | 0s35 | 14 21 | 2 55 | 4 48 | 3 19 | 22 43 | 0 53 | 2 29 | 1 20 | 1 36 | 2 36 | 23 30 | 0 18 | 6 27 | 2 8 | 35 54 | 12 56 | 23 55 | 23 55 | 22 0 | | n.a. |
| S 16 | 21 48 | 20 36 | 1 52 | 14 45 | 2 42 | 5 9 | 3 19 | 22 50 | 0 53 | 2 28 | 1 20 | 1 36 | 2 36 | 23 31 | 0 18 | 6 27 | 2 8 | 35 54 | 12 56 | 23 55 | 23 55 | 22 1 | | n.a. |
| S 17 | 21 58 | 16 47 | 3 0 | 15 11 | 2 28 | 5 30 | 3 19 | 22 57 | 0 54 | 2 28 | 1 20 | 1 37 | 2 36 | 23 31 | 0 18 | 6 27 | 2 8 | 35 54 | 12 56 | 23 55 | 23 55 | 22 2 | | n.a. |
| M18 | 22 7 | 12 12 | 3 56 | 15 38 | 2 14 | 5 52 | 3 18 | 23 4 | 0 54 | 2 27 | 1 19 | 1 36 | 2 35 | 23 31 | 0 18 | 6 27 | 2 7 | 35 53 | 12 55 | 23 55 | 23 55 | 22 3 | | n.a. |
| T 19 | 22 16 | 7 10 | 4 38 | 16 8 | 2 1 | 6 13 | 3 18 | 23 10 | 0 54 | 2 26 | 1 19 | 1 36 | 2 35 | 23 32 | 0 18 | 6 27 | 2 7 | 35 53 | 12 55 | 23 55 | 23 55 | 22 4 | | n.a. |
| W20 | 22 25 | 2 0 | 5 4 | 16 39 | 1 46 | 6 35 | 3 18 | 23 16 | 0 55 | 2 25 | 1 19 | 1 36 | 2 35 | 23 32 | 0 18 | 6 27 | 2 7 | 35 53 | 12 55 | 23 55 | 23 55 | 22 5 | | n.a. |
| T 21 | 22 34 | 3s 8 | 5 15 | 17 11 | 1 32 | 6 57 | 3 17 | 23 22 | 0 55 | 2 24 | 1 18 | 1 36 | 2 35 | 23 32 | 0 18 | 6 27 | 2 7 | 35 52 | 12 55 | 23 55 | 23 55 | 22 6 | | n.a. |
| F 22 | 22 42 | 8 2 | 5 12 | 17 44 | 1 18 | 7 19 | 3 16 | 23 28 | 0 55 | 2 23 | 1 18 | 1 36 | 2 34 | 23 33 | 0 18 | 6 27 | 2 7 | 35 52 | 12 55 | 23 55 | 23 55 | 22 7 | | n.a. |
| S 23 | 22 49 | 12 34 | 4 54 | 18 18 | 1 4 | 7 41 | 3 15 | 23 34 | 0 56 | 2 22 | 1 18 | 1 36 | 2 34 | 23 33 | 0 18 | 6 27 | 2 7 | 35 51 | 12 55 | 23 55 | 23 55 | 22 8 | | n.a. |
| S 24 | 22 56 | 16 34 | 4 25 | 18 52 | 0 50 | 8 3 | 3 14 | 23 40 | 0 56 | 2 20 | 1 17 | 1 36 | 2 34 | 23 34 | 0 18 | 6 26 | 2 7 | 35 51 | 12 55 | 23 55 | 23 55 | 22 9 | | n.a. |
| M25 | 23 3 | 19 53 | 3 43 | 19 26 | 0 36 | 8 26 | 3 13 | 23 45 | 0 56 | 2 19 | 1 17 | 1 35 | 2 34 | 23 34 | 0 18 | 6 26 | 2 7 | 35 51 | 12 54 | 23 55 | 23 55 | 22 10 | | n.a. |
| T 26 | 23 9 | 22 23 | 2 53 | 20 1 | 0 23 | 8 48 | 3 12 | 23 50 | 0 57 | 2 18 | 1 17 | 1 35 | 2 33 | 23 34 | 0 18 | 6 26 | 2 7 | 35 50 | 12 54 | 23 55 | 23 55 | 22 11 | | n.a. |
| W27 | 23 15 | 23 54 | 1 55 | 20 35 | 0 10 | 9 10 | 3 10 | 23 55 | 0 57 | 2 16 | 1 17 | 1 35 | 2 33 | 23 35 | 0 18 | 6 26 | 2 7 | 35 50 | 12 54 | 23 55 | 23 55 | 22 12 | | n.a. |
| T 28 | 23 21 | 24 21 | 0 51 | 21 8 | 0n 3 | 9 33 | 3 9 | 24 0 | 0 57 | 2 15 | 1 16 | 1 34 | 2 33 | 23 35 | 0 18 | 6 26 | 2 7 | 35 50 | 12 54 | 23 55 | 23 55 | 22 13 | | n.a. |
| F 29 | 23 26 | 23 40 | 0n15 | 21 40 | 0 15 | 9 55 | 3 7 | 24 5 | 0 58 | 2 13 | 1 16 | 1 34 | 2 32 | 23 35 | 0 18 | 6 25 | 2 7 | 35 49 | 12 54 | 23 55 | 23 55 | 22 14 | | n.a. |
| S 30 | 23n31 | 21s52 | 1n21 | 22n12 | 0n26 | 10n18 | 3s 6 | 24n 9 | 0n58 | 2n11 | 1n16 | 1n33 | 2n32 | 23n36 | 0n18 | 6n25 | 2n 7 | 35n49 | 12n54 | 23s55 | 23s55 | 22s15 | | n.a. |

Julian Day Number = 993996.5, Delta T = 12h59m06s
Ecliptic obliquity = 23°55'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'52, Lahiri = -31°24'51 Julian Calendar 1 June 1992 BCE == Greg. Calendar 15 May 1992 BCE


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## JULY 1992 BCE (-1991) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 28 49 | 20♊41'35 | 25♉51 | 7♊59 | 5♉19 | 16♊49 | 27♍30 | 1♎54 | 17♊20 | 18♍53 | 15♋25 | 28♐47 | 29♐14 | 25♏20 | n.a. | S 1 |
| M 2 | 17 32 45 | 21°39'15 | 8♒19 | 9°53 | 6°21 | 17°27 | 27°33 | 1°55 | 17°24 | 18°54 | 15°27 | 28°48 | 29°11 | 25°26 | n.a. | M 2 |
| T 3 | 17 36 42 | 22°36'57 | 21° 1 | 11°49 | 7°23 | 18° 6 | 27°37 | 1°56 | 17°28 | 18°54 | 15°29 | 28°49 | 29° 8 | 25°33 | n.a. | T 3 |
| W 4 | 17 40 38 | 23°34'41 | 3♓59 | 13°47 | 8°25 | 18°44 | 27°41 | 1°57 | 17°31 | 18°55 | 15°30 | 28°49 | 29° 5 | 25°40 | n.a. | W 4 |
| T 5 | 17 44 35 | 24°32'27 | 17°16 | 15°46 | 9°28 | 19°22 | 27°46 | 1°58 | 17°35 | 18°55 | 15°32 | 28°49 | 29° 2 | 25°46 | n.a. | T 5 |
| F 6 | 17 48 31 | 25°30'14 | 0♈54 | 17°46 | 10°31 | 20° 0 | 27°50 | 1°59 | 17°39 | 18°56 | 15°34 | 28°R49 | 28°58 | 25°53 | n.a. | F 6 |
| S 7 | 17 52 28 | 26°28'04 | 14°53 | 19°46 | 11°34 | 20°38 | 27°55 | 2° 0 | 17°43 | 18°56 | 15°36 | 28°49 | 28°55 | 26° 0 | n.a. | S 7 |
| S 8 | 17 56 24 | 27°25'55 | 29°13 | 21°47 | 12°37 | 21°17 | 27°59 | 2° 1 | 17°46 | 18°57 | 15°38 | 28°49 | 28°52 | 26° 6 | n.a. | S 8 |
| M 9 | 18 0 21 | 28°23'49 | 13♉52 | 23°47 | 13°41 | 21°55 | 28° 4 | 2° 3 | 17°50 | 18°58 | 15°40 | 28°D49 | 28°49 | 26°13 | n.a. | M 9 |
| T 10 | 18 4 18 | 29°21'45 | 28°43 | 25°48 | 14°45 | 22°33 | 28° 9 | 2° 4 | 17°54 | 18°58 | 15°42 | 28°49 | 28°46 | 26°20 | n.a. | T 10 |
| W11 | 18 8 14 | 0♋19'42 | 13♊41 | 27°48 | 15°49 | 23°12 | 28°14 | 2° 6 | 17°57 | 18°59 | 15°45 | 28°49 | 28°43 | 26°26 | n.a. | W11 |
| T 12 | 18 12 11 | 1°17'42 | 28°37 | 29°47 | 16°54 | 23°50 | 28°20 | 2° 8 | 18° 1 | 19° 0 | 15°47 | 28°R49 | 28°39 | 26°33 | n.a. | T 12 |
| F 13 | 18 16 7 | 2°15'43 | 13♋24 | 1♋45 | 17°59 | 24°28 | 28°25 | 2°10 | 18° 5 | 19° 1 | 15°49 | 28°49 | 28°36 | 26°40 | n.a. | F 13 |
| S 14 | 18 20 4 | 3°13'46 | 27°55 | 3°43 | 19° 4 | 25° 6 | 28°31 | 2°11 | 18° 8 | 19° 1 | 15°51 | 28°49 | 28°33 | 26°46 | n.a. | S 14 |
| S 15 | 18 24 0 | 4°11'50 | 12♌ 3 | 5°40 | 20° 9 | 25°45 | 28°37 | 2°13 | 18°12 | 19° 2 | 15°53 | 28°48 | 28°30 | 26°53 | n.a. | S 15 |
| M16 | 18 27 57 | 5° 9'57 | 25°46 | 7°36 | 21°14 | 26°23 | 28°43 | 2°16 | 18°16 | 19° 3 | 15°55 | 28°48 | 28°27 | 27° 0 | n.a. | M16 |
| T 17 | 18 31 53 | 6° 8'05 | 9♍ 4 | 9°30 | 22°20 | 27° 1 | 28°49 | 2°18 | 18°19 | 19° 4 | 15°57 | 28°47 | 28°23 | 27° 6 | n.a. | T 17 |
| W18 | 18 35 50 | 7° 6'14 | 21°57 | 11°24 | 23°26 | 27°39 | 28°55 | 2°20 | 18°23 | 19° 5 | 15°59 | 28°46 | 28°20 | 27°13 | n.a. | W18 |
| T 19 | 18 39 47 | 8° 4'25 | 4♎29 | 13°16 | 24°32 | 28°18 | 29° 2 | 2°22 | 18°26 | 19° 6 | 16° 1 | 28°D46 | 28°17 | 27°20 | n.a. | T 19 |
| F 20 | 18 43 43 | 9° 2'38 | 16°44 | 15° 7 | 25°38 | 28°56 | 29° 8 | 2°25 | 18°30 | 19° 7 | 16° 3 | 28°46 | 28°14 | 27°26 | n.a. | F 20 |
| S 21 | 18 47 40 | 10° 0'52 | 28°46 | 16°57 | 26°44 | 29°34 | 29°15 | 2°27 | 18°33 | 19° 8 | 16° 5 | 28°47 | 28°11 | 27°33 | n.a. | S 21 |
| S 22 | 18 51 36 | 10°59'08 | 10♏39 | 18°46 | 27°51 | 0♋12 | 29°22 | 2°30 | 18°37 | 19° 9 | 16° 7 | 28°48 | 28° 8 | 27°40 | n.a. | S 22 |
| M23 | 18 55 33 | 11°57'27 | 22°29 | 20°33 | 28°58 | 0°51 | 29°29 | 2°33 | 18°40 | 19°10 | 16° 9 | 28°49 | 28° 4 | 27°46 | n.a. | M23 |
| T 24 | 18 59 29 | 12°55'46 | 4♐18 | 22°19 | 0♊ 5 | 1°29 | 29°36 | 2°36 | 18°44 | 19°11 | 16°11 | 28°50 | 28° 1 | 27°53 | n.a. | T 24 |
| W25 | 19 3 26 | 13°54'08 | 16°12 | 24° 5 | 1°12 | 2° 7 | 29°43 | 2°38 | 18°47 | 19°13 | 16°14 | 28°51 | 27°58 | 28° 0 | n.a. | W25 |
| T 26 | 19 7 22 | 14°52'32 | 28°12 | 25°49 | 2°20 | 2°46 | 29°51 | 2°41 | 18°51 | 19°14 | 16°16 | 28°R51 | 27°55 | 28° 6 | n.a. | T 26 |
| F 27 | 19 11 19 | 15°50'57 | 10♉22 | 27°31 | 3°27 | 3°24 | 29°58 | 2°44 | 18°54 | 19°15 | 16°18 | 28°51 | 27°52 | 28°13 | n.a. | F 27 |
| S 28 | 19 15 15 | 16°49'25 | 22°42 | 29°13 | 4°35 | 4° 2 | 0♎ 6 | 2°48 | 18°58 | 19°16 | 16°20 | 28°50 | 27°49 | 28°20 | n.a. | S 28 |
| S 29 | 19 19 12 | 17°47'55 | 5♒15 | 0♌54 | 5°43 | 4°41 | 0°14 | 2°51 | 19° 1 | 19°18 | 16°22 | 28°48 | 27°45 | 28°26 | n.a. | S 29 |
| M30 | 19 23 9 | 18°46'27 | 18° 0 | 2°33 | 6°51 | 5°19 | 0°22 | 2°54 | 19° 5 | 19°19 | 16°24 | 28°45 | 27°42 | 28°33 | n.a. | M30 |
| T 31 | 19 27 5 | 19♋45'01 | 1♓ 0 | 4♌12 | 7♊59 | 5♋57 | 0♎30 | 2♎58 | 19♊ 8 | 19♍20 | 16♋26 | 28♐42 | 27♐39 | 28♏40 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| S 1 | 23n35 | 19s 2 | 2n25 | 22n41 | 0n37 | 10n40 | 3s 4 | 24n13 | 0n58 | 2n10 | 1n15 | 1n33 | 2n32 | 23n36 | 0n18 | 6n25 | 2n 7 | 35n49 | 12n54 | 23s55 | 23s55 | 22s16 | | | n.a. |
| M 2 | 23 39 | 15 18 | 3 22 | 23 9 | 0 47 | 11 3 | 3 2 | 24 18 | 0 59 | 2 8 | 1 15 | 1 32 | 2 32 | 23 37 | 0 18 | 6 25 | 2 7 | 35 48 | 12 54 | 23 55 | 23 55 | 22 17 | | | n.a. |
| T 3 | 23 43 | 10 49 | 4 11 | 23 35 | 0 56 | 11 25 | 3 0 | 24 21 | 0 59 | 2 6 | 1 15 | 1 32 | 2 31 | 23 37 | 0 18 | 6 25 | 2 6 | 35 48 | 12 54 | 23 55 | 23 55 | 22 18 | | | n.a. |
| W 4 | 23 46 | 5 47 | 4 48 | 23 59 | 1 5 | 11 48 | 2 58 | 24 25 | 0 59 | 2 4 | 1 14 | 1 31 | 2 31 | 23 37 | 0 18 | 6 24 | 2 6 | 35 48 | 12 54 | 23 55 | 23 55 | 22 19 | | | n.a. |
| T 5 | 23 48 | 0 22 | 5 11 | 24 21 | 1 13 | 12 10 | 2 56 | 24 29 | 1 0 | 2 2 | 1 14 | 1 30 | 2 31 | 23 38 | 0 18 | 6 24 | 2 6 | 35 47 | 12 53 | 23 55 | 23 55 | 22 20 | | | n.a. |
| F 6 | 23 51 | 5n12 | 5 17 | 24 40 | 1 20 | 12 32 | 2 53 | 24 32 | 1 0 | 2 0 | 1 14 | 1 29 | 2 31 | 23 38 | 0 18 | 6 24 | 2 6 | 35 47 | 12 53 | 23 55 | 23 55 | 22 21 | | | n.a. |
| S 7 | 23 52 | 10 39 | 5 5 | 24 57 | 1 26 | 12 54 | 2 51 | 24 35 | 1 0 | 1 58 | 1 13 | 1 29 | 2 30 | 23 38 | 0 18 | 6 23 | 2 6 | 35 47 | 12 53 | 23 55 | 23 55 | 22 22 | | | n.a. |
| S 8 | 23 54 | 15 40 | 4 34 | 25 11 | 1 31 | 13 16 | 2 48 | 24 38 | 1 1 | 1 56 | 1 13 | 1 28 | 2 30 | 23 39 | 0 18 | 6 23 | 2 6 | 35 46 | 12 53 | 23 55 | 23 55 | 22 23 | | | n.a. |
| M 9 | 23 55 | 19 53 | 3 45 | 25 22 | 1 36 | 13 38 | 2 46 | 24 41 | 1 1 | 1 54 | 1 13 | 1 27 | 2 30 | 23 39 | 0 18 | 6 23 | 2 6 | 35 46 | 12 53 | 23 55 | 23 55 | 22 23 | | | n.a. |
| T 10 | 23 55 | 22 52 | 2 40 | 25 31 | 1 40 | 14 0 | 2 43 | 24 44 | 1 1 | 1 51 | 1 13 | 1 26 | 2 29 | 23 40 | 0 18 | 6 22 | 2 6 | 35 46 | 12 53 | 23 55 | 23 55 | 22 24 | | | n.a. |
| W11 | 23 55 | 24 17 | 1 23 | 25 37 | 1 43 | 14 21 | 2 41 | 24 46 | 1 2 | 1 49 | 1 12 | 1 25 | 2 29 | 23 40 | 0 18 | 6 22 | 2 6 | 35 45 | 12 53 | 23 55 | 23 55 | 22 25 | | | n.a. |
| T 12 | 23 55 | 23 56 | 0 1 | 25 40 | 1 45 | 14 42 | 2 38 | 24 48 | 1 2 | 1 46 | 1 12 | 1 24 | 2 29 | 23 40 | 0 18 | 6 22 | 2 6 | 35 45 | 12 53 | 23 55 | 23 55 | 22 26 | | | n.a. |
| F 13 | 23 54 | 21 54 | 1s20 | 25 41 | 1 47 | 15 3 | 2 35 | 24 50 | 1 2 | 1 44 | 1 12 | 1 23 | 2 29 | 23 41 | 0 18 | 6 21 | 2 6 | 35 45 | 12 53 | 23 55 | 23 55 | 22 27 | | | n.a. |
| S 14 | 23 53 | 18 28 | 2 35 | 25 40 | 1 48 | 15 24 | 2 32 | 24 52 | 1 2 | 1 41 | 1 11 | 1 22 | 2 28 | 23 41 | 0 18 | 6 21 | 2 6 | 35 44 | 12 53 | 23 55 | 23 55 | 22 28 | | | n.a. |
| S 15 | 23 51 | 14 3 | 3 38 | 25 36 | 1 48 | 15 45 | 2 29 | 24 54 | 1 3 | 1 39 | 1 11 | 1 21 | 2 28 | 23 41 | 0 18 | 6 20 | 2 6 | 35 44 | 12 53 | 23 55 | 23 55 | 22 29 | | | n.a. |
| M16 | 23 49 | 9 1 | 4 26 | 25 30 | 1 48 | 16 5 | 2 26 | 24 55 | 1 3 | 1 36 | 1 11 | 1 20 | 2 28 | 23 42 | 0 18 | 6 20 | 2 6 | 35 44 | 12 53 | 23 55 | 23 55 | 22 30 | | | n.a. |
| T 17 | 23 47 | 3 44 | 4 59 | 25 22 | 1 47 | 16 25 | 2 23 | 24 57 | 1 3 | 1 33 | 1 10 | 1 19 | 2 28 | 23 42 | 0 18 | 6 20 | 2 6 | 35 44 | 12 53 | 23 55 | 23 55 | 22 31 | | | n.a. |
| W18 | 23 44 | 1s33 | 5 15 | 25 11 | 1 46 | 16 45 | 2 20 | 24 58 | 1 4 | 1 30 | 1 10 | 1 18 | 2 27 | 23 42 | 0 18 | 6 19 | 2 5 | 35 43 | 12 53 | 23 55 | 23 55 | 22 31 | | | n.a. |
| T 19 | 23 40 | 6 38 | 5 16 | 24 59 | 1 44 | 17 5 | 2 16 | 24 59 | 1 4 | 1 28 | 1 10 | 1 17 | 2 27 | 23 43 | 0 18 | 6 19 | 2 5 | 35 43 | 12 53 | 23 55 | 23 55 | 22 32 | | | n.a. |
| F 20 | 23 36 | 11 20 | 5 2 | 24 44 | 1 42 | 17 24 | 2 13 | 24 59 | 1 4 | 1 25 | 1 10 | 1 16 | 2 27 | 23 43 | 0 18 | 6 18 | 2 5 | 35 43 | 12 53 | 23 55 | 23 55 | 22 33 | | | n.a. |
| S 21 | 23 32 | 15 31 | 4 35 | 24 28 | 1 39 | 17 43 | 2 10 | 25 0 | 1 4 | 1 22 | 1 9 | 1 14 | 2 27 | 23 43 | 0 18 | 6 18 | 2 5 | 35 43 | 12 53 | 23 55 | 23 55 | 22 34 | | | n.a. |
| S 22 | 23 27 | 19 3 | 3 57 | 24 10 | 1 36 | 18 2 | 2 6 | 25 0 | 1 5 | 1 19 | 1 9 | 1 13 | 2 26 | 23 44 | 0 18 | 6 17 | 2 5 | 35 42 | 12 53 | 23 55 | 23 55 | 22 35 | | | n.a. |
| M23 | 23 22 | 21 47 | 3 8 | 23 51 | 1 33 | 18 20 | 2 3 | 25 0 | 1 5 | 1 16 | 1 9 | 1 12 | 2 26 | 23 44 | 0 18 | 6 17 | 2 5 | 35 42 | 12 53 | 23 55 | 23 55 | 22 36 | | | n.a. |
| T 24 | 23 17 | 23 35 | 2 12 | 23 30 | 1 29 | 18 38 | 2 0 | 25 0 | 1 5 | 1 12 | 1 9 | 1 10 | 2 26 | 23 44 | 0 18 | 6 16 | 2 5 | 35 42 | 12 53 | 23 55 | 23 54 | 22 36 | | | n.a. |
| W25 | 23 11 | 24 21 | 1 10 | 23 7 | 1 25 | 18 55 | 1 56 | 25 0 | 1 6 | 1 9 | 1 8 | 1 9 | 2 26 | 23 45 | 0 18 | 6 16 | 2 5 | 35 42 | 12 53 | 23 55 | 23 54 | 22 37 | | | n.a. |
| T 26 | 23 4 | 23 58 | 0 4 | 22 43 | 1 20 | 19 12 | 1 53 | 24 59 | 1 6 | 1 6 | 1 8 | 1 7 | 2 25 | 23 45 | 0 18 | 6 15 | 2 5 | 35 41 | 12 53 | 23 55 | 23 54 | 22 38 | | | n.a. |
| F 27 | 22 58 | 22 28 | 1n 3 | 22 18 | 1 15 | 19 29 | 1 49 | 24 59 | 1 6 | 1 3 | 1 8 | 1 6 | 2 25 | 23 45 | 0 18 | 6 15 | 2 5 | 35 41 | 12 53 | 23 55 | 23 54 | 22 39 | | | n.a. |
| S 28 | 22 50 | 19 52 | 2 8 | 21 52 | 1 10 | 19 46 | 1 45 | 24 58 | 1 6 | 0 59 | 1 7 | 1 4 | 2 25 | 23 45 | 0 18 | 6 14 | 2 5 | 35 41 | 12 53 | 23 55 | 23 54 | 22 40 | | | n.a. |
| S 29 | 22 43 | 16 19 | 3 8 | 21 25 | 1 4 | 20 1 | 1 42 | 24 57 | 1 7 | 0 56 | 1 7 | 1 3 | 2 25 | 23 46 | 0 18 | 6 14 | 2 5 | 35 41 | 12 54 | 23 55 | 23 54 | 22 40 | | | n.a. |
| M30 | 22 35 | 11 57 | 3 59 | 20 56 | 0 59 | 20 17 | 1 38 | 24 56 | 1 7 | 0 52 | 1 7 | 1 1 | 2 24 | 23 46 | 0 18 | 6 13 | 2 5 | 35 40 | 12 54 | 23 55 | 23 54 | 22 41 | | | n.a. |
| T 31 | 22n26 | 7s 0 | 4n39 | 20n27 | 0n53 | 20n32 | 1s34 | 24n54 | 1n 7 | 0n49 | 1n 7 | 1n 0 | 2n24 | 23n46 | 0n18 | 6n12 | 2n 5 | 35n40 | 12n54 | 23s55 | 23s54 | 22s42 | | | n.a. |

Julian Day Number = 994026.5, Delta T = 12h59m04s
Ecliptic obliquity = 23°55'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'48, Lahiri = -31°24'47 Julian Calendar 1 July 1992 BCE == Greg. Calendar 14 June 1992 BCE

The year -1991 astronomical counting style corresponds to year 1992 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## AUGUST 1992 BCE (-1991) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 31 2 | 20♋43'37 | 14♓13 | 5♌49 | 9♊ 8 | 6♋36 | 0♎38 | 3♎ 1 | 19♊11 | 19♍22 | 16♋28 | 28°R39 | 27♐36 | 28♏46 | n.a. | W 1 |
| T 2 | 19 34 58 | 21°42'16 | 27°39 | 7°25 | 10°16 | 7°14 | 0°46 | 3° 5 | 19°14 | 19°23 | 16°30 | 28♐36 | 27°33 | 28°53 | n.a. | T 2 |
| F 3 | 19 38 55 | 22°40'57 | 11♈20 | 9° 0 | 11°25 | 7°52 | 0°55 | 3° 8 | 19°18 | 19°24 | 16°32 | 28°35 | 27°29 | 29° 0 | n.a. | F 3 |
| S 4 | 19 42 51 | 23°39'40 | 25°15 | 10°35 | 12°34 | 8°31 | 1° 3 | 3°12 | 19°21 | 19°26 | 16°34 | 28°D34 | 27°26 | 29° 6 | n.a. | S 4 |
| S 5 | 19 46 48 | 24°38'26 | 9♉22 | 12° 8 | 13°43 | 9° 9 | 1°12 | 3°16 | 19°24 | 19°27 | 16°37 | 28°35 | 27°23 | 29°13 | n.a. | S 5 |
| M 6 | 19 50 44 | 25°37'15 | 23°41 | 13°40 | 14°53 | 9°47 | 1°21 | 3°20 | 19°27 | 19°29 | 16°39 | 28°36 | 27°20 | 29°20 | n.a. | M 6 |
| T 7 | 19 54 41 | 26°36'06 | 8♊ 9 | 15°11 | 16° 2 | 10°26 | 1°30 | 3°24 | 19°31 | 19°30 | 16°41 | 28°38 | 27°17 | 29°26 | n.a. | T 7 |
| W 8 | 19 58 38 | 27°35'00 | 22°43 | 16°41 | 17°12 | 11° 4 | 1°39 | 3°28 | 19°34 | 19°32 | 16°43 | 28°R39 | 27°14 | 29°33 | n.a. | W 8 |
| T 9 | 20 2 34 | 28°33'56 | 7♋17 | 18°10 | 18°21 | 11°42 | 1°48 | 3°32 | 19°37 | 19°33 | 16°45 | 28°38 | 27°10 | 29°40 | n.a. | T 9 |
| F 10 | 20 6 31 | 29°32'54 | 21°46 | 19°38 | 19°31 | 12°21 | 1°57 | 3°36 | 19°40 | 19°35 | 16°47 | 28°37 | 27° 7 | 29°46 | n.a. | F 10 |
| S 11 | 20 10 27 | 0♌31'54 | 6♌ 4 | 21° 5 | 20°41 | 12°59 | 2° 7 | 3°40 | 19°43 | 19°37 | 16°49 | 28°34 | 27° 4 | 29°53 | n.a. | S 11 |
| S 12 | 20 14 24 | 1°30'57 | 20° 6 | 22°31 | 21°51 | 13°38 | 2°16 | 3°44 | 19°46 | 19°38 | 16°51 | 28°29 | 27° 1 | 29°59 | n.a. | S 12 |
| M13 | 20 18 20 | 2°30'02 | 3♍47 | 23°56 | 23° 1 | 14°16 | 2°26 | 3°49 | 19°49 | 19°40 | 16°53 | 28°24 | 26°58 | 0♑ 6 | n.a. | M13 |
| T 14 | 20 22 17 | 3°29'08 | 17° 5 | 25°19 | 24°12 | 14°55 | 2°36 | 3°53 | 19°52 | 19°41 | 16°55 | 28°18 | 26°54 | 0°13 | n.a. | T 14 |
| W15 | 20 26 13 | 4°28'17 | 0♎ 0 | 26°42 | 25°22 | 15°33 | 2°46 | 3°58 | 19°55 | 19°43 | 16°57 | 28°13 | 26°51 | 0°20 | n.a. | W15 |
| T 16 | 20 30 10 | 5°27'28 | 12°35 | 28° 3 | 26°33 | 16°11 | 2°56 | 4° 3 | 19°58 | 19°45 | 16°59 | 28° 9 | 26°48 | 0°26 | n.a. | T 16 |
| F 17 | 20 34 6 | 6°26'40 | 24°51 | 29°24 | 27°44 | 16°50 | 3° 6 | 4° 7 | 20° 1 | 19°47 | 17° 1 | 28° 7 | 26°45 | 0°33 | n.a. | F 17 |
| S 18 | 20 38 3 | 7°25'55 | 6♏53 | 0♍42 | 28°54 | 17°28 | 3°16 | 4°12 | 20° 4 | 19°48 | 17° 3 | 28°D 6 | 26°42 | 0°40 | n.a. | S 18 |
| S 19 | 20 42 0 | 8°25'12 | 18°46 | 2° 0 | 0♋ 5 | 18° 7 | 3°26 | 4°17 | 20° 6 | 19°50 | 17° 5 | 28° 6 | 26°39 | 0°46 | n.a. | S 19 |
| M20 | 20 45 56 | 9°24'30 | 0♐35 | 3°16 | 1°16 | 18°45 | 3°36 | 4°22 | 20° 9 | 19°52 | 17° 7 | 28° 8 | 26°35 | 0°53 | n.a. | M20 |
| T 21 | 20 49 53 | 10°23'51 | 12°26 | 4°31 | 2°28 | 19°24 | 3°47 | 4°27 | 20°12 | 19°54 | 17° 9 | 28° 9 | 26°32 | 1° 0 | n.a. | T 21 |
| W22 | 20 53 49 | 11°23'14 | 24°22 | 5°44 | 3°39 | 20° 2 | 3°57 | 4°32 | 20°14 | 19°56 | 17°11 | 28°R10 | 26°29 | 1° 6 | n.a. | W22 |
| T 23 | 20 57 46 | 12°22'38 | 6♑28 | 6°56 | 4°50 | 20°41 | 4° 8 | 4°37 | 20°17 | 19°58 | 17°13 | 28°10 | 26°26 | 1°13 | n.a. | T 23 |
| F 24 | 21 1 42 | 13°22'05 | 18°48 | 8° 5 | 6° 2 | 21°19 | 4°19 | 4°42 | 20°20 | 19°59 | 17°15 | 28° 8 | 26°23 | 1°20 | n.a. | F 24 |
| S 25 | 21 5 39 | 14°21'34 | 1♒23 | 9°13 | 7°14 | 21°58 | 4°30 | 4°47 | 20°22 | 20° 1 | 17°17 | 28° 4 | 26°20 | 1°26 | n.a. | S 25 |
| S 26 | 21 9 35 | 15°21'05 | 14°15 | 10°19 | 8°25 | 22°36 | 4°40 | 4°52 | 20°25 | 20° 3 | 17°19 | 27°57 | 26°16 | 1°33 | n.a. | S 26 |
| M27 | 21 13 32 | 16°20'38 | 27°24 | 11°22 | 9°37 | 23°15 | 4°51 | 4°58 | 20°27 | 20° 5 | 17°21 | 27°49 | 26°13 | 1°40 | n.a. | M27 |
| T 28 | 21 17 28 | 17°20'13 | 10♓48 | 12°23 | 10°49 | 23°53 | 5° 3 | 5° 3 | 20°30 | 20° 7 | 17°23 | 27°41 | 26°10 | 1°46 | n.a. | T 28 |
| W29 | 21 21 25 | 18°19'51 | 24°24 | 13°21 | 12° 1 | 24°32 | 5°14 | 5° 8 | 20°32 | 20° 9 | 17°24 | 27°32 | 26° 7 | 1°53 | n.a. | W29 |
| T 30 | 21 25 22 | 19°19'31 | 8♈12 | 14°17 | 13°14 | 25°11 | 5°25 | 5°14 | 20°34 | 20°11 | 17°26 | 27°25 | 26° 4 | 2° 0 | n.a. | T 30 |
| F 31 | 21 29 18 | 20♌19'14 | 22♈ 7 | 15♍ 9 | 14♋26 | 25♋49 | 5♎36 | 5♎20 | 20♊37 | 20♍13 | 17♋28 | 27♐20 | 26♐ 0 | 2♑ 6 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 22n17 | 1s40 | 5n 5 | 19n57 | 0n47 | 20n46 | 1s31 | 24n53 | 1n 7 | 0n45 | 1n 6 | 0n58 | 2n24 | 23n47 | 0n18 | 6n12 | 2n 5 | 35n40 | 12n54 | 23s55 | 23s54 | 22s43 | | | n.a. |
| T 2 | 22 8 | 3n51 | 5 15 | 19 26 | 0 40 | 21 0 | 1 27 | 24 51 | 1 8 | 0 42 | 1 6 | 0 56 | 2 24 | 23 47 | 0 18 | 6 11 | 2 5 | 35 40 | 12 54 | 23 55 | 23 54 | 22 43 | | | n.a. |
| F 3 | 21 58 | 9 16 | 5 7 | 18 55 | 0 34 | 21 14 | 1 23 | 24 49 | 1 8 | 0 38 | 1 6 | 0 55 | 2 23 | 23 47 | 0 18 | 6 11 | 2 4 | 35 40 | 12 54 | 23 55 | 23 54 | 22 44 | | | n.a. |
| S 4 | 21 48 | 14 18 | 4 41 | 18 22 | 0 27 | 21 27 | 1 20 | 24 47 | 1 8 | 0 34 | 1 6 | 0 53 | 2 23 | 23 48 | 0 18 | 6 10 | 2 4 | 35 39 | 12 54 | 23 55 | 23 54 | 22 45 | | | n.a. |
| S 5 | 21 38 | 18 40 | 3 58 | 17 49 | 0 20 | 21 39 | 1 16 | 24 44 | 1 8 | 0 31 | 1 5 | 0 51 | 2 23 | 23 48 | 0 18 | 6 9 | 2 4 | 35 39 | 12 54 | 23 55 | 23 54 | 22 46 | | | n.a. |
| M 6 | 21 27 | 21 59 | 3 0 | 17 16 | 0 13 | 21 51 | 1 12 | 24 42 | 1 9 | 0 27 | 1 5 | 0 49 | 2 23 | 23 48 | 0 18 | 6 9 | 2 4 | 35 39 | 12 54 | 23 55 | 23 54 | 22 46 | | | n.a. |
| T 7 | 21 15 | 23 55 | 1 50 | 16 42 | 0 6 | 22 2 | 1 8 | 24 39 | 1 9 | 0 23 | 1 5 | 0 48 | 2 22 | 23 48 | 0 18 | 6 8 | 2 4 | 35 39 | 12 54 | 23 55 | 23 54 | 22 47 | | | n.a. |
| W 8 | 21 4 | 24 16 | 0 33 | 16 8 | 0s 1 | 22 13 | 1 5 | 24 36 | 1 9 | 0 19 | 1 5 | 0 46 | 2 22 | 23 49 | 0 19 | 6 7 | 2 4 | 35 39 | 12 55 | 23 55 | 23 54 | 22 48 | | | n.a. |
| T 9 | 20 52 | 22 56 | 0s47 | 15 33 | 0 9 | 22 23 | 1 1 | 24 33 | 1 9 | 0 15 | 1 4 | 0 44 | 2 22 | 23 49 | 0 19 | 6 7 | 2 4 | 35 39 | 12 55 | 23 55 | 23 54 | 22 49 | | | n.a. |
| F 10 | 20 39 | 20 6 | 2 3 | 14 58 | 0 16 | 22 33 | 0 57 | 24 30 | 1 10 | 0 11 | 1 4 | 0 42 | 2 22 | 23 49 | 0 19 | 6 6 | 2 4 | 35 39 | 12 55 | 23 55 | 23 53 | 22 49 | | | n.a. |
| S 11 | 20 27 | 16 4 | 3 11 | 14 23 | 0 24 | 22 42 | 0 53 | 24 26 | 1 10 | 0 7 | 1 4 | 0 40 | 2 21 | 23 49 | 0 19 | 6 5 | 2 4 | 35 38 | 12 55 | 23 55 | 23 53 | 22 50 | | | n.a. |
| S 12 | 20 13 | 11 13 | 4 5 | 13 47 | 0 32 | 22 51 | 0 50 | 24 22 | 1 10 | 0 3 | 1 4 | 0 38 | 2 21 | 23 50 | 0 19 | 6 5 | 2 4 | 35 38 | 12 55 | 23 55 | 23 53 | 22 51 | | | n.a. |
| M13 | 20 0 | 5 56 | 4 43 | 13 12 | 0 39 | 22 58 | 0 46 | 24 18 | 1 10 | 0s 1 | 1 4 | 0 36 | 2 21 | 23 50 | 0 19 | 6 4 | 2 4 | 35 38 | 12 55 | 23 55 | 23 53 | 22 51 | | | n.a. |
| T 14 | 19 46 | 0 31 | 5 6 | 12 36 | 0 47 | 23 6 | 0 42 | 24 14 | 1 11 | 0 5 | 1 3 | 0 34 | 2 21 | 23 50 | 0 19 | 6 3 | 2 4 | 35 38 | 12 56 | 23 55 | 23 53 | 22 52 | | | n.a. |
| W15 | 19 32 | 4s45 | 5 11 | 12 0 | 0 55 | 23 12 | 0 38 | 24 10 | 1 11 | 0 9 | 1 3 | 0 32 | 2 21 | 23 50 | 0 19 | 6 3 | 2 4 | 35 38 | 12 56 | 23 55 | 23 53 | 22 53 | | | n.a. |
| T 16 | 19 17 | 9 41 | 5 2 | 11 25 | 1 3 | 23 18 | 0 35 | 24 6 | 1 11 | 0 14 | 1 3 | 0 30 | 2 20 | 23 51 | 0 19 | 6 2 | 2 4 | 35 38 | 12 56 | 23 55 | 23 53 | 22 53 | | | n.a. |
| F 17 | 19 2 | 14 7 | 4 38 | 10 49 | 1 10 | 23 23 | 0 31 | 24 1 | 1 11 | 0 18 | 1 3 | 0 28 | 2 20 | 23 51 | 0 19 | 6 1 | 2 4 | 35 38 | 12 56 | 23 55 | 23 53 | 22 54 | | | n.a. |
| S 18 | 18 47 | 17 54 | 4 3 | 10 14 | 1 18 | 23 28 | 0 27 | 23 56 | 1 12 | 0 22 | 1 2 | 0 26 | 2 20 | 23 51 | 0 19 | 6 0 | 2 4 | 35 38 | 12 56 | 23 55 | 23 53 | 22 55 | | | n.a. |
| S 19 | 18 31 | 20 55 | 3 18 | 9 38 | 1 26 | 23 32 | 0 24 | 23 51 | 1 12 | 0 27 | 1 2 | 0 24 | 2 20 | 23 51 | 0 19 | 6 0 | 2 4 | 35 38 | 12 57 | 23 55 | 23 53 | 22 55 | | | n.a. |
| M20 | 18 16 | 23 2 | 2 24 | 9 3 | 1 34 | 23 35 | 0 20 | 23 46 | 1 12 | 0 31 | 1 2 | 0 22 | 2 20 | 23 52 | 0 19 | 5 59 | 2 4 | 35 37 | 12 57 | 23 55 | 23 53 | 22 56 | | | n.a. |
| T 21 | 17 59 | 24 8 | 1 25 | 8 29 | 1 41 | 23 38 | 0 16 | 23 41 | 1 12 | 0 35 | 1 2 | 0 19 | 2 19 | 23 52 | 0 19 | 5 58 | 2 4 | 35 37 | 12 57 | 23 55 | 23 53 | 22 57 | | | n.a. |
| W22 | 17 43 | 24 9 | 0 21 | 7 55 | 1 49 | 23 39 | 0 13 | 23 35 | 1 12 | 0 40 | 1 2 | 0 17 | 2 19 | 23 52 | 0 19 | 5 57 | 2 4 | 35 37 | 12 57 | 23 55 | 23 53 | 22 57 | | | n.a. |
| T 23 | 17 26 | 23 1 | 0n45 | 7 21 | 1 56 | 23 41 | 0 9 | 23 30 | 1 13 | 0 44 | 1 1 | 0 15 | 2 19 | 23 52 | 0 19 | 5 56 | 2 4 | 35 37 | 12 57 | 23 55 | 23 52 | 22 58 | | | n.a. |
| F 24 | 17 9 | 20 46 | 1 49 | 6 48 | 2 4 | 23 41 | 0 6 | 23 24 | 1 13 | 0 49 | 1 1 | 0 13 | 2 19 | 23 53 | 0 19 | 5 56 | 2 3 | 35 37 | 12 58 | 23 55 | 23 52 | 22 59 | | | n.a. |
| S 25 | 16 51 | 17 30 | 2 50 | 6 15 | 2 11 | 23 41 | 0 2 | 23 18 | 1 13 | 0 53 | 1 1 | 0 10 | 2 19 | 23 53 | 0 19 | 5 55 | 2 3 | 35 37 | 12 58 | 23 55 | 23 52 | 22 59 | | | n.a. |
| S 26 | 16 33 | 13 20 | 3 43 | 5 44 | 2 18 | 23 40 | 0n 1 | 23 11 | 1 13 | 0 58 | 1 1 | 0 8 | 2 18 | 23 53 | 0 19 | 5 54 | 2 3 | 35 37 | 12 58 | 23 54 | 23 52 | 23 0 | | | n.a. |
| M27 | 16 15 | 8 29 | 4 25 | 5 13 | 2 25 | 23 39 | 0 5 | 23 5 | 1 13 | 1 3 | 1 1 | 0 6 | 2 18 | 23 53 | 0 19 | 5 53 | 2 3 | 35 37 | 12 58 | 23 54 | 23 52 | 23 0 | | | n.a. |
| T 28 | 15 57 | 3 9 | 4 54 | 4 43 | 2 32 | 23 36 | 0 8 | 22 58 | 1 14 | 1 7 | 1 0 | 0 3 | 2 18 | 23 53 | 0 19 | 5 52 | 2 3 | 35 37 | 12 59 | 23 54 | 23 52 | 23 1 | | | n.a. |
| W29 | 15 38 | 2n24 | 5 6 | 4 15 | 2 38 | 23 33 | 0 11 | 22 52 | 1 14 | 1 12 | 1 0 | 0 1 | 2 18 | 23 54 | 0 19 | 5 52 | 2 3 | 35 37 | 12 59 | 23 54 | 23 52 | 23 2 | | | n.a. |
| T 30 | 15 19 | 7 55 | 5 1 | 3 48 | 2 44 | 23 30 | 0 15 | 22 45 | 1 14 | 1 17 | 1 0 | 0s 1 | 2 18 | 23 54 | 0 19 | 5 51 | 2 3 | 35 37 | 12 59 | 23 54 | 23 52 | 23 2 | | | n.a. |
| F 31 | 15n 0 | 13n 4 | 4n39 | 3n22 | 2s50 | 23n25 | 0n18 | 22n37 | 1n14 | 1s21 | 1n 0 | 0s 4 | 2n17 | 23n54 | 0n19 | 5n50 | 2n 3 | 35n37 | 12n59 | 23s54 | 23s52 | 23s 3 | | | n.a. |

Julian Day Number = 994057.5, Delta T = 12h59m02s
Ecliptic obliquity = 23°55'23, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'43, Lahiri = -31°24'43 Julian Calendar 1 Aug. 1992 BCE == Greg. Calendar 15 July 1992 BCE

The year -1991 astronomical counting style corresponds to year 1992 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## SEPTEMBER 1992 BCE (-1991) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 33 15 | 21♌18'58 | 6♉ 8 | 15♍57 | 15♋38 | 26♋28 | 5♎48 | 5♎25 | 20♊39 | 20♍15 | 17♋30 | 27°R16 | 25♐57 | 2♐13 | n.a. | S 1 |
| S 2 | 21 37 11 | 22°18'46 | 20°12 | 16°42 | 16°51 | 27° 6 | 5°59 | 5°31 | 20°41 | 20°17 | 17°32 | 27°D15 | 25°54 | 2°20 | n.a. | S 2 |
| M 3 | 21 41 8 | 23°18'36 | 4♊20 | 17°23 | 18° 3 | 27°45 | 6°11 | 5°36 | 20°43 | 20°19 | 17°34 | 27♐16 | 25°51 | 2°26 | n.a. | M 3 |
| T 4 | 21 45 4 | 24°18'28 | 18°29 | 17°58 | 19°16 | 28°24 | 6°22 | 5°42 | 20°46 | 20°21 | 17°35 | 27°16 | 25°48 | 2°33 | n.a. | T 4 |
| W 5 | 21 49 1 | 25°18'23 | 2♋38 | 18°29 | 20°29 | 29° 2 | 6°34 | 5°48 | 20°48 | 20°23 | 17°37 | 27°R16 | 25°45 | 2°39 | n.a. | W 5 |
| T 6 | 21 52 57 | 26°18'20 | 16°45 | 18°54 | 21°42 | 29°41 | 6°46 | 5°54 | 20°50 | 20°25 | 17°39 | 27°15 | 25°41 | 2°46 | n.a. | T 6 |
| F 7 | 21 56 54 | 27°18'20 | 0♌48 | 19°13 | 22°55 | 0♌19 | 6°58 | 6° 0 | 20°52 | 20°28 | 17°41 | 27°11 | 25°38 | 2°53 | n.a. | F 7 |
| S 8 | 22 0 50 | 28°18'22 | 14°43 | 19°25 | 24° 8 | 0°58 | 7°10 | 6° 6 | 20°54 | 20°30 | 17°42 | 27° 4 | 25°35 | 2°59 | n.a. | S 8 |
| S 9 | 22 4 47 | 29°18'26 | 28°26 | 19°R29 | 25°21 | 1°37 | 7°22 | 6°12 | 20°56 | 20°32 | 17°44 | 26°55 | 25°32 | 3° 6 | n.a. | S 9 |
| M10 | 22 8 44 | 0♍18'32 | 11♍54 | 19°26 | 26°34 | 2°16 | 7°34 | 6°18 | 20°57 | 20°34 | 17°46 | 26°44 | 25°29 | 3°13 | n.a. | M10 |
| T 11 | 22 12 40 | 1°18'39 | 25° 4 | 19°14 | 27°47 | 2°54 | 7°46 | 6°24 | 20°59 | 20°36 | 17°47 | 26°32 | 25°26 | 3°19 | n.a. | T 11 |
| W12 | 22 16 37 | 2°18'49 | 7♎55 | 18°54 | 29° 0 | 3°33 | 7°58 | 6°30 | 21° 1 | 20°38 | 17°49 | 26°21 | 25°22 | 3°26 | n.a. | W12 |
| T 13 | 22 20 33 | 3°19'01 | 20°27 | 18°24 | 0♌14 | 4°12 | 8°10 | 6°36 | 21° 3 | 20°40 | 17°50 | 26°12 | 25°19 | 3°33 | n.a. | T 13 |
| F 14 | 22 24 30 | 4°19'14 | 2♏42 | 17°45 | 1°27 | 4°50 | 8°23 | 6°43 | 21° 4 | 20°43 | 17°52 | 26° 5 | 25°16 | 3°39 | n.a. | F 14 |
| S 15 | 22 28 26 | 5°19'30 | 14°44 | 16°56 | 2°41 | 5°29 | 8°35 | 6°49 | 21° 6 | 20°45 | 17°54 | 26° 0 | 25°13 | 3°46 | n.a. | S 15 |
| S 16 | 22 32 23 | 6°19'47 | 26°36 | 15°59 | 3°55 | 6° 8 | 8°48 | 6°55 | 21° 8 | 20°47 | 17°55 | 25°58 | 25°10 | 3°53 | n.a. | S 16 |
| M17 | 22 36 19 | 7°20'05 | 8♐24 | 14°55 | 5° 8 | 6°47 | 9° 0 | 7° 2 | 21° 9 | 20°49 | 17°57 | 25°D57 | 25° 6 | 3°59 | n.a. | M17 |
| T 18 | 22 40 16 | 8°20'26 | 20°14 | 13°44 | 6°22 | 7°25 | 9°13 | 7° 8 | 21°10 | 20°51 | 17°58 | 25°R58 | 25° 3 | 4° 6 | n.a. | T 18 |
| W19 | 22 44 12 | 9°20'48 | 2♑10 | 12°28 | 7°36 | 8° 4 | 9°25 | 7°14 | 21°12 | 20°54 | 18° 0 | 25°58 | 25° 0 | 4°13 | n.a. | W19 |
| T 20 | 22 48 9 | 10°21'12 | 14°19 | 11°10 | 8°50 | 8°43 | 9°38 | 7°21 | 21°13 | 20°56 | 18° 1 | 25°56 | 24°57 | 4°19 | n.a. | T 20 |
| F 21 | 22 52 6 | 11°21'37 | 26°44 | 9°51 | 10° 4 | 9°22 | 9°51 | 7°27 | 21°15 | 20°58 | 18° 2 | 25°52 | 24°54 | 4°26 | n.a. | F 21 |
| S 22 | 22 56 2 | 12°22'04 | 9♒30 | 8°35 | 11°18 | 10° 0 | 10° 3 | 7°34 | 21°16 | 21° 0 | 18° 4 | 25°46 | 24°51 | 4°33 | n.a. | S 22 |
| S 23 | 22 59 59 | 13°22'33 | 22°37 | 7°24 | 12°32 | 10°39 | 10°16 | 7°40 | 21°17 | 21° 3 | 18° 5 | 25°37 | 24°47 | 4°39 | n.a. | S 23 |
| M24 | 23 3 55 | 14°23'03 | 6♓ 6 | 6°19 | 13°46 | 11°18 | 10°29 | 7°47 | 21°18 | 21° 5 | 18° 7 | 25°25 | 24°44 | 4°46 | n.a. | M24 |
| T 25 | 23 7 52 | 15°23'35 | 19°55 | 5°24 | 15° 0 | 11°57 | 10°42 | 7°54 | 21°19 | 21° 7 | 18° 8 | 25°13 | 24°41 | 4°53 | n.a. | T 25 |
| W26 | 23 11 48 | 16°24'09 | 4♈ 0 | 4°39 | 16°14 | 12°36 | 10°55 | 8° 0 | 21°20 | 21° 9 | 18° 9 | 25° 1 | 24°38 | 4°59 | n.a. | W26 |
| T 27 | 23 15 45 | 17°24'44 | 18°15 | 4° 5 | 17°29 | 13°15 | 11° 8 | 8° 7 | 21°21 | 21°12 | 18°10 | 24°50 | 24°35 | 5° 6 | n.a. | T 27 |
| F 28 | 23 19 41 | 18°25'22 | 2♉35 | 3°42 | 18°43 | 13°53 | 11°21 | 8°14 | 21°22 | 21°14 | 18°12 | 24°41 | 24°31 | 5°13 | n.a. | F 28 |
| S 29 | 23 23 38 | 19°26'01 | 16°54 | 3°D32 | 19°57 | 14°32 | 11°34 | 8°20 | 21°23 | 21°16 | 18°13 | 24°36 | 24°28 | 5°19 | n.a. | S 29 |
| S 30 | 23 27 34 | 20♍26'43 | 1♊10 | 3♍33 | 21♌12 | 15♌11 | 11♎47 | 8♎27 | 21♊24 | 21♍18 | 18♋14 | 24♐33 | 24♐25 | 5♐26 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n41 | 17n35 | 3n59 | 2n58 | 2s55 | 23n20 | 0n21 | 22n30 | 1n14 | 1s26 | 1n 0 | 0s 6 | 2n17 | 23n54 | 0n19 | 5n49 | 2n 3 | 35n37 | 13n 0 | 23s54 | 23s52 | 23s 3 | | n.a. |
| S 2 | 14 21 | 21 7 | 3 5 | 2 36 | 3 0 | 23 14 | 0 24 | 22 23 | 1 15 | 1 31 | 0 59 | 0 9 | 2 17 | 23 54 | 0 19 | 5 48 | 2 3 | 35 37 | 13 0 | 23 54 | 23 51 | 23 4 | | n.a. |
| M 3 | 14 1 | 23 24 | 2 0 | 2 16 | 3 4 | 23 8 | 0 27 | 22 15 | 1 15 | 1 36 | 0 59 | 0 11 | 2 17 | 23 55 | 0 19 | 5 47 | 2 3 | 35 37 | 13 0 | 23 54 | 23 51 | 23 5 | | n.a. |
| T 4 | 13 41 | 24 12 | 0 47 | 1 59 | 3 8 | 23 0 | 0 30 | 22 7 | 1 15 | 1 41 | 0 59 | 0 13 | 2 17 | 23 55 | 0 19 | 5 47 | 2 3 | 35 37 | 13 1 | 23 54 | 23 51 | 23 5 | | n.a. |
| W 5 | 13 21 | 23 25 | 0s29 | 1 44 | 3 11 | 22 52 | 0 33 | 21 59 | 1 15 | 1 46 | 0 59 | 0 16 | 2 17 | 23 55 | 0 19 | 5 46 | 2 3 | 35 37 | 13 1 | 23 54 | 23 51 | 23 6 | | n.a. |
| T 6 | 13 0 | 21 9 | 1 42 | 1 32 | 3 13 | 22 44 | 0 36 | 21 51 | 1 15 | 1 51 | 0 59 | 0 18 | 2 16 | 23 55 | 0 19 | 5 45 | 2 3 | 35 37 | 13 1 | 23 54 | 23 51 | 23 6 | | n.a. |
| F 7 | 12 39 | 17 38 | 2 49 | 1 23 | 3 14 | 22 35 | 0 39 | 21 43 | 1 16 | 1 55 | 0 59 | 0 21 | 2 16 | 23 55 | 0 19 | 5 44 | 2 3 | 35 37 | 13 2 | 23 54 | 23 51 | 23 7 | | n.a. |
| S 8 | 12 18 | 13 10 | 3 45 | 1 18 | 3 14 | 22 25 | 0 42 | 21 35 | 1 16 | 2 0 | 0 58 | 0 24 | 2 16 | 23 55 | 0 19 | 5 43 | 2 3 | 35 37 | 13 2 | 23 53 | 23 51 | 23 7 | | n.a. |
| S 9 | 11 57 | 8 5 | 4 27 | 1 17 | 3 13 | 22 14 | 0 45 | 21 26 | 1 16 | 2 5 | 0 58 | 0 26 | 2 16 | 23 56 | 0 19 | 5 42 | 2 3 | 35 38 | 13 2 | 23 53 | 23 51 | 23 8 | | n.a. |
| M10 | 11 35 | 2 44 | 4 53 | 1 21 | 3 11 | 22 3 | 0 47 | 21 17 | 1 16 | 2 10 | 0 58 | 0 29 | 2 16 | 23 56 | 0 19 | 5 41 | 2 3 | 35 38 | 13 3 | 23 53 | 23 51 | 23 8 | | n.a. |
| T 11 | 11 13 | 2s37 | 5 3 | 1 29 | 3 8 | 21 50 | 0 50 | 21 8 | 1 16 | 2 16 | 0 58 | 0 31 | 2 16 | 23 56 | 0 19 | 5 40 | 2 3 | 35 38 | 13 3 | 23 53 | 23 51 | 23 9 | | n.a. |
| W12 | 10 52 | 7 44 | 4 57 | 1 41 | 3 2 | 21 38 | 0 53 | 20 59 | 1 16 | 2 21 | 0 58 | 0 34 | 2 16 | 23 56 | 0 19 | 5 40 | 2 3 | 35 38 | 13 3 | 23 52 | 23 50 | 23 9 | | n.a. |
| T 13 | 10 29 | 12 24 | 4 37 | 2 0 | 2 56 | 21 24 | 0 55 | 20 50 | 1 17 | 2 26 | 0 57 | 0 36 | 2 15 | 23 56 | 0 19 | 5 39 | 2 3 | 35 38 | 13 4 | 23 52 | 23 50 | 23 10 | | n.a. |
| F 14 | 10 7 | 16 28 | 4 4 | 2 23 | 2 47 | 21 10 | 0 58 | 20 41 | 1 17 | 2 31 | 0 57 | 0 39 | 2 15 | 23 56 | 0 19 | 5 38 | 2 3 | 35 38 | 13 4 | 23 52 | 23 50 | 23 10 | | n.a. |
| S 15 | 9 45 | 19 46 | 3 21 | 2 52 | 2 36 | 20 56 | 1 0 | 20 31 | 1 17 | 2 36 | 0 57 | 0 42 | 2 15 | 23 56 | 0 19 | 5 37 | 2 3 | 35 38 | 13 4 | 23 52 | 23 50 | 23 11 | | n.a. |
| S 16 | 9 22 | 22 13 | 2 30 | 3 26 | 2 24 | 20 41 | 1 2 | 20 22 | 1 17 | 2 41 | 0 57 | 0 44 | 2 15 | 23 57 | 0 19 | 5 36 | 2 3 | 35 38 | 13 5 | 23 52 | 23 50 | 23 11 | | n.a. |
| M17 | 8 59 | 23 40 | 1 32 | 4 5 | 2 9 | 20 25 | 1 5 | 20 12 | 1 17 | 2 46 | 0 57 | 0 47 | 2 15 | 23 57 | 0 19 | 5 35 | 2 3 | 35 38 | 13 5 | 23 52 | 23 50 | 23 12 | | n.a. |
| T 18 | 8 36 | 24 4 | 0 30 | 4 47 | 1 53 | 20 8 | 1 7 | 20 2 | 1 17 | 2 51 | 0 57 | 0 50 | 2 15 | 23 57 | 0 19 | 5 34 | 2 3 | 35 39 | 13 5 | 23 52 | 23 50 | 23 12 | | n.a. |
| W19 | 8 13 | 23 21 | 0n33 | 5 33 | 1 35 | 19 51 | 1 9 | 19 52 | 1 18 | 2 57 | 0 57 | 0 52 | 2 15 | 23 57 | 0 20 | 5 33 | 2 3 | 35 39 | 13 6 | 23 52 | 23 50 | 23 13 | | n.a. |
| T 20 | 7 50 | 21 33 | 1 36 | 6 21 | 1 16 | 19 33 | 1 11 | 19 42 | 1 18 | 3 2 | 0 56 | 0 55 | 2 15 | 23 57 | 0 20 | 5 32 | 2 3 | 35 39 | 13 6 | 23 52 | 23 49 | 23 13 | | n.a. |
| F 21 | 7 27 | 18 41 | 2 36 | 7 10 | 0 56 | 19 15 | 1 13 | 19 31 | 1 18 | 3 7 | 0 56 | 0 58 | 2 14 | 23 57 | 0 20 | 5 31 | 2 3 | 35 39 | 13 7 | 23 51 | 23 49 | 23 14 | | n.a. |
| S 22 | 7 3 | 14 53 | 3 29 | 7 58 | 0 35 | 18 56 | 1 15 | 19 21 | 1 18 | 3 12 | 0 56 | 1 1 | 2 14 | 23 57 | 0 20 | 5 31 | 2 3 | 35 39 | 13 7 | 23 51 | 23 49 | 23 14 | | n.a. |
| S 23 | 6 40 | 10 16 | 4 13 | 8 44 | 0 15 | 18 37 | 1 17 | 19 10 | 1 18 | 3 17 | 0 56 | 1 3 | 2 14 | 23 57 | 0 20 | 5 30 | 2 3 | 35 39 | 13 7 | 23 51 | 23 49 | 23 15 | | n.a. |
| M24 | 6 16 | 5 4 | 4 44 | 9 27 | 0n 5 | 18 17 | 1 19 | 18 59 | 1 18 | 3 23 | 0 56 | 1 6 | 2 14 | 23 57 | 0 20 | 5 29 | 2 3 | 35 40 | 13 8 | 23 51 | 23 49 | 23 15 | | n.a. |
| T 25 | 5 52 | 0n30 | 4 59 | 10 6 | 0 25 | 17 56 | 1 20 | 18 48 | 1 18 | 3 28 | 0 56 | 1 9 | 2 14 | 23 58 | 0 20 | 5 28 | 2 3 | 35 40 | 13 8 | 23 50 | 23 49 | 23 15 | | n.a. |
| W26 | 5 28 | 6 9 | 4 57 | 10 40 | 0 43 | 17 35 | 1 22 | 18 37 | 1 18 | 3 33 | 0 56 | 1 12 | 2 14 | 23 58 | 0 20 | 5 27 | 2 3 | 35 40 | 13 9 | 23 50 | 23 49 | 23 16 | | n.a. |
| T 27 | 5 4 | 11 32 | 4 36 | 11 8 | 1 0 | 17 14 | 1 23 | 18 26 | 1 19 | 3 39 | 0 55 | 1 14 | 2 14 | 23 58 | 0 20 | 5 26 | 2 3 | 35 40 | 13 9 | 23 49 | 23 49 | 23 16 | | n.a. |
| F 28 | 4 40 | 16 19 | 3 58 | 11 30 | 1 15 | 16 52 | 1 25 | 18 15 | 1 19 | 3 44 | 0 55 | 1 17 | 2 14 | 23 58 | 0 20 | 5 25 | 2 3 | 35 40 | 13 9 | 23 49 | 23 48 | 23 17 | | n.a. |
| S 29 | 4 16 | 20 10 | 3 5 | 11 47 | 1 28 | 16 29 | 1 26 | 18 3 | 1 19 | 3 49 | 0 55 | 1 20 | 2 14 | 23 58 | 0 20 | 5 24 | 2 3 | 35 41 | 13 10 | 23 49 | 23 48 | 23 17 | | n.a. |
| S 30 | 3n52 | 22n46 | 2n 0 | 11n57 | 1n40 | 16n 6 | 1n28 | 17n52 | 1n19 | 3s55 | 0n55 | 1s23 | 2n14 | 23n58 | 0n20 | 5n23 | 2n 3 | 35n41 | 13n10 | 23s48 | 23s48 | 23s17 | | n.a. |

Julian Day Number = 994088.5, Delta T = 12h59m00s
Ecliptic obliquity = 23°55'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'39, Lahiri = -31°24'39 Julian Calendar 1 Sept. 1992 BCE == Greg. Calendar 15 Aug. 1992 BCE


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## OCTOBER 1992 BCE (-1991) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 31 31 | 21♍27'26 | 15♊19 | 3♍44 | 22♌26 | 15♌50 | 12♎ 0 | 8♎34 | 21♊25 | 21♍21 | 18♋15 | 24°R32 | 24♐22 | 5♐33 | n.a. | M 1 |
| T 2 | 23 35 28 | 22°28'11 | 29°21 | 4° 6 | 23°41 | 16°29 | 12°14 | 8°41 | 21°25 | 21°23 | 18°16 | 24♐32 | 24°19 | 5°39 | n.a. | T 2 |
| W 3 | 23 39 24 | 23°28'59 | 13♋15 | 4°37 | 24°56 | 17° 8 | 12°27 | 8°47 | 21°26 | 21°25 | 18°17 | 24°31 | 24°16 | 5°46 | n.a. | W 3 |
| T 4 | 23 43 21 | 24°29'48 | 27° 1 | 5°17 | 26°10 | 17°47 | 12°40 | 8°54 | 21°27 | 21°27 | 18°19 | 24°29 | 24°12 | 5°52 | n.a. | T 4 |
| F 5 | 23 47 17 | 25°30'38 | 10♌39 | 6° 4 | 27°25 | 18°26 | 12°53 | 9° 1 | 21°27 | 21°30 | 18°20 | 24°23 | 24° 9 | 5°59 | n.a. | F 5 |
| S 6 | 23 51 14 | 26°31'31 | 24° 7 | 6°57 | 28°40 | 19° 5 | 13° 7 | 9° 8 | 21°28 | 21°32 | 18°21 | 24°15 | 24° 6 | 6° 6 | n.a. | S 6 |
| S 7 | 23 55 10 | 27°32'25 | 7♍26 | 7°56 | 29°55 | 19°44 | 13°20 | 9°15 | 21°28 | 21°34 | 18°22 | 24° 3 | 24° 3 | 6°12 | n.a. | S 7 |
| M 8 | 23 59 7 | 28°33'20 | 20°33 | 9° 0 | 1♍ 9 | 20°23 | 13°34 | 9°22 | 21°28 | 21°36 | 18°23 | 23°50 | 24° 0 | 6°19 | n.a. | M 8 |
| T 9 | 0 3 3 | 29°34'17 | 3♎26 | 10° 9 | 2°24 | 21° 2 | 13°47 | 9°29 | 21°29 | 21°39 | 18°23 | 23°36 | 23°57 | 6°26 | n.a. | T 9 |
| W10 | 0 7 0 | 0♎35'15 | 16° 4 | 11°21 | 3°39 | 21°41 | 14° 0 | 9°36 | 21°29 | 21°41 | 18°24 | 23°22 | 23°53 | 6°32 | n.a. | W10 |
| T 11 | 0 10 57 | 1°36'14 | 28°28 | 12°37 | 4°54 | 22°20 | 14°14 | 9°42 | 21°29 | 21°43 | 18°25 | 23°10 | 23°50 | 6°39 | n.a. | T 11 |
| F 12 | 0 14 53 | 2°37'15 | 10♏39 | 13°55 | 6° 9 | 22°59 | 14°27 | 9°49 | 21°29 | 21°45 | 18°26 | 23° 1 | 23°47 | 6°46 | n.a. | F 12 |
| S 13 | 0 18 50 | 3°38'17 | 22°37 | 15°16 | 7°24 | 23°38 | 14°41 | 9°56 | 21°29 | 21°48 | 18°27 | 22°55 | 23°44 | 6°52 | n.a. | S 13 |
| S 14 | 0 22 46 | 4°39'19 | 4♐28 | 16°39 | 8°39 | 24°17 | 14°54 | 10° 3 | 21°R29 | 21°50 | 18°28 | 22°51 | 23°41 | 6°59 | n.a. | S 14 |
| M15 | 0 26 43 | 5°40'23 | 16°15 | 18° 3 | 9°54 | 24°56 | 15° 8 | 10°10 | 21°29 | 21°52 | 18°28 | 22°49 | 23°37 | 7° 6 | n.a. | M15 |
| T 16 | 0 30 39 | 6°41'28 | 28° 3 | 19°29 | 11° 9 | 25°35 | 15°22 | 10°17 | 21°29 | 21°54 | 18°29 | 22°D49 | 23°34 | 7°12 | n.a. | T 16 |
| W17 | 0 34 36 | 7°42'33 | 9♑57 | 20°55 | 12°24 | 26°14 | 15°35 | 10°24 | 21°29 | 21°56 | 18°30 | 22°R49 | 23°31 | 7°19 | n.a. | W17 |
| T 18 | 0 38 32 | 8°43'39 | 22° 4 | 22°23 | 13°39 | 26°53 | 15°49 | 10°31 | 21°29 | 21°59 | 18°31 | 22°49 | 23°28 | 7°26 | n.a. | T 18 |
| F 19 | 0 42 29 | 9°44'46 | 4♒28 | 23°52 | 14°54 | 27°32 | 16° 2 | 10°38 | 21°29 | 22° 1 | 18°31 | 22°46 | 23°25 | 7°32 | n.a. | F 19 |
| S 20 | 0 46 26 | 10°45'54 | 17°15 | 25°22 | 16°10 | 28°11 | 16°16 | 10°45 | 21°28 | 22° 3 | 18°32 | 22°41 | 23°22 | 7°39 | n.a. | S 20 |
| S 21 | 0 50 22 | 11°47'02 | 0♓27 | 26°52 | 17°25 | 28°50 | 16°30 | 10°52 | 21°28 | 22° 5 | 18°32 | 22°33 | 23°18 | 7°46 | n.a. | S 21 |
| M22 | 0 54 19 | 12°48'11 | 14° 6 | 28°22 | 18°40 | 29°29 | 16°43 | 10°59 | 21°28 | 22° 7 | 18°33 | 22°23 | 23°15 | 7°52 | n.a. | M22 |
| T 23 | 0 58 15 | 13°49'21 | 28°11 | 29°53 | 19°55 | 0♍ 8 | 16°57 | 11° 6 | 21°27 | 22° 9 | 18°33 | 22°12 | 23°12 | 7°59 | n.a. | T 23 |
| W24 | 1 2 12 | 14°50'32 | 12♈36 | 1♎24 | 21°10 | 0°48 | 17°11 | 11°13 | 21°26 | 22°11 | 18°34 | 22° 1 | 23° 9 | 8° 6 | n.a. | W24 |
| T 25 | 1 6 8 | 15°51'43 | 27°17 | 2°56 | 22°26 | 1°27 | 17°24 | 11°20 | 21°26 | 22°14 | 18°34 | 21°51 | 23° 6 | 8°12 | n.a. | T 25 |
| F 26 | 1 10 5 | 16°52'55 | 12♉ 5 | 4°28 | 23°41 | 2° 6 | 17°38 | 11°27 | 21°25 | 22°16 | 18°35 | 21°43 | 23° 3 | 8°19 | n.a. | F 26 |
| S 27 | 1 14 1 | 17°54'08 | 26°51 | 6° 0 | 24°56 | 2°45 | 17°52 | 11°34 | 21°25 | 22°18 | 18°35 | 21°38 | 22°59 | 8°25 | n.a. | S 27 |
| S 28 | 1 17 58 | 18°55'23 | 11♊29 | 7°32 | 26°12 | 3°24 | 18° 5 | 11°41 | 21°24 | 22°20 | 18°35 | 21°35 | 22°56 | 8°32 | n.a. | S 28 |
| M29 | 1 21 55 | 19°56'38 | 25°54 | 9° 5 | 27°27 | 4° 3 | 18°19 | 11°48 | 21°23 | 22°22 | 18°36 | 21°D35 | 22°53 | 8°39 | n.a. | M29 |
| T 30 | 1 25 51 | 20°57'54 | 10♋ 4 | 10°37 | 28°42 | 4°42 | 18°33 | 11°55 | 21°22 | 22°24 | 18°36 | 21°36 | 22°50 | 8°45 | n.a. | T 30 |
| W31 | 1 29 48 | 21♎59'10 | 23♋57 | 12♎10 | 29♍58 | 5♍22 | 18♎47 | 12♎ 2 | 21♊21 | 22♍26 | 18♋36 | 21°R36 | 22♐47 | 8♐52 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| M 1 | 3n27 | 23n54 | 0n49 | 12n 2 | 1n50 | 15n42 | 1n29 | 17n40 | 1n19 | 4s 0 | 0n55 | 1s25 | 2n13 | 23n58 | 0n20 | 5n22 | 2n 3 | 35n41 | 13n11 | 23s48 | 23s48 | 23s18 | | | n.a. |
| T 2 | 3 3 | 23 30 | 0s25 | 12 2 | 1 58 | 15 18 | 1 30 | 17 28 | 1 19 | 4 5 | 0 55 | 1 28 | 2 13 | 23 58 | 0 20 | 5 21 | 2 3 | 35 41 | 13 11 | 23 48 | 23 48 | 23 18 | | | n.a. |
| W 3 | 2 38 | 21 38 | 1 37 | 11 56 | 2 5 | 14 54 | 1 31 | 17 16 | 1 19 | 4 11 | 0 55 | 1 31 | 2 13 | 23 58 | 0 20 | 5 21 | 2 3 | 35 42 | 13 11 | 23 48 | 23 48 | 23 19 | | | n.a. |
| T 4 | 2 14 | 18 31 | 2 43 | 11 46 | 2 10 | 14 29 | 1 32 | 17 4 | 1 19 | 4 16 | 0 55 | 1 34 | 2 13 | 23 58 | 0 20 | 5 20 | 2 3 | 35 42 | 13 12 | 23 48 | 23 48 | 23 19 | | | n.a. |
| F 5 | 1 49 | 14 26 | 3 38 | 11 32 | 2 14 | 14 4 | 1 33 | 16 52 | 1 19 | 4 21 | 0 54 | 1 37 | 2 13 | 23 58 | 0 20 | 5 19 | 2 3 | 35 42 | 13 12 | 23 48 | 23 47 | 23 19 | | | n.a. |
| S 6 | 1 24 | 9 40 | 4 20 | 11 14 | 2 16 | 13 38 | 1 34 | 16 40 | 1 20 | 4 27 | 0 54 | 1 39 | 2 13 | 23 58 | 0 20 | 5 18 | 2 3 | 35 42 | 13 13 | 23 48 | 23 47 | 23 20 | | | n.a. |
| S 7 | 1 0 | 4 31 | 4 48 | 10 53 | 2 18 | 13 12 | 1 35 | 16 27 | 1 20 | 4 32 | 0 54 | 1 42 | 2 13 | 23 59 | 0 20 | 5 17 | 2 3 | 35 43 | 13 13 | 23 47 | 23 47 | 23 20 | | | n.a. |
| M 8 | 0 35 | 0s45 | 4 59 | 10 29 | 2 19 | 12 46 | 1 35 | 16 15 | 1 20 | 4 38 | 0 54 | 1 45 | 2 13 | 23 59 | 0 20 | 5 16 | 2 3 | 35 43 | 13 14 | 23 47 | 23 47 | 23 20 | | | n.a. |
| T 9 | 0 10 | 5 54 | 4 56 | 10 2 | 2 18 | 12 19 | 1 36 | 16 2 | 1 20 | 4 43 | 0 54 | 1 48 | 2 13 | 23 59 | 0 20 | 5 15 | 2 3 | 35 43 | 13 14 | 23 46 | 23 47 | 23 21 | | | n.a. |
| W10 | 0s14 | 10 42 | 4 37 | 9 33 | 2 17 | 11 52 | 1 36 | 15 49 | 1 20 | 4 49 | 0 54 | 1 51 | 2 13 | 23 59 | 0 20 | 5 14 | 2 3 | 35 44 | 13 15 | 23 45 | 23 47 | 23 21 | | | n.a. |
| T 11 | 0 39 | 14 58 | 4 6 | 9 2 | 2 15 | 11 24 | 1 37 | 15 36 | 1 20 | 4 54 | 0 54 | 1 54 | 2 13 | 23 59 | 0 20 | 5 13 | 2 3 | 35 44 | 13 15 | 23 45 | 23 47 | 23 22 | | | n.a. |
| F 12 | 1 4 | 18 32 | 3 24 | 8 29 | 2 13 | 10 56 | 1 37 | 15 23 | 1 20 | 4 59 | 0 54 | 1 56 | 2 13 | 23 59 | 0 20 | 5 13 | 2 3 | 35 44 | 13 15 | 23 44 | 23 46 | 23 22 | | | n.a. |
| S 13 | 1 28 | 21 15 | 2 33 | 7 54 | 2 9 | 10 28 | 1 37 | 15 10 | 1 20 | 5 5 | 0 54 | 1 59 | 2 13 | 23 59 | 0 20 | 5 12 | 2 3 | 35 45 | 13 16 | 23 44 | 23 46 | 23 22 | | | n.a. |
| S 14 | 1 53 | 23 2 | 1 36 | 7 18 | 2 6 | 10 0 | 1 38 | 14 57 | 1 20 | 5 10 | 0 53 | 2 2 | 2 13 | 23 59 | 0 20 | 5 11 | 2 3 | 35 45 | 13 16 | 23 44 | 23 46 | 23 22 | | | n.a. |
| M15 | 2 18 | 23 46 | 0 35 | 6 41 | 2 2 | 9 31 | 1 38 | 14 44 | 1 20 | 5 16 | 0 53 | 2 5 | 2 13 | 23 59 | 0 20 | 5 10 | 2 3 | 35 45 | 13 17 | 23 43 | 23 46 | 23 23 | | | n.a. |
| T 16 | 2 42 | 23 27 | 0n28 | 6 2 | 1 57 | 9 2 | 1 38 | 14 30 | 1 20 | 5 21 | 0 53 | 2 8 | 2 13 | 23 59 | 0 20 | 5 9 | 2 3 | 35 46 | 13 17 | 23 43 | 23 46 | 23 23 | | | n.a. |
| W17 | 3 7 | 22 3 | 1 30 | 5 23 | 1 52 | 8 33 | 1 38 | 14 17 | 1 20 | 5 26 | 0 53 | 2 11 | 2 12 | 23 59 | 0 20 | 5 8 | 2 3 | 35 46 | 13 18 | 23 43 | 23 46 | 23 23 | | | n.a. |
| T 18 | 3 32 | 19 38 | 2 29 | 4 43 | 1 47 | 8 3 | 1 38 | 14 3 | 1 21 | 5 32 | 0 53 | 2 13 | 2 12 | 23 59 | 0 20 | 5 7 | 2 3 | 35 46 | 13 18 | 23 43 | 23 45 | 23 24 | | | n.a. |
| F 19 | 3 56 | 16 16 | 3 22 | 4 2 | 1 42 | 7 33 | 1 38 | 13 50 | 1 21 | 5 37 | 0 53 | 2 16 | 2 12 | 23 59 | 0 20 | 5 6 | 2 3 | 35 47 | 13 19 | 23 43 | 23 45 | 23 24 | | | n.a. |
| S 20 | 4 21 | 12 3 | 4 7 | 3 21 | 1 36 | 7 3 | 1 37 | 13 36 | 1 21 | 5 43 | 0 53 | 2 19 | 2 12 | 23 59 | 0 20 | 5 6 | 2 3 | 35 47 | 13 19 | 23 43 | 23 45 | 23 24 | | | n.a. |
| S 21 | 4 45 | 7 10 | 4 41 | 2 39 | 1 30 | 6 33 | 1 37 | 13 22 | 1 21 | 5 48 | 0 53 | 2 22 | 2 12 | 23 59 | 0 20 | 5 5 | 2 3 | 35 48 | 13 20 | 23 43 | 23 45 | 23 25 | | | n.a. |
| M22 | 5 9 | 1 47 | 4 59 | 1 57 | 1 24 | 6 3 | 1 37 | 13 8 | 1 21 | 5 54 | 0 53 | 2 25 | 2 12 | 23 59 | 0 20 | 5 4 | 2 3 | 35 48 | 13 20 | 23 42 | 23 45 | 23 25 | | | n.a. |
| T 23 | 5 34 | 3n51 | 5 1 | 1 14 | 1 18 | 5 32 | 1 36 | 12 54 | 1 21 | 5 59 | 0 53 | 2 27 | 2 12 | 23 59 | 0 20 | 5 3 | 2 3 | 35 48 | 13 21 | 23 41 | 23 45 | 23 25 | | | n.a. |
| W24 | 5 58 | 9 25 | 4 44 | 0 31 | 1 12 | 5 2 | 1 36 | 12 40 | 1 21 | 6 4 | 0 52 | 2 30 | 2 12 | 23 59 | 0 21 | 5 2 | 2 3 | 35 49 | 13 21 | 23 41 | 23 45 | 23 25 | | | n.a. |
| T 25 | 6 22 | 14 33 | 4 7 | 0s12 | 1 5 | 4 31 | 1 35 | 12 26 | 1 21 | 6 10 | 0 52 | 2 33 | 2 12 | 23 59 | 0 21 | 5 1 | 2 3 | 35 49 | 13 22 | 23 40 | 23 44 | 23 26 | | | n.a. |
| F 26 | 6 46 | 18 50 | 3 14 | 0 55 | 0 59 | 4 0 | 1 35 | 12 12 | 1 21 | 6 15 | 0 52 | 2 36 | 2 12 | 23 59 | 0 21 | 5 1 | 2 3 | 35 50 | 13 22 | 23 39 | 23 44 | 23 26 | | | n.a. |
| S 27 | 7 10 | 21 55 | 2 8 | 1 38 | 0 52 | 3 29 | 1 34 | 11 57 | 1 21 | 6 21 | 0 52 | 2 39 | 2 12 | 23 59 | 0 21 | 5 0 | 2 3 | 35 50 | 13 23 | 23 39 | 23 44 | 23 26 | | | n.a. |
| S 28 | 7 33 | 23 30 | 0 54 | 2 21 | 0 45 | 2 58 | 1 33 | 11 43 | 1 21 | 6 26 | 0 52 | 2 41 | 2 12 | 23 59 | 0 21 | 4 59 | 2 3 | 35 50 | 13 23 | 23 39 | 23 44 | 23 26 | | | n.a. |
| M29 | 7 57 | 23 28 | 0s23 | 3 5 | 0 39 | 2 26 | 1 32 | 11 28 | 1 21 | 6 31 | 0 52 | 2 44 | 2 12 | 23 59 | 0 21 | 4 58 | 2 3 | 35 51 | 13 24 | 23 39 | 23 44 | 23 27 | | | n.a. |
| T 30 | 8 21 | 21 55 | 1 37 | 3 48 | 0 32 | 1 55 | 1 31 | 11 14 | 1 21 | 6 37 | 0 52 | 2 47 | 2 12 | 23 59 | 0 21 | 4 57 | 2 3 | 35 51 | 13 24 | 23 39 | 23 43 | 23 27 | | | n.a. |
| W31 | 8s44 | 19n 3 | 2s44 | 4s31 | 0n25 | 1n24 | 1n30 | 10n59 | 1n21 | 6s42 | 0n52 | 2s50 | 2n12 | 23n59 | 0n21 | 4n57 | 2n 3 | 35n52 | 13n25 | 23s39 | 23s43 | 23s27 | | | n.a. |

Julian Day Number = 994118.5, Delta T = 12h58m58s
Ecliptic obliquity = 23°55'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'35, Lahiri = -31°24'35 Julian Calendar 1 Oct. 1992 BCE == Greg. Calendar 14 Sept. 1992 BCE

The year -1991 astronomical counting style corresponds to year 1992 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## NOVEMBER 1992 BCE (-1991) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 33 44 | 23♎ 0'28 | 7♌35 | 13♎43 | 1♎13 | 6♍ 1 | 19♎ 0 | 12♎ 9 | 21°R20 | 22♍28 | 18♋36 | 21°R35 | 22♐43 | 8♐59 | n.a. | T 1 |
| F 2 | 1 37 41 | 24° 1'46 | 20°58 | 15°16 | 2°28 | 6°40 | 19°14 | 12°16 | 21♊19 | 22°30 | 18°37 | 21♐32 | 22°40 | 9° 5 | n.a. | F 2 |
| S 3 | 1 41 37 | 25° 3'05 | 4♍ 7 | 16°49 | 3°44 | 7°19 | 19°28 | 12°23 | 21°18 | 22°32 | 18°37 | 21°26 | 22°37 | 9°12 | n.a. | S 3 |
| S 4 | 1 45 34 | 26° 4'25 | 17° 4 | 18°23 | 4°59 | 7°58 | 19°41 | 12°29 | 21°17 | 22°34 | 18°37 | 21°18 | 22°34 | 9°19 | n.a. | S 4 |
| M 5 | 1 49 31 | 27° 5'45 | 29°48 | 19°56 | 6°14 | 8°38 | 19°55 | 12°36 | 21°16 | 22°36 | 18°37 | 21° 8 | 22°31 | 9°25 | n.a. | M 5 |
| T 6 | 1 53 27 | 28° 7'05 | 12♎22 | 21°30 | 7°30 | 9°17 | 20° 9 | 12°43 | 21°15 | 22°38 | 18°37 | 20°57 | 22°28 | 9°32 | n.a. | T 6 |
| W 7 | 1 57 24 | 29° 8'26 | 24°44 | 23° 4 | 8°45 | 9°56 | 20°22 | 12°50 | 21°13 | 22°40 | 18°R37 | 20°47 | 22°24 | 9°39 | n.a. | W 7 |
| T 8 | 2 1 20 | 0♏ 9'48 | 6♏55 | 24°38 | 10° 1 | 10°35 | 20°36 | 12°57 | 21°12 | 22°42 | 18°37 | 20°38 | 22°21 | 9°45 | n.a. | T 8 |
| F 9 | 2 5 17 | 1°11'09 | 18°57 | 26°12 | 11°16 | 11°15 | 20°49 | 13° 4 | 21°11 | 22°44 | 18°37 | 20°31 | 22°18 | 9°52 | n.a. | F 9 |
| S 10 | 2 9 13 | 2°12'30 | 0♐51 | 27°46 | 12°31 | 11°54 | 21° 3 | 13°10 | 21° 9 | 22°45 | 18°37 | 20°26 | 22°15 | 9°59 | n.a. | S 10 |
| S 11 | 2 13 10 | 3°13'52 | 12°39 | 29°21 | 13°47 | 12°33 | 21°17 | 13°17 | 21° 8 | 22°47 | 18°37 | 20°24 | 22°12 | 10° 5 | n.a. | S 11 |
| M12 | 2 17 7 | 4°15'13 | 24°25 | 0♑56 | 15° 2 | 13°12 | 21°30 | 13°24 | 21° 6 | 22°49 | 18°37 | 20°D23 | 22° 8 | 10°12 | n.a. | M12 |
| T 13 | 2 21 3 | 5°16'35 | 6♑12 | 2°31 | 16°18 | 13°52 | 21°44 | 13°30 | 21° 5 | 22°51 | 18°36 | 20°25 | 22° 5 | 10°19 | n.a. | T 13 |
| W14 | 2 25 0 | 6°17'56 | 18° 5 | 4° 6 | 17°33 | 14°31 | 21°57 | 13°37 | 21° 3 | 22°53 | 18°36 | 20°26 | 22° 2 | 10°25 | n.a. | W14 |
| T 15 | 2 28 56 | 7°19'17 | 0♒10 | 5°42 | 18°48 | 15°10 | 22°11 | 13°44 | 21° 2 | 22°54 | 18°36 | 20°27 | 21°59 | 10°32 | n.a. | T 15 |
| F 16 | 2 32 53 | 8°20'37 | 12°30 | 7°18 | 20° 4 | 15°49 | 22°24 | 13°50 | 21° 0 | 22°56 | 18°36 | 20°R28 | 21°56 | 10°38 | n.a. | F 16 |
| S 17 | 2 36 49 | 9°21'57 | 25°12 | 8°54 | 21°19 | 16°29 | 22°37 | 13°57 | 20°58 | 22°58 | 18°35 | 20°26 | 21°53 | 10°45 | n.a. | S 17 |
| S 18 | 2 40 46 | 10°23'16 | 8♓19 | 10°31 | 22°35 | 17° 8 | 22°51 | 14° 3 | 20°56 | 22°59 | 18°35 | 20°23 | 21°49 | 10°52 | n.a. | S 18 |
| M19 | 2 44 42 | 11°24'35 | 21°55 | 12° 8 | 23°50 | 17°47 | 23° 4 | 14°10 | 20°55 | 23° 1 | 18°35 | 20°18 | 21°46 | 10°58 | n.a. | M19 |
| T 20 | 2 48 39 | 12°25'53 | 5♈59 | 13°45 | 25° 5 | 18°26 | 23°18 | 14°16 | 20°53 | 23° 3 | 18°34 | 20°12 | 21°43 | 11° 5 | n.a. | T 20 |
| W21 | 2 52 36 | 13°27'11 | 20°30 | 15°23 | 26°21 | 19° 6 | 23°31 | 14°23 | 20°51 | 23° 4 | 18°34 | 20° 6 | 21°40 | 11°12 | n.a. | W21 |
| T 22 | 2 56 32 | 14°28'28 | 5♉22 | 17° 1 | 27°36 | 19°45 | 23°44 | 14°29 | 20°49 | 23° 6 | 18°33 | 20° 1 | 21°37 | 11°18 | n.a. | T 22 |
| F 23 | 3 0 29 | 15°29'45 | 20°27 | 18°39 | 28°51 | 20°24 | 23°57 | 14°35 | 20°47 | 23° 7 | 18°33 | 19°56 | 21°34 | 11°25 | n.a. | F 23 |
| S 24 | 3 4 25 | 16°31'02 | 5♊35 | 20°18 | 0♏ 7 | 21° 4 | 24°11 | 14°42 | 20°45 | 23° 9 | 18°32 | 19°54 | 21°30 | 11°32 | n.a. | S 24 |
| S 25 | 3 8 22 | 17°32'19 | 20°37 | 21°57 | 1°22 | 21°43 | 24°24 | 14°48 | 20°43 | 23°11 | 18°32 | 19°D53 | 21°27 | 11°38 | n.a. | S 25 |
| M26 | 3 12 18 | 18°33'35 | 5♋26 | 23°37 | 2°37 | 22°22 | 24°37 | 14°54 | 20°41 | 23°12 | 18°31 | 19°54 | 21°24 | 11°45 | n.a. | M26 |
| T 27 | 3 16 15 | 19°34'50 | 19°55 | 25°17 | 3°53 | 23° 2 | 24°50 | 15° 0 | 20°39 | 23°13 | 18°31 | 19°55 | 21°21 | 11°52 | n.a. | T 27 |
| W28 | 3 20 12 | 20°36'06 | 4♌ 1 | 26°57 | 5° 8 | 23°41 | 25° 3 | 15° 7 | 20°37 | 23°15 | 18°30 | 19°57 | 21°18 | 11°58 | n.a. | W28 |
| T 29 | 3 24 8 | 21°37'21 | 17°45 | 28°38 | 6°23 | 24°20 | 25°16 | 15°13 | 20°35 | 23°16 | 18°29 | 19°R58 | 21°14 | 12° 5 | n.a. | T 29 |
| F 30 | 3 28 5 | 22♏38'35 | 1♍ 6 | 0♐19 | 7♏39 | 25♍ 0 | 25♎29 | 15♎19 | 20♊32 | 23♍18 | 18♋29 | 19♐58 | 21♐11 | 12♐12 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s 7 | 15n12 | 3s40 | 5s14 | 0n19 | 0n52 | 1n29 | 10n44 | 1n21 | 6s47 | 0n52 | 2s52 | 2n12 | 23n59 | 0n21 | 4n56 | 2n 3 | 35n52 | 13n25 | 23s39 | 23s43 | 23s27 | | n.a. |
| F 2 | 9 30 | 10 38 | 4 24 | 5 57 | 0 12 | 0 20 | 1 28 | 10 29 | 1 21 | 6 53 | 0 52 | 2 55 | 2 12 | 23 59 | 0 21 | 4 55 | 2 3 | 35 53 | 13 26 | 23 39 | 23 43 | 23 27 | | n.a. |
| S 3 | 9 53 | 5 41 | 4 52 | 6 40 | 0 5 | 0s11 | 1 27 | 10 15 | 1 21 | 6 58 | 0 52 | 2 58 | 2 12 | 23 59 | 0 21 | 4 54 | 2 3 | 35 53 | 13 26 | 23 38 | 23 43 | 23 28 | | n.a. |
| S 4 | 10 16 | 0 33 | 5 5 | 7 22 | 0s 1 | 0 43 | 1 26 | 10 0 | 1 21 | 7 3 | 0 52 | 3 0 | 2 12 | 23 59 | 0 21 | 4 53 | 2 4 | 35 53 | 13 26 | 23 38 | 23 43 | 23 28 | | n.a. |
| M 5 | 10 39 | 4s31 | 5 2 | 8 4 | 0 8 | 1 14 | 1 24 | 9 45 | 1 21 | 7 9 | 0 52 | 3 3 | 2 12 | 23 59 | 0 21 | 4 53 | 2 4 | 35 54 | 13 27 | 23 37 | 23 42 | 23 28 | | n.a. |
| T 6 | 11 1 | 9 20 | 4 45 | 8 46 | 0 15 | 1 46 | 1 23 | 9 30 | 1 21 | 7 14 | 0 52 | 3 6 | 2 12 | 23 58 | 0 21 | 4 52 | 2 4 | 35 54 | 13 27 | 23 36 | 23 42 | 23 28 | | n.a. |
| W 7 | 11 23 | 13 42 | 4 14 | 9 28 | 0 21 | 2 18 | 1 22 | 9 14 | 1 21 | 7 19 | 0 51 | 3 8 | 2 12 | 23 58 | 0 21 | 4 51 | 2 4 | 35 55 | 13 28 | 23 36 | 23 42 | 23 28 | | n.a. |
| T 8 | 11 45 | 17 26 | 3 32 | 10 9 | 0 27 | 2 49 | 1 20 | 8 59 | 1 21 | 7 25 | 0 51 | 3 11 | 2 12 | 23 58 | 0 21 | 4 51 | 2 4 | 35 55 | 13 28 | 23 35 | 23 42 | 23 28 | | n.a. |
| F 9 | 12 7 | 20 23 | 2 41 | 10 50 | 0 34 | 3 21 | 1 19 | 8 44 | 1 21 | 7 30 | 0 51 | 3 14 | 2 12 | 23 58 | 0 21 | 4 50 | 2 4 | 35 56 | 13 29 | 23 35 | 23 42 | 23 29 | | n.a. |
| S 10 | 12 29 | 22 26 | 1 44 | 11 30 | 0 40 | 3 52 | 1 17 | 8 29 | 1 21 | 7 35 | 0 51 | 3 16 | 2 13 | 23 58 | 0 21 | 4 49 | 2 4 | 35 56 | 13 29 | 23 34 | 23 41 | 23 29 | | n.a. |
| S 11 | 12 50 | 23 28 | 0 42 | 12 10 | 0 46 | 4 23 | 1 15 | 8 13 | 1 21 | 7 40 | 0 51 | 3 19 | 2 13 | 23 58 | 0 21 | 4 48 | 2 4 | 35 57 | 13 30 | 23 34 | 23 41 | 23 29 | | n.a. |
| M12 | 13 12 | 23 26 | 0n22 | 12 50 | 0 52 | 4 55 | 1 14 | 7 58 | 1 21 | 7 46 | 0 51 | 3 22 | 2 13 | 23 58 | 0 21 | 4 48 | 2 4 | 35 57 | 13 30 | 23 34 | 23 41 | 23 29 | | n.a. |
| T 13 | 13 33 | 22 22 | 1 25 | 13 29 | 0 57 | 5 26 | 1 12 | 7 43 | 1 21 | 7 51 | 0 51 | 3 24 | 2 13 | 23 58 | 0 21 | 4 47 | 2 4 | 35 58 | 13 31 | 23 34 | 23 41 | 23 29 | | n.a. |
| W14 | 13 53 | 20 17 | 2 25 | 14 8 | 1 3 | 5 57 | 1 10 | 7 27 | 1 21 | 7 56 | 0 51 | 3 27 | 2 13 | 23 58 | 0 21 | 4 46 | 2 4 | 35 58 | 13 31 | 23 34 | 23 41 | 23 29 | | n.a. |
| T 15 | 14 14 | 17 17 | 3 19 | 14 46 | 1 8 | 6 28 | 1 8 | 7 11 | 1 21 | 8 1 | 0 51 | 3 29 | 2 13 | 23 58 | 0 21 | 4 46 | 2 4 | 35 59 | 13 32 | 23 34 | 23 40 | 23 29 | | n.a. |
| F 16 | 14 34 | 13 28 | 4 6 | 15 23 | 1 14 | 6 58 | 1 7 | 6 56 | 1 20 | 8 6 | 0 51 | 3 32 | 2 13 | 23 58 | 0 21 | 4 45 | 2 4 | 35 59 | 13 32 | 23 34 | 23 40 | 23 30 | | n.a. |
| S 17 | 14 54 | 8 58 | 4 42 | 16 0 | 1 19 | 7 29 | 1 5 | 6 40 | 1 20 | 8 11 | 0 51 | 3 34 | 2 13 | 23 58 | 0 21 | 4 44 | 2 4 | 36 0 | 13 33 | 23 34 | 23 40 | 23 30 | | n.a. |
| S 18 | 15 14 | 3 55 | 5 4 | 16 36 | 1 24 | 7 59 | 1 3 | 6 25 | 1 20 | 8 16 | 0 51 | 3 37 | 2 13 | 23 58 | 0 21 | 4 44 | 2 4 | 36 0 | 13 33 | 23 34 | 23 40 | 23 30 | | n.a. |
| M19 | 15 33 | 1n28 | 5 11 | 17 11 | 1 28 | 8 29 | 1 1 | 6 9 | 1 20 | 8 22 | 0 51 | 3 39 | 2 13 | 23 57 | 0 21 | 4 43 | 2 4 | 36 1 | 13 34 | 23 34 | 23 40 | 23 30 | | n.a. |
| T 20 | 15 53 | 6 59 | 4 59 | 17 45 | 1 33 | 9 0 | 0 59 | 5 53 | 1 20 | 8 27 | 0 51 | 3 42 | 2 13 | 23 57 | 0 21 | 4 43 | 2 4 | 36 1 | 13 34 | 23 33 | 23 39 | 23 30 | | n.a. |
| W21 | 16 12 | 12 18 | 4 29 | 18 19 | 1 37 | 9 29 | 0 57 | 5 37 | 1 20 | 8 32 | 0 51 | 3 44 | 2 13 | 23 57 | 0 21 | 4 42 | 2 4 | 36 2 | 13 35 | 23 33 | 23 39 | 23 30 | | n.a. |
| T 22 | 16 30 | 17 0 | 3 39 | 18 52 | 1 41 | 9 59 | 0 55 | 5 22 | 1 20 | 8 37 | 0 51 | 3 47 | 2 13 | 23 57 | 0 21 | 4 41 | 2 4 | 36 2 | 13 35 | 23 32 | 23 39 | 23 30 | | n.a. |
| F 23 | 16 49 | 20 41 | 2 34 | 19 24 | 1 45 | 10 28 | 0 53 | 5 6 | 1 20 | 8 42 | 0 51 | 3 49 | 2 13 | 23 57 | 0 21 | 4 41 | 2 4 | 36 3 | 13 35 | 23 32 | 23 39 | 23 30 | | n.a. |
| S 24 | 17 7 | 22 56 | 1 18 | 19 55 | 1 48 | 10 57 | 0 50 | 4 50 | 1 20 | 8 47 | 0 51 | 3 52 | 2 13 | 23 57 | 0 21 | 4 40 | 2 4 | 36 3 | 13 36 | 23 32 | 23 39 | 23 30 | | n.a. |
| S 25 | 17 24 | 23 31 | 0s 4 | 20 25 | 1 51 | 11 26 | 0 48 | 4 34 | 1 20 | 8 52 | 0 51 | 3 54 | 2 13 | 23 57 | 0 21 | 4 40 | 2 5 | 36 4 | 13 36 | 23 32 | 23 38 | 23 30 | | n.a. |
| M26 | 17 42 | 22 24 | 1 24 | 20 53 | 1 54 | 11 55 | 0 46 | 4 18 | 1 19 | 8 57 | 0 51 | 3 56 | 2 13 | 23 57 | 0 21 | 4 39 | 2 5 | 36 5 | 13 37 | 23 32 | 23 38 | 23 30 | | n.a. |
| T 27 | 17 59 | 19 49 | 2 37 | 21 21 | 1 56 | 12 23 | 0 44 | 4 2 | 1 19 | 9 1 | 0 51 | 3 59 | 2 14 | 23 56 | 0 21 | 4 39 | 2 5 | 36 5 | 13 37 | 23 32 | 23 38 | 23 30 | | n.a. |
| W28 | 18 16 | 16 6 | 3 39 | 21 47 | 1 58 | 12 51 | 0 41 | 3 46 | 1 19 | 9 6 | 0 51 | 4 1 | 2 14 | 23 56 | 0 21 | 4 38 | 2 5 | 36 6 | 13 38 | 23 32 | 23 38 | 23 31 | | n.a. |
| T 29 | 18 32 | 11 36 | 4 26 | 22 12 | 2 0 | 13 18 | 0 39 | 3 30 | 1 19 | 9 11 | 0 50 | 4 3 | 2 14 | 23 56 | 0 21 | 4 38 | 2 5 | 36 6 | 13 38 | 23 32 | 23 38 | 23 31 | | n.a. |
| F 30 | 18s48 | 6n40 | 4s58 | 22s36 | 2s 1 | 13s46 | 0n37 | 3n14 | 1n19 | 9s16 | 0n50 | 4s 6 | 2n14 | 23n56 | 0n21 | 4n37 | 2n 5 | 36n 7 | 13n39 | 23s32 | 23s37 | 23s31 | | n.a. |

Julian Day Number = 994149.5, Delta T = 12h58m55s
Ecliptic obliquity = 23°55'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'31, Lahiri = -31°24'30 Julian Calendar 1 Nov. 1992 BCE == Greg. Calendar 15 Oct. 1992 BCE


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# ASTRODIENST EPHEMERIS for the year 1992 BCE
# geocentric

## DECEMBER 1992 BCE (-1991) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 32 1 | 23♏39'49 | 14♍ 7 | 2♐ 0 | 8♏54 | 25♍39 | 25♎42 | 15♎25 | 20°R30 | 23♍19 | 18°R28 | 19°R56 | 21♐ 8 | 12♐18 | n.a. | S 1 |
| S 2 | 3 35 58 | 24°41'03 | 26°51 | 3°41 | 10° 9 | 26°18 | 25°55 | 15°31 | 20♊28 | 23°20 | 18♋27 | 19♐53 | 21° 5 | 12°25 | n.a. | S 2 |
| M 3 | 3 39 54 | 25°42'16 | 9♎21 | 5°23 | 11°25 | 26°58 | 26° 8 | 15°37 | 20°26 | 23°22 | 18°26 | 19°50 | 21° 2 | 12°31 | n.a. | M 3 |
| T 4 | 3 43 51 | 26°43'28 | 21°38 | 7° 5 | 12°40 | 27°37 | 26°20 | 15°42 | 20°23 | 23°23 | 18°25 | 19°46 | 20°59 | 12°38 | n.a. | T 4 |
| W 5 | 3 47 47 | 27°44'40 | 3♏45 | 8°46 | 13°55 | 28°16 | 26°33 | 15°48 | 20°21 | 23°24 | 18°25 | 19°42 | 20°55 | 12°45 | n.a. | W 5 |
| T 6 | 3 51 44 | 28°45'51 | 15°45 | 10°28 | 15°10 | 28°56 | 26°46 | 15°54 | 20°18 | 23°25 | 18°24 | 19°38 | 20°52 | 12°51 | n.a. | T 6 |
| F 7 | 3 55 41 | 29°47'01 | 27°38 | 12° 9 | 16°26 | 29°35 | 26°59 | 16° 0 | 20°16 | 23°27 | 18°23 | 19°36 | 20°49 | 12°58 | n.a. | F 7 |
| S 8 | 3 59 37 | 0♐48'11 | 9♐27 | 13°50 | 17°41 | 0♎14 | 27°11 | 16° 5 | 20°14 | 23°28 | 18°22 | 19°34 | 20°46 | 13° 5 | n.a. | S 8 |
| S 9 | 4 3 34 | 1°49'19 | 21°14 | 15°30 | 18°56 | 0°54 | 27°24 | 16°11 | 20°11 | 23°29 | 18°21 | 19°D34 | 20°43 | 13°11 | n.a. | S 9 |
| M10 | 4 7 30 | 2°50'26 | 3♑ 1 | 17° 9 | 20°11 | 1°33 | 27°36 | 16°16 | 20° 9 | 23°30 | 18°20 | 19°34 | 20°40 | 13°18 | n.a. | M10 |
| T 11 | 4 11 27 | 3°51'32 | 14°51 | 18°47 | 21°27 | 2°12 | 27°48 | 16°22 | 20° 6 | 23°31 | 18°19 | 19°36 | 20°36 | 13°25 | n.a. | T 11 |
| W12 | 4 15 23 | 4°52'36 | 26°47 | 20°23 | 22°42 | 2°51 | 28° 1 | 16°27 | 20° 4 | 23°32 | 18°18 | 19°37 | 20°33 | 13°31 | n.a. | W12 |
| T 13 | 4 19 20 | 5°53'39 | 8♒53 | 21°58 | 23°57 | 3°31 | 28°13 | 16°33 | 20° 1 | 23°33 | 18°17 | 19°38 | 20°30 | 13°38 | n.a. | T 13 |
| F 14 | 4 23 17 | 6°54'41 | 21°13 | 23°30 | 25°12 | 4°10 | 28°25 | 16°38 | 19°59 | 23°34 | 18°16 | 19°39 | 20°27 | 13°45 | n.a. | F 14 |
| S 15 | 4 27 13 | 7°55'41 | 3♓51 | 24°59 | 26°27 | 4°49 | 28°37 | 16°43 | 19°56 | 23°35 | 18°15 | 19°R40 | 20°24 | 13°51 | n.a. | S 15 |
| S 16 | 4 31 10 | 8°56'39 | 16°51 | 26°24 | 27°42 | 5°29 | 28°49 | 16°48 | 19°54 | 23°36 | 18°14 | 19°40 | 20°20 | 13°58 | n.a. | S 16 |
| M17 | 4 35 6 | 9°57'36 | 0♈16 | 27°46 | 28°57 | 6° 8 | 29° 1 | 16°53 | 19°51 | 23°37 | 18°13 | 19°39 | 20°17 | 14° 5 | n.a. | M17 |
| T 18 | 4 39 3 | 10°58'31 | 14° 9 | 29° 3 | 0♐13 | 6°47 | 29°13 | 16°58 | 19°48 | 23°37 | 18°11 | 19°38 | 20°14 | 14°11 | n.a. | T 18 |
| W19 | 4 42 59 | 11°59'25 | 28°29 | 0♑14 | 1°28 | 7°27 | 29°25 | 17° 3 | 19°46 | 23°38 | 18°10 | 19°37 | 20°11 | 14°18 | n.a. | W19 |
| T 20 | 4 46 56 | 13° 0'17 | 13♉14 | 1°19 | 2°43 | 8° 6 | 29°37 | 17° 8 | 19°43 | 23°39 | 18° 9 | 19°37 | 20° 8 | 14°24 | n.a. | T 20 |
| F 21 | 4 50 52 | 14° 1'08 | 28°17 | 2°18 | 3°58 | 8°45 | 29°48 | 17°13 | 19°41 | 23°40 | 18° 8 | 19°36 | 20° 5 | 14°31 | n.a. | F 21 |
| S 22 | 4 54 49 | 15° 1'57 | 13♊30 | 3° 8 | 5°13 | 9°24 | 0♏ 0 | 17°18 | 19°38 | 23°40 | 18° 7 | 19°D36 | 20° 1 | 14°38 | n.a. | S 22 |
| S 23 | 4 58 46 | 16° 2'44 | 28°44 | 3°50 | 6°28 | 10° 4 | 0°12 | 17°23 | 19°35 | 23°41 | 18° 5 | 19°36 | 19°58 | 14°44 | n.a. | S 23 |
| M24 | 5 2 42 | 17° 3'31 | 13♋50 | 4°22 | 7°43 | 10°43 | 0°23 | 17°27 | 19°33 | 23°42 | 18° 4 | 19°36 | 19°55 | 14°51 | n.a. | M24 |
| T 25 | 5 6 39 | 18° 4'15 | 28°37 | 4°44 | 8°58 | 11°22 | 0°34 | 17°32 | 19°30 | 23°42 | 18° 3 | 19°36 | 19°52 | 14°58 | n.a. | T 25 |
| W26 | 5 10 35 | 19° 4'58 | 13♌ 1 | 4°57 | 10°13 | 12° 1 | 0°46 | 17°36 | 19°28 | 23°43 | 18° 1 | 19°36 | 19°49 | 15° 4 | n.a. | W26 |
| T 27 | 5 14 32 | 20° 5'40 | 26°59 | 4°R58 | 11°28 | 12°41 | 0°57 | 17°41 | 19°25 | 23°43 | 18° 0 | 19°R36 | 19°46 | 15°11 | n.a. | T 27 |
| F 28 | 5 18 28 | 21° 6'21 | 10♍29 | 4°49 | 12°43 | 13°20 | 1° 8 | 17°45 | 19°22 | 23°44 | 17°59 | 19°36 | 19°42 | 15°18 | n.a. | F 28 |
| S 29 | 5 22 25 | 22° 7'00 | 23°34 | 4°29 | 13°58 | 13°59 | 1°19 | 17°49 | 19°20 | 23°44 | 17°57 | 19°D36 | 19°39 | 15°24 | n.a. | S 29 |
| S 30 | 5 26 22 | 23° 7'37 | 6♎16 | 3°59 | 15°13 | 14°38 | 1°30 | 17°53 | 19°17 | 23°45 | 17°56 | 19°36 | 19°36 | 15°31 | n.a. | S 30 |
| M31 | 5 30 18 | 24♐ 8'14 | 18♎40 | 3♑19 | 16♐28 | 15♎18 | 1♏41 | 17♎58 | 19♊14 | 23♍45 | 17♋55 | 19♐37 | 19♐33 | 15♐38 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 19s 4 | 1n34 | 5s13 | 22s58 | 2s 2 | 14s13 | 0n35 | 2n58 | 1n19 | 9s21 | 0n50 | 4s 8 | 2n14 | 23n56 | 0n21 | 4n37 | 2n 5 | 36n 7 | 13n39 | 23s32 | 23s37 | 23s31 | | n.a. |
| S 2 | 19 19 | 3s29 | 5 12 | 23 19 | 2 3 | 14 39 | 0 32 | 2 42 | 1 19 | 9 26 | 0 50 | 4 10 | 2 14 | 23 56 | 0 21 | 4 36 | 2 5 | 36 8 | 13 39 | 23 32 | 23 37 | 23 31 | | n.a. |
| M 3 | 19 34 | 8 18 | 4 56 | 23 38 | 2 2 | 15 5 | 0 30 | 2 26 | 1 18 | 9 30 | 0 50 | 4 12 | 2 14 | 23 56 | 0 21 | 4 36 | 2 5 | 36 8 | 13 40 | 23 31 | 23 37 | 23 31 | | n.a. |
| T 4 | 19 49 | 12 43 | 4 27 | 23 56 | 2 2 | 15 31 | 0 27 | 2 10 | 1 18 | 9 35 | 0 50 | 4 15 | 2 14 | 23 55 | 0 22 | 4 35 | 2 5 | 36 9 | 13 40 | 23 31 | 23 37 | 23 31 | | n.a. |
| W 5 | 20 3 | 16 34 | 3 47 | 24 12 | 2 1 | 15 56 | 0 25 | 1 53 | 1 18 | 9 40 | 0 50 | 4 17 | 2 14 | 23 55 | 0 22 | 4 35 | 2 5 | 36 9 | 13 41 | 23 31 | 23 36 | 23 31 | | n.a. |
| T 6 | 20 17 | 19 41 | 2 56 | 24 25 | 1 59 | 16 21 | 0 23 | 1 37 | 1 18 | 9 45 | 0 50 | 4 19 | 2 14 | 23 55 | 0 22 | 4 34 | 2 5 | 36 10 | 13 41 | 23 31 | 23 36 | 23 31 | | n.a. |
| F 7 | 20 31 | 21 57 | 1 58 | 24 37 | 1 56 | 16 46 | 0 20 | 1 21 | 1 18 | 9 49 | 0 50 | 4 21 | 2 15 | 23 55 | 0 22 | 4 34 | 2 5 | 36 10 | 13 41 | 23 30 | 23 36 | 23 31 | | n.a. |
| S 8 | 20 44 | 23 14 | 0 56 | 24 48 | 1 53 | 17 10 | 0 18 | 1 5 | 1 17 | 9 54 | 0 50 | 4 23 | 2 15 | 23 55 | 0 22 | 4 34 | 2 5 | 36 11 | 13 42 | 23 30 | 23 36 | 23 31 | | n.a. |
| S 9 | 20 57 | 23 28 | 0n 9 | 24 56 | 1 49 | 17 33 | 0 15 | 0 49 | 1 17 | 9 58 | 0 50 | 4 25 | 2 15 | 23 55 | 0 22 | 4 33 | 2 5 | 36 11 | 13 42 | 23 30 | 23 35 | 23 31 | | n.a. |
| M10 | 21 9 | 22 39 | 1 14 | 25 1 | 1 45 | 17 56 | 0 13 | 0 33 | 1 17 | 10 3 | 0 50 | 4 27 | 2 15 | 23 54 | 0 22 | 4 33 | 2 6 | 36 12 | 13 43 | 23 30 | 23 35 | 23 31 | | n.a. |
| T 11 | 21 21 | 20 50 | 2 16 | 25 5 | 1 39 | 18 19 | 0 11 | 0 17 | 1 17 | 10 7 | 0 50 | 4 29 | 2 15 | 23 54 | 0 22 | 4 32 | 2 6 | 36 12 | 13 43 | 23 30 | 23 35 | 23 31 | | n.a. |
| W12 | 21 32 | 18 5 | 3 12 | 25 7 | 1 33 | 18 41 | 0 8 | 0 1 | 1 17 | 10 12 | 0 50 | 4 31 | 2 15 | 23 54 | 0 22 | 4 32 | 2 6 | 36 13 | 13 43 | 23 30 | 23 35 | 23 31 | | n.a. |
| T 13 | 21 43 | 14 32 | 4 1 | 25 6 | 1 26 | 19 3 | 0 6 | 0s16 | 1 16 | 10 16 | 0 50 | 4 33 | 2 15 | 23 54 | 0 22 | 4 32 | 2 6 | 36 14 | 13 44 | 23 31 | 23 34 | 23 31 | | n.a. |
| F 14 | 21 54 | 10 18 | 4 40 | 25 4 | 1 18 | 19 24 | 0 3 | 0 32 | 1 16 | 10 21 | 0 50 | 4 35 | 2 15 | 23 54 | 0 22 | 4 31 | 2 6 | 36 14 | 13 44 | 23 31 | 23 34 | 23 30 | | n.a. |
| S 15 | 22 4 | 5 33 | 5 6 | 24 59 | 1 9 | 19 44 | 0 1 | 0 48 | 1 16 | 10 25 | 0 50 | 4 37 | 2 16 | 23 54 | 0 22 | 4 31 | 2 6 | 36 15 | 13 44 | 23 31 | 23 34 | 23 30 | | n.a. |
| S 16 | 22 14 | 0 26 | 5 17 | 24 52 | 0 59 | 20 4 | 0s 2 | 1 4 | 1 16 | 10 30 | 0 50 | 4 39 | 2 16 | 23 53 | 0 22 | 4 31 | 2 6 | 36 15 | 13 45 | 23 31 | 23 34 | 23 30 | | n.a. |
| M17 | 22 24 | 4n52 | 5 12 | 24 43 | 0 49 | 20 24 | 0 4 | 1 20 | 1 15 | 10 34 | 0 50 | 4 41 | 2 16 | 23 53 | 0 22 | 4 30 | 2 6 | 36 16 | 13 45 | 23 31 | 23 34 | 23 30 | | n.a. |
| T 18 | 22 32 | 10 7 | 4 49 | 24 32 | 0 37 | 20 43 | 0 6 | 1 36 | 1 15 | 10 38 | 0 50 | 4 43 | 2 16 | 23 53 | 0 22 | 4 30 | 2 6 | 36 16 | 13 45 | 23 31 | 23 33 | 23 30 | | n.a. |
| W19 | 22 41 | 15 0 | 4 8 | 24 19 | 0 24 | 21 1 | 0 9 | 1 52 | 1 15 | 10 42 | 0 50 | 4 44 | 2 16 | 23 53 | 0 22 | 4 30 | 2 6 | 36 17 | 13 46 | 23 30 | 23 33 | 23 30 | | n.a. |
| T 20 | 22 49 | 19 7 | 3 9 | 24 5 | 0 10 | 21 18 | 0 11 | 2 8 | 1 14 | 10 47 | 0 50 | 4 46 | 2 16 | 23 53 | 0 22 | 4 30 | 2 6 | 36 17 | 13 46 | 23 30 | 23 33 | 23 30 | | n.a. |
| F 21 | 22 57 | 22 3 | 1 56 | 23 50 | 0n 5 | 21 35 | 0 14 | 2 24 | 1 14 | 10 51 | 0 50 | 4 48 | 2 16 | 23 52 | 0 22 | 4 29 | 2 6 | 36 18 | 13 46 | 23 30 | 23 33 | 23 30 | | n.a. |
| S 22 | 23 4 | 23 26 | 0 34 | 23 33 | 0 20 | 21 52 | 0 16 | 2 40 | 1 14 | 10 55 | 0 50 | 4 50 | 2 17 | 23 52 | 0 22 | 4 29 | 2 6 | 36 18 | 13 47 | 23 30 | 23 32 | 23 30 | | n.a. |
| S 23 | 23 10 | 23 4 | 0s51 | 23 16 | 0 36 | 22 7 | 0 18 | 2 56 | 1 14 | 10 59 | 0 50 | 4 51 | 2 17 | 23 52 | 0 22 | 4 29 | 2 6 | 36 19 | 13 47 | 23 30 | 23 32 | 23 30 | | n.a. |
| M24 | 23 17 | 21 1 | 2 11 | 22 58 | 0 53 | 22 23 | 0 21 | 3 12 | 1 13 | 11 3 | 0 50 | 4 53 | 2 17 | 23 52 | 0 22 | 4 29 | 2 6 | 36 19 | 13 47 | 23 30 | 23 32 | 23 30 | | n.a. |
| T 25 | 23 22 | 17 35 | 3 21 | 22 39 | 1 11 | 22 37 | 0 23 | 3 28 | 1 13 | 11 7 | 0 50 | 4 55 | 2 17 | 23 52 | 0 22 | 4 29 | 2 7 | 36 20 | 13 48 | 23 30 | 23 32 | 23 30 | | n.a. |
| W26 | 23 28 | 13 10 | 4 16 | 22 21 | 1 29 | 22 51 | 0 25 | 3 44 | 1 12 | 11 11 | 0 50 | 4 56 | 2 17 | 23 51 | 0 22 | 4 29 | 2 7 | 36 20 | 13 48 | 23 30 | 23 31 | 23 29 | | n.a. |
| T 27 | 23 33 | 8 10 | 4 54 | 22 3 | 1 47 | 23 4 | 0 27 | 4 0 | 1 12 | 11 15 | 0 50 | 4 58 | 2 17 | 23 51 | 0 22 | 4 28 | 2 7 | 36 21 | 13 48 | 23 30 | 23 31 | 23 29 | | n.a. |
| F 28 | 23 37 | 2 57 | 5 14 | 21 46 | 2 4 | 23 16 | 0 30 | 4 16 | 1 12 | 11 19 | 0 50 | 4 59 | 2 18 | 23 51 | 0 22 | 4 28 | 2 7 | 36 21 | 13 49 | 23 30 | 23 31 | 23 29 | | n.a. |
| S 29 | 23 41 | 2s14 | 5 17 | 21 29 | 2 22 | 23 28 | 0 32 | 4 32 | 1 11 | 11 23 | 0 50 | 5 1 | 2 18 | 23 51 | 0 22 | 4 28 | 2 7 | 36 22 | 13 49 | 23 30 | 23 31 | 23 29 | | n.a. |
| S 30 | 23 44 | 7 11 | 5 5 | 21 13 | 2 38 | 23 39 | 0 34 | 4 48 | 1 11 | 11 27 | 0 50 | 5 2 | 2 18 | 23 51 | 0 22 | 4 28 | 2 7 | 36 22 | 13 49 | 23 30 | 23 30 | 23 29 | | n.a. |
| M31 | 23s47 | 11s44 | 4s38 | 20s59 | 2n54 | 23s49 | 0s36 | 5s 4 | 1n11 | 11s31 | 0n50 | 5s 4 | 2n18 | 23n50 | 0n22 | 4n28 | 2n 7 | 36n22 | 13n49 | 23s30 | 23s30 | 23s29 | | n.a. |

Julian Day Number = 994179.5, Delta T = 12h58m53s
Ecliptic obliquity = 23°55'23, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'27, Lahiri = -31°24'26 Julian Calendar 1 Dec. 1992 BCE == Greg. Calendar 14 Nov. 1992 BCE

The year -1991 astronomical counting style corresponds to year 1992 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## JANUARY 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 34 15 | 25♐ 8'48 | 0♏49 | 2°R31 | 17♐43 | 15♎57 | 1♏52 | 18♎ 2 | 19°R12 | 23♍45 | 17°R53 | 19♐37 | 19♐30 | 15♐44 | n.a. | T 1 |
| W 2 | 5 38 11 | 26° 9'22 | 12°47 | 1♑36 | 18°58 | 16°36 | 2° 2 | 18° 6 | 19♊ 9 | 23°46 | 17♋52 | 19°38 | 19°26 | 15°51 | n.a. | W 2 |
| T 3 | 5 42 8 | 27° 9'53 | 24°39 | 0°35 | 20°13 | 17°15 | 2°13 | 18° 9 | 19° 7 | 23°46 | 17°50 | 19°39 | 19°23 | 15°58 | n.a. | T 3 |
| F 4 | 5 46 4 | 28°10'23 | 6♐26 | 29♐30 | 21°27 | 17°55 | 2°23 | 18°13 | 19° 4 | 23°46 | 17°49 | 19°39 | 19°20 | 16° 4 | n.a. | F 4 |
| S 5 | 5 50 1 | 29°10'51 | 18°13 | 28°23 | 22°42 | 18°34 | 2°34 | 18°17 | 19° 1 | 23°47 | 17°47 | 19°R39 | 19°17 | 16°11 | n.a. | S 5 |
| S 6 | 5 53 57 | 0♑11'18 | 0♑ 1 | 27°16 | 23°57 | 19°13 | 2°44 | 18°20 | 18°59 | 23°47 | 17°46 | 19°39 | 19°14 | 16°17 | n.a. | S 6 |
| M 7 | 5 57 54 | 1°11'43 | 11°53 | 26°10 | 25°12 | 19°52 | 2°54 | 18°24 | 18°56 | 23°47 | 17°45 | 19°38 | 19°11 | 16°24 | n.a. | M 7 |
| T 8 | 6 1 51 | 2°12'05 | 23°50 | 25° 6 | 26°27 | 20°31 | 3° 4 | 18°27 | 18°54 | 23°47 | 17°43 | 19°37 | 19° 7 | 16°31 | n.a. | T 8 |
| W 9 | 6 5 47 | 3°12'26 | 5♒55 | 24° 7 | 27°42 | 21°10 | 3°14 | 18°31 | 18°51 | 23°47 | 17°42 | 19°35 | 19° 4 | 16°37 | n.a. | W 9 |
| T 10 | 6 9 44 | 4°12'44 | 18°10 | 23°13 | 28°56 | 21°49 | 3°24 | 18°34 | 18°49 | 23°47 | 17°40 | 19°33 | 19° 1 | 16°44 | n.a. | T 10 |
| F 11 | 6 13 40 | 5°13'00 | 0♓37 | 22°25 | 0♑11 | 22°28 | 3°34 | 18°37 | 18°46 | 23°R47 | 17°39 | 19°31 | 18°58 | 16°51 | n.a. | F 11 |
| S 12 | 6 17 37 | 6°13'14 | 13°19 | 21°43 | 1°26 | 23° 7 | 3°43 | 18°40 | 18°44 | 23°47 | 17°37 | 19°29 | 18°55 | 16°57 | n.a. | S 12 |
| S 13 | 6 21 33 | 7°13'26 | 26°18 | 21° 8 | 2°41 | 23°47 | 3°53 | 18°43 | 18°41 | 23°47 | 17°35 | 19°28 | 18°52 | 17° 4 | n.a. | S 13 |
| M14 | 6 25 30 | 8°13'35 | 9♈37 | 20°40 | 3°56 | 24°26 | 4° 2 | 18°46 | 18°39 | 23°47 | 17°34 | 19°D27 | 18°48 | 17°11 | n.a. | M14 |
| T 15 | 6 29 26 | 9°13'42 | 23°18 | 20°20 | 5°10 | 25° 5 | 4°11 | 18°49 | 18°36 | 23°47 | 17°32 | 19°28 | 18°45 | 17°17 | n.a. | T 15 |
| W16 | 6 33 23 | 10°13'47 | 7♉22 | 20° 6 | 6°25 | 25°44 | 4°20 | 18°52 | 18°34 | 23°47 | 17°31 | 19°29 | 18°42 | 17°24 | n.a. | W16 |
| T 17 | 6 37 20 | 11°13'50 | 21°48 | 20° 0 | 7°40 | 26°22 | 4°29 | 18°55 | 18°32 | 23°47 | 17°29 | 19°30 | 18°39 | 17°31 | n.a. | T 17 |
| F 18 | 6 41 16 | 12°13'50 | 6♊34 | 20°D 0 | 8°54 | 27° 1 | 4°38 | 18°57 | 18°29 | 23°46 | 17°28 | 19°32 | 18°36 | 17°37 | n.a. | F 18 |
| S 19 | 6 45 13 | 13°13'48 | 21°34 | 20° 6 | 10° 9 | 27°40 | 4°47 | 19° 0 | 18°27 | 23°46 | 17°26 | 19°R32 | 18°32 | 17°44 | n.a. | S 19 |
| S 20 | 6 49 9 | 14°13'44 | 6♋40 | 20°18 | 11°24 | 28°19 | 4°56 | 19° 2 | 18°25 | 23°46 | 17°25 | 19°31 | 18°29 | 17°51 | n.a. | S 20 |
| M21 | 6 53 6 | 15°13'37 | 21°44 | 20°36 | 12°38 | 28°58 | 5° 4 | 19° 4 | 18°22 | 23°46 | 17°23 | 19°29 | 18°26 | 17°57 | n.a. | M21 |
| T 22 | 6 57 2 | 16°13'29 | 6♌37 | 20°59 | 13°53 | 29°37 | 5°13 | 19° 6 | 18°20 | 23°45 | 17°21 | 19°26 | 18°23 | 18° 4 | n.a. | T 22 |
| W23 | 7 0 59 | 17°13'18 | 21°10 | 21°27 | 15° 8 | 0♏16 | 5°21 | 19° 9 | 18°18 | 23°45 | 17°20 | 19°22 | 18°20 | 18°10 | n.a. | W23 |
| T 24 | 7 4 55 | 18°13'05 | 5♍19 | 22° 0 | 16°22 | 0°55 | 5°29 | 19°11 | 18°16 | 23°44 | 17°18 | 19°18 | 18°17 | 18°17 | n.a. | T 24 |
| F 25 | 7 8 52 | 19°12'50 | 18°59 | 22°37 | 17°37 | 1°34 | 5°37 | 19°13 | 18°14 | 23°44 | 17°17 | 19°14 | 18°13 | 18°24 | n.a. | F 25 |
| S 26 | 7 12 49 | 20°12'34 | 2♎12 | 23°18 | 18°51 | 2°12 | 5°45 | 19°14 | 18°11 | 23°43 | 17°15 | 19°11 | 18°10 | 18°30 | n.a. | S 26 |
| S 27 | 7 16 45 | 21°12'15 | 14°59 | 24° 3 | 20° 6 | 2°51 | 5°53 | 19°16 | 18° 9 | 23°43 | 17°14 | 19°10 | 18° 7 | 18°37 | n.a. | S 27 |
| M28 | 7 20 42 | 22°11'55 | 27°25 | 24°51 | 21°20 | 3°30 | 6° 0 | 19°18 | 18° 7 | 23°42 | 17°12 | 19°D10 | 18° 4 | 18°44 | n.a. | M28 |
| T 29 | 7 24 38 | 23°11'33 | 9♏33 | 25°43 | 22°35 | 4° 9 | 6° 8 | 19°19 | 18° 5 | 23°42 | 17°11 | 19°11 | 18° 1 | 18°50 | n.a. | T 29 |
| W30 | 7 28 35 | 24°11'08 | 21°29 | 26°38 | 23°49 | 4°47 | 6°15 | 19°21 | 18° 3 | 23°41 | 17° 9 | 19°12 | 17°57 | 18°57 | n.a. | W30 |
| T 31 | 7 32 31 | 25♑10'42 | 3♐17 | 27♐35 | 25♑ 4 | 5♏26 | 6♏22 | 19♎22 | 18♊ 1 | 23♍41 | 17♋ 7 | 19♐14 | 17♐54 | 19♐ 4 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 23s50 | 15s43 | 4s 0 | 20s46 | 3n 8 | 23s59 | 0s38 | 5s19 | 1n10 | 11s34 | 0n50 | 5s 5 | 2n18 | 23n50 | 0n22 | 4n28 | 2n 7 | 36n23 | 13n50 | 23s30 | 23s30 | 23s29 | | n.a. |
| W 2 | 23 52 | 19 1 | 3 11 | 20 34 | 3 21 | 24 7 | 0 40 | 5 35 | 1 10 | 11 38 | 0 50 | 5 7 | 2 18 | 23 50 | 0 22 | 4 28 | 2 7 | 36 23 | 13 50 | 23 30 | 23 30 | 23 28 | | n.a. |
| T 3 | 23 53 | 21 29 | 2 15 | 20 24 | 3 32 | 24 15 | 0 42 | 5 51 | 1 9 | 11 42 | 0 50 | 5 8 | 2 19 | 23 50 | 0 22 | 4 28 | 2 7 | 36 24 | 13 50 | 23 31 | 23 29 | 23 28 | | n.a. |
| F 4 | 23 55 | 23 1 | 1 13 | 20 15 | 3 40 | 24 23 | 0 44 | 6 6 | 1 9 | 11 46 | 0 50 | 5 9 | 2 19 | 23 50 | 0 22 | 4 28 | 2 7 | 36 24 | 13 50 | 23 31 | 23 29 | 23 28 | | n.a. |
| S 5 | 23 55 | 23 31 | 0 8 | 20 8 | 3 47 | 24 29 | 0 46 | 6 22 | 1 8 | 11 49 | 0 50 | 5 10 | 2 19 | 23 49 | 0 22 | 4 28 | 2 7 | 36 25 | 13 50 | 23 31 | 23 29 | 23 28 | | n.a. |
| S 6 | 23 55 | 22 58 | 0n57 | 20 3 | 3 51 | 24 35 | 0 48 | 6 37 | 1 8 | 11 53 | 0 50 | 5 12 | 2 19 | 23 49 | 0 22 | 4 28 | 2 7 | 36 25 | 13 51 | 23 31 | 23 29 | 23 28 | | n.a. |
| M 7 | 23 55 | 21 23 | 2 0 | 19 59 | 3 53 | 24 40 | 0 50 | 6 53 | 1 7 | 11 56 | 0 50 | 5 13 | 2 19 | 23 49 | 0 22 | 4 28 | 2 8 | 36 26 | 13 51 | 23 31 | 23 28 | 23 28 | | n.a. |
| T 8 | 23 54 | 18 50 | 2 59 | 19 57 | 3 53 | 24 44 | 0 52 | 7 8 | 1 7 | 12 0 | 0 50 | 5 14 | 2 19 | 23 49 | 0 22 | 4 28 | 2 8 | 36 26 | 13 51 | 23 30 | 23 28 | 23 27 | | n.a. |
| W 9 | 23 53 | 15 28 | 3 49 | 19 57 | 3 50 | 24 48 | 0 54 | 7 24 | 1 7 | 12 3 | 0 50 | 5 15 | 2 20 | 23 49 | 0 22 | 4 28 | 2 8 | 36 26 | 13 51 | 23 30 | 23 28 | 23 27 | | n.a. |
| T 10 | 23 51 | 11 24 | 4 30 | 19 59 | 3 46 | 24 51 | 0 56 | 7 39 | 1 6 | 12 6 | 0 51 | 5 16 | 2 20 | 23 48 | 0 22 | 4 28 | 2 8 | 36 27 | 13 51 | 23 30 | 23 27 | 23 27 | | n.a. |
| F 11 | 23 49 | 6 49 | 4 59 | 20 2 | 3 40 | 24 53 | 0 57 | 7 54 | 1 5 | 12 10 | 0 51 | 5 17 | 2 20 | 23 48 | 0 22 | 4 28 | 2 8 | 36 27 | 13 52 | 23 30 | 23 27 | 23 27 | | n.a. |
| S 12 | 23 46 | 1 51 | 5 15 | 20 7 | 3 33 | 24 54 | 0 59 | 8 10 | 1 5 | 12 13 | 0 51 | 5 18 | 2 20 | 23 48 | 0 22 | 4 28 | 2 8 | 36 28 | 13 52 | 23 30 | 23 27 | 23 27 | | n.a. |
| S 13 | 23 43 | 3n17 | 5 14 | 20 13 | 3 24 | 24 54 | 1 1 | 8 25 | 1 4 | 12 16 | 0 51 | 5 19 | 2 20 | 23 48 | 0 22 | 4 28 | 2 8 | 36 28 | 13 52 | 23 30 | 23 27 | 23 26 | | n.a. |
| M14 | 23 40 | 8 25 | 4 57 | 20 21 | 3 15 | 24 54 | 1 2 | 8 40 | 1 4 | 12 20 | 0 51 | 5 20 | 2 21 | 23 47 | 0 22 | 4 28 | 2 8 | 36 28 | 13 52 | 23 30 | 23 26 | 23 26 | | n.a. |
| T 15 | 23 36 | 13 17 | 4 23 | 20 30 | 3 4 | 24 53 | 1 4 | 8 55 | 1 3 | 12 23 | 0 51 | 5 21 | 2 21 | 23 47 | 0 22 | 4 28 | 2 8 | 36 29 | 13 52 | 23 30 | 23 26 | 23 26 | | n.a. |
| W16 | 23 31 | 17 35 | 3 32 | 20 40 | 2 53 | 24 51 | 1 5 | 9 10 | 1 3 | 12 26 | 0 51 | 5 22 | 2 21 | 23 47 | 0 22 | 4 28 | 2 8 | 36 29 | 13 52 | 23 30 | 23 26 | 23 26 | | n.a. |
| T 17 | 23 26 | 20 57 | 2 27 | 20 51 | 2 42 | 24 48 | 1 7 | 9 25 | 1 2 | 12 29 | 0 51 | 5 23 | 2 21 | 23 47 | 0 22 | 4 29 | 2 8 | 36 29 | 13 53 | 23 30 | 23 26 | 23 25 | | n.a. |
| F 18 | 23 21 | 23 0 | 1 11 | 21 3 | 2 30 | 24 45 | 1 8 | 9 40 | 1 1 | 12 32 | 0 51 | 5 24 | 2 21 | 23 47 | 0 22 | 4 29 | 2 8 | 36 30 | 13 53 | 23 30 | 23 25 | 23 25 | | n.a. |
| S 19 | 23 15 | 23 28 | 0s11 | 21 16 | 2 17 | 24 41 | 1 10 | 9 55 | 1 1 | 12 35 | 0 51 | 5 24 | 2 22 | 23 46 | 0 22 | 4 29 | 2 8 | 36 30 | 13 53 | 23 30 | 23 25 | 23 25 | | n.a. |
| S 20 | 23 9 | 22 12 | 1 33 | 21 29 | 2 5 | 24 36 | 1 11 | 10 9 | 1 0 | 12 38 | 0 51 | 5 25 | 2 22 | 23 46 | 0 22 | 4 29 | 2 8 | 36 30 | 13 53 | 23 30 | 23 25 | 23 25 | | n.a. |
| M21 | 23 2 | 19 22 | 2 48 | 21 43 | 1 53 | 24 30 | 1 12 | 10 24 | 1 0 | 12 41 | 0 51 | 5 26 | 2 22 | 23 46 | 0 22 | 4 29 | 2 9 | 36 31 | 13 53 | 23 30 | 23 24 | 23 24 | | n.a. |
| T 22 | 22 55 | 15 16 | 3 51 | 21 57 | 1 40 | 24 24 | 1 13 | 10 39 | 0 59 | 12 43 | 0 51 | 5 27 | 2 22 | 23 46 | 0 22 | 4 29 | 2 9 | 36 31 | 13 53 | 23 30 | 23 24 | 23 24 | | n.a. |
| W23 | 22 47 | 10 22 | 4 37 | 22 11 | 1 28 | 24 17 | 1 14 | 10 53 | 0 58 | 12 46 | 0 51 | 5 27 | 2 22 | 23 46 | 0 22 | 4 30 | 2 9 | 36 31 | 13 53 | 23 29 | 23 24 | 23 24 | | n.a. |
| T 24 | 22 39 | 5 2 | 5 5 | 22 25 | 1 16 | 24 9 | 1 16 | 11 8 | 0 58 | 12 49 | 0 51 | 5 28 | 2 23 | 23 45 | 0 22 | 4 30 | 2 9 | 36 32 | 13 53 | 23 29 | 23 24 | 23 24 | | n.a. |
| F 25 | 22 31 | 0s21 | 5 14 | 22 39 | 1 4 | 24 0 | 1 17 | 11 22 | 0 57 | 12 52 | 0 51 | 5 28 | 2 23 | 23 45 | 0 22 | 4 30 | 2 9 | 36 32 | 13 53 | 23 29 | 23 23 | 23 23 | | n.a. |
| S 26 | 22 22 | 5 33 | 5 6 | 22 53 | 0 52 | 23 51 | 1 18 | 11 36 | 0 56 | 12 54 | 0 51 | 5 29 | 2 23 | 23 45 | 0 22 | 4 30 | 2 9 | 36 32 | 13 53 | 23 28 | 23 23 | 23 23 | | n.a. |
| S 27 | 22 13 | 10 21 | 4 43 | 23 7 | 0 41 | 23 41 | 1 18 | 11 51 | 0 55 | 12 57 | 0 51 | 5 29 | 2 23 | 23 45 | 0 22 | 4 31 | 2 9 | 36 32 | 13 53 | 23 28 | 23 23 | 23 23 | | n.a. |
| M28 | 22 3 | 14 35 | 4 7 | 23 20 | 0 29 | 23 30 | 1 19 | 12 5 | 0 55 | 12 59 | 0 51 | 5 30 | 2 23 | 23 45 | 0 22 | 4 31 | 2 9 | 36 33 | 13 53 | 23 28 | 23 22 | 23 22 | | n.a. |
| T 29 | 21 53 | 18 7 | 3 20 | 23 33 | 0 18 | 23 18 | 1 20 | 12 19 | 0 54 | 13 2 | 0 51 | 5 30 | 2 24 | 23 44 | 0 22 | 4 31 | 2 9 | 36 33 | 13 53 | 23 28 | 23 22 | 23 22 | | n.a. |
| W30 | 21 43 | 20 51 | 2 26 | 23 45 | 0 8 | 23 6 | 1 21 | 12 33 | 0 53 | 13 4 | 0 51 | 5 31 | 2 24 | 23 44 | 0 22 | 4 31 | 2 9 | 36 33 | 13 53 | 23 28 | 23 22 | 23 22 | | n.a. |
| T 31 | 21s32 | 22s39 | 1s26 | 23s57 | 0s 3 | 22s53 | 1s21 | 12s47 | 0n52 | 13s 7 | 0n51 | 5s31 | 2n24 | 23n44 | 0n22 | 4n32 | 2n 9 | 36n34 | 13n53 | 23s29 | 23s22 | 23s21 | | n.a. |

Julian Day Number = 994210.5, Delta T = 12h58m51s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'23, Lahiri = -31°24'22 Julian Calendar 1 Jan. 1991 BCE == Greg. Calendar 15 Dec. 1992 BCE

The year -1990 astronomical counting style corresponds to year 1991 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## FEBRUARY 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 36 28 | 26♉10'14 | 15♐ 3 | 28♐36 | 26♉18 | 6♏ 5 | 6♏29 | 19♎23 | 17°R59 | 23°R40 | 17°R 6 | 19°R15 | 17♐51 | 19♐10 | n.a. | F 1 |
| S 2 | 7 40 24 | 27° 9'44 | 26°50 | 29°39 | 27°33 | 6°43 | 6°36 | 19°24 | 17♊58 | 23♍39 | 17♋ 4 | 19♐15 | 17°48 | 19°17 | n.a. | S 2 |
| S 3 | 7 44 21 | 28° 9'12 | 8♉42 | 0♉44 | 28°47 | 7°22 | 6°43 | 19°25 | 17°56 | 23°39 | 17° 3 | 19°13 | 17°45 | 19°24 | n.a. | S 3 |
| M 4 | 7 48 17 | 29° 8'37 | 20°41 | 1°52 | 0♒ 2 | 8° 0 | 6°49 | 19°26 | 17°54 | 23°38 | 17° 1 | 19° 9 | 17°42 | 19°30 | n.a. | M 4 |
| T 5 | 7 52 14 | 0♒ 8'01 | 2♒50 | 3° 2 | 1°16 | 8°39 | 6°56 | 19°27 | 17°52 | 23°37 | 17° 0 | 19° 3 | 17°38 | 19°37 | n.a. | T 5 |
| W 6 | 7 56 11 | 1° 7'22 | 15° 9 | 4°14 | 2°31 | 9°17 | 7° 2 | 19°28 | 17°50 | 23°36 | 16°58 | 18°56 | 17°35 | 19°44 | n.a. | W 6 |
| T 7 | 8 0 7 | 2° 6'41 | 27°39 | 5°28 | 3°45 | 9°56 | 7° 8 | 19°29 | 17°49 | 23°35 | 16°57 | 18°48 | 17°32 | 19°50 | n.a. | T 7 |
| F 8 | 8 4 4 | 3° 5'57 | 10♓22 | 6°44 | 4°59 | 10°34 | 7°14 | 19°29 | 17°47 | 23°35 | 16°55 | 18°40 | 17°29 | 19°57 | n.a. | F 8 |
| S 9 | 8 8 0 | 4° 5'11 | 23°18 | 8° 2 | 6°14 | 11°12 | 7°20 | 19°30 | 17°46 | 23°34 | 16°54 | 18°33 | 17°26 | 20° 3 | n.a. | S 9 |
| S 10 | 8 11 57 | 5° 4'22 | 6♈26 | 9°22 | 7°28 | 11°50 | 7°26 | 19°30 | 17°44 | 23°33 | 16°52 | 18°28 | 17°23 | 20°10 | n.a. | S 10 |
| M11 | 8 15 53 | 6° 3'32 | 19°49 | 10°43 | 8°43 | 12°29 | 7°31 | 19°30 | 17°43 | 23°32 | 16°51 | 18°25 | 17°19 | 20°17 | n.a. | M11 |
| T 12 | 8 19 50 | 7° 2'38 | 3♉27 | 12° 6 | 9°57 | 13° 7 | 7°37 | 19°30 | 17°41 | 23°31 | 16°49 | 18°D23 | 17°16 | 20°23 | n.a. | T 12 |
| W13 | 8 23 46 | 8° 1'42 | 17°21 | 13°31 | 11°11 | 13°45 | 7°42 | 19°R30 | 17°40 | 23°30 | 16°48 | 18°24 | 17°13 | 20°30 | n.a. | W13 |
| T 14 | 8 27 43 | 9° 0'44 | 1♊31 | 14°57 | 12°25 | 14°23 | 7°47 | 19°30 | 17°38 | 23°29 | 16°46 | 18°25 | 17°10 | 20°37 | n.a. | T 14 |
| F 15 | 8 31 39 | 9°59'43 | 15°55 | 16°25 | 13°40 | 15° 1 | 7°52 | 19°30 | 17°37 | 23°28 | 16°45 | 18°R25 | 17° 7 | 20°43 | n.a. | F 15 |
| S 16 | 8 35 36 | 10°58'40 | 0♋32 | 17°54 | 14°54 | 15°39 | 7°56 | 19°30 | 17°36 | 23°27 | 16°44 | 18°25 | 17° 3 | 20°50 | n.a. | S 16 |
| S 17 | 8 39 33 | 11°57'34 | 15°17 | 19°25 | 16° 8 | 16°17 | 8° 1 | 19°30 | 17°35 | 23°26 | 16°42 | 18°22 | 17° 0 | 20°57 | n.a. | S 17 |
| M18 | 8 43 29 | 12°56'26 | 0♌ 3 | 20°58 | 17°22 | 16°55 | 8° 5 | 19°29 | 17°33 | 23°25 | 16°41 | 18°17 | 16°57 | 21° 3 | n.a. | M18 |
| T 19 | 8 47 26 | 13°55'16 | 14°43 | 22°32 | 18°37 | 17°33 | 8° 9 | 19°29 | 17°32 | 23°23 | 16°39 | 18°10 | 16°54 | 21°10 | n.a. | T 19 |
| W20 | 8 51 22 | 14°54'03 | 29°10 | 24° 8 | 19°51 | 18°11 | 8°13 | 19°28 | 17°31 | 23°22 | 16°38 | 18° 1 | 16°51 | 21°17 | n.a. | W20 |
| T 21 | 8 55 19 | 15°52'49 | 13♍17 | 25°45 | 21° 5 | 18°48 | 8°17 | 19°27 | 17°30 | 23°21 | 16°37 | 17°52 | 16°48 | 21°23 | n.a. | T 21 |
| F 22 | 8 59 15 | 16°51'32 | 26°59 | 27°23 | 22°19 | 19°26 | 8°21 | 19°27 | 17°29 | 23°20 | 16°35 | 17°43 | 16°44 | 21°30 | n.a. | F 22 |
| S 23 | 9 3 12 | 17°50'13 | 10♎16 | 29° 4 | 23°33 | 20° 4 | 8°24 | 19°26 | 17°28 | 23°19 | 16°34 | 17°35 | 16°41 | 21°37 | n.a. | S 23 |
| S 24 | 9 7 8 | 18°48'52 | 23° 7 | 0♒45 | 24°47 | 20°41 | 8°27 | 19°25 | 17°27 | 23°17 | 16°33 | 17°30 | 16°38 | 21°43 | n.a. | S 24 |
| M25 | 9 11 5 | 19°47'30 | 5♏35 | 2°28 | 26° 1 | 21°19 | 8°31 | 19°24 | 17°27 | 23°16 | 16°32 | 17°27 | 16°35 | 21°50 | n.a. | M25 |
| T 26 | 9 15 1 | 20°46'06 | 17°46 | 4°13 | 27°15 | 21°56 | 8°34 | 19°22 | 17°26 | 23°15 | 16°30 | 17°D26 | 16°32 | 21°56 | n.a. | T 26 |
| W27 | 9 18 58 | 21°44'40 | 29°43 | 5°59 | 28°30 | 22°34 | 8°36 | 19°21 | 17°25 | 23°14 | 16°29 | 17°26 | 16°29 | 22° 3 | n.a. | W27 |
| T 28 | 9 22 55 | 22♒43'12 | 11♐32 | 7♒47 | 29♒44 | 23♏11 | 8♏39 | 19♎20 | 17♊24 | 23♍12 | 16♋28 | 17°R27 | 16♐25 | 22♐10 | n.a. | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 21 s20 | 23 s27 | 0 s23 | 24 s 7 | 0 s13 | 22 s39 | 1 s22 | 13 s 0 | 0n52 | 13 s 9 | 0n51 | 5 s31 | 2n24 | 23n44 | 0n22 | 4n32 | 2n 9 | 36n34 | 13n53 | 23 s29 | 23 s21 | 23 s21 | | n.a. | F 1 |
| S 2 | 21 9 | 23 12 | 0n41 | 24 17 | 0 22 | 22 25 | 1 23 | 13 14 | 0 51 | 13 11 | 0 51 | 5 31 | 2 24 | 23 44 | 0 22 | 4 32 | 2 9 | 36 34 | 13 53 | 23 29 | 23 21 | 23 21 | | n.a. | S 2 |
| S 3 | 20 57 | 21 54 | 1 44 | 24 27 | 0 31 | 22 10 | 1 23 | 13 28 | 0 50 | 13 13 | 0 51 | 5 32 | 2 25 | 23 44 | 0 22 | 4 33 | 2 9 | 36 34 | 13 53 | 23 28 | 23 21 | 23 20 | | n.a. | S 3 |
| M 4 | 20 44 | 19 37 | 2 43 | 24 35 | 0 40 | 21 55 | 1 24 | 13 41 | 0 49 | 13 16 | 0 51 | 5 32 | 2 25 | 23 43 | 0 22 | 4 33 | 2 9 | 36 34 | 13 53 | 23 28 | 23 20 | 23 20 | | n.a. | M 4 |
| T 5 | 20 32 | 16 27 | 3 35 | 24 42 | 0 49 | 21 38 | 1 24 | 13 55 | 0 48 | 13 18 | 0 51 | 5 32 | 2 25 | 23 43 | 0 22 | 4 34 | 2 10 | 36 35 | 13 53 | 23 28 | 23 20 | 23 20 | | n.a. | T 5 |
| W 6 | 20 19 | 12 32 | 4 17 | 24 48 | 0 57 | 21 22 | 1 24 | 14 8 | 0 47 | 13 20 | 0 52 | 5 32 | 2 25 | 23 43 | 0 22 | 4 34 | 2 10 | 36 35 | 13 53 | 23 27 | 23 20 | 23 19 | | n.a. | W 6 |
| T 7 | 20 5 | 8 2 | 4 48 | 24 53 | 1 5 | 21 4 | 1 24 | 14 21 | 0 46 | 13 22 | 0 52 | 5 32 | 2 25 | 23 43 | 0 22 | 4 34 | 2 10 | 36 35 | 13 53 | 23 26 | 23 19 | 23 19 | | n.a. | T 7 |
| F 8 | 19 51 | 3 8 | 5 5 | 24 57 | 1 12 | 20 46 | 1 25 | 14 34 | 0 45 | 13 24 | 0 52 | 5 32 | 2 26 | 23 43 | 0 22 | 4 35 | 2 10 | 36 35 | 13 53 | 23 26 | 23 19 | 23 19 | | n.a. | F 8 |
| S 9 | 19 37 | 1n59 | 5 8 | 25 0 | 1 19 | 20 27 | 1 25 | 14 47 | 0 44 | 13 25 | 0 52 | 5 32 | 2 26 | 23 43 | 0 22 | 4 35 | 2 10 | 36 35 | 13 53 | 23 25 | 23 19 | 23 18 | | n.a. | S 9 |
| S 10 | 19 23 | 7 5 | 4 54 | 25 1 | 1 26 | 20 8 | 1 25 | 15 0 | 0 44 | 13 27 | 0 52 | 5 32 | 2 26 | 23 42 | 0 22 | 4 36 | 2 10 | 36 35 | 13 53 | 23 25 | 23 19 | 23 18 | | n.a. | S 10 |
| M11 | 19 8 | 11 57 | 4 24 | 25 1 | 1 32 | 19 48 | 1 25 | 15 13 | 0 43 | 13 29 | 0 52 | 5 32 | 2 26 | 23 42 | 0 22 | 4 36 | 2 10 | 36 36 | 13 53 | 23 24 | 23 18 | 23 18 | | n.a. | M11 |
| T 12 | 18 53 | 16 20 | 3 39 | 24 59 | 1 38 | 19 28 | 1 25 | 15 26 | 0 42 | 13 31 | 0 52 | 5 32 | 2 26 | 23 42 | 0 22 | 4 36 | 2 10 | 36 36 | 13 53 | 23 24 | 23 18 | 23 17 | | n.a. | T 12 |
| W13 | 18 38 | 19 54 | 2 40 | 24 56 | 1 43 | 19 7 | 1 25 | 15 38 | 0 41 | 13 32 | 0 52 | 5 32 | 2 27 | 23 42 | 0 22 | 4 37 | 2 10 | 36 36 | 13 53 | 23 24 | 23 18 | 23 17 | | n.a. | W13 |
| T 14 | 18 22 | 22 21 | 1 30 | 24 51 | 1 48 | 18 46 | 1 24 | 15 51 | 0 39 | 13 34 | 0 52 | 5 31 | 2 27 | 23 42 | 0 22 | 4 37 | 2 10 | 36 36 | 13 53 | 23 24 | 23 17 | 23 16 | | n.a. | T 14 |
| F 15 | 18 6 | 23 23 | 0 13 | 24 45 | 1 53 | 18 24 | 1 24 | 16 3 | 0 38 | 13 36 | 0 52 | 5 31 | 2 27 | 23 42 | 0 22 | 4 38 | 2 10 | 36 36 | 13 53 | 23 24 | 23 17 | 23 16 | | n.a. | F 15 |
| S 16 | 17 50 | 22 50 | 1 s 5 | 24 37 | 1 57 | 18 1 | 1 24 | 16 16 | 0 37 | 13 37 | 0 52 | 5 31 | 2 27 | 23 42 | 0 22 | 4 38 | 2 10 | 36 36 | 13 53 | 23 24 | 23 17 | 23 16 | | n.a. | S 16 |
| S 17 | 17 33 | 20 43 | 2 19 | 24 28 | 2 0 | 17 39 | 1 23 | 16 28 | 0 36 | 13 39 | 0 52 | 5 31 | 2 27 | 23 42 | 0 22 | 4 39 | 2 10 | 36 36 | 13 53 | 23 24 | 23 16 | 23 15 | | n.a. | S 17 |
| M18 | 17 16 | 17 13 | 3 24 | 24 17 | 2 4 | 17 15 | 1 23 | 16 40 | 0 35 | 13 40 | 0 52 | 5 30 | 2 28 | 23 41 | 0 22 | 4 39 | 2 10 | 36 36 | 13 52 | 23 24 | 23 16 | 23 15 | | n.a. | M18 |
| T 19 | 16 59 | 12 41 | 4 15 | 24 4 | 2 6 | 16 51 | 1 22 | 16 52 | 0 34 | 13 41 | 0 52 | 5 30 | 2 28 | 23 41 | 0 22 | 4 40 | 2 10 | 36 36 | 13 52 | 23 23 | 23 16 | 23 14 | | n.a. | T 19 |
| W20 | 16 42 | 7 29 | 4 49 | 23 50 | 2 9 | 16 27 | 1 22 | 17 4 | 0 33 | 13 43 | 0 52 | 5 29 | 2 28 | 23 41 | 0 22 | 4 40 | 2 10 | 36 36 | 13 52 | 23 22 | 23 15 | 23 14 | | n.a. | W20 |
| T 21 | 16 24 | 2 2 | 5 4 | 23 33 | 2 10 | 16 2 | 1 21 | 17 16 | 0 32 | 13 44 | 0 52 | 5 29 | 2 28 | 23 41 | 0 22 | 4 41 | 2 10 | 36 37 | 13 52 | 23 21 | 23 15 | 23 13 | | n.a. | T 21 |
| F 22 | 16 6 | 3 s22 | 5 1 | 23 15 | 2 12 | 15 37 | 1 21 | 17 27 | 0 30 | 13 45 | 0 52 | 5 29 | 2 28 | 23 41 | 0 22 | 4 41 | 2 10 | 36 37 | 13 52 | 23 21 | 23 15 | 23 13 | | n.a. | F 22 |
| S 23 | 15 48 | 8 27 | 4 42 | 22 55 | 2 12 | 15 11 | 1 20 | 17 39 | 0 29 | 13 46 | 0 52 | 5 28 | 2 29 | 23 41 | 0 22 | 4 42 | 2 11 | 36 37 | 13 52 | 23 20 | 23 14 | 23 13 | | n.a. | S 23 |
| S 24 | 15 29 | 13 0 | 4 9 | 22 33 | 2 13 | 14 45 | 1 19 | 17 50 | 0 28 | 13 47 | 0 52 | 5 27 | 2 29 | 23 41 | 0 22 | 4 42 | 2 11 | 36 37 | 13 52 | 23 19 | 23 14 | 23 12 | | n.a. | S 24 |
| M25 | 15 11 | 16 51 | 3 25 | 22 9 | 2 13 | 14 19 | 1 18 | 18 1 | 0 27 | 13 48 | 0 52 | 5 27 | 2 29 | 23 41 | 0 22 | 4 43 | 2 11 | 36 37 | 13 51 | 23 19 | 23 14 | 23 12 | | n.a. | M25 |
| T 26 | 14 52 | 19 54 | 2 32 | 21 43 | 2 12 | 13 52 | 1 17 | 18 13 | 0 26 | 13 49 | 0 52 | 5 26 | 2 29 | 23 41 | 0 22 | 4 44 | 2 11 | 36 37 | 13 51 | 23 19 | 23 14 | 23 11 | | n.a. | T 26 |
| W27 | 14 32 | 22 1 | 1 33 | 21 16 | 2 11 | 13 25 | 1 16 | 18 24 | 0 24 | 13 50 | 0 53 | 5 26 | 2 29 | 23 41 | 0 22 | 4 44 | 2 11 | 36 37 | 13 51 | 23 19 | 23 13 | 23 11 | | n.a. | W27 |
| T 28 | 14 s13 | 23 s 8 | 0 s32 | 20 s46 | 2 s 9 | 12 s58 | 1 s15 | 18 s34 | 0n23 | 13 s51 | 0n53 | 5 s25 | 2n29 | 23n40 | 0n22 | 4n45 | 2n11 | 36n37 | 13n51 | 23 s19 | 23 s13 | 23 s10 | | n.a. | T 28 |

Julian Day Number = 994241.5, Delta T = 12h58m49s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'18, Lahiri = -31°24'18 Julian Calendar 1 Feb. 1991 BCE == Greg. Calendar 15 Jan. 1991 BCE


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## MARCH 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 26 51 | 23♒41'42 | 23♐19 | 9♒37 | 0♓58 | 23♏48 | 8♏41 | 19°R18 | 17°R24 | 23°R11 | 16°R27 | 17°R26 | 16♐22 | 22♐16 | n.a. | F 1 |
| S 2 | 9 30 48 | 24°40'11 | 5♑ 8 | 11°27 | 2°12 | 24°25 | 8°43 | 19♎17 | 17♊23 | 23♍ 9 | 16♋26 | 17♐25 | 16°19 | 22°23 | n.a. | S 2 |
| S 3 | 9 34 44 | 25°38'37 | 17° 5 | 13°20 | 3°26 | 25° 2 | 8°45 | 19°15 | 17°23 | 23° 8 | 16°24 | 17°21 | 16°16 | 22°30 | n.a. | S 3 |
| M 4 | 9 38 41 | 26°37'02 | 29°12 | 15°14 | 4°40 | 25°39 | 8°47 | 19°13 | 17°22 | 23° 7 | 16°23 | 17°15 | 16°13 | 22°36 | n.a. | M 4 |
| T 5 | 9 42 37 | 27°35'25 | 11♒32 | 17°10 | 5°54 | 26°16 | 8°49 | 19°12 | 17°22 | 23° 5 | 16°22 | 17° 5 | 16° 9 | 22°43 | n.a. | T 5 |
| W 6 | 9 46 34 | 28°33'45 | 24° 7 | 19° 7 | 7° 8 | 26°53 | 8°50 | 19°10 | 17°21 | 23° 4 | 16°21 | 16°54 | 16° 6 | 22°50 | n.a. | W 6 |
| T 7 | 9 50 30 | 29°32'04 | 6♓56 | 21° 5 | 8°21 | 27°30 | 8°52 | 19° 8 | 17°21 | 23° 2 | 16°20 | 16°42 | 16° 3 | 22°56 | n.a. | T 7 |
| F 8 | 9 54 27 | 0♓30'21 | 20° 0 | 23° 6 | 9°35 | 28° 7 | 8°53 | 19° 6 | 17°21 | 23° 1 | 16°19 | 16°30 | 16° 0 | 23° 3 | n.a. | F 8 |
| S 9 | 9 58 23 | 1°28'36 | 3♈17 | 25° 7 | 10°49 | 28°43 | 8°54 | 19° 3 | 17°21 | 22°59 | 16°18 | 16°19 | 15°57 | 23°10 | n.a. | S 9 |
| S 10 | 10 2 20 | 2°26'48 | 16°45 | 27°10 | 12° 3 | 29°20 | 8°54 | 19° 1 | 17°21 | 22°58 | 16°17 | 16°10 | 15°54 | 23°16 | n.a. | S 10 |
| M11 | 10 6 17 | 3°24'59 | 0♉23 | 29°14 | 13°17 | 29°56 | 8°55 | 18°59 | 17°20 | 22°57 | 16°16 | 16° 4 | 15°50 | 23°23 | n.a. | M11 |
| T 12 | 10 10 13 | 4°23'07 | 14°10 | 1♓20 | 14°31 | 0♐32 | 8°55 | 18°56 | 17°D20 | 22°55 | 16°15 | 16° 1 | 15°47 | 23°29 | n.a. | T 12 |
| W13 | 10 14 10 | 5°21'14 | 28° 5 | 3°26 | 15°45 | 1° 8 | 8°R55 | 18°54 | 17°20 | 22°53 | 16°14 | 15°59 | 15°44 | 23°36 | n.a. | W13 |
| T 14 | 10 18 6 | 6°19'18 | 12♊ 9 | 5°34 | 16°59 | 1°45 | 8°55 | 18°51 | 17°21 | 22°52 | 16°13 | 15°59 | 15°41 | 23°43 | n.a. | T 14 |
| F 15 | 10 22 3 | 7°17'20 | 26°19 | 7°42 | 18°12 | 2°21 | 8°55 | 18°49 | 17°21 | 22°50 | 16°12 | 15°59 | 15°38 | 23°49 | n.a. | F 15 |
| S 16 | 10 25 59 | 8°15'20 | 10♋36 | 9°51 | 19°26 | 2°56 | 8°55 | 18°46 | 17°21 | 22°49 | 16°12 | 15°57 | 15°35 | 23°56 | n.a. | S 16 |
| S 17 | 10 29 56 | 9°13'17 | 24°57 | 12° 0 | 20°40 | 3°32 | 8°54 | 18°43 | 17°21 | 22°47 | 16°11 | 15°54 | 15°31 | 24° 3 | n.a. | S 17 |
| M18 | 10 33 52 | 10°11'13 | 9♌17 | 14° 9 | 21°54 | 4° 8 | 8°53 | 18°40 | 17°21 | 22°46 | 16°10 | 15°47 | 15°28 | 24° 9 | n.a. | M18 |
| T 19 | 10 37 49 | 11° 9'07 | 23°34 | 16°17 | 23° 7 | 4°43 | 8°52 | 18°37 | 17°22 | 22°44 | 16° 9 | 15°38 | 15°25 | 24°16 | n.a. | T 19 |
| W20 | 10 41 45 | 12° 6'59 | 7♍40 | 18°26 | 24°21 | 5°19 | 8°51 | 18°34 | 17°22 | 22°43 | 16° 8 | 15°26 | 15°22 | 24°23 | n.a. | W20 |
| T 21 | 10 45 42 | 13° 4'49 | 21°31 | 20°33 | 25°35 | 5°54 | 8°50 | 18°31 | 17°23 | 22°41 | 16° 8 | 15°14 | 15°19 | 24°29 | n.a. | T 21 |
| F 22 | 10 49 39 | 14° 2'38 | 5♎ 3 | 22°40 | 26°48 | 6°29 | 8°48 | 18°28 | 17°23 | 22°39 | 16° 7 | 15° 3 | 15°15 | 24°36 | n.a. | F 22 |
| S 23 | 10 53 35 | 15° 0'24 | 18°13 | 24°45 | 28° 2 | 7° 4 | 8°47 | 18°25 | 17°24 | 22°38 | 16° 6 | 14°52 | 15°12 | 24°43 | n.a. | S 23 |
| S 24 | 10 57 32 | 15°58'10 | 1♏ 1 | 26°49 | 29°15 | 7°39 | 8°45 | 18°22 | 17°24 | 22°36 | 16° 6 | 14°45 | 15° 9 | 24°49 | n.a. | S 24 |
| M25 | 11 1 28 | 16°55'54 | 13°29 | 28°50 | 0♈29 | 8°14 | 8°43 | 18°18 | 17°25 | 22°35 | 16° 5 | 14°39 | 15° 6 | 24°56 | n.a. | M25 |
| T 26 | 11 5 25 | 17°53'37 | 25°40 | 0♈50 | 1°43 | 8°49 | 8°40 | 18°15 | 17°26 | 22°33 | 16° 4 | 14°37 | 15° 3 | 25° 3 | n.a. | T 26 |
| W27 | 11 9 21 | 18°51'18 | 7♐38 | 2°47 | 2°56 | 9°23 | 8°38 | 18°11 | 17°26 | 22°31 | 16° 4 | 14°36 | 15° 0 | 25° 9 | n.a. | W27 |
| T 28 | 11 13 18 | 19°48'59 | 19°29 | 4°41 | 4°10 | 9°57 | 8°35 | 18° 8 | 17°27 | 22°30 | 16° 3 | 14°36 | 14°56 | 25°16 | n.a. | T 28 |
| F 29 | 11 17 14 | 20°46'38 | 1♑17 | 6°33 | 5°23 | 10°32 | 8°33 | 18° 4 | 17°28 | 22°28 | 16° 3 | 14°35 | 14°53 | 25°22 | n.a. | F 29 |
| S 30 | 11 21 11 | 21°44'15 | 13° 9 | 8°21 | 6°37 | 11° 6 | 8°30 | 18° 1 | 17°29 | 22°26 | 16° 2 | 14°34 | 14°50 | 25°29 | n.a. | S 30 |
| S 31 | 11 25 8 | 22♓41'52 | 25♑ 9 | 10♈ 7 | 7♈50 | 11♐40 | 8♏26 | 17♎57 | 17♊30 | 22♍25 | 16♋ 2 | 14♐30 | 14♐47 | 25♐36 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 13s53 | 23s14 | 0n31 | 20s14 | 2s 7 | 12s30 | 1s14 | 18s45 | 0n22 | 13s51 | 0n53 | 5s24 | 2n30 | 23n40 | 0n22 | 4n45 | 2n11 | 36n37 | 13n51 | 23s19 | 23s13 | 23s10 | | n.a. |
| S 2 | 13 34 | 22 16 | 1 33 | 19 40 | 2 4 | 12 2 | 1 13 | 18 56 | 0 20 | 13 52 | 0 53 | 5 23 | 2 30 | 23 40 | 0 22 | 4 46 | 2 11 | 36 37 | 13 51 | 23 19 | 23 12 | 23 9 | | n.a. |
| S 3 | 13 14 | 20 19 | 2 31 | 19 4 | 2 0 | 11 34 | 1 12 | 19 6 | 0 19 | 13 53 | 0 53 | 5 23 | 2 30 | 23 40 | 0 22 | 4 46 | 2 11 | 36 37 | 13 50 | 23 18 | 23 12 | 23 9 | | n.a. |
| M 4 | 12 54 | 17 25 | 3 23 | 18 27 | 1 56 | 11 5 | 1 10 | 19 17 | 0 17 | 13 53 | 0 53 | 5 22 | 2 30 | 23 40 | 0 22 | 4 47 | 2 11 | 36 36 | 13 50 | 23 18 | 23 12 | 23 8 | | n.a. |
| T 5 | 12 33 | 13 44 | 4 6 | 17 47 | 1 52 | 10 36 | 1 9 | 19 27 | 0 16 | 13 54 | 0 53 | 5 21 | 2 30 | 23 40 | 0 22 | 4 48 | 2 11 | 36 36 | 13 50 | 23 17 | 23 11 | 23 8 | | n.a. |
| W 6 | 12 13 | 9 23 | 4 38 | 17 5 | 1 47 | 10 7 | 1 8 | 19 37 | 0 14 | 13 54 | 0 53 | 5 20 | 2 31 | 23 40 | 0 22 | 4 48 | 2 11 | 36 36 | 13 50 | 23 16 | 23 11 | 23 7 | | n.a. |
| T 7 | 11 52 | 4 33 | 4 57 | 16 21 | 1 41 | 9 37 | 1 6 | 19 47 | 0 13 | 13 54 | 0 53 | 5 19 | 2 31 | 23 40 | 0 22 | 4 49 | 2 11 | 36 36 | 13 49 | 23 15 | 23 11 | 23 7 | | n.a. |
| F 8 | 11 31 | 0n34 | 5 1 | 15 35 | 1 35 | 9 7 | 1 5 | 19 57 | 0 11 | 13 55 | 0 53 | 5 18 | 2 31 | 23 40 | 0 22 | 4 49 | 2 11 | 36 36 | 13 49 | 23 13 | 23 10 | 23 6 | | n.a. |
| S 9 | 11 10 | 5 44 | 4 49 | 14 48 | 1 28 | 8 37 | 1 3 | 20 7 | 0 10 | 13 55 | 0 53 | 5 17 | 2 31 | 23 40 | 0 22 | 4 50 | 2 11 | 36 36 | 13 49 | 23 12 | 23 10 | 23 6 | | n.a. |
| S 10 | 10 49 | 10 42 | 4 20 | 13 58 | 1 21 | 8 7 | 1 1 | 20 17 | 0 8 | 13 55 | 0 53 | 5 16 | 2 31 | 23 40 | 0 22 | 4 51 | 2 11 | 36 36 | 13 49 | 23 11 | 23 10 | 23 5 | | n.a. |
| M11 | 10 27 | 15 12 | 3 37 | 13 7 | 1 13 | 7 37 | 1 0 | 20 26 | 0 7 | 13 55 | 0 53 | 5 15 | 2 31 | 23 40 | 0 22 | 4 51 | 2 11 | 36 36 | 13 49 | 23 11 | 23 9 | 23 5 | | n.a. |
| T 12 | 10 6 | 18 57 | 2 40 | 12 14 | 1 5 | 7 6 | 0 58 | 20 35 | 0 5 | 13 55 | 0 53 | 5 14 | 2 31 | 23 40 | 0 22 | 4 52 | 2 11 | 36 36 | 13 48 | 23 10 | 23 9 | 23 4 | | n.a. |
| W13 | 9 44 | 21 39 | 1 33 | 11 19 | 0 57 | 6 36 | 0 56 | 20 45 | 0 3 | 13 55 | 0 53 | 5 13 | 2 32 | 23 40 | 0 22 | 4 53 | 2 11 | 36 36 | 13 48 | 23 10 | 23 8 | 23 4 | | n.a. |
| T 14 | 9 22 | 23 2 | 0 20 | 10 23 | 0 47 | 6 5 | 0 55 | 20 54 | 0 2 | 13 55 | 0 53 | 5 12 | 2 32 | 23 40 | 0 22 | 4 53 | 2 11 | 36 36 | 13 48 | 23 10 | 23 8 | 23 3 | | n.a. |
| F 15 | 9 0 | 22 58 | 0s54 | 9 26 | 0 38 | 5 34 | 0 53 | 21 3 | 0 0 | 13 55 | 0 53 | 5 11 | 2 32 | 23 40 | 0 22 | 4 54 | 2 11 | 36 35 | 13 48 | 23 10 | 23 8 | 23 2 | | n.a. |
| S 16 | 8 38 | 21 23 | 2 6 | 8 28 | 0 28 | 5 2 | 0 51 | 21 12 | 0s 2 | 13 55 | 0 53 | 5 10 | 2 32 | 23 40 | 0 22 | 4 55 | 2 11 | 36 35 | 13 47 | 23 10 | 23 7 | 23 2 | | n.a. |
| S 17 | 8 16 | 18 27 | 3 10 | 7 28 | 0 18 | 4 31 | 0 49 | 21 20 | 0 3 | 13 55 | 0 53 | 5 8 | 2 32 | 23 40 | 0 22 | 4 55 | 2 11 | 36 35 | 13 47 | 23 10 | 23 7 | 23 1 | | n.a. |
| M18 | 7 54 | 14 24 | 4 2 | 6 28 | 0 7 | 4 0 | 0 47 | 21 29 | 0 5 | 13 55 | 0 53 | 5 7 | 2 32 | 23 40 | 0 22 | 4 56 | 2 11 | 36 35 | 13 47 | 23 9 | 23 7 | 23 1 | | n.a. |
| T 19 | 7 32 | 9 33 | 4 39 | 5 28 | 0n 4 | 3 28 | 0 45 | 21 37 | 0 7 | 13 54 | 0 53 | 5 6 | 2 32 | 23 40 | 0 22 | 4 57 | 2 11 | 36 35 | 13 46 | 23 8 | 23 6 | 23 0 | | n.a. |
| W20 | 7 9 | 4 16 | 4 58 | 4 27 | 0 14 | 2 57 | 0 43 | 21 46 | 0 9 | 13 54 | 0 53 | 5 5 | 2 33 | 23 40 | 0 22 | 4 57 | 2 11 | 36 35 | 13 46 | 23 7 | 23 6 | 23 0 | | n.a. |
| T 21 | 6 47 | 1s 8 | 4 59 | 3 26 | 0 25 | 2 25 | 0 41 | 21 54 | 0 11 | 13 53 | 0 53 | 5 3 | 2 33 | 23 40 | 0 22 | 4 58 | 2 11 | 36 34 | 13 46 | 23 5 | 23 6 | 22 59 | | n.a. |
| F 22 | 6 24 | 6 21 | 4 43 | 2 25 | 0 36 | 1 53 | 0 39 | 22 2 | 0 13 | 13 53 | 0 53 | 5 2 | 2 33 | 23 40 | 0 22 | 4 58 | 2 11 | 36 34 | 13 46 | 23 4 | 23 5 | 22 58 | | n.a. |
| S 23 | 6 1 | 11 9 | 4 12 | 1 25 | 0 47 | 1 21 | 0 37 | 22 10 | 0 15 | 13 52 | 0 53 | 5 1 | 2 33 | 23 40 | 0 22 | 4 59 | 2 11 | 36 34 | 13 45 | 23 3 | 23 5 | 22 58 | | n.a. |
| S 24 | 5 39 | 15 19 | 3 29 | 0 25 | 0 57 | 0 49 | 0 34 | 22 18 | 0 16 | 13 52 | 0 53 | 4 59 | 2 33 | 23 40 | 0 22 | 5 0 | 2 11 | 36 34 | 13 45 | 23 2 | 23 5 | 22 57 | | n.a. |
| M25 | 5 16 | 18 41 | 2 37 | 0n34 | 1 8 | 0 18 | 0 32 | 22 26 | 0 18 | 13 51 | 0 53 | 4 58 | 2 33 | 23 40 | 0 22 | 5 0 | 2 11 | 36 34 | 13 45 | 23 1 | 23 4 | 22 57 | | n.a. |
| T 26 | 4 53 | 21 9 | 1 39 | 1 31 | 1 18 | 0n14 | 0 30 | 22 33 | 0 20 | 13 50 | 0 53 | 4 56 | 2 33 | 23 40 | 0 22 | 5 1 | 2 11 | 36 33 | 13 44 | 23 1 | 23 4 | 22 56 | | n.a. |
| W27 | 4 30 | 22 38 | 0 37 | 2 27 | 1 27 | 0 46 | 0 28 | 22 41 | 0 23 | 13 49 | 0 53 | 4 55 | 2 33 | 23 40 | 0 22 | 5 2 | 2 11 | 36 33 | 13 44 | 23 1 | 23 4 | 22 55 | | n.a. |
| T 28 | 4 7 | 23 4 | 0n26 | 3 22 | 1 36 | 1 18 | 0 25 | 22 48 | 0 25 | 13 49 | 0 53 | 4 53 | 2 33 | 23 40 | 0 22 | 5 2 | 2 11 | 36 33 | 13 44 | 23 1 | 23 3 | 22 55 | | n.a. |
| F 29 | 3 44 | 22 28 | 1 27 | 4 15 | 1 45 | 1 50 | 0 23 | 22 55 | 0 27 | 13 48 | 0 53 | 4 52 | 2 34 | 23 41 | 0 22 | 5 3 | 2 11 | 36 33 | 13 43 | 23 1 | 23 3 | 22 54 | | n.a. |
| S 30 | 3 20 | 20 51 | 2 25 | 5 6 | 1 53 | 2 22 | 0 21 | 23 2 | 0 29 | 13 47 | 0 53 | 4 51 | 2 34 | 23 41 | 0 22 | 5 4 | 2 11 | 36 32 | 13 43 | 23 1 | 23 2 | 22 53 | | n.a. |
| S 31 | 2s57 | 18s18 | 3n17 | 5n56 | 2n 1 | 2n53 | 0s18 | 23s 9 | 0s31 | 13s46 | 0n53 | 4s49 | 2n34 | 23n41 | 0n22 | 5n 4 | 2n11 | 36n32 | 13n43 | 23s 0 | 23s 2 | 22s53 | | n.a. |

Julian Day Number = 994269.5, Delta T = 12h58m47s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'15, Lahiri = -31°24'14 Julian Calendar 1 March 1991 BCE == Greg. Calendar 12 Feb. 1991 BCE

The year -1990 astronomical counting style corresponds to year 1991 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## APRIL 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 29 4 | 23♓39'27 | 7♒22 | 11♈50 | 9♈ 4 | 12♐13 | 8°R23 | 17°R53 | 17♊31 | 22°R23 | 16°R 2 | 14°R24 | 14♐44 | 25♐42 | n.a. | M 1 |
| T 2 | 11 33 1 | 24°37'01 | 19°51 | 13°29 | 10°17 | 12°47 | 8♏20 | 17♎49 | 17°32 | 22♍22 | 16♋ 1 | 14♐15 | 14°40 | 25°49 | n.a. | T 2 |
| W 3 | 11 36 57 | 25°34'34 | 2♓38 | 15° 6 | 11°30 | 13°20 | 8°16 | 17°45 | 17°33 | 22°20 | 16° 1 | 14° 5 | 14°37 | 25°56 | n.a. | W 3 |
| T 4 | 11 40 54 | 26°32'05 | 15°45 | 16°38 | 12°44 | 13°53 | 8°12 | 17°42 | 17°34 | 22°18 | 16° 1 | 13°53 | 14°34 | 26° 2 | n.a. | T 4 |
| F 5 | 11 44 50 | 27°29'36 | 29°10 | 18° 8 | 13°57 | 14°26 | 8° 8 | 17°38 | 17°36 | 22°17 | 16° 0 | 13°41 | 14°31 | 26° 9 | n.a. | F 5 |
| S 6 | 11 48 47 | 28°27'05 | 12♈50 | 19°34 | 15°11 | 14°59 | 8° 4 | 17°34 | 17°37 | 22°15 | 16° 0 | 13°30 | 14°28 | 26°16 | n.a. | S 6 |
| S 7 | 11 52 43 | 29°24'32 | 26°43 | 20°56 | 16°24 | 15°32 | 8° 0 | 17°30 | 17°38 | 22°14 | 16° 0 | 13°21 | 14°25 | 26°22 | n.a. | S 7 |
| M 8 | 11 56 40 | 0♈21'58 | 10♉44 | 22°16 | 17°37 | 16° 4 | 7°55 | 17°26 | 17°40 | 22°12 | 16° 0 | 13°15 | 14°21 | 26°29 | n.a. | M 8 |
| T 9 | 12 0 36 | 1°19'23 | 24°50 | 23°31 | 18°51 | 16°36 | 7°50 | 17°21 | 17°41 | 22°10 | 15°59 | 13°12 | 14°18 | 26°36 | n.a. | T 9 |
| W10 | 12 4 33 | 2°16'47 | 8♊59 | 24°43 | 20° 4 | 17° 8 | 7°46 | 17°17 | 17°43 | 22° 9 | 15°59 | 13°D11 | 14°15 | 26°42 | n.a. | W10 |
| T 11 | 12 8 30 | 3°14'09 | 23° 8 | 25°51 | 21°17 | 17°40 | 7°41 | 17°13 | 17°44 | 22° 7 | 15°59 | 13°11 | 14°12 | 26°49 | n.a. | T 11 |
| F 12 | 12 12 26 | 4°11'30 | 7♋16 | 26°55 | 22°30 | 18°11 | 7°35 | 17° 9 | 17°46 | 22° 6 | 15°59 | 13°R11 | 14° 9 | 26°56 | n.a. | F 12 |
| S 13 | 12 16 23 | 5° 8'49 | 21°22 | 27°56 | 23°44 | 18°42 | 7°30 | 17° 5 | 17°47 | 22° 4 | 15°59 | 13°10 | 14° 6 | 27° 2 | n.a. | S 13 |
| S 14 | 12 20 19 | 6° 6'07 | 5♌25 | 28°53 | 24°57 | 19°13 | 7°25 | 17° 0 | 17°49 | 22° 2 | 15°D59 | 13° 7 | 14° 2 | 27° 9 | n.a. | S 14 |
| M15 | 12 24 16 | 7° 3'24 | 19°23 | 29°45 | 26°10 | 19°44 | 7°19 | 16°56 | 17°51 | 22° 1 | 15°59 | 13° 1 | 13°59 | 27°16 | n.a. | M15 |
| T 16 | 12 28 12 | 8° 0'39 | 3♍14 | 0♉34 | 27°23 | 20°15 | 7°14 | 16°52 | 17°53 | 21°59 | 15°59 | 12°54 | 13°56 | 27°22 | n.a. | T 16 |
| W17 | 12 32 9 | 8°57'53 | 16°54 | 1°19 | 28°36 | 20°45 | 7° 8 | 16°48 | 17°54 | 21°58 | 15°59 | 12°44 | 13°53 | 27°29 | n.a. | W17 |
| T 18 | 12 36 5 | 9°55'06 | 0♎21 | 1°59 | 29°49 | 21°15 | 7° 2 | 16°43 | 17°56 | 21°56 | 15°59 | 12°34 | 13°50 | 27°35 | n.a. | T 18 |
| F 19 | 12 40 2 | 10°52'19 | 13°33 | 2°35 | 1♉ 2 | 21°45 | 6°56 | 16°39 | 17°58 | 21°55 | 15°59 | 12°24 | 13°46 | 27°42 | n.a. | F 19 |
| S 20 | 12 43 59 | 11°49'30 | 26°29 | 3° 7 | 2°15 | 22°14 | 6°50 | 16°35 | 18° 0 | 21°53 | 16° 0 | 12°15 | 13°43 | 27°49 | n.a. | S 20 |
| S 21 | 12 47 55 | 12°46'41 | 9♏ 6 | 3°35 | 3°28 | 22°44 | 6°43 | 16°30 | 18° 2 | 21°52 | 16° 0 | 12° 8 | 13°40 | 27°55 | n.a. | S 21 |
| M22 | 12 51 52 | 13°43'51 | 21°28 | 3°58 | 4°41 | 23°12 | 6°37 | 16°26 | 18° 4 | 21°50 | 16° 0 | 12° 4 | 13°37 | 28° 2 | n.a. | M22 |
| T 23 | 12 55 48 | 14°41'00 | 3♐35 | 4°16 | 5°54 | 23°41 | 6°31 | 16°21 | 18° 6 | 21°49 | 16° 0 | 12° 2 | 13°34 | 28° 9 | n.a. | T 23 |
| W24 | 12 59 45 | 15°38'09 | 15°32 | 4°30 | 7° 7 | 24° 9 | 6°24 | 16°17 | 18° 8 | 21°47 | 16° 1 | 12°D 1 | 13°31 | 28°15 | n.a. | W24 |
| T 25 | 13 3 41 | 16°35'17 | 27°23 | 4°40 | 8°20 | 24°37 | 6°17 | 16°13 | 18°10 | 21°46 | 16° 1 | 12° 2 | 13°27 | 28°22 | n.a. | T 25 |
| F 26 | 13 7 38 | 17°32'25 | 9♑11 | 4°44 | 9°33 | 25° 5 | 6°10 | 16° 8 | 18°13 | 21°44 | 16° 1 | 12° 3 | 13°24 | 28°29 | n.a. | F 26 |
| S 27 | 13 11 35 | 18°29'33 | 21° 4 | 4°R45 | 10°46 | 25°32 | 6° 3 | 16° 4 | 18°15 | 21°43 | 16° 2 | 12°R 3 | 13°21 | 28°35 | n.a. | S 27 |
| S 28 | 13 15 31 | 19°26'40 | 3♒ 5 | 4°41 | 11°59 | 25°59 | 5°56 | 16° 0 | 18°17 | 21°42 | 16° 2 | 12° 2 | 13°18 | 28°42 | n.a. | S 28 |
| M29 | 13 19 28 | 20°23'47 | 15°21 | 4°32 | 13°12 | 26°26 | 5°49 | 15°55 | 18°20 | 21°40 | 16° 3 | 11°59 | 13°15 | 28°49 | n.a. | M29 |
| T 30 | 13 23 24 | 21♈20'54 | 27♒54 | 4♉19 | 14♉25 | 26♐52 | 5♏42 | 15♎51 | 18♊22 | 21♍39 | 16♋ 3 | 11♐54 | 13♐11 | 28♐55 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 2s34 | 14s55 | 4n 1 | 6n43 | 2n 8 | 3n25 | 0s16 | 23s16 | 0s33 | 13s45 | 0n53 | 4s47 | 2n34 | 23n41 | 0n22 | 5n 5 | 2n11 | 36n32 | 13n42 | 22s59 | 23s 2 | 22s52 | | n.a. |
| T 2 | 2 11 | 10 49 | 4 35 | 7 29 | 2 14 | 3 57 | 0 13 | 23 23 | 0 36 | 13 43 | 0 53 | 4 46 | 2 34 | 23 41 | 0 21 | 5 6 | 2 11 | 36 32 | 13 42 | 22 58 | 23 1 | 22 52 | | n.a. |
| W 3 | 1 48 | 6 9 | 4 55 | 8 12 | 2 19 | 4 28 | 0 11 | 23 29 | 0 38 | 13 42 | 0 53 | 4 44 | 2 34 | 23 41 | 0 21 | 5 6 | 2 11 | 36 31 | 13 42 | 22 57 | 23 1 | 22 51 | | n.a. |
| T 4 | 1 24 | 1 7 | 5 1 | 8 53 | 2 24 | 5 0 | 0 8 | 23 36 | 0 40 | 13 41 | 0 53 | 4 43 | 2 34 | 23 41 | 0 21 | 5 7 | 2 11 | 36 31 | 13 41 | 22 56 | 23 1 | 22 50 | | n.a. |
| F 5 | 1 1 | 4n 5 | 4 51 | 9 32 | 2 28 | 5 31 | 0 6 | 23 42 | 0 42 | 13 40 | 0 53 | 4 41 | 2 34 | 23 41 | 0 21 | 5 8 | 2 11 | 36 31 | 13 41 | 22 54 | 23 0 | 22 50 | | n.a. |
| S 6 | 0 38 | 9 12 | 4 23 | 10 8 | 2 32 | 6 2 | 0 3 | 23 48 | 0 45 | 13 38 | 0 53 | 4 40 | 2 34 | 23 41 | 0 21 | 5 8 | 2 11 | 36 30 | 13 41 | 22 53 | 23 0 | 22 49 | | n.a. |
| S 7 | 0 14 | 13 55 | 3 40 | 10 42 | 2 34 | 6 34 | 0 1 | 23 54 | 0 47 | 13 37 | 0 53 | 4 38 | 2 34 | 23 41 | 0 21 | 5 9 | 2 11 | 36 30 | 13 40 | 22 52 | 22 59 | 22 48 | | n.a. |
| M 8 | 0n 9 | 17 55 | 2 43 | 11 14 | 2 36 | 7 5 | 0n 2 | 24 0 | 0 50 | 13 35 | 0 53 | 4 36 | 2 34 | 23 42 | 0 21 | 5 10 | 2 11 | 36 30 | 13 40 | 22 51 | 22 59 | 22 48 | | n.a. |
| T 9 | 0 32 | 20 54 | 1 36 | 11 44 | 2 37 | 7 35 | 0 4 | 24 6 | 0 52 | 13 34 | 0 53 | 4 35 | 2 34 | 23 42 | 0 21 | 5 10 | 2 11 | 36 29 | 13 40 | 22 51 | 22 59 | 22 47 | | n.a. |
| W10 | 0 55 | 22 37 | 0 22 | 12 11 | 2 37 | 8 6 | 0 7 | 24 12 | 0 55 | 13 32 | 0 53 | 4 33 | 2 34 | 23 42 | 0 21 | 5 11 | 2 11 | 36 29 | 13 39 | 22 50 | 22 58 | 22 46 | | n.a. |
| T 11 | 1 19 | 22 52 | 0s53 | 12 36 | 2 36 | 8 36 | 0 9 | 24 17 | 0 57 | 13 31 | 0 53 | 4 32 | 2 34 | 23 42 | 0 21 | 5 12 | 2 11 | 36 29 | 13 39 | 22 50 | 22 58 | 22 45 | | n.a. |
| F 12 | 1 42 | 21 39 | 2 5 | 12 59 | 2 35 | 9 7 | 0 12 | 24 23 | 1 0 | 13 29 | 0 53 | 4 30 | 2 34 | 23 42 | 0 21 | 5 12 | 2 11 | 36 28 | 13 39 | 22 50 | 22 58 | 22 45 | | n.a. |
| S 13 | 2 5 | 19 5 | 3 8 | 13 19 | 2 32 | 9 37 | 0 14 | 24 28 | 1 3 | 13 27 | 0 53 | 4 28 | 2 34 | 23 42 | 0 21 | 5 13 | 2 11 | 36 28 | 13 38 | 22 50 | 22 57 | 22 44 | | n.a. |
| S 14 | 2 28 | 15 24 | 4 1 | 13 36 | 2 29 | 10 7 | 0 17 | 24 34 | 1 5 | 13 26 | 0 53 | 4 27 | 2 34 | 23 42 | 0 21 | 5 13 | 2 11 | 36 28 | 13 38 | 22 50 | 22 57 | 22 43 | | n.a. |
| M15 | 2 51 | 10 54 | 4 38 | 13 52 | 2 25 | 10 36 | 0 19 | 24 39 | 1 8 | 13 24 | 0 53 | 4 25 | 2 34 | 23 43 | 0 21 | 5 14 | 2 11 | 36 27 | 13 38 | 22 49 | 22 56 | 22 43 | | n.a. |
| T 16 | 3 14 | 5 53 | 4 59 | 14 4 | 2 20 | 11 5 | 0 22 | 24 44 | 1 11 | 13 22 | 0 53 | 4 23 | 2 34 | 23 43 | 0 21 | 5 15 | 2 11 | 36 27 | 13 37 | 22 48 | 22 56 | 22 42 | | n.a. |
| W17 | 3 37 | 0 38 | 5 3 | 14 15 | 2 14 | 11 35 | 0 25 | 24 49 | 1 14 | 13 20 | 0 53 | 4 22 | 2 34 | 23 43 | 0 21 | 5 15 | 2 11 | 36 27 | 13 37 | 22 47 | 22 56 | 22 41 | | n.a. |
| T 18 | 4 0 | 4s33 | 4 49 | 14 23 | 2 7 | 12 3 | 0 27 | 24 54 | 1 17 | 13 18 | 0 53 | 4 20 | 2 34 | 23 43 | 0 21 | 5 16 | 2 11 | 36 26 | 13 37 | 22 46 | 22 55 | 22 40 | | n.a. |
| F 19 | 4 23 | 9 26 | 4 20 | 14 28 | 1 59 | 12 32 | 0 30 | 24 59 | 1 19 | 13 16 | 0 53 | 4 18 | 2 34 | 23 43 | 0 21 | 5 16 | 2 11 | 36 26 | 13 36 | 22 44 | 22 55 | 22 40 | | n.a. |
| S 20 | 4 46 | 13 48 | 3 39 | 14 31 | 1 50 | 13 0 | 0 32 | 25 4 | 1 22 | 13 14 | 0 53 | 4 16 | 2 34 | 23 43 | 0 21 | 5 17 | 2 11 | 36 26 | 13 36 | 22 43 | 22 54 | 22 39 | | n.a. |
| S 21 | 5 9 | 17 27 | 2 47 | 14 32 | 1 41 | 13 28 | 0 35 | 25 8 | 1 25 | 13 12 | 0 53 | 4 15 | 2 34 | 23 44 | 0 21 | 5 18 | 2 11 | 36 25 | 13 36 | 22 42 | 22 54 | 22 38 | | n.a. |
| M22 | 5 31 | 20 14 | 1 48 | 14 30 | 1 30 | 13 56 | 0 37 | 25 13 | 1 28 | 13 10 | 0 53 | 4 13 | 2 34 | 23 44 | 0 21 | 5 18 | 2 11 | 36 25 | 13 35 | 22 42 | 22 54 | 22 37 | | n.a. |
| T 23 | 5 54 | 22 2 | 0 45 | 14 26 | 1 19 | 14 23 | 0 40 | 25 17 | 1 31 | 13 8 | 0 53 | 4 11 | 2 34 | 23 44 | 0 21 | 5 19 | 2 11 | 36 25 | 13 35 | 22 41 | 22 53 | 22 37 | | n.a. |
| W24 | 6 16 | 22 48 | 0n19 | 14 20 | 1 7 | 14 50 | 0 42 | 25 22 | 1 34 | 13 6 | 0 53 | 4 10 | 2 34 | 23 44 | 0 21 | 5 19 | 2 11 | 36 24 | 13 35 | 22 41 | 22 53 | 22 36 | | n.a. |
| T 25 | 6 39 | 22 32 | 1 22 | 14 11 | 0 54 | 15 16 | 0 45 | 25 26 | 1 38 | 13 4 | 0 53 | 4 8 | 2 34 | 23 44 | 0 21 | 5 20 | 2 11 | 36 24 | 13 34 | 22 41 | 22 52 | 22 35 | | n.a. |
| F 26 | 7 1 | 21 15 | 2 21 | 13 59 | 0 40 | 15 42 | 0 47 | 25 31 | 1 41 | 13 1 | 0 52 | 4 6 | 2 34 | 23 44 | 0 21 | 5 20 | 2 11 | 36 23 | 13 34 | 22 41 | 22 52 | 22 34 | | n.a. |
| S 27 | 7 23 | 19 2 | 3 14 | 13 46 | 0 26 | 16 8 | 0 49 | 25 35 | 1 44 | 12 59 | 0 52 | 4 5 | 2 34 | 23 45 | 0 21 | 5 21 | 2 11 | 36 23 | 13 34 | 22 42 | 22 52 | 22 34 | | n.a. |
| S 28 | 7 45 | 15 58 | 4 0 | 13 31 | 0 11 | 16 33 | 0 52 | 25 39 | 1 47 | 12 57 | 0 52 | 4 3 | 2 34 | 23 45 | 0 21 | 5 21 | 2 11 | 36 23 | 13 33 | 22 41 | 22 51 | 22 33 | | n.a. |
| M29 | 8 7 | 12 11 | 4 35 | 13 13 | 0s 5 | 16 58 | 0 54 | 25 43 | 1 51 | 12 55 | 0 52 | 4 1 | 2 34 | 23 45 | 0 21 | 5 22 | 2 11 | 36 22 | 13 33 | 22 41 | 22 51 | 22 32 | | n.a. |
| T 30 | 8n29 | 7s47 | 4n59 | 12n54 | 0s21 | 17n23 | 0n56 | 25s47 | 1s54 | 12s52 | 0n52 | 4s 0 | 2n34 | 23n45 | 0n21 | 5n22 | 2n11 | 36n22 | 13n32 | 22s40 | 22s50 | 22s31 | | n.a. |

Julian Day Number = 994300.5, Delta T = 12h58m45s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'10, Lahiri = -31°24'10 Julian Calendar 1 Apr. 1991 BCE == Greg. Calendar 15 March 1991 BCE


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## MAY 1991 BCE (-1990) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 27 21 | 22♈18'00 | 10♓48 | 4°R 3 | 15♉37 | 27♐18 | 5°R35 | 15°R47 | 18♊24 | 21°R38 | 16♋ 4 | 11°R48 | 13♐ 8 | 29♐ 2 | n.a. | W 1 |
| T 2 | 13 31 17 | 23°15'06 | 24° 6 | 3♉42 | 16°50 | 27°44 | 5♏28 | 15♎42 | 18°27 | 21♍36 | 16° 4 | 11♐40 | 13° 5 | 29° 9 | n.a. | T 2 |
| F 3 | 13 35 14 | 24°12'12 | 7♈45 | 3°18 | 18° 3 | 28° 9 | 5°20 | 15°38 | 18°29 | 21°35 | 16° 5 | 11°32 | 13° 2 | 29°15 | n.a. | F 3 |
| S 4 | 13 39 10 | 25° 9'18 | 21°45 | 2°52 | 19°16 | 28°34 | 5°13 | 15°34 | 18°32 | 21°34 | 16° 5 | 11°25 | 12°59 | 29°22 | n.a. | S 4 |
| S 5 | 13 43 7 | 26° 6'23 | 6♉ 0 | 2°22 | 20°29 | 28°58 | 5° 6 | 15°29 | 18°34 | 21°32 | 16° 6 | 11°20 | 12°56 | 29°29 | n.a. | S 5 |
| M 6 | 13 47 4 | 27° 3'28 | 20°27 | 1°51 | 21°41 | 29°22 | 4°58 | 15°25 | 18°37 | 21°31 | 16° 6 | 11°16 | 12°52 | 29°35 | n.a. | M 6 |
| T 7 | 13 51 0 | 28° 0'32 | 4♊58 | 1°18 | 22°54 | 29°45 | 4°51 | 15°21 | 18°40 | 21°30 | 16° 7 | 11°D14 | 12°49 | 29°42 | n.a. | T 7 |
| W 8 | 13 54 57 | 28°57'36 | 19°28 | 0°43 | 24° 7 | 0♑ 8 | 4°43 | 15°17 | 18°42 | 21°29 | 16° 8 | 11°14 | 12°46 | 29°48 | n.a. | W 8 |
| T 9 | 13 58 53 | 29°54'40 | 3♋53 | 0° 9 | 25°19 | 0°31 | 4°35 | 15°12 | 18°45 | 21°27 | 16° 9 | 11°15 | 12°43 | 29°55 | n.a. | T 9 |
| F 10 | 14 2 50 | 0♉51'43 | 18°10 | 29♈34 | 26°32 | 0°53 | 4°28 | 15° 8 | 18°48 | 21°26 | 16° 9 | 11°17 | 12°40 | 0♑ 2 | n.a. | F 10 |
| S 11 | 14 6 46 | 1°48'46 | 2♌17 | 29° 0 | 27°44 | 1°14 | 4°20 | 15° 4 | 18°51 | 21°25 | 16°10 | 11°R17 | 12°37 | 0° 8 | n.a. | S 11 |
| S 12 | 14 10 43 | 2°45'48 | 16°12 | 28°27 | 28°57 | 1°35 | 4°12 | 15° 0 | 18°54 | 21°24 | 16°11 | 11°16 | 12°33 | 0°15 | n.a. | S 12 |
| M13 | 14 14 39 | 3°42'50 | 29°55 | 27°57 | 0♊10 | 1°56 | 4° 5 | 14°56 | 18°56 | 21°23 | 16°12 | 11°14 | 12°30 | 0°22 | n.a. | M13 |
| T 14 | 14 18 36 | 4°39'51 | 13♍25 | 27°28 | 1°22 | 2°16 | 3°57 | 14°52 | 18°59 | 21°22 | 16°13 | 11°10 | 12°27 | 0°28 | n.a. | T 14 |
| W15 | 14 22 33 | 5°36'52 | 26°43 | 27° 3 | 2°34 | 2°36 | 3°49 | 14°48 | 19° 2 | 21°21 | 16°14 | 11° 5 | 12°24 | 0°35 | n.a. | W15 |
| T 16 | 14 26 29 | 6°33'53 | 9♎46 | 26°41 | 3°47 | 2°55 | 3°42 | 14°44 | 19° 5 | 21°20 | 16°15 | 10°59 | 12°21 | 0°42 | n.a. | T 16 |
| F 17 | 14 30 26 | 7°30'54 | 22°36 | 26°22 | 4°59 | 3°13 | 3°34 | 14°40 | 19° 8 | 21°19 | 16°16 | 10°54 | 12°17 | 0°48 | n.a. | F 17 |
| S 18 | 14 34 22 | 8°27'55 | 5♏12 | 26° 8 | 6°12 | 3°31 | 3°26 | 14°36 | 19°11 | 21°18 | 16°17 | 10°49 | 12°14 | 0°55 | n.a. | S 18 |
| S 19 | 14 38 19 | 9°24'56 | 17°36 | 25°58 | 7°24 | 3°49 | 3°19 | 14°33 | 19°14 | 21°17 | 16°18 | 10°46 | 12°11 | 1° 2 | n.a. | S 19 |
| M20 | 14 42 15 | 10°21'58 | 29°47 | 25°52 | 8°36 | 4° 5 | 3°11 | 14°29 | 19°17 | 21°16 | 16°19 | 10°44 | 12° 8 | 1° 8 | n.a. | M20 |
| T 21 | 14 46 12 | 11°18'59 | 11♐48 | 25°D51 | 9°49 | 4°22 | 3° 4 | 14°25 | 19°20 | 21°15 | 16°20 | 10°D43 | 12° 5 | 1°15 | n.a. | T 21 |
| W22 | 14 50 9 | 12°16'02 | 23°41 | 25°56 | 11° 1 | 4°37 | 2°56 | 14°22 | 19°24 | 21°14 | 16°21 | 10°44 | 12° 2 | 1°22 | n.a. | W22 |
| T 23 | 14 54 5 | 13°13'04 | 5♑30 | 26° 5 | 12°13 | 4°52 | 2°49 | 14°18 | 19°27 | 21°13 | 16°22 | 10°45 | 11°58 | 1°28 | n.a. | T 23 |
| F 24 | 14 58 2 | 14°10'07 | 17°19 | 26°19 | 13°25 | 5° 7 | 2°41 | 14°15 | 19°30 | 21°12 | 16°23 | 10°47 | 11°55 | 1°35 | n.a. | F 24 |
| S 25 | 15 1 58 | 15° 7'11 | 29°11 | 26°39 | 14°37 | 5°20 | 2°34 | 14°11 | 19°33 | 21°12 | 16°24 | 10°49 | 11°52 | 1°42 | n.a. | S 25 |
| S 26 | 15 5 55 | 16° 4'15 | 11♒12 | 27° 4 | 15°50 | 5°33 | 2°27 | 14° 8 | 19°36 | 21°11 | 16°25 | 10°R50 | 11°49 | 1°48 | n.a. | S 26 |
| M27 | 15 9 51 | 17° 1'20 | 23°27 | 27°33 | 17° 2 | 5°46 | 2°20 | 14° 4 | 19°40 | 21°10 | 16°27 | 10°49 | 11°46 | 1°55 | n.a. | M27 |
| T 28 | 15 13 48 | 17°58'25 | 6♓ 0 | 28° 8 | 18°14 | 5°57 | 2°12 | 14° 1 | 19°43 | 21° 9 | 16°28 | 10°48 | 11°43 | 2° 2 | n.a. | T 28 |
| W29 | 15 17 45 | 18°55'31 | 18°54 | 28°49 | 19°26 | 6° 8 | 2° 5 | 13°58 | 19°46 | 21° 9 | 16°29 | 10°46 | 11°39 | 2° 8 | n.a. | W29 |
| T 30 | 15 21 41 | 19°52'38 | 2♈13 | 29°34 | 20°38 | 6°19 | 1°58 | 13°55 | 19°50 | 21° 8 | 16°31 | 10°44 | 11°36 | 2°15 | n.a. | T 30 |
| F 31 | 15 25 38 | 20♉49'46 | 15♈58 | 0♉24 | 21♊50 | 6♑28 | 1♏51 | 13♎52 | 19♊53 | 21♍ 7 | 16♋32 | 10♐41 | 11♐33 | 2♑22 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 8n51 | 2s56 | 5n 8 | 12n33 | 0s37 | 17n47 | 0n59 | 25s51 | 1s57 | 12s50 | 0n52 | 3s58 | 2n34 | 23n45 | 0n21 | 5n23 | 2n11 | 36n21 | 13n32 | 22s39 | 22s50 | 22s30 | | | n.a. |
| T 2 | 9 13 | 2n12 | 5 1 | 12 10 | 0 53 | 18 11 | 1 1 | 25 55 | 2 1 | 12 48 | 0 52 | 3 57 | 2 34 | 23 46 | 0 21 | 5 23 | 2 11 | 36 21 | 13 32 | 22 38 | 22 50 | 22 30 | | | n.a. |
| F 3 | 9 34 | 7 21 | 4 36 | 11 46 | 1 10 | 18 34 | 1 3 | 25 59 | 2 4 | 12 45 | 0 52 | 3 55 | 2 34 | 23 46 | 0 21 | 5 24 | 2 11 | 36 21 | 13 31 | 22 37 | 22 49 | 22 29 | | | n.a. |
| S 4 | 9 56 | 12 16 | 3 55 | 11 21 | 1 27 | 18 57 | 1 5 | 26 3 | 2 8 | 12 43 | 0 52 | 3 53 | 2 34 | 23 46 | 0 21 | 5 24 | 2 11 | 36 20 | 13 31 | 22 36 | 22 49 | 22 28 | | | n.a. |
| S 5 | 10 17 | 16 36 | 2 59 | 10 56 | 1 43 | 19 19 | 1 8 | 26 7 | 2 12 | 12 40 | 0 52 | 3 52 | 2 34 | 23 46 | 0 21 | 5 25 | 2 11 | 36 20 | 13 31 | 22 35 | 22 48 | 22 27 | | | n.a. |
| M 6 | 10 38 | 19 59 | 1 50 | 10 30 | 1 59 | 19 40 | 1 10 | 26 10 | 2 15 | 12 38 | 0 51 | 3 50 | 2 33 | 23 47 | 0 21 | 5 25 | 2 11 | 36 19 | 13 30 | 22 35 | 22 48 | 22 26 | | | n.a. |
| T 7 | 10 59 | 22 7 | 0 34 | 10 3 | 2 15 | 20 2 | 1 12 | 26 14 | 2 19 | 12 35 | 0 51 | 3 49 | 2 33 | 23 47 | 0 21 | 5 26 | 2 11 | 36 19 | 13 30 | 22 35 | 22 48 | 22 25 | | | n.a. |
| W 8 | 11 19 | 22 45 | 0s45 | 9 37 | 2 30 | 20 22 | 1 14 | 26 18 | 2 23 | 12 33 | 0 51 | 3 47 | 2 33 | 23 47 | 0 21 | 5 26 | 2 11 | 36 18 | 13 30 | 22 35 | 22 47 | 22 25 | | | n.a. |
| T 9 | 11 40 | 21 52 | 2 0 | 9 12 | 2 44 | 20 42 | 1 16 | 26 22 | 2 26 | 12 30 | 0 51 | 3 45 | 2 33 | 23 47 | 0 21 | 5 27 | 2 11 | 36 18 | 13 29 | 22 35 | 22 47 | 22 24 | | | n.a. |
| F 10 | 12 0 | 19 34 | 3 7 | 8 47 | 2 58 | 21 2 | 1 18 | 26 25 | 2 30 | 12 28 | 0 51 | 3 44 | 2 33 | 23 47 | 0 21 | 5 27 | 2 11 | 36 18 | 13 29 | 22 35 | 22 46 | 22 23 | | | n.a. |
| S 11 | 12 21 | 16 7 | 4 2 | 8 23 | 3 10 | 21 21 | 1 20 | 26 29 | 2 34 | 12 26 | 0 51 | 3 42 | 2 33 | 23 48 | 0 21 | 5 28 | 2 10 | 36 17 | 13 29 | 22 35 | 22 46 | 22 22 | | | n.a. |
| S 12 | 12 41 | 11 49 | 4 42 | 8 1 | 3 21 | 21 39 | 1 22 | 26 33 | 2 38 | 12 23 | 0 51 | 3 41 | 2 33 | 23 48 | 0 21 | 5 28 | 2 10 | 36 17 | 13 28 | 22 35 | 22 46 | 22 21 | | | n.a. |
| M13 | 13 0 | 6 58 | 5 5 | 7 41 | 3 31 | 21 57 | 1 23 | 26 36 | 2 42 | 12 21 | 0 51 | 3 40 | 2 33 | 23 48 | 0 21 | 5 28 | 2 10 | 36 16 | 13 28 | 22 35 | 22 45 | 22 20 | | | n.a. |
| T 14 | 13 20 | 1 52 | 5 11 | 7 22 | 3 40 | 22 14 | 1 25 | 26 40 | 2 46 | 12 18 | 0 50 | 3 38 | 2 33 | 23 48 | 0 21 | 5 29 | 2 10 | 36 16 | 13 28 | 22 34 | 22 45 | 22 20 | | | n.a. |
| W15 | 13 39 | 3s14 | 5 0 | 7 6 | 3 47 | 22 31 | 1 27 | 26 44 | 2 50 | 12 16 | 0 50 | 3 37 | 2 32 | 23 49 | 0 21 | 5 29 | 2 10 | 36 15 | 13 27 | 22 33 | 22 44 | 22 19 | | | n.a. |
| T 16 | 13 59 | 8 7 | 4 33 | 6 52 | 3 53 | 22 47 | 1 29 | 26 47 | 2 54 | 12 13 | 0 50 | 3 35 | 2 32 | 23 49 | 0 21 | 5 30 | 2 10 | 36 15 | 13 27 | 22 33 | 22 44 | 22 18 | | | n.a. |
| F 17 | 14 18 | 12 33 | 3 53 | 6 41 | 3 58 | 23 2 | 1 30 | 26 51 | 2 58 | 12 11 | 0 50 | 3 34 | 2 32 | 23 49 | 0 21 | 5 30 | 2 10 | 36 14 | 13 27 | 22 32 | 22 43 | 22 17 | | | n.a. |
| S 18 | 14 37 | 16 22 | 3 2 | 6 33 | 4 1 | 23 17 | 1 32 | 26 55 | 3 2 | 12 8 | 0 50 | 3 32 | 2 32 | 23 49 | 0 21 | 5 30 | 2 10 | 36 14 | 13 26 | 22 31 | 22 43 | 22 16 | | | n.a. |
| S 19 | 14 55 | 19 23 | 2 3 | 6 28 | 4 3 | 23 31 | 1 33 | 26 59 | 3 7 | 12 6 | 0 50 | 3 31 | 2 32 | 23 50 | 0 21 | 5 31 | 2 10 | 36 14 | 13 26 | 22 31 | 22 43 | 22 15 | | | n.a. |
| M20 | 15 14 | 21 29 | 1 0 | 6 25 | 4 4 | 23 44 | 1 35 | 27 2 | 3 11 | 12 3 | 0 49 | 3 30 | 2 32 | 23 50 | 0 21 | 5 31 | 2 10 | 36 13 | 13 26 | 22 30 | 22 42 | 22 14 | | | n.a. |
| T 21 | 15 32 | 22 34 | 0n 6 | 6 25 | 4 3 | 23 57 | 1 36 | 27 6 | 3 15 | 12 1 | 0 49 | 3 29 | 2 32 | 23 50 | 0 21 | 5 31 | 2 10 | 36 13 | 13 26 | 22 30 | 22 42 | 22 13 | | | n.a. |
| W22 | 15 50 | 22 36 | 1 11 | 6 29 | 4 1 | 24 9 | 1 37 | 27 10 | 3 20 | 11 58 | 0 49 | 3 27 | 2 31 | 23 50 | 0 21 | 5 32 | 2 10 | 36 12 | 13 25 | 22 30 | 22 41 | 22 12 | | | n.a. |
| T 23 | 16 7 | 21 36 | 2 12 | 6 35 | 3 58 | 24 20 | 1 39 | 27 14 | 3 24 | 11 56 | 0 49 | 3 26 | 2 31 | 23 51 | 0 21 | 5 32 | 2 10 | 36 12 | 13 25 | 22 31 | 22 41 | 22 12 | | | n.a. |
| F 24 | 16 25 | 19 40 | 3 8 | 6 44 | 3 54 | 24 31 | 1 40 | 27 17 | 3 28 | 11 53 | 0 49 | 3 25 | 2 31 | 23 51 | 0 21 | 5 32 | 2 10 | 36 11 | 13 25 | 22 31 | 22 40 | 22 11 | | | n.a. |
| S 25 | 16 42 | 16 53 | 3 56 | 6 56 | 3 49 | 24 41 | 1 41 | 27 21 | 3 33 | 11 51 | 0 49 | 3 24 | 2 31 | 23 51 | 0 21 | 5 32 | 2 10 | 36 11 | 13 24 | 22 31 | 22 40 | 22 10 | | | n.a. |
| S 26 | 16 59 | 13 22 | 4 34 | 7 11 | 3 42 | 24 50 | 1 42 | 27 25 | 3 37 | 11 49 | 0 48 | 3 22 | 2 31 | 23 51 | 0 21 | 5 33 | 2 10 | 36 10 | 13 24 | 22 31 | 22 40 | 22 9 | | | n.a. |
| M27 | 17 15 | 9 15 | 5 1 | 7 28 | 3 35 | 24 59 | 1 43 | 27 29 | 3 42 | 11 46 | 0 48 | 3 21 | 2 30 | 23 52 | 0 21 | 5 33 | 2 10 | 36 10 | 13 24 | 22 31 | 22 39 | 22 8 | | | n.a. |
| T 28 | 17 32 | 4 38 | 5 14 | 7 48 | 3 28 | 25 7 | 1 44 | 27 33 | 3 46 | 11 44 | 0 48 | 3 20 | 2 30 | 23 52 | 0 21 | 5 33 | 2 10 | 36 9 | 13 24 | 22 31 | 22 39 | 22 7 | | | n.a. |
| W29 | 17 48 | 0n18 | 5 12 | 8 11 | 3 19 | 25 14 | 1 45 | 27 37 | 3 51 | 11 42 | 0 48 | 3 19 | 2 30 | 23 52 | 0 21 | 5 33 | 2 9 | 36 9 | 13 23 | 22 31 | 22 38 | 22 6 | | | n.a. |
| T 30 | 18 4 | 5 22 | 4 54 | 8 36 | 3 10 | 25 20 | 1 45 | 27 41 | 3 56 | 11 39 | 0 48 | 3 18 | 2 30 | 23 52 | 0 21 | 5 34 | 2 9 | 36 9 | 13 23 | 22 30 | 22 38 | 22 5 | | | n.a. |
| F 31 | 18n19 | 10n21 | 4n18 | 9n 3 | 3s 0 | 25n26 | 1n46 | 27s46 | 4s 0 | 11s37 | 0n47 | 3s17 | 2n30 | 23n53 | 0n21 | 5n34 | 2n 9 | 36n 8 | 13n23 | 22s30 | 22s37 | 22s 4 | | | n.a. |

Julian Day Number = 994330.5, Delta T = 12h58m43s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'06, Lahiri = -31°24'06 Julian Calendar 1 May 1991 BCE == Greg. Calendar 14 Apr. 1991 BCE

The year -1990 astronomical counting style corresponds to year 1991 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## JUNE 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 29 34 | 21♉46'54 | 0♉ 7 | 1♉19 | 23♊ 2 | 6♑37 | 1°R45 | 13°R49 | 19♊56 | 21°R 7 | 16♋33 | 10°R39 | 11♐30 | 2♑28 | n.a. | S 1 |
| S 2 | 15 33 31 | 22°44'03 | 14°37 | 2°19 | 24°14 | 6°45 | 1♏38 | 13♎46 | 20° 0 | 21♍ 6 | 16°35 | 10♐37 | 11°27 | 2°35 | n.a. | S 2 |
| M 3 | 15 37 27 | 23°41'13 | 29°22 | 3°24 | 25°26 | 6°52 | 1°31 | 13°43 | 20° 3 | 21° 6 | 16°36 | 10°36 | 11°23 | 2°41 | n.a. | M 3 |
| T 4 | 15 41 24 | 24°38'24 | 14♊15 | 4°33 | 26°38 | 6°59 | 1°25 | 13°40 | 20° 7 | 21° 5 | 16°37 | 10°D35 | 11°20 | 2°48 | n.a. | T 4 |
| W 5 | 15 45 20 | 25°35'36 | 29° 9 | 5°48 | 27°49 | 7° 5 | 1°18 | 13°37 | 20°10 | 21° 5 | 16°39 | 10°36 | 11°17 | 2°55 | n.a. | W 5 |
| T 6 | 15 49 17 | 26°32'47 | 13♋56 | 7° 7 | 29° 1 | 7°10 | 1°12 | 13°35 | 20°14 | 21° 4 | 16°40 | 10°37 | 11°14 | 3° 1 | n.a. | T 6 |
| F 7 | 15 53 14 | 27°30'00 | 28°30 | 8°30 | 0♌13 | 7°14 | 1° 6 | 13°32 | 20°17 | 21° 4 | 16°42 | 10°38 | 11°11 | 3° 8 | n.a. | F 7 |
| S 8 | 15 57 10 | 28°27'13 | 12♌47 | 9°57 | 1°25 | 7°17 | 1° 0 | 13°30 | 20°21 | 21° 3 | 16°43 | 10°39 | 11° 8 | 3°15 | n.a. | S 8 |
| S 9 | 16 1 7 | 29°24'26 | 26°44 | 11°29 | 2°36 | 7°20 | 0°54 | 13°27 | 20°24 | 21° 3 | 16°45 | 10°R39 | 11° 4 | 3°21 | n.a. | S 9 |
| M10 | 16 5 3 | 0♍21'40 | 10♍23 | 13° 5 | 3°48 | 7°22 | 0°48 | 13°25 | 20°28 | 21° 3 | 16°46 | 10°39 | 11° 1 | 3°28 | n.a. | M10 |
| T 11 | 16 9 0 | 1°18'54 | 23°41 | 14°45 | 4°59 | 7°23 | 0°42 | 13°23 | 20°31 | 21° 2 | 16°48 | 10°38 | 10°58 | 3°35 | n.a. | T 11 |
| W12 | 16 12 56 | 2°16'09 | 6♎43 | 16°28 | 6°11 | 7°R23 | 0°37 | 13°21 | 20°35 | 21° 2 | 16°50 | 10°37 | 10°55 | 3°41 | n.a. | W12 |
| T 13 | 16 16 53 | 3°13'25 | 19°28 | 18°15 | 7°23 | 7°22 | 0°31 | 13°19 | 20°39 | 21° 2 | 16°51 | 10°36 | 10°52 | 3°48 | n.a. | T 13 |
| F 14 | 16 20 50 | 4°10'42 | 1♏59 | 20° 5 | 8°34 | 7°21 | 0°26 | 13°17 | 20°42 | 21° 2 | 16°53 | 10°36 | 10°48 | 3°55 | n.a. | F 14 |
| S 15 | 16 24 46 | 5° 8'00 | 14°18 | 21°58 | 9°45 | 7°19 | 0°21 | 13°15 | 20°46 | 21° 1 | 16°55 | 10°35 | 10°45 | 4° 1 | n.a. | S 15 |
| S 16 | 16 28 43 | 6° 5'18 | 26°27 | 23°54 | 10°57 | 7°16 | 0°16 | 13°13 | 20°49 | 21° 1 | 16°56 | 10°34 | 10°42 | 4° 8 | n.a. | S 16 |
| M17 | 16 32 39 | 7° 2'38 | 8♐27 | 25°52 | 12° 8 | 7°12 | 0°11 | 13°11 | 20°53 | 21° 1 | 16°58 | 10°D34 | 10°39 | 4°15 | n.a. | M17 |
| T 18 | 16 36 36 | 7°59'59 | 20°21 | 27°51 | 13°19 | 7° 7 | 0° 7 | 13°10 | 20°57 | 21° 1 | 17° 0 | 10°34 | 10°36 | 4°21 | n.a. | T 18 |
| W19 | 16 40 32 | 8°57'21 | 2♑11 | 29°53 | 14°30 | 7° 2 | 0° 2 | 13° 8 | 21° 0 | 21° 1 | 17° 1 | 10°35 | 10°33 | 4°28 | n.a. | W19 |
| T 20 | 16 44 29 | 9°54'44 | 13°59 | 1♊55 | 15°42 | 6°56 | 29♎58 | 13° 7 | 21° 4 | 21°D 1 | 17° 3 | 10°35 | 10°29 | 4°35 | n.a. | T 20 |
| F 21 | 16 48 25 | 10°52'09 | 25°49 | 3°59 | 16°53 | 6°49 | 29°54 | 13° 5 | 21° 8 | 21° 1 | 17° 5 | 10°R35 | 10°26 | 4°41 | n.a. | F 21 |
| S 22 | 16 52 22 | 11°49'35 | 7♒42 | 6° 3 | 18° 4 | 6°42 | 29°49 | 13° 4 | 21°11 | 21° 1 | 17° 7 | 10°35 | 10°23 | 4°48 | n.a. | S 22 |
| S 23 | 16 56 19 | 12°47'02 | 19°44 | 8° 7 | 19°15 | 6°33 | 29°46 | 13° 3 | 21°15 | 21° 1 | 17° 8 | 10°34 | 10°20 | 4°55 | n.a. | S 23 |
| M24 | 17 0 15 | 13°44'31 | 1♓58 | 10°11 | 20°26 | 6°24 | 29°42 | 13° 2 | 21°19 | 21° 1 | 17°10 | 10°34 | 10°17 | 5° 1 | n.a. | M24 |
| T 25 | 17 4 12 | 14°42'02 | 14°29 | 12°15 | 21°37 | 6°14 | 29°38 | 13° 1 | 21°23 | 21° 1 | 17°12 | 10°D34 | 10°14 | 5° 8 | n.a. | T 25 |
| W26 | 17 8 8 | 15°39'34 | 27°19 | 14°19 | 22°48 | 6° 4 | 29°35 | 13° 0 | 21°26 | 21° 2 | 17°14 | 10°34 | 10°10 | 5°15 | n.a. | W26 |
| T 27 | 17 12 5 | 16°37'08 | 10♈33 | 16°22 | 23°58 | 5°53 | 29°32 | 12°59 | 21°30 | 21° 2 | 17°16 | 10°35 | 10° 7 | 5°21 | n.a. | T 27 |
| F 28 | 17 16 1 | 17°34'44 | 24°13 | 18°24 | 25° 9 | 5°41 | 29°29 | 12°58 | 21°34 | 21° 2 | 17°18 | 10°35 | 10° 4 | 5°28 | n.a. | F 28 |
| S 29 | 17 19 58 | 18°32'21 | 8♉20 | 20°25 | 26°20 | 5°29 | 29°26 | 12°58 | 21°38 | 21° 2 | 17°20 | 10°36 | 10° 1 | 5°35 | n.a. | S 29 |
| S 30 | 17 23 54 | 19♊30'00 | 22♉51 | 22♊25 | 27♋30 | 5♑16 | 29♎23 | 12♎57 | 21♊41 | 21♍ 3 | 17♋21 | 10♐36 | 9♐58 | 5♑41 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n35 | 14n56 | 3n25 | 9n32 | 2s49 | 25n30 | 1n47 | 27s50 | 4s 5 | 11s35 | 0n47 | 3s16 | 2n29 | 23n53 | 0n21 | 5n34 | 2n 9 | 36n 8 | 13n22 | 22s30 | 22s37 | 22s 3 | | n.a. |
| S 2 | 18 50 | 18 45 | 2 19 | 10 3 | 2 38 | 25 35 | 1 47 | 27 54 | 4 10 | 11 33 | 0 47 | 3 15 | 2 29 | 23 53 | 0 21 | 5 34 | 2 9 | 36 7 | 13 22 | 22 29 | 22 36 | 22 2 | | n.a. |
| M 3 | 19 4 | 21 25 | 1 2 | 10 37 | 2 26 | 25 38 | 1 48 | 27 58 | 4 14 | 11 31 | 0 47 | 3 14 | 2 29 | 23 54 | 0 21 | 5 34 | 2 9 | 36 7 | 13 22 | 22 29 | 22 36 | 22 1 | | n.a. |
| T 4 | 19 19 | 22 38 | 0s20 | 11 12 | 2 14 | 25 41 | 1 48 | 28 3 | 4 19 | 11 28 | 0 47 | 3 13 | 2 29 | 23 54 | 0 21 | 5 34 | 2 9 | 36 6 | 13 22 | 22 29 | 22 36 | 22 0 | | n.a. |
| W 5 | 19 33 | 22 14 | 1 41 | 11 48 | 2 2 | 25 42 | 1 48 | 28 7 | 4 24 | 11 26 | 0 46 | 3 12 | 2 29 | 23 54 | 0 21 | 5 35 | 2 9 | 36 6 | 13 21 | 22 29 | 22 35 | 21 59 | | n.a. |
| T 6 | 19 46 | 20 17 | 2 54 | 12 26 | 1 49 | 25 43 | 1 48 | 28 12 | 4 28 | 11 24 | 0 46 | 3 11 | 2 28 | 23 54 | 0 21 | 5 35 | 2 9 | 36 5 | 13 21 | 22 29 | 22 35 | 21 58 | | n.a. |
| F 7 | 20 0 | 17 2 | 3 55 | 13 6 | 1 37 | 25 44 | 1 48 | 28 16 | 4 33 | 11 22 | 0 46 | 3 11 | 2 28 | 23 55 | 0 21 | 5 35 | 2 9 | 36 5 | 13 21 | 22 29 | 22 34 | 21 57 | | n.a. |
| S 8 | 20 13 | 12 50 | 4 40 | 13 46 | 1 24 | 25 43 | 1 49 | 28 21 | 4 38 | 11 20 | 0 46 | 3 10 | 2 28 | 23 55 | 0 21 | 5 35 | 2 9 | 36 4 | 13 21 | 22 30 | 22 34 | 21 56 | | n.a. |
| S 9 | 20 26 | 8 2 | 5 8 | 14 28 | 1 11 | 25 42 | 1 48 | 28 25 | 4 43 | 11 19 | 0 45 | 3 9 | 2 28 | 23 55 | 0 21 | 5 35 | 2 9 | 36 4 | 13 20 | 22 30 | 22 33 | 21 55 | | n.a. |
| M10 | 20 38 | 2 57 | 5 17 | 15 10 | 0 58 | 25 40 | 1 48 | 28 30 | 4 47 | 11 17 | 0 45 | 3 8 | 2 28 | 23 55 | 0 21 | 5 35 | 2 9 | 36 4 | 13 20 | 22 30 | 22 33 | 21 54 | | n.a. |
| T 11 | 20 50 | 2s 9 | 5 9 | 15 52 | 0 45 | 25 38 | 1 48 | 28 34 | 4 52 | 11 15 | 0 45 | 3 8 | 2 27 | 23 56 | 0 21 | 5 35 | 2 9 | 36 3 | 13 20 | 22 30 | 22 32 | 21 53 | | n.a. |
| W12 | 21 2 | 7 4 | 4 45 | 16 35 | 0 32 | 25 34 | 1 48 | 28 39 | 4 57 | 11 13 | 0 45 | 3 7 | 2 27 | 23 56 | 0 21 | 5 35 | 2 9 | 36 3 | 13 20 | 22 29 | 22 32 | 21 52 | | n.a. |
| T 13 | 21 13 | 11 34 | 4 7 | 17 18 | 0 20 | 25 30 | 1 47 | 28 44 | 5 1 | 11 11 | 0 45 | 3 7 | 2 27 | 23 56 | 0 21 | 5 35 | 2 9 | 36 2 | 13 20 | 22 29 | 22 31 | 21 51 | | n.a. |
| F 14 | 21 24 | 15 30 | 3 18 | 18 0 | 0 8 | 25 25 | 1 47 | 28 48 | 5 6 | 11 10 | 0 44 | 3 6 | 2 27 | 23 56 | 0 21 | 5 35 | 2 8 | 36 2 | 13 19 | 22 29 | 22 31 | 21 50 | | n.a. |
| S 15 | 21 35 | 18 41 | 2 21 | 18 42 | 0n 4 | 25 19 | 1 46 | 28 53 | 5 11 | 11 8 | 0 44 | 3 5 | 2 26 | 23 57 | 0 21 | 5 35 | 2 8 | 36 1 | 13 19 | 22 29 | 22 31 | 21 49 | | n.a. |
| S 16 | 21 45 | 21 0 | 1 18 | 19 23 | 0 16 | 25 13 | 1 46 | 28 58 | 5 15 | 11 7 | 0 44 | 3 5 | 2 26 | 23 57 | 0 21 | 5 35 | 2 8 | 36 1 | 13 19 | 22 29 | 22 30 | 21 48 | | n.a. |
| M17 | 21 55 | 22 21 | 0 12 | 20 2 | 0 27 | 25 6 | 1 45 | 29 3 | 5 20 | 11 5 | 0 44 | 3 5 | 2 26 | 23 57 | 0 21 | 5 35 | 2 8 | 36 1 | 13 19 | 22 29 | 22 30 | 21 47 | | n.a. |
| T 18 | 22 5 | 22 40 | 0n54 | 20 41 | 0 37 | 24 58 | 1 44 | 29 7 | 5 24 | 11 4 | 0 43 | 3 4 | 2 26 | 23 58 | 0 21 | 5 35 | 2 8 | 36 0 | 13 19 | 22 29 | 22 29 | 21 46 | | n.a. |
| W19 | 22 14 | 21 57 | 1 57 | 21 17 | 0 47 | 24 50 | 1 43 | 29 12 | 5 29 | 11 2 | 0 43 | 3 4 | 2 25 | 23 58 | 0 21 | 5 35 | 2 8 | 36 0 | 13 18 | 22 29 | 22 29 | 21 45 | | n.a. |
| T 20 | 22 23 | 20 16 | 2 55 | 21 52 | 0 56 | 24 40 | 1 42 | 29 17 | 5 33 | 11 1 | 0 43 | 3 3 | 2 25 | 23 58 | 0 21 | 5 35 | 2 8 | 35 59 | 13 18 | 22 29 | 22 28 | 21 44 | | n.a. |
| F 21 | 22 32 | 17 43 | 3 46 | 22 25 | 1 4 | 24 30 | 1 41 | 29 21 | 5 37 | 11 0 | 0 43 | 3 3 | 2 25 | 23 58 | 0 21 | 5 35 | 2 8 | 35 59 | 13 18 | 22 29 | 22 28 | 21 43 | | n.a. |
| S 22 | 22 40 | 14 25 | 4 27 | 22 56 | 1 12 | 24 20 | 1 40 | 29 26 | 5 41 | 10 59 | 0 42 | 3 3 | 2 25 | 23 59 | 0 21 | 5 35 | 2 8 | 35 58 | 13 18 | 22 29 | 22 27 | 21 42 | | n.a. |
| S 23 | 22 47 | 10 30 | 4 57 | 23 24 | 1 19 | 24 8 | 1 39 | 29 30 | 5 45 | 10 57 | 0 42 | 3 3 | 2 24 | 23 59 | 0 21 | 5 35 | 2 8 | 35 58 | 13 18 | 22 29 | 22 27 | 21 41 | | n.a. |
| M24 | 22 55 | 6 6 | 5 14 | 23 50 | 1 25 | 23 56 | 1 37 | 29 35 | 5 49 | 10 56 | 0 42 | 3 2 | 2 24 | 23 59 | 0 21 | 5 35 | 2 8 | 35 58 | 13 18 | 22 29 | 22 26 | 21 40 | | n.a. |
| T 25 | 23 1 | 1 22 | 5 17 | 24 13 | 1 30 | 23 44 | 1 36 | 29 39 | 5 53 | 10 55 | 0 42 | 3 2 | 2 24 | 23 59 | 0 21 | 5 35 | 2 8 | 35 57 | 13 17 | 22 29 | 22 26 | 21 39 | | n.a. |
| W26 | 23 8 | 3n33 | 5 4 | 24 33 | 1 35 | 23 30 | 1 35 | 29 43 | 5 57 | 10 54 | 0 41 | 3 2 | 2 24 | 24 0 | 0 21 | 5 34 | 2 8 | 35 57 | 13 17 | 22 29 | 22 25 | 21 38 | | n.a. |
| T 27 | 23 14 | 8 28 | 4 35 | 24 51 | 1 39 | 23 16 | 1 33 | 29 48 | 6 1 | 10 53 | 0 41 | 3 2 | 2 23 | 24 0 | 0 21 | 5 34 | 2 8 | 35 56 | 13 17 | 22 29 | 22 25 | 21 37 | | n.a. |
| F 28 | 23 20 | 13 8 | 3 50 | 25 6 | 1 43 | 23 2 | 1 31 | 29 52 | 6 4 | 10 53 | 0 41 | 3 2 | 2 23 | 24 0 | 0 21 | 5 34 | 2 7 | 35 56 | 13 17 | 22 29 | 22 24 | 21 36 | | n.a. |
| S 29 | 23 25 | 17 14 | 2 50 | 25 19 | 1 45 | 22 46 | 1 29 | 29 56 | 6 8 | 10 52 | 0 41 | 3 2 | 2 23 | 24 0 | 0 21 | 5 34 | 2 7 | 35 55 | 13 17 | 22 29 | 22 24 | 21 35 | | n.a. |
| S 30 | 23n30 | 20n25 | 1n37 | 25n29 | 1n47 | 22n30 | 1n27 | 29s59 | 6s11 | 10s51 | 0n40 | 3s 2 | 2n23 | 24n 1 | 0n21 | 5n34 | 2n 7 | 35n55 | 13n17 | 22s29 | 22s24 | 21s34 | | n.a. |

Julian Day Number = 994361.5, Delta T = 12h58m41s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°31'02, Lahiri = -31°24'02 Julian Calendar 1 June 1991 BCE == Greg. Calendar 15 May 1991 BCE


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## JULY 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 27 51 | 20♊27'41 | 7♊43 | 24♊24 | 28♋41 | 5°R 3 | 29°R21 | 12°R57 | 21♊45 | 21♍ 3 | 17♋23 | 10°R37 | 9♐54 | 5♑48 | n.a. | M 1 |
| T 2 | 17 31 48 | 21°25'23 | 22°48 | 26°22 | 29°51 | 4♑49 | 29♎19 | 12♎56 | 21°49 | 21° 3 | 17°25 | 10♐37 | 9°51 | 5°55 | n.a. | T 2 |
| W 3 | 17 35 44 | 22°23'07 | 7♋58 | 28°19 | 1♌ 2 | 4°34 | 29°17 | 12°56 | 21°52 | 21° 4 | 17°27 | 10°36 | 9°48 | 6° 1 | n.a. | W 3 |
| T 4 | 17 39 41 | 23°20'53 | 23° 4 | 0♋14 | 2°12 | 4°20 | 29°15 | 12°56 | 21°56 | 21° 4 | 17°29 | 10°35 | 9°45 | 6° 8 | n.a. | T 4 |
| F 5 | 17 43 37 | 24°18'40 | 7♌56 | 2° 8 | 3°23 | 4° 4 | 29°13 | 12°D56 | 22° 0 | 21° 5 | 17°31 | 10°33 | 9°42 | 6°15 | n.a. | F 5 |
| S 6 | 17 47 34 | 25°16'28 | 22°28 | 4° 0 | 4°33 | 3°49 | 29°12 | 12°56 | 22° 4 | 21° 5 | 17°33 | 10°31 | 9°39 | 6°21 | n.a. | S 6 |
| S 7 | 17 51 30 | 26°14'17 | 6♍36 | 5°51 | 5°43 | 3°33 | 29°10 | 12°56 | 22° 7 | 21° 6 | 17°35 | 10°30 | 9°35 | 6°28 | n.a. | S 7 |
| M 8 | 17 55 27 | 27°12'08 | 20°18 | 7°41 | 6°53 | 3°17 | 29° 9 | 12°56 | 22°11 | 21° 6 | 17°37 | 10°29 | 9°32 | 6°35 | n.a. | M 8 |
| T 9 | 17 59 24 | 28°10'00 | 3♎35 | 9°29 | 8° 3 | 3° 1 | 29° 8 | 12°57 | 22°15 | 21° 7 | 17°39 | 10°D29 | 9°29 | 6°41 | n.a. | T 9 |
| W10 | 18 3 20 | 29° 7'54 | 16°29 | 11°16 | 9°13 | 2°45 | 29° 7 | 12°57 | 22°19 | 21° 7 | 17°41 | 10°30 | 9°26 | 6°48 | n.a. | W10 |
| T 11 | 18 7 17 | 0♋ 5'49 | 29° 3 | 13° 2 | 10°23 | 2°29 | 29° 7 | 12°57 | 22°22 | 21° 8 | 17°43 | 10°31 | 9°23 | 6°55 | n.a. | T 11 |
| F 12 | 18 11 13 | 1° 3'46 | 11♏22 | 14°46 | 11°33 | 2°12 | 29° 6 | 12°58 | 22°26 | 21° 9 | 17°45 | 10°33 | 9°20 | 7° 1 | n.a. | F 12 |
| S 13 | 18 15 10 | 2° 1'44 | 23°29 | 16°29 | 12°43 | 1°56 | 29° 6 | 12°59 | 22°30 | 21°10 | 17°47 | 10°34 | 9°16 | 7° 8 | n.a. | S 13 |
| S 14 | 18 19 6 | 2°59'44 | 5♐27 | 18°11 | 13°52 | 1°40 | 29°D 6 | 13° 0 | 22°34 | 21°10 | 17°49 | 10°R35 | 9°13 | 7°15 | n.a. | S 14 |
| M15 | 18 23 3 | 3°57'46 | 17°19 | 19°51 | 15° 2 | 1°23 | 29° 6 | 13° 1 | 22°37 | 21°11 | 17°51 | 10°35 | 9°10 | 7°21 | n.a. | M15 |
| T 16 | 18 26 59 | 4°55'49 | 29° 9 | 21°30 | 16°11 | 1° 7 | 29° 7 | 13° 2 | 22°41 | 21°12 | 17°53 | 10°34 | 9° 7 | 7°28 | n.a. | T 16 |
| W17 | 18 30 56 | 5°53'55 | 10♑58 | 23° 8 | 17°21 | 0°51 | 29° 7 | 13° 3 | 22°45 | 21°13 | 17°56 | 10°31 | 9° 4 | 7°35 | n.a. | W17 |
| T 18 | 18 34 53 | 6°52'02 | 22°48 | 24°45 | 18°30 | 0°36 | 29° 8 | 13° 4 | 22°48 | 21°14 | 17°58 | 10°28 | 9° 0 | 7°41 | n.a. | T 18 |
| F 19 | 18 38 49 | 7°50'11 | 4♒41 | 26°20 | 19°39 | 0°20 | 29° 9 | 13° 5 | 22°52 | 21°15 | 18° 0 | 10°23 | 8°57 | 7°48 | n.a. | F 19 |
| S 20 | 18 42 46 | 8°48'22 | 16°40 | 27°54 | 20°48 | 0° 5 | 29°10 | 13° 6 | 22°56 | 21°16 | 18° 2 | 10°18 | 8°54 | 7°55 | n.a. | S 20 |
| S 21 | 18 46 42 | 9°46'36 | 28°46 | 29°27 | 21°58 | 29♐50 | 29°11 | 13° 8 | 22°59 | 21°16 | 18° 4 | 10°13 | 8°51 | 8° 1 | n.a. | S 21 |
| M22 | 18 50 39 | 10°44'51 | 11♓ 4 | 0♌58 | 23° 6 | 29°36 | 29°13 | 13°10 | 23° 3 | 21°17 | 18° 6 | 10° 9 | 8°48 | 8° 8 | n.a. | M22 |
| T 23 | 18 54 35 | 11°43'09 | 23°35 | 2°29 | 24°15 | 29°22 | 29°15 | 13°11 | 23° 6 | 21°19 | 18° 8 | 10° 7 | 8°45 | 8°15 | n.a. | T 23 |
| W24 | 18 58 32 | 12°41'28 | 6♈22 | 3°58 | 25°24 | 29° 9 | 29°16 | 13°13 | 23°10 | 21°20 | 18°10 | 10° 5 | 8°41 | 8°21 | n.a. | W24 |
| T 25 | 19 2 28 | 13°39'51 | 19°30 | 5°25 | 26°33 | 28°56 | 29°18 | 13°15 | 23°14 | 21°21 | 18°12 | 10°D 5 | 8°38 | 8°28 | n.a. | T 25 |
| F 26 | 19 6 25 | 14°38'15 | 3♉ 1 | 6°52 | 27°41 | 28°43 | 29°21 | 13°17 | 23°17 | 21°22 | 18°14 | 10° 6 | 8°35 | 8°35 | n.a. | F 26 |
| S 27 | 19 10 21 | 15°36'42 | 16°56 | 8°17 | 28°50 | 28°31 | 29°23 | 13°19 | 23°21 | 21°23 | 18°17 | 10° 8 | 8°32 | 8°41 | n.a. | S 27 |
| S 28 | 19 14 18 | 16°35'11 | 1♊17 | 9°41 | 29°58 | 28°20 | 29°26 | 13°21 | 23°24 | 21°24 | 18°19 | 10° 9 | 8°29 | 8°48 | n.a. | S 28 |
| M29 | 19 18 15 | 17°33'43 | 16° 1 | 11° 4 | 1♍ 6 | 28°10 | 29°28 | 13°23 | 23°28 | 21°25 | 18°21 | 10°R 9 | 8°26 | 8°55 | n.a. | M29 |
| T 30 | 19 22 11 | 18°32'17 | 1♋ 3 | 12°25 | 2°14 | 28° 0 | 29°31 | 13°25 | 23°31 | 21°27 | 18°23 | 10° 7 | 8°22 | 9° 1 | n.a. | T 30 |
| W31 | 19 26 8 | 19♋30'53 | 16♋15 | 13♌45 | 3♍22 | 27♐50 | 29♎35 | 13♎28 | 23♊35 | 21♍28 | 18♋25 | 10♐ 4 | 8♐19 | 9♑ 8 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| M 1 | 23n34 | 22n18 | 0n16 | 25n36 | 1n48 | 22n14 | 1n25 | 30s 3 | 6s14 | 10s50 | 0n40 | 3s 2 | 2n22 | 24n 1 | 0n21 | 5n34 | 2n 7 | 35n55 | 13n17 | 22s29 | 22s23 | 21s33 | | | n.a. |
| T 2 | 23 38 | 22 36 | 1s 7 | 25 41 | 1 49 | 21 57 | 1 23 | 30 7 | 6 17 | 10 50 | 0 40 | 3 2 | 2 22 | 24 1 | 0 21 | 5 33 | 2 7 | 35 54 | 13 16 | 22 29 | 22 23 | 21 31 | | | n.a. |
| W 3 | 23 42 | 21 15 | 2 26 | 25 44 | 1 49 | 21 39 | 1 21 | 30 10 | 6 20 | 10 49 | 0 40 | 3 2 | 2 22 | 24 1 | 0 21 | 5 33 | 2 7 | 35 54 | 13 16 | 22 29 | 22 22 | 21 30 | | | n.a. |
| T 4 | 23 45 | 18 23 | 3 34 | 25 44 | 1 49 | 21 21 | 1 19 | 30 13 | 6 22 | 10 49 | 0 39 | 3 2 | 2 21 | 24 2 | 0 21 | 5 33 | 2 7 | 35 54 | 13 16 | 22 29 | 22 22 | 21 29 | | | n.a. |
| F 5 | 23 48 | 14 21 | 4 27 | 25 42 | 1 48 | 21 2 | 1 17 | 30 16 | 6 25 | 10 48 | 0 39 | 3 3 | 2 21 | 24 2 | 0 21 | 5 33 | 2 7 | 35 53 | 13 16 | 22 29 | 22 21 | 21 28 | | | n.a. |
| S 6 | 23 50 | 9 34 | 5 1 | 25 38 | 1 46 | 20 43 | 1 14 | 30 19 | 6 27 | 10 48 | 0 39 | 3 3 | 2 21 | 24 2 | 0 21 | 5 32 | 2 7 | 35 53 | 13 16 | 22 29 | 22 21 | 21 27 | | | n.a. |
| S 7 | 23 52 | 4 23 | 5 16 | 25 31 | 1 44 | 20 23 | 1 12 | 30 21 | 6 29 | 10 48 | 0 39 | 3 3 | 2 21 | 24 2 | 0 21 | 5 32 | 2 7 | 35 52 | 13 16 | 22 28 | 22 20 | 21 26 | | | n.a. |
| M 8 | 23 53 | 0s51 | 5 12 | 25 23 | 1 41 | 20 2 | 1 9 | 30 24 | 6 31 | 10 48 | 0 38 | 3 4 | 2 20 | 24 3 | 0 21 | 5 32 | 2 7 | 35 52 | 13 16 | 22 28 | 22 20 | 21 25 | | | n.a. |
| T 9 | 23 54 | 5 53 | 4 51 | 25 13 | 1 38 | 19 41 | 1 6 | 30 26 | 6 33 | 10 48 | 0 38 | 3 4 | 2 20 | 24 3 | 0 21 | 5 32 | 2 7 | 35 52 | 13 16 | 22 28 | 22 19 | 21 24 | | | n.a. |
| W10 | 23 55 | 10 32 | 4 16 | 25 1 | 1 35 | 19 20 | 1 4 | 30 28 | 6 34 | 10 48 | 0 38 | 3 4 | 2 20 | 24 3 | 0 21 | 5 31 | 2 7 | 35 51 | 13 16 | 22 28 | 22 19 | 21 23 | | | n.a. |
| T 11 | 23 55 | 14 37 | 3 30 | 24 47 | 1 31 | 18 58 | 1 1 | 30 29 | 6 36 | 10 48 | 0 38 | 3 5 | 2 20 | 24 3 | 0 21 | 5 31 | 2 7 | 35 51 | 13 16 | 22 29 | 22 18 | 21 21 | | | n.a. |
| F 12 | 23 55 | 17 59 | 2 34 | 24 31 | 1 27 | 18 35 | 0 58 | 30 31 | 6 37 | 10 48 | 0 37 | 3 5 | 2 19 | 24 3 | 0 21 | 5 31 | 2 7 | 35 51 | 13 16 | 22 29 | 22 18 | 21 20 | | | n.a. |
| S 13 | 23 54 | 20 31 | 1 33 | 24 15 | 1 22 | 18 13 | 0 55 | 30 32 | 6 38 | 10 48 | 0 37 | 3 6 | 2 19 | 24 4 | 0 21 | 5 30 | 2 6 | 35 50 | 13 16 | 22 29 | 22 17 | 21 19 | | | n.a. |
| S 14 | 23 53 | 22 6 | 0 28 | 23 56 | 1 17 | 17 49 | 0 52 | 30 33 | 6 38 | 10 48 | 0 37 | 3 6 | 2 19 | 24 4 | 0 21 | 5 30 | 2 6 | 35 50 | 13 16 | 22 29 | 22 17 | 21 18 | | | n.a. |
| M15 | 23 52 | 22 41 | 0n37 | 23 36 | 1 12 | 17 25 | 0 49 | 30 34 | 6 39 | 10 48 | 0 37 | 3 7 | 2 19 | 24 4 | 0 21 | 5 29 | 2 6 | 35 50 | 13 16 | 22 29 | 22 16 | 21 17 | | | n.a. |
| T 16 | 23 50 | 22 15 | 1 40 | 23 16 | 1 7 | 17 1 | 0 45 | 30 34 | 6 39 | 10 49 | 0 36 | 3 8 | 2 18 | 24 4 | 0 21 | 5 29 | 2 6 | 35 49 | 13 16 | 22 29 | 22 16 | 21 16 | | | n.a. |
| W17 | 23 47 | 20 49 | 2 39 | 22 53 | 1 1 | 16 37 | 0 42 | 30 35 | 6 40 | 10 49 | 0 36 | 3 8 | 2 18 | 24 5 | 0 21 | 5 29 | 2 6 | 35 49 | 13 15 | 22 29 | 22 15 | 21 15 | | | n.a. |
| T 18 | 23 44 | 18 29 | 3 31 | 22 30 | 0 55 | 16 12 | 0 38 | 30 35 | 6 40 | 10 50 | 0 36 | 3 9 | 2 18 | 24 5 | 0 21 | 5 28 | 2 6 | 35 49 | 13 15 | 22 28 | 22 15 | 21 13 | | | n.a. |
| F 19 | 23 41 | 15 22 | 4 15 | 22 6 | 0 48 | 15 46 | 0 35 | 30 35 | 6 39 | 10 50 | 0 36 | 3 10 | 2 17 | 24 5 | 0 21 | 5 28 | 2 6 | 35 48 | 13 15 | 22 27 | 22 14 | 21 12 | | | n.a. |
| S 20 | 23 37 | 11 36 | 4 47 | 21 41 | 0 42 | 15 20 | 0 31 | 30 34 | 6 39 | 10 51 | 0 35 | 3 11 | 2 17 | 24 5 | 0 22 | 5 27 | 2 6 | 35 48 | 13 15 | 22 27 | 22 14 | 21 11 | | | n.a. |
| S 21 | 23 33 | 7 21 | 5 7 | 21 15 | 0 35 | 14 54 | 0 28 | 30 34 | 6 38 | 10 52 | 0 35 | 3 11 | 2 17 | 24 5 | 0 22 | 5 27 | 2 6 | 35 48 | 13 15 | 22 26 | 22 13 | 21 10 | | | n.a. |
| M22 | 23 29 | 2 45 | 5 13 | 20 48 | 0 28 | 14 28 | 0 24 | 30 33 | 6 38 | 10 52 | 0 35 | 3 12 | 2 17 | 24 6 | 0 22 | 5 26 | 2 6 | 35 47 | 13 15 | 22 25 | 22 13 | 21 9 | | | n.a. |
| T 23 | 23 24 | 2n 2 | 5 4 | 20 20 | 0 20 | 14 1 | 0 20 | 30 32 | 6 37 | 10 53 | 0 35 | 3 13 | 2 16 | 24 6 | 0 22 | 5 26 | 2 6 | 35 47 | 13 16 | 22 25 | 22 12 | 21 8 | | | n.a. |
| W24 | 23 18 | 6 51 | 4 41 | 19 52 | 0 13 | 13 34 | 0 16 | 30 31 | 6 35 | 10 54 | 0 34 | 3 14 | 2 16 | 24 6 | 0 22 | 5 25 | 2 6 | 35 47 | 13 16 | 22 25 | 22 12 | 21 6 | | | n.a. |
| T 25 | 23 12 | 11 30 | 4 2 | 19 23 | 0 5 | 13 7 | 0 12 | 30 29 | 6 34 | 10 55 | 0 34 | 3 15 | 2 16 | 24 6 | 0 22 | 5 25 | 2 6 | 35 46 | 13 16 | 22 25 | 22 11 | 21 5 | | | n.a. |
| F 26 | 23 6 | 15 43 | 3 9 | 18 53 | 0s 3 | 12 39 | 0 8 | 30 28 | 6 33 | 10 56 | 0 34 | 3 16 | 2 16 | 24 6 | 0 22 | 5 24 | 2 6 | 35 46 | 13 16 | 22 25 | 22 11 | 21 4 | | | n.a. |
| S 27 | 22 59 | 19 12 | 2 3 | 18 24 | 0 10 | 12 11 | 0 4 | 30 26 | 6 31 | 10 57 | 0 34 | 3 17 | 2 15 | 24 7 | 0 22 | 5 24 | 2 6 | 35 46 | 13 16 | 22 25 | 22 10 | 21 3 | | | n.a. |
| S 28 | 22 52 | 21 37 | 0 48 | 17 53 | 0 18 | 11 43 | 0 0 | 30 24 | 6 29 | 10 58 | 0 34 | 3 18 | 2 15 | 24 7 | 0 22 | 5 23 | 2 5 | 35 46 | 13 16 | 22 25 | 22 10 | 21 2 | | | n.a. |
| M29 | 22 45 | 22 39 | 0s32 | 17 23 | 0 27 | 11 14 | 0s 4 | 30 22 | 6 27 | 10 59 | 0 33 | 3 19 | 2 15 | 24 7 | 0 22 | 5 23 | 2 5 | 35 45 | 13 16 | 22 25 | 22 9 | 21 0 | | | n.a. |
| T 30 | 22 37 | 22 4 | 1 51 | 16 52 | 0 35 | 10 45 | 0 8 | 30 20 | 6 25 | 11 1 | 0 33 | 3 20 | 2 15 | 24 7 | 0 22 | 5 22 | 2 5 | 35 45 | 13 16 | 22 25 | 22 9 | 20 59 | | | n.a. |
| W31 | 22n28 | 19n52 | 3s 4 | 16n21 | 0s43 | 10n16 | 0s13 | 30s17 | 6s23 | 11s 2 | 0n33 | 3s22 | 2n14 | 24n 7 | 0n22 | 5n22 | 2n 5 | 35n45 | 13n16 | 22s25 | 22s 8 | 20s58 | | | n.a. |

Julian Day Number = 994391.5, Delta T = 12h58m39s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'58, Lahiri = -31°23'58 Julian Calendar 1 July 1991 BCE == Greg. Calendar 14 June 1991 BCE

The year -1990 astronomical counting style corresponds to year 1991 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## AUGUST 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 30 4 | 20♋29'31 | 1♌28 | 15♌ 3 | 4♍30 | 27°R42 | 29♎38 | 13♎30 | 23♊38 | 21♍29 | 18♋27 | 9°R59 | 8♐16 | 9♑15 | n.a. | T 1 |
| F 2 | 19 34 1 | 21°28'11 | 16°31 | 16°20 | 5°38 | 27♐34 | 29°41 | 13°33 | 23°42 | 21°30 | 18°29 | 9♐53 | 8°13 | 9°21 | n.a. | F 2 |
| S 3 | 19 37 57 | 22°26'53 | 1♍15 | 17°35 | 6°45 | 27°27 | 29°45 | 13°36 | 23°45 | 21°32 | 18°31 | 9°47 | 8°10 | 9°28 | n.a. | S 3 |
| S 4 | 19 41 54 | 23°25'37 | 15°34 | 18°48 | 7°53 | 27°20 | 29°49 | 13°38 | 23°48 | 21°33 | 18°34 | 9°41 | 8° 6 | 9°35 | n.a. | S 4 |
| M 5 | 19 45 50 | 24°24'23 | 29°24 | 20° 0 | 9° 0 | 27°15 | 29°53 | 13°41 | 23°52 | 21°35 | 18°36 | 9°36 | 8° 3 | 9°41 | n.a. | M 5 |
| T 6 | 19 49 47 | 25°23'11 | 12♎45 | 21°10 | 10° 7 | 27°10 | 29°57 | 13°44 | 23°55 | 21°36 | 18°38 | 9°34 | 8° 0 | 9°48 | n.a. | T 6 |
| W 7 | 19 53 43 | 26°22'01 | 25°40 | 22°18 | 11°14 | 27° 6 | 0♏ 2 | 13°47 | 23°58 | 21°37 | 18°40 | 9°D33 | 7°57 | 9°55 | n.a. | W 7 |
| T 8 | 19 57 40 | 27°20'52 | 8♏12 | 23°24 | 12°21 | 27° 2 | 0° 6 | 13°50 | 24° 2 | 21°39 | 18°42 | 9°33 | 7°54 | 10° 1 | n.a. | T 8 |
| F 9 | 20 1 37 | 28°19'46 | 20°26 | 24°28 | 13°28 | 27° 0 | 0°11 | 13°53 | 24° 5 | 21°40 | 18°44 | 9°35 | 7°51 | 10° 8 | n.a. | F 9 |
| S 10 | 20 5 33 | 29°18'42 | 2♐27 | 25°29 | 14°35 | 26°58 | 0°16 | 13°57 | 24° 8 | 21°42 | 18°46 | 9°36 | 7°47 | 10°15 | n.a. | S 10 |
| S 11 | 20 9 30 | 0♌17'39 | 14°19 | 26°28 | 15°41 | 26°58 | 0°21 | 14° 0 | 24°11 | 21°43 | 18°48 | 9°R36 | 7°44 | 10°21 | n.a. | S 11 |
| M12 | 20 13 26 | 1°16'39 | 26° 8 | 27°24 | 16°47 | 26°D57 | 0°26 | 14° 3 | 24°15 | 21°45 | 18°50 | 9°34 | 7°41 | 10°28 | n.a. | M12 |
| T 13 | 20 17 23 | 2°15'40 | 7♑56 | 28°18 | 17°53 | 26°58 | 0°32 | 14° 7 | 24°18 | 21°47 | 18°52 | 9°30 | 7°38 | 10°35 | n.a. | T 13 |
| W14 | 20 21 19 | 3°14'44 | 19°46 | 29° 8 | 18°59 | 27° 0 | 0°37 | 14°11 | 24°21 | 21°48 | 18°54 | 9°24 | 7°35 | 10°41 | n.a. | W14 |
| T 15 | 20 25 16 | 4°13'50 | 1♒41 | 29°54 | 20° 5 | 27° 2 | 0°43 | 14°14 | 24°24 | 21°50 | 18°57 | 9°16 | 7°32 | 10°48 | n.a. | T 15 |
| F 16 | 20 29 12 | 5°12'58 | 13°42 | 0♍37 | 21°10 | 27° 5 | 0°49 | 14°18 | 24°27 | 21°52 | 18°59 | 9° 5 | 7°28 | 10°55 | n.a. | F 16 |
| S 17 | 20 33 9 | 6°12'08 | 25°51 | 1°16 | 22°16 | 27° 9 | 0°55 | 14°22 | 24°30 | 21°53 | 19° 1 | 8°55 | 7°25 | 11° 1 | n.a. | S 17 |
| S 18 | 20 37 5 | 7°11'21 | 8♓ 9 | 1°50 | 23°21 | 27°14 | 1° 1 | 14°26 | 24°33 | 21°55 | 19° 3 | 8°44 | 7°22 | 11° 8 | n.a. | S 18 |
| M19 | 20 41 2 | 8°10'36 | 20°36 | 2°20 | 24°26 | 27°19 | 1° 7 | 14°30 | 24°36 | 21°57 | 19° 5 | 8°34 | 7°19 | 11°15 | n.a. | M19 |
| T 20 | 20 44 59 | 9° 9'53 | 3♈15 | 2°44 | 25°30 | 27°25 | 1°14 | 14°34 | 24°39 | 21°58 | 19° 7 | 8°27 | 7°16 | 11°21 | n.a. | T 20 |
| W21 | 20 48 55 | 10° 9'12 | 16° 7 | 3° 3 | 26°35 | 27°32 | 1°21 | 14°38 | 24°42 | 22° 0 | 19° 9 | 8°21 | 7°12 | 11°28 | n.a. | W21 |
| T 22 | 20 52 52 | 11° 8'35 | 29°14 | 3°15 | 27°39 | 27°40 | 1°27 | 14°42 | 24°45 | 22° 2 | 19°11 | 8°19 | 7° 9 | 11°35 | n.a. | T 22 |
| F 23 | 20 56 48 | 12° 8'00 | 12♉39 | 3°R22 | 28°43 | 27°48 | 1°34 | 14°46 | 24°48 | 22° 4 | 19°13 | 8°D18 | 7° 6 | 11°41 | n.a. | F 23 |
| S 24 | 21 0 45 | 13° 7'27 | 26°24 | 3°21 | 29°47 | 27°57 | 1°42 | 14°51 | 24°50 | 22° 6 | 19°15 | 8°19 | 7° 3 | 11°48 | n.a. | S 24 |
| S 25 | 21 4 41 | 14° 6'57 | 10♊29 | 3°12 | 0♎50 | 28° 7 | 1°49 | 14°55 | 24°53 | 22° 8 | 19°17 | 8°R19 | 7° 0 | 11°55 | n.a. | S 25 |
| M26 | 21 8 38 | 15° 6'29 | 24°56 | 2°56 | 1°54 | 28°17 | 1°56 | 15° 0 | 24°56 | 22° 9 | 19°19 | 8°18 | 6°57 | 12° 1 | n.a. | M26 |
| T 27 | 21 12 34 | 16° 6'04 | 9♋41 | 2°32 | 2°57 | 28°28 | 2° 4 | 15° 4 | 24°59 | 22°11 | 19°21 | 8°15 | 6°53 | 12° 8 | n.a. | T 27 |
| W28 | 21 16 31 | 17° 5'42 | 24°39 | 1°59 | 3°59 | 28°40 | 2°11 | 15° 9 | 25° 1 | 22°13 | 19°23 | 8° 8 | 6°50 | 12°15 | n.a. | W28 |
| T 29 | 21 20 28 | 18° 5'21 | 9♌42 | 1°19 | 5° 2 | 28°52 | 2°19 | 15°14 | 25° 4 | 22°15 | 19°24 | 8° 0 | 6°47 | 12°21 | n.a. | T 29 |
| F 30 | 21 24 24 | 19° 5'03 | 24°41 | 0°30 | 6° 4 | 29° 6 | 2°27 | 15°19 | 25° 6 | 22°17 | 19°26 | 7°49 | 6°44 | 12°28 | n.a. | F 30 |
| S 31 | 21 28 21 | 20♌ 4'47 | 9♍25 | 29♌34 | 7♎ 6 | 29♐19 | 2♏35 | 15♎23 | 25♊ 9 | 22♍19 | 19♋28 | 7♐38 | 6♐41 | 12♑35 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n19 | 16n17 | 4s 3 | 15n49 | 0s52 | 9n47 | 0s17 | 30s15 | 6s21 | 11s 4 | 0n33 | 3s23 | 2n14 | 24n 8 | 0n22 | 5n21 | 2n 5 | 35n45 | 13n16 | 22s24 | 22s 8 | 20s57 | | n.a. | T 1 |
| F 2 | 22 10 | 11 41 | 4 44 | 15 18 | 1 0 | 9 18 | 0 22 | 30 12 | 6 18 | 11 5 | 0 32 | 3 24 | 2 14 | 24 8 | 0 22 | 5 21 | 2 5 | 35 44 | 13 16 | 22 23 | 22 7 | 20 56 | | n.a. | F 2 |
| S 3 | 22 1 | 6 29 | 5 6 | 14 47 | 1 9 | 8 48 | 0 26 | 30 10 | 6 16 | 11 7 | 0 32 | 3 25 | 2 14 | 24 8 | 0 22 | 5 20 | 2 5 | 35 44 | 13 16 | 22 22 | 22 7 | 20 54 | | n.a. | S 3 |
| S 4 | 21 51 | 1 5 | 5 8 | 14 16 | 1 17 | 8 18 | 0 31 | 30 7 | 6 13 | 11 8 | 0 32 | 3 27 | 2 13 | 24 8 | 0 22 | 5 19 | 2 5 | 35 44 | 13 16 | 22 21 | 22 6 | 20 53 | | n.a. | S 4 |
| M 5 | 21 40 | 4s12 | 4 51 | 13 45 | 1 26 | 7 49 | 0 35 | 30 4 | 6 10 | 11 10 | 0 32 | 3 28 | 2 13 | 24 8 | 0 22 | 5 19 | 2 5 | 35 44 | 13 16 | 22 20 | 22 6 | 20 52 | | n.a. | M 5 |
| T 6 | 21 29 | 9 6 | 4 19 | 13 14 | 1 35 | 7 18 | 0 40 | 30 1 | 6 7 | 11 12 | 0 31 | 3 29 | 2 13 | 24 9 | 0 22 | 5 18 | 2 5 | 35 43 | 13 16 | 22 20 | 22 5 | 20 51 | | n.a. | T 6 |
| W 7 | 21 18 | 13 26 | 3 35 | 12 44 | 1 43 | 6 48 | 0 45 | 29 58 | 6 4 | 11 13 | 0 31 | 3 31 | 2 13 | 24 9 | 0 22 | 5 18 | 2 5 | 35 43 | 13 17 | 22 20 | 22 5 | 20 49 | | n.a. | W 7 |
| T 8 | 21 7 | 17 4 | 2 42 | 12 14 | 1 52 | 6 18 | 0 50 | 29 55 | 6 1 | 11 15 | 0 31 | 3 32 | 2 12 | 24 9 | 0 22 | 5 17 | 2 5 | 35 43 | 13 17 | 22 20 | 22 4 | 20 48 | | n.a. | T 8 |
| F 9 | 20 55 | 19 51 | 1 42 | 11 45 | 2 0 | 5 47 | 0 54 | 29 51 | 5 58 | 11 17 | 0 31 | 3 34 | 2 12 | 24 9 | 0 22 | 5 16 | 2 5 | 35 43 | 13 17 | 22 20 | 22 4 | 20 47 | | n.a. | F 9 |
| S 10 | 20 42 | 21 42 | 0 39 | 11 16 | 2 9 | 5 17 | 0 59 | 29 48 | 5 55 | 11 19 | 0 30 | 3 35 | 2 12 | 24 9 | 0 22 | 5 16 | 2 5 | 35 43 | 13 17 | 22 20 | 22 3 | 20 46 | | n.a. | S 10 |
| S 11 | 20 30 | 22 34 | 0n25 | 10 48 | 2 17 | 4 46 | 1 4 | 29 45 | 5 52 | 11 21 | 0 30 | 3 37 | 2 12 | 24 9 | 0 22 | 5 15 | 2 5 | 35 42 | 13 17 | 22 20 | 22 2 | 20 44 | | n.a. | S 11 |
| M12 | 20 17 | 22 24 | 1 28 | 10 21 | 2 25 | 4 16 | 1 9 | 29 42 | 5 49 | 11 23 | 0 30 | 3 38 | 2 11 | 24 10 | 0 22 | 5 14 | 2 5 | 35 42 | 13 17 | 22 20 | 22 2 | 20 43 | | n.a. | M12 |
| T 13 | 20 3 | 21 15 | 2 26 | 9 55 | 2 33 | 3 45 | 1 14 | 29 38 | 5 45 | 11 25 | 0 30 | 3 40 | 2 11 | 24 10 | 0 22 | 5 14 | 2 5 | 35 42 | 13 17 | 22 19 | 22 1 | 20 42 | | n.a. | T 13 |
| W14 | 19 49 | 19 10 | 3 19 | 9 30 | 2 41 | 3 14 | 1 19 | 29 35 | 5 42 | 11 27 | 0 30 | 3 42 | 2 11 | 24 10 | 0 22 | 5 13 | 2 5 | 35 42 | 13 18 | 22 18 | 22 1 | 20 41 | | n.a. | W14 |
| T 15 | 19 35 | 16 15 | 4 2 | 9 7 | 2 48 | 2 43 | 1 24 | 29 31 | 5 38 | 11 30 | 0 29 | 3 43 | 2 11 | 24 10 | 0 22 | 5 12 | 2 4 | 35 42 | 13 18 | 22 17 | 22 0 | 20 39 | | n.a. | T 15 |
| F 16 | 19 21 | 12 39 | 4 35 | 8 45 | 2 56 | 2 12 | 1 29 | 29 28 | 5 35 | 11 32 | 0 29 | 3 45 | 2 10 | 24 10 | 0 22 | 5 11 | 2 4 | 35 42 | 13 18 | 22 16 | 22 0 | 20 38 | | n.a. | F 16 |
| S 17 | 19 6 | 8 31 | 4 57 | 8 24 | 3 2 | 1 41 | 1 34 | 29 25 | 5 31 | 11 34 | 0 29 | 3 47 | 2 10 | 24 10 | 0 22 | 5 11 | 2 4 | 35 41 | 13 18 | 22 14 | 21 59 | 20 37 | | n.a. | S 17 |
| S 18 | 18 51 | 3 59 | 5 4 | 8 6 | 3 9 | 1 11 | 1 39 | 29 21 | 5 28 | 11 37 | 0 29 | 3 49 | 2 10 | 24 10 | 0 22 | 5 10 | 2 4 | 35 41 | 13 18 | 22 12 | 21 59 | 20 35 | | n.a. | S 18 |
| M19 | 18 35 | 0n45 | 4 58 | 7 50 | 3 15 | 0 40 | 1 45 | 29 18 | 5 24 | 11 39 | 0 29 | 3 50 | 2 10 | 24 11 | 0 22 | 5 9 | 2 4 | 35 41 | 13 18 | 22 11 | 21 58 | 20 34 | | n.a. | M19 |
| T 20 | 18 19 | 5 32 | 4 37 | 7 36 | 3 20 | 0 9 | 1 50 | 29 14 | 5 20 | 11 42 | 0 28 | 3 52 | 2 10 | 24 11 | 0 22 | 5 8 | 2 4 | 35 41 | 13 19 | 22 9 | 21 58 | 20 33 | | n.a. | T 20 |
| W21 | 18 3 | 10 10 | 4 1 | 7 25 | 3 25 | 0s22 | 1 55 | 29 11 | 5 17 | 11 44 | 0 28 | 3 54 | 2 9 | 24 11 | 0 22 | 5 8 | 2 4 | 35 41 | 13 19 | 22 9 | 21 57 | 20 32 | | n.a. | W21 |
| T 22 | 17 47 | 14 25 | 3 13 | 7 17 | 3 29 | 0 53 | 2 0 | 29 7 | 5 13 | 11 47 | 0 28 | 3 56 | 2 9 | 24 11 | 0 22 | 5 7 | 2 4 | 35 41 | 13 19 | 22 8 | 21 57 | 20 30 | | n.a. | T 22 |
| F 23 | 17 30 | 18 3 | 2 12 | 7 12 | 3 32 | 1 23 | 2 5 | 29 4 | 5 10 | 11 50 | 0 28 | 3 58 | 2 9 | 24 11 | 0 22 | 5 6 | 2 4 | 35 41 | 13 19 | 22 8 | 21 56 | 20 29 | | n.a. | F 23 |
| S 24 | 17 13 | 20 46 | 1 3 | 7 10 | 3 34 | 1 54 | 2 10 | 29 0 | 5 6 | 11 52 | 0 28 | 4 0 | 2 9 | 24 11 | 0 22 | 5 5 | 2 4 | 35 41 | 13 20 | 22 8 | 21 56 | 20 28 | | n.a. | S 24 |
| S 25 | 16 55 | 22 17 | 0s12 | 7 12 | 3 34 | 2 24 | 2 16 | 28 57 | 5 2 | 11 55 | 0 27 | 4 2 | 2 8 | 24 11 | 0 22 | 5 5 | 2 4 | 35 41 | 13 20 | 22 8 | 21 55 | 20 26 | | n.a. | S 25 |
| M26 | 16 38 | 22 22 | 1 27 | 7 19 | 3 34 | 2 55 | 2 21 | 28 53 | 4 59 | 11 58 | 0 27 | 4 4 | 2 8 | 24 12 | 0 22 | 5 4 | 2 4 | 35 40 | 13 20 | 22 8 | 21 54 | 20 25 | | n.a. | M26 |
| T 27 | 16 20 | 20 55 | 2 39 | 7 29 | 3 32 | 3 25 | 2 26 | 28 50 | 4 55 | 12 1 | 0 27 | 4 6 | 2 8 | 24 12 | 0 22 | 5 3 | 2 4 | 35 40 | 13 20 | 22 7 | 21 54 | 20 24 | | n.a. | T 27 |
| W28 | 16 1 | 18 1 | 3 40 | 7 45 | 3 28 | 3 55 | 2 31 | 28 46 | 4 51 | 12 4 | 0 27 | 4 8 | 2 8 | 24 12 | 0 22 | 5 2 | 2 4 | 35 40 | 13 20 | 22 6 | 21 53 | 20 22 | | n.a. | W28 |
| T 29 | 15 43 | 13 54 | 4 26 | 8 4 | 3 23 | 4 25 | 2 36 | 28 43 | 4 48 | 12 6 | 0 26 | 4 10 | 2 8 | 24 12 | 0 22 | 5 1 | 2 4 | 35 40 | 13 21 | 22 5 | 21 53 | 20 21 | | n.a. | T 29 |
| F 30 | 15 24 | 8 57 | 4 54 | 8 28 | 3 16 | 4 55 | 2 42 | 28 39 | 4 44 | 12 9 | 0 26 | 4 12 | 2 7 | 24 12 | 0 22 | 5 1 | 2 4 | 35 40 | 13 21 | 22 3 | 21 52 | 20 20 | | n.a. | F 30 |
| S 31 | 15n 5 | 3n33 | 5s 2 | 8n57 | 3s 6 | 5s25 | 2s47 | 28s36 | 4s40 | 12s12 | 0n26 | 4s14 | 2n 7 | 24n12 | 0n22 | 5n 0 | 2n 4 | 35n40 | 13n21 | 22s 1 | 21s52 | 20s18 | | n.a. | S 31 |

Julian Day Number = 994422.5, Delta T = 12h58m37s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'54, Lahiri = -31°23'53 Julian Calendar 1 Aug. 1991 BCE == Greg. Calendar 15 July 1991 BCE

The year -1990 astronomical counting style corresponds to year 1991 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## SEPTEMBER 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 32 17 | 21♌ 4'33 | 23♍47 | 28°R31 | 8♎ 8 | 29♐34 | 2♏44 | 15♎28 | 25♊11 | 22♍21 | 19♋30 | 7°R28 | 6♐38 | 12♑41 | n.a. | S 1 |
| M 2 | 21 36 14 | 22° 4'21 | 7♎42 | 27♌22 | 9° 9 | 29°49 | 2°52 | 15°33 | 25°14 | 22°23 | 19°32 | 7♐19 | 6°34 | 12°48 | n.a. | M 2 |
| T 3 | 21 40 10 | 23° 4'10 | 21° 9 | 26°10 | 10°10 | 0♑ 4 | 3° 1 | 15°38 | 25°16 | 22°25 | 19°34 | 7°13 | 6°31 | 12°55 | n.a. | T 3 |
| W 4 | 21 44 7 | 24° 4'02 | 4♏ 8 | 24°56 | 11°11 | 0°21 | 3° 9 | 15°44 | 25°19 | 22°27 | 19°36 | 7° 9 | 6°28 | 13° 1 | n.a. | W 4 |
| T 5 | 21 48 3 | 25° 3'56 | 16°42 | 23°42 | 12°11 | 0°37 | 3°18 | 15°49 | 25°21 | 22°29 | 19°37 | 7° 8 | 6°25 | 13° 8 | n.a. | T 5 |
| F 6 | 21 52 0 | 26° 3'51 | 28°57 | 22°30 | 13°11 | 0°55 | 3°27 | 15°54 | 25°23 | 22°31 | 19°39 | 7°D 7 | 6°22 | 13°15 | n.a. | F 6 |
| S 7 | 21 55 56 | 27° 3'49 | 10♐57 | 21°23 | 14°10 | 1°13 | 3°36 | 15°59 | 25°25 | 22°33 | 19°41 | 7°R 7 | 6°18 | 13°21 | n.a. | S 7 |
| S 8 | 21 59 53 | 28° 3'48 | 22°49 | 20°22 | 15° 9 | 1°31 | 3°45 | 16° 5 | 25°28 | 22°35 | 19°43 | 7° 7 | 6°15 | 13°28 | n.a. | S 8 |
| M 9 | 22 3 49 | 29° 3'49 | 4♑37 | 19°29 | 16° 8 | 1°50 | 3°54 | 16°10 | 25°30 | 22°37 | 19°45 | 7° 4 | 6°12 | 13°35 | n.a. | M 9 |
| T 10 | 22 7 46 | 0♍ 3'52 | 16°26 | 18°46 | 17° 6 | 2°10 | 4° 4 | 16°16 | 25°32 | 22°40 | 19°46 | 6°58 | 6° 9 | 13°41 | n.a. | T 10 |
| W11 | 22 11 43 | 1° 3'57 | 28°19 | 18°14 | 18° 4 | 2°30 | 4°13 | 16°21 | 25°34 | 22°42 | 19°48 | 6°50 | 6° 6 | 13°48 | n.a. | W11 |
| T 12 | 22 15 39 | 2° 4'04 | 10♒21 | 17°52 | 19° 1 | 2°50 | 4°23 | 16°27 | 25°36 | 22°44 | 19°50 | 6°39 | 6° 3 | 13°55 | n.a. | T 12 |
| F 13 | 22 19 36 | 3° 4'13 | 22°32 | 17°D43 | 19°58 | 3°11 | 4°33 | 16°32 | 25°38 | 22°46 | 19°51 | 6°26 | 5°59 | 14° 1 | n.a. | F 13 |
| S 14 | 22 23 32 | 4° 4'23 | 4♓55 | 17°44 | 20°55 | 3°33 | 4°43 | 16°38 | 25°40 | 22°48 | 19°53 | 6°12 | 5°56 | 14° 8 | n.a. | S 14 |
| S 15 | 22 27 29 | 5° 4'36 | 17°28 | 17°57 | 21°50 | 3°54 | 4°53 | 16°44 | 25°42 | 22°50 | 19°55 | 5°58 | 5°53 | 14°15 | n.a. | S 15 |
| M16 | 22 31 25 | 6° 4'50 | 0♈13 | 18°20 | 22°46 | 4°17 | 5° 3 | 16°50 | 25°43 | 22°52 | 19°56 | 5°45 | 5°50 | 14°21 | n.a. | M16 |
| T 17 | 22 35 22 | 7° 5'07 | 13° 9 | 18°53 | 23°40 | 4°39 | 5°13 | 16°55 | 25°45 | 22°55 | 19°58 | 5°35 | 5°47 | 14°28 | n.a. | T 17 |
| W18 | 22 39 18 | 8° 5'26 | 26°15 | 19°34 | 24°34 | 5° 3 | 5°23 | 17° 1 | 25°47 | 22°57 | 19°59 | 5°27 | 5°43 | 14°35 | n.a. | W18 |
| T 19 | 22 43 15 | 9° 5'46 | 9♉33 | 20°24 | 25°28 | 5°26 | 5°34 | 17° 7 | 25°49 | 22°59 | 20° 1 | 5°23 | 5°40 | 14°41 | n.a. | T 19 |
| F 20 | 22 47 11 | 10° 6'10 | 23° 2 | 21°20 | 26°21 | 5°50 | 5°44 | 17°13 | 25°50 | 23° 1 | 20° 2 | 5°21 | 5°37 | 14°48 | n.a. | F 20 |
| S 21 | 22 51 8 | 11° 6'35 | 6♊45 | 22°23 | 27°13 | 6°14 | 5°55 | 17°19 | 25°52 | 23° 3 | 20° 4 | 5°21 | 5°34 | 14°55 | n.a. | S 21 |
| S 22 | 22 55 5 | 12° 7'03 | 20°41 | 23°31 | 28° 5 | 6°39 | 6° 5 | 17°25 | 25°53 | 23° 6 | 20° 5 | 5°21 | 5°31 | 15° 1 | n.a. | S 22 |
| M23 | 22 59 1 | 13° 7'32 | 4♋52 | 24°44 | 28°56 | 7° 4 | 6°16 | 17°32 | 25°55 | 23° 8 | 20° 7 | 5°20 | 5°28 | 15° 8 | n.a. | M23 |
| T 24 | 23 2 58 | 14° 8'04 | 19°16 | 26° 1 | 29°46 | 7°30 | 6°27 | 17°38 | 25°56 | 23°10 | 20° 8 | 5°16 | 5°24 | 15°15 | n.a. | T 24 |
| W25 | 23 6 54 | 15° 8'38 | 3♌50 | 27°21 | 0♏35 | 7°56 | 6°38 | 17°44 | 25°58 | 23°12 | 20°10 | 5°10 | 5°21 | 15°22 | n.a. | W25 |
| T 26 | 23 10 51 | 16° 9'14 | 18°29 | 28°44 | 1°24 | 8°22 | 6°49 | 17°50 | 25°59 | 23°15 | 20°11 | 5° 0 | 5°18 | 15°28 | n.a. | T 26 |
| F 27 | 23 14 47 | 17° 9'51 | 3♍ 6 | 0♍10 | 2°12 | 8°48 | 7° 0 | 17°57 | 26° 0 | 23°17 | 20°12 | 4°49 | 5°15 | 15°35 | n.a. | F 27 |
| S 28 | 23 18 44 | 18°10'31 | 17°35 | 1°37 | 2°59 | 9°15 | 7°12 | 18° 3 | 26° 1 | 23°19 | 20°14 | 4°37 | 5°12 | 15°42 | n.a. | S 28 |
| S 29 | 23 22 40 | 19°11'12 | 1♎46 | 3° 7 | 3°45 | 9°42 | 7°23 | 18° 9 | 26° 2 | 23°21 | 20°15 | 4°26 | 5° 9 | 15°48 | n.a. | S 29 |
| M30 | 23 26 37 | 20♍11'54 | 15♎36 | 4♍37 | 4♏30 | 10♑10 | 7♏35 | 18♎16 | 26♊ 4 | 23♍24 | 20♋16 | 4♐16 | 5♐ 5 | 15♑55 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n46 | 1s54 | 4s50 | 9n30 | 2s55 | 5s55 | 2s52 | 28s32 | 4s37 | 12s16 | 0n26 | 4s16 | 2n 7 | 24n12 | 0n22 | 4n59 | 2n 4 | 35n40 | 13n22 | 22s 0 | 21s51 | 20s17 | | n.a. |
| M 2 | 14 26 | 7 6 | 4 21 | 10 6 | 2 42 | 6 24 | 2 57 | 28 28 | 4 33 | 12 19 | 0 26 | 4 18 | 2 7 | 24 12 | 0 22 | 4 58 | 2 4 | 35 40 | 13 22 | 21 58 | 21 51 | 20 16 | | n.a. |
| T 3 | 14 6 | 11 46 | 3 38 | 10 45 | 2 27 | 6 53 | 3 2 | 28 25 | 4 30 | 12 22 | 0 26 | 4 20 | 2 7 | 24 13 | 0 22 | 4 57 | 2 4 | 35 40 | 13 22 | 21 57 | 21 50 | 20 14 | | n.a. |
| W 4 | 13 46 | 15 44 | 2 46 | 11 26 | 2 10 | 7 22 | 3 7 | 28 21 | 4 26 | 12 25 | 0 25 | 4 22 | 2 6 | 24 13 | 0 22 | 4 56 | 2 4 | 35 40 | 13 22 | 21 57 | 21 49 | 20 13 | | n.a. |
| T 5 | 13 26 | 18 51 | 1 46 | 12 8 | 1 51 | 7 51 | 3 12 | 28 18 | 4 22 | 12 28 | 0 25 | 4 25 | 2 6 | 24 13 | 0 22 | 4 56 | 2 4 | 35 40 | 13 23 | 21 56 | 21 49 | 20 12 | | n.a. |
| F 6 | 13 5 | 21 2 | 0 43 | 12 50 | 1 32 | 8 19 | 3 17 | 28 14 | 4 19 | 12 31 | 0 25 | 4 27 | 2 6 | 24 13 | 0 23 | 4 55 | 2 4 | 35 40 | 13 23 | 21 56 | 21 48 | 20 10 | | n.a. |
| S 7 | 12 44 | 22 12 | 0n20 | 13 32 | 1 12 | 8 48 | 3 22 | 28 10 | 4 15 | 12 35 | 0 25 | 4 29 | 2 6 | 24 13 | 0 23 | 4 54 | 2 4 | 35 40 | 13 23 | 21 56 | 21 48 | 20 9 | | n.a. |
| S 8 | 12 23 | 22 21 | 1 22 | 14 11 | 0 52 | 9 15 | 3 27 | 28 7 | 4 12 | 12 38 | 0 25 | 4 31 | 2 6 | 24 13 | 0 23 | 4 53 | 2 4 | 35 40 | 13 24 | 21 56 | 21 47 | 20 7 | | n.a. |
| M 9 | 12 2 | 21 30 | 2 20 | 14 47 | 0 31 | 9 43 | 3 32 | 28 3 | 4 8 | 12 42 | 0 24 | 4 34 | 2 5 | 24 13 | 0 23 | 4 52 | 2 4 | 35 40 | 13 24 | 21 56 | 21 47 | 20 6 | | n.a. |
| T 10 | 11 40 | 19 43 | 3 12 | 15 19 | 0 12 | 10 11 | 3 37 | 27 59 | 4 5 | 12 45 | 0 24 | 4 36 | 2 5 | 24 13 | 0 23 | 4 51 | 2 4 | 35 40 | 13 24 | 21 55 | 21 46 | 20 5 | | n.a. |
| W11 | 11 19 | 17 4 | 3 56 | 15 47 | 0n 7 | 10 38 | 3 42 | 27 55 | 4 1 | 12 48 | 0 24 | 4 38 | 2 5 | 24 13 | 0 23 | 4 50 | 2 4 | 35 40 | 13 25 | 21 53 | 21 46 | 20 3 | | n.a. |
| T 12 | 10 57 | 13 41 | 4 29 | 16 11 | 0 25 | 11 4 | 3 46 | 27 51 | 3 58 | 12 52 | 0 24 | 4 41 | 2 5 | 24 14 | 0 23 | 4 49 | 2 3 | 35 40 | 13 25 | 21 51 | 21 45 | 20 2 | | n.a. |
| F 13 | 10 35 | 9 42 | 4 51 | 16 30 | 0 42 | 11 31 | 3 51 | 27 48 | 3 55 | 12 55 | 0 24 | 4 43 | 2 5 | 24 14 | 0 23 | 4 49 | 2 3 | 35 40 | 13 25 | 21 49 | 21 44 | 20 1 | | n.a. |
| S 14 | 10 13 | 5 16 | 5 0 | 16 43 | 0 57 | 11 57 | 3 56 | 27 44 | 3 51 | 12 59 | 0 23 | 4 45 | 2 5 | 24 14 | 0 23 | 4 48 | 2 3 | 35 40 | 13 26 | 21 47 | 21 44 | 19 59 | | n.a. |
| S 15 | 9 50 | 0 33 | 4 54 | 16 52 | 1 10 | 12 22 | 4 0 | 27 40 | 3 48 | 13 2 | 0 23 | 4 48 | 2 4 | 24 14 | 0 23 | 4 47 | 2 3 | 35 41 | 13 26 | 21 44 | 21 43 | 19 58 | | n.a. |
| M16 | 9 28 | 4n15 | 4 33 | 16 56 | 1 22 | 12 48 | 4 5 | 27 36 | 3 45 | 13 6 | 0 23 | 4 50 | 2 4 | 24 14 | 0 23 | 4 46 | 2 3 | 35 41 | 13 26 | 21 42 | 21 43 | 19 56 | | n.a. |
| T 17 | 9 5 | 8 56 | 3 59 | 16 56 | 1 33 | 13 13 | 4 9 | 27 32 | 3 42 | 13 10 | 0 23 | 4 52 | 2 4 | 24 14 | 0 23 | 4 45 | 2 3 | 35 41 | 13 27 | 21 40 | 21 42 | 19 55 | | n.a. |
| W18 | 8 42 | 13 17 | 3 11 | 16 51 | 1 42 | 13 37 | 4 13 | 27 28 | 3 38 | 13 13 | 0 23 | 4 55 | 2 4 | 24 14 | 0 23 | 4 44 | 2 3 | 35 41 | 13 27 | 21 39 | 21 42 | 19 54 | | n.a. |
| T 19 | 8 19 | 17 2 | 2 12 | 16 42 | 1 49 | 14 1 | 4 17 | 27 23 | 3 35 | 13 17 | 0 23 | 4 57 | 2 4 | 24 14 | 0 23 | 4 43 | 2 3 | 35 41 | 13 27 | 21 38 | 21 41 | 19 52 | | n.a. |
| F 20 | 7 56 | 19 57 | 1 5 | 16 29 | 1 55 | 14 25 | 4 22 | 27 19 | 3 32 | 13 21 | 0 22 | 5 0 | 2 4 | 24 14 | 0 23 | 4 42 | 2 3 | 35 41 | 13 28 | 21 38 | 21 40 | 19 51 | | n.a. |
| S 21 | 7 33 | 21 45 | 0s 7 | 16 13 | 2 0 | 14 48 | 4 25 | 27 15 | 3 29 | 13 25 | 0 22 | 5 2 | 2 3 | 24 14 | 0 23 | 4 41 | 2 3 | 35 41 | 13 28 | 21 38 | 21 40 | 19 49 | | n.a. |
| S 22 | 7 9 | 22 15 | 1 20 | 15 54 | 2 4 | 15 11 | 4 29 | 27 10 | 3 26 | 13 28 | 0 22 | 5 5 | 2 3 | 24 14 | 0 23 | 4 41 | 2 3 | 35 41 | 13 29 | 21 38 | 21 39 | 19 48 | | n.a. |
| M23 | 6 46 | 21 21 | 2 29 | 15 31 | 2 7 | 15 33 | 4 33 | 27 6 | 3 23 | 13 32 | 0 22 | 5 7 | 2 3 | 24 14 | 0 23 | 4 40 | 2 3 | 35 41 | 13 29 | 21 37 | 21 39 | 19 46 | | n.a. |
| T 24 | 6 22 | 19 3 | 3 30 | 15 6 | 2 8 | 15 55 | 4 37 | 27 2 | 3 20 | 13 36 | 0 22 | 5 10 | 2 3 | 24 15 | 0 23 | 4 39 | 2 3 | 35 42 | 13 29 | 21 37 | 21 38 | 19 45 | | n.a. |
| W25 | 5 58 | 15 31 | 4 18 | 14 39 | 2 9 | 16 16 | 4 40 | 26 57 | 3 17 | 13 40 | 0 22 | 5 12 | 2 3 | 24 15 | 0 23 | 4 38 | 2 3 | 35 42 | 13 30 | 21 35 | 21 38 | 19 44 | | n.a. |
| T 26 | 5 34 | 11 1 | 4 49 | 14 9 | 2 9 | 16 37 | 4 44 | 26 52 | 3 14 | 13 44 | 0 21 | 5 15 | 2 3 | 24 15 | 0 23 | 4 37 | 2 3 | 35 42 | 13 30 | 21 34 | 21 37 | 19 42 | | n.a. |
| F 27 | 5 10 | 5 54 | 5 1 | 13 38 | 2 8 | 16 57 | 4 47 | 26 48 | 3 11 | 13 48 | 0 21 | 5 18 | 2 3 | 24 15 | 0 23 | 4 36 | 2 3 | 35 42 | 13 31 | 21 32 | 21 36 | 19 41 | | n.a. |
| S 28 | 4 46 | 0 31 | 4 53 | 13 4 | 2 6 | 17 16 | 4 50 | 26 43 | 3 8 | 13 51 | 0 21 | 5 20 | 2 2 | 24 15 | 0 23 | 4 35 | 2 3 | 35 42 | 13 31 | 21 29 | 21 36 | 19 39 | | n.a. |
| S 29 | 4 22 | 4s48 | 4 28 | 12 29 | 2 4 | 17 35 | 4 53 | 26 38 | 3 5 | 13 55 | 0 21 | 5 23 | 2 2 | 24 15 | 0 23 | 4 34 | 2 3 | 35 43 | 13 31 | 21 27 | 21 35 | 19 38 | | n.a. |
| M30 | 3n57 | 9s44 | 3s47 | 11n53 | 2n 2 | 17s54 | 4s56 | 26s33 | 3s 2 | 13s59 | 0n21 | 5s25 | 2n 2 | 24n15 | 0n23 | 4n33 | 2n 3 | 35n43 | 13n32 | 21s25 | 21s35 | 19s36 | | n.a. |

Julian Day Number = 994453.5, Delta T = 12h58m35s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'50, Lahiri = -31°23'49 Julian Calendar 1 Sept. 1991 BCE == Greg. Calendar 15 Aug. 1991 BCE


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## OCTOBER 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 30 34 | 21♍12'38 | 29♎ 1 | 6♍ 9 | 5♏14 | 10♑38 | 7♏46 | 18♎22 | 26♊ 5 | 23♍26 | 20♋17 | 4°R 8 | 5♐ 2 | 16♑ 2 | n.a. | T 1 |
| W 2 | 23 34 30 | 22°13'24 | 12♏ 1 | 7°42 | 5°58 | 11° 6 | 7°58 | 18°29 | 26° 6 | 23°28 | 20°19 | 4♐ 4 | 4°59 | 16° 8 | n.a. | W 2 |
| T 3 | 23 38 27 | 23°14'11 | 24°38 | 9°15 | 6°40 | 11°34 | 8°10 | 18°35 | 26° 6 | 23°30 | 20°20 | 4° 2 | 4°56 | 16°15 | n.a. | T 3 |
| F 4 | 23 42 23 | 24°14'59 | 6♐55 | 10°49 | 7°21 | 12° 3 | 8°21 | 18°42 | 26° 7 | 23°33 | 20°21 | 4°D 1 | 4°53 | 16°22 | n.a. | F 4 |
| S 5 | 23 46 20 | 25°15'49 | 18°58 | 12°23 | 8° 1 | 12°32 | 8°33 | 18°48 | 26° 8 | 23°35 | 20°22 | 4° 2 | 4°49 | 16°28 | n.a. | S 5 |
| S 6 | 23 50 16 | 26°16'39 | 0♑51 | 13°58 | 8°39 | 13° 1 | 8°45 | 18°55 | 26° 9 | 23°37 | 20°23 | 4°R 2 | 4°46 | 16°35 | n.a. | S 6 |
| M 7 | 23 54 13 | 27°17'31 | 12°40 | 15°33 | 9°17 | 13°31 | 8°57 | 19° 2 | 26°10 | 23°39 | 20°24 | 4° 0 | 4°43 | 16°42 | n.a. | M 7 |
| T 8 | 23 58 9 | 28°18'25 | 24°30 | 17° 8 | 9°53 | 14° 0 | 9° 9 | 19° 8 | 26°10 | 23°42 | 20°25 | 3°57 | 4°40 | 16°48 | n.a. | T 8 |
| W 9 | 0 2 6 | 29°19'19 | 6♒27 | 18°43 | 10°28 | 14°30 | 9°22 | 19°15 | 26°11 | 23°44 | 20°26 | 3°51 | 4°37 | 16°55 | n.a. | W 9 |
| T 10 | 0 6 3 | 0♎20'14 | 18°33 | 20°18 | 11° 1 | 15° 1 | 9°34 | 19°22 | 26°11 | 23°46 | 20°27 | 3°42 | 4°34 | 17° 2 | n.a. | T 10 |
| F 11 | 0 9 59 | 1°21'11 | 0♓53 | 21°53 | 11°33 | 15°31 | 9°46 | 19°28 | 26°12 | 23°48 | 20°28 | 3°32 | 4°30 | 17° 8 | n.a. | F 11 |
| S 12 | 0 13 56 | 2°22'08 | 13°28 | 23°28 | 12° 3 | 16° 2 | 9°59 | 19°35 | 26°12 | 23°51 | 20°29 | 3°20 | 4°27 | 17°15 | n.a. | S 12 |
| S 13 | 0 17 52 | 3°23'07 | 26°18 | 25° 3 | 12°32 | 16°33 | 10°11 | 19°42 | 26°13 | 23°53 | 20°30 | 3° 9 | 4°24 | 17°22 | n.a. | S 13 |
| M14 | 0 21 49 | 4°24'07 | 9♈23 | 26°38 | 12°59 | 17° 4 | 10°24 | 19°49 | 26°13 | 23°55 | 20°31 | 2°58 | 4°21 | 17°28 | n.a. | M14 |
| T 15 | 0 25 45 | 5°25'08 | 22°42 | 28°13 | 13°25 | 17°35 | 10°36 | 19°56 | 26°13 | 23°57 | 20°32 | 2°50 | 4°18 | 17°35 | n.a. | T 15 |
| W16 | 0 29 42 | 6°26'10 | 6♉12 | 29°47 | 13°48 | 18° 7 | 10°49 | 20° 2 | 26°13 | 24° 0 | 20°33 | 2°44 | 4°14 | 17°42 | n.a. | W16 |
| T 17 | 0 33 38 | 7°27'14 | 19°51 | 1♎22 | 14°10 | 18°39 | 11° 2 | 20° 9 | 26°14 | 24° 2 | 20°33 | 2°41 | 4°11 | 17°48 | n.a. | T 17 |
| F 18 | 0 37 35 | 8°28'19 | 3♊39 | 2°57 | 14°30 | 19°10 | 11°14 | 20°16 | 26°14 | 24° 4 | 20°34 | 2°D41 | 4° 8 | 17°55 | n.a. | F 18 |
| S 19 | 0 41 32 | 9°29'26 | 17°33 | 4°31 | 14°48 | 19°43 | 11°27 | 20°23 | 26°R14 | 24° 6 | 20°35 | 2°41 | 4° 5 | 18° 2 | n.a. | S 19 |
| S 20 | 0 45 28 | 10°30'33 | 1♋33 | 6° 6 | 15° 4 | 20°15 | 11°40 | 20°30 | 26°14 | 24° 8 | 20°35 | 2°42 | 4° 2 | 18° 9 | n.a. | S 20 |
| M21 | 0 49 25 | 11°31'42 | 15°39 | 7°40 | 15°17 | 20°47 | 11°53 | 20°37 | 26°14 | 24°11 | 20°36 | 2°R42 | 3°59 | 18°15 | n.a. | M21 |
| T 22 | 0 53 21 | 12°32'53 | 29°49 | 9°15 | 15°29 | 21°20 | 12° 6 | 20°44 | 26°13 | 24°13 | 20°37 | 2°41 | 3°55 | 18°22 | n.a. | T 22 |
| W23 | 0 57 18 | 13°34'04 | 14♌ 2 | 10°49 | 15°39 | 21°53 | 12°19 | 20°51 | 26°13 | 24°15 | 20°37 | 2°37 | 3°52 | 18°29 | n.a. | W23 |
| T 24 | 1 1 14 | 14°35'16 | 28°14 | 12°24 | 15°46 | 22°26 | 12°32 | 20°58 | 26°13 | 24°17 | 20°38 | 2°32 | 3°49 | 18°35 | n.a. | T 24 |
| F 25 | 1 5 11 | 15°36'30 | 12♍22 | 13°58 | 15°51 | 22°59 | 12°46 | 21° 5 | 26°13 | 24°19 | 20°38 | 2°24 | 3°46 | 18°42 | n.a. | F 25 |
| S 26 | 1 9 7 | 16°37'44 | 26°23 | 15°33 | 15°53 | 23°32 | 12°59 | 21°12 | 26°12 | 24°21 | 20°39 | 2°16 | 3°43 | 18°49 | n.a. | S 26 |
| S 27 | 1 13 4 | 17°39'00 | 10♎11 | 17° 7 | 15°R53 | 24° 6 | 13°12 | 21°19 | 26°12 | 24°23 | 20°39 | 2° 8 | 3°40 | 18°55 | n.a. | S 27 |
| M28 | 1 17 1 | 18°40'16 | 23°42 | 18°42 | 15°51 | 24°39 | 13°25 | 21°26 | 26°11 | 24°26 | 20°40 | 2° 2 | 3°36 | 19° 2 | n.a. | M28 |
| T 29 | 1 20 57 | 19°41'32 | 6♏55 | 20°16 | 15°46 | 25°13 | 13°39 | 21°33 | 26°11 | 24°28 | 20°40 | 1°57 | 3°33 | 19° 9 | n.a. | T 29 |
| W30 | 1 24 54 | 20°42'50 | 19°48 | 21°51 | 15°39 | 25°47 | 13°52 | 21°40 | 26°10 | 24°30 | 20°40 | 1°54 | 3°30 | 19°15 | n.a. | W30 |
| T 31 | 1 28 50 | 21♎44'07 | 2♐21 | 23♎26 | 15♏29 | 26♑21 | 14♏ 6 | 21♎47 | 26♊10 | 24♍32 | 20♋41 | 1°D53 | 3♐27 | 19♑22 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 3n33 | 14s 3 | 2s54 | 11n16 | 1n58 | 18s12 | 4s58 | 26s28 | 2s59 | 14s 3 | 0n21 | 5s28 | 2n 2 | 24n15 | 0n23 | 4n32 | 2n 3 | 35n43 | 13n32 | 21s24 | 21s34 | 19s35 | | | n.a. |
| W 2 | 3 9 | 17 33 | 1 54 | 10 37 | 1 55 | 18 29 | 5 1 | 26 22 | 2 56 | 14 7 | 0 21 | 5 31 | 2 2 | 24 15 | 0 23 | 4 31 | 2 3 | 35 43 | 13 33 | 21 23 | 21 34 | 19 33 | | | n.a. |
| T 3 | 2 44 | 20 7 | 0 50 | 9 58 | 1 51 | 18 45 | 5 3 | 26 17 | 2 53 | 14 11 | 0 20 | 5 33 | 2 2 | 24 15 | 0 23 | 4 30 | 2 3 | 35 43 | 13 33 | 21 23 | 21 33 | 19 32 | | | n.a. |
| F 4 | 2 20 | 21 39 | 0n15 | 9 17 | 1 46 | 19 1 | 5 5 | 26 12 | 2 51 | 14 15 | 0 20 | 5 36 | 2 2 | 24 15 | 0 23 | 4 30 | 2 3 | 35 44 | 13 34 | 21 23 | 21 32 | 19 31 | | | n.a. |
| S 5 | 1 55 | 22 9 | 1 19 | 8 36 | 1 42 | 19 17 | 5 7 | 26 6 | 2 48 | 14 19 | 0 20 | 5 38 | 2 2 | 24 15 | 0 23 | 4 29 | 2 3 | 35 44 | 13 34 | 21 23 | 21 32 | 19 29 | | | n.a. |
| S 6 | 1 31 | 21 37 | 2 18 | 7 55 | 1 37 | 19 31 | 5 8 | 26 1 | 2 45 | 14 23 | 0 20 | 5 41 | 2 2 | 24 15 | 0 23 | 4 28 | 2 3 | 35 44 | 13 35 | 21 23 | 21 31 | 19 28 | | | n.a. |
| M 7 | 1 6 | 20 9 | 3 11 | 7 12 | 1 31 | 19 45 | 5 10 | 25 55 | 2 43 | 14 28 | 0 20 | 5 44 | 2 1 | 24 15 | 0 23 | 4 27 | 2 3 | 35 44 | 13 35 | 21 23 | 21 31 | 19 26 | | | n.a. |
| T 8 | 0 41 | 17 48 | 3 55 | 6 30 | 1 26 | 19 58 | 5 11 | 25 49 | 2 40 | 14 32 | 0 20 | 5 46 | 2 1 | 24 15 | 0 23 | 4 26 | 2 3 | 35 45 | 13 35 | 21 22 | 21 30 | 19 25 | | | n.a. |
| W 9 | 0 17 | 14 41 | 4 30 | 5 47 | 1 20 | 20 10 | 5 12 | 25 43 | 2 37 | 14 36 | 0 19 | 5 49 | 2 1 | 24 15 | 0 24 | 4 25 | 2 3 | 35 45 | 13 36 | 21 21 | 21 29 | 19 23 | | | n.a. |
| T 10 | 0s 8 | 10 56 | 4 53 | 5 3 | 1 14 | 20 22 | 5 12 | 25 37 | 2 35 | 14 40 | 0 19 | 5 52 | 2 1 | 24 16 | 0 24 | 4 24 | 2 3 | 35 45 | 13 36 | 21 19 | 21 29 | 19 22 | | | n.a. |
| F 11 | 0 33 | 6 40 | 5 3 | 4 20 | 1 8 | 20 32 | 5 12 | 25 31 | 2 32 | 14 44 | 0 19 | 5 54 | 2 1 | 24 16 | 0 24 | 4 23 | 2 3 | 35 45 | 13 37 | 21 17 | 21 28 | 19 20 | | | n.a. |
| S 12 | 0 58 | 2 2 | 4 59 | 3 36 | 1 2 | 20 42 | 5 13 | 25 25 | 2 30 | 14 48 | 0 19 | 5 57 | 2 1 | 24 16 | 0 24 | 4 22 | 2 3 | 35 46 | 13 37 | 21 15 | 21 28 | 19 19 | | | n.a. |
| S 13 | 1 22 | 2n46 | 4 40 | 2 52 | 0 56 | 20 51 | 5 12 | 25 18 | 2 27 | 14 52 | 0 19 | 6 0 | 2 1 | 24 16 | 0 24 | 4 21 | 2 3 | 35 46 | 13 38 | 21 13 | 21 27 | 19 17 | | | n.a. |
| M14 | 1 47 | 7 32 | 4 5 | 2 7 | 0 50 | 20 59 | 5 12 | 25 12 | 2 25 | 14 56 | 0 19 | 6 3 | 2 1 | 24 16 | 0 24 | 4 21 | 2 3 | 35 46 | 13 38 | 21 10 | 21 26 | 19 16 | | | n.a. |
| T 15 | 2 12 | 12 2 | 3 17 | 1 23 | 0 43 | 21 6 | 5 11 | 25 5 | 2 22 | 15 1 | 0 19 | 6 5 | 2 1 | 24 16 | 0 24 | 4 20 | 2 3 | 35 47 | 13 39 | 21 9 | 21 26 | 19 14 | | | n.a. |
| W16 | 2 36 | 16 0 | 2 17 | 0 39 | 0 37 | 21 12 | 5 10 | 24 59 | 2 20 | 15 5 | 0 18 | 6 8 | 2 1 | 24 16 | 0 24 | 4 19 | 2 3 | 35 47 | 13 39 | 21 8 | 21 25 | 19 13 | | | n.a. |
| T 17 | 3 1 | 19 9 | 1 8 | 0s 6 | 0 30 | 21 18 | 5 8 | 24 52 | 2 17 | 15 9 | 0 18 | 6 11 | 2 0 | 24 16 | 0 24 | 4 18 | 2 3 | 35 47 | 13 40 | 21 7 | 21 25 | 19 11 | | | n.a. |
| F 18 | 3 25 | 21 13 | 0s 5 | 0 50 | 0 24 | 21 22 | 5 6 | 24 45 | 2 15 | 15 13 | 0 18 | 6 13 | 2 0 | 24 16 | 0 24 | 4 17 | 2 3 | 35 48 | 13 40 | 21 7 | 21 24 | 19 10 | | | n.a. |
| S 19 | 3 50 | 22 1 | 1 19 | 1 34 | 0 17 | 21 25 | 5 4 | 24 38 | 2 13 | 15 17 | 0 18 | 6 16 | 2 0 | 24 16 | 0 24 | 4 16 | 2 3 | 35 48 | 13 41 | 21 7 | 21 23 | 19 8 | | | n.a. |
| S 20 | 4 14 | 21 26 | 2 29 | 2 18 | 0 11 | 21 27 | 5 1 | 24 31 | 2 10 | 15 21 | 0 18 | 6 19 | 2 0 | 24 16 | 0 24 | 4 15 | 2 3 | 35 48 | 13 41 | 21 7 | 21 23 | 19 7 | | | n.a. |
| M21 | 4 39 | 19 30 | 3 30 | 3 2 | 0 4 | 21 29 | 4 57 | 24 23 | 2 8 | 15 26 | 0 18 | 6 21 | 2 0 | 24 16 | 0 24 | 4 14 | 2 3 | 35 49 | 13 42 | 21 7 | 21 22 | 19 5 | | | n.a. |
| T 22 | 5 3 | 16 23 | 4 19 | 3 46 | 0s 2 | 21 29 | 4 54 | 24 16 | 2 6 | 15 30 | 0 18 | 6 24 | 2 0 | 24 16 | 0 24 | 4 14 | 2 3 | 35 49 | 13 42 | 21 7 | 21 22 | 19 4 | | | n.a. |
| W23 | 5 28 | 12 18 | 4 52 | 4 30 | 0 9 | 21 27 | 4 50 | 24 8 | 2 4 | 15 34 | 0 17 | 6 27 | 2 0 | 24 16 | 0 24 | 4 13 | 2 4 | 35 50 | 13 43 | 21 6 | 21 21 | 19 2 | | | n.a. |
| T 24 | 5 52 | 7 32 | 5 7 | 5 14 | 0 15 | 21 25 | 4 45 | 24 1 | 2 1 | 15 38 | 0 17 | 6 30 | 2 0 | 24 16 | 0 24 | 4 12 | 2 4 | 35 50 | 13 43 | 21 5 | 21 20 | 19 1 | | | n.a. |
| F 25 | 6 16 | 2 24 | 5 3 | 5 57 | 0 22 | 21 22 | 4 40 | 23 53 | 1 59 | 15 42 | 0 17 | 6 32 | 2 0 | 24 16 | 0 24 | 4 11 | 2 4 | 35 50 | 13 44 | 21 4 | 21 20 | 18 59 | | | n.a. |
| S 26 | 6 40 | 2s49 | 4 41 | 6 40 | 0 28 | 21 17 | 4 34 | 23 45 | 1 57 | 15 47 | 0 17 | 6 35 | 2 0 | 24 16 | 0 24 | 4 10 | 2 4 | 35 51 | 13 44 | 21 2 | 21 19 | 18 57 | | | n.a. |
| S 27 | 7 4 | 7 49 | 4 3 | 7 23 | 0 34 | 21 11 | 4 28 | 23 37 | 1 55 | 15 51 | 0 17 | 6 38 | 2 0 | 24 16 | 0 24 | 4 9 | 2 4 | 35 51 | 13 45 | 21 0 | 21 19 | 18 56 | | | n.a. |
| M28 | 7 28 | 12 20 | 3 12 | 8 5 | 0 40 | 21 4 | 4 21 | 23 28 | 1 53 | 15 55 | 0 17 | 6 40 | 2 0 | 24 16 | 0 24 | 4 9 | 2 4 | 35 52 | 13 45 | 20 59 | 21 18 | 18 54 | | | n.a. |
| T 29 | 7 51 | 16 9 | 2 11 | 8 47 | 0 46 | 20 56 | 4 14 | 23 20 | 1 51 | 15 59 | 0 17 | 6 43 | 2 0 | 24 16 | 0 24 | 4 8 | 2 4 | 35 52 | 13 45 | 20 58 | 21 17 | 18 53 | | | n.a. |
| W30 | 8 15 | 19 5 | 1 5 | 9 29 | 0 52 | 20 46 | 4 6 | 23 12 | 1 49 | 16 4 | 0 17 | 6 46 | 2 0 | 24 16 | 0 24 | 4 7 | 2 4 | 35 52 | 13 46 | 20 58 | 21 17 | 18 51 | | | n.a. |
| T 31 | 8s38 | 21s 1 | 0n 3 | 10s10 | 0s58 | 20s35 | 3s58 | 23s 3 | 1s47 | 16s 8 | 0n16 | 6s48 | 2n 0 | 24n16 | 0n24 | 4n 6 | 2n 4 | 35n53 | 13n46 | 20s57 | 21s16 | 18s50 | | | n.a. |

Julian Day Number = 994483.5, Delta T = 12h58m33s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'46, Lahiri = -31°23'45 Julian Calendar 1 Oct. 1991 BCE == Greg. Calendar 14 Sept. 1991 BCE

The year -1990 astronomical counting style corresponds to year 1991 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## NOVEMBER 1991 BCE (-1990) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 32 47 | 22♎45'25 | 14♐38 | 25♎ 0 | 15°R17 | 26♉55 | 14♏19 | 21♎54 | 26°R 9 | 24♍34 | 20♋41 | 1♐54 | 3♐24 | 19♉29 | n.a. | F 1 |
| S 2 | 1 36 43 | 23°46'44 | 26°42 | 26°35 | 15♏ 2 | 27°29 | 14°33 | 22° 1 | 26♊ 8 | 24°36 | 20°41 | 1°56 | 3°20 | 19°35 | n.a. | S 2 |
| S 3 | 1 40 40 | 24°48'02 | 8♉36 | 28°11 | 14°45 | 28° 4 | 14°46 | 22° 8 | 26° 7 | 24°38 | 20°42 | 1°57 | 3°17 | 19°42 | n.a. | S 3 |
| M 4 | 1 44 37 | 25°49'21 | 20°26 | 29°46 | 14°25 | 28°38 | 15° 0 | 22°15 | 26° 6 | 24°40 | 20°42 | 1°R59 | 3°14 | 19°49 | n.a. | M 4 |
| T 5 | 1 48 33 | 26°50'40 | 2♒17 | 1♏21 | 14° 3 | 29°13 | 15°14 | 22°22 | 26° 6 | 24°42 | 20°42 | 1°59 | 3°11 | 19°55 | n.a. | T 5 |
| W 6 | 1 52 30 | 27°51'59 | 14°14 | 2°57 | 13°39 | 29°48 | 15°27 | 22°29 | 26° 5 | 24°44 | 20°42 | 1°57 | 3° 8 | 20° 2 | n.a. | W 6 |
| T 7 | 1 56 26 | 28°53'18 | 26°22 | 4°33 | 13°13 | 0♒23 | 15°41 | 22°36 | 26° 4 | 24°46 | 20°42 | 1°54 | 3° 5 | 20° 9 | n.a. | T 7 |
| F 8 | 2 0 23 | 29°54'37 | 8♓45 | 6° 8 | 12°45 | 0°58 | 15°55 | 22°43 | 26° 3 | 24°48 | 20°42 | 1°50 | 3° 1 | 20°16 | n.a. | F 8 |
| S 9 | 2 4 19 | 0♏55'56 | 21°25 | 7°45 | 12°15 | 1°33 | 16° 8 | 22°50 | 26° 1 | 24°50 | 20°R42 | 1°44 | 2°58 | 20°22 | n.a. | S 9 |
| S 10 | 2 8 16 | 1°57'15 | 4♈26 | 9°21 | 11°43 | 2° 8 | 16°22 | 22°56 | 26° 0 | 24°52 | 20°42 | 1°39 | 2°55 | 20°29 | n.a. | S 10 |
| M11 | 2 12 12 | 2°58'33 | 17°46 | 10°57 | 11°10 | 2°43 | 16°36 | 23° 3 | 25°59 | 24°54 | 20°42 | 1°34 | 2°52 | 20°36 | n.a. | M11 |
| T 12 | 2 16 9 | 3°59'52 | 1♉26 | 12°34 | 10°35 | 3°19 | 16°50 | 23°10 | 25°58 | 24°55 | 20°42 | 1°31 | 2°49 | 20°42 | n.a. | T 12 |
| W13 | 2 20 6 | 5° 1'11 | 15°21 | 14°11 | 10° 0 | 3°54 | 17° 4 | 23°17 | 25°56 | 24°57 | 20°42 | 1°28 | 2°46 | 20°49 | n.a. | W13 |
| T 14 | 2 24 2 | 6° 2'30 | 29°29 | 15°47 | 9°24 | 4°30 | 17°18 | 23°24 | 25°55 | 24°59 | 20°42 | 1°D27 | 2°42 | 20°56 | n.a. | T 14 |
| F 15 | 2 27 59 | 7° 3'50 | 13♊45 | 17°24 | 8°47 | 5° 6 | 17°32 | 23°31 | 25°54 | 25° 1 | 20°42 | 1°28 | 2°39 | 21° 2 | n.a. | F 15 |
| S 16 | 2 31 55 | 8° 5'09 | 28° 4 | 19° 1 | 8°11 | 5°41 | 17°45 | 23°38 | 25°52 | 25° 3 | 20°41 | 1°29 | 2°36 | 21° 9 | n.a. | S 16 |
| S 17 | 2 35 52 | 9° 6'28 | 12♋23 | 20°38 | 7°34 | 6°17 | 17°59 | 23°45 | 25°51 | 25° 4 | 20°41 | 1°31 | 2°33 | 21°16 | n.a. | S 17 |
| M18 | 2 39 48 | 10° 7'48 | 26°39 | 22°15 | 6°57 | 6°53 | 18°13 | 23°51 | 25°49 | 25° 6 | 20°41 | 1°32 | 2°30 | 21°22 | n.a. | M18 |
| T 19 | 2 43 45 | 11° 9'08 | 10♌50 | 23°52 | 6°22 | 7°29 | 18°27 | 23°58 | 25°48 | 25° 8 | 20°41 | 1°R32 | 2°26 | 21°29 | n.a. | T 19 |
| W20 | 2 47 42 | 12°10'27 | 24°52 | 25°28 | 5°46 | 8° 5 | 18°41 | 24° 5 | 25°46 | 25°10 | 20°40 | 1°32 | 2°23 | 21°36 | n.a. | W20 |
| T 21 | 2 51 38 | 13°11'47 | 8♍46 | 27° 4 | 5°12 | 8°41 | 18°55 | 24°12 | 25°44 | 25°11 | 20°40 | 1°30 | 2°20 | 21°43 | n.a. | T 21 |
| F 22 | 2 55 35 | 14°13'07 | 22°30 | 28°40 | 4°40 | 9°18 | 19° 9 | 24°19 | 25°42 | 25°13 | 20°40 | 1°28 | 2°17 | 21°49 | n.a. | F 22 |
| S 23 | 2 59 31 | 15°14'26 | 6♎ 2 | 0♐14 | 4° 8 | 9°54 | 19°23 | 24°25 | 25°41 | 25°14 | 20°39 | 1°26 | 2°14 | 21°56 | n.a. | S 23 |
| S 24 | 3 3 28 | 16°15'45 | 19°21 | 1°48 | 3°39 | 10°30 | 19°37 | 24°32 | 25°39 | 25°16 | 20°39 | 1°24 | 2°11 | 22° 3 | n.a. | S 24 |
| M25 | 3 7 24 | 17°17'04 | 2♏27 | 3°21 | 3°11 | 11° 7 | 19°51 | 24°39 | 25°37 | 25°18 | 20°38 | 1°22 | 2° 7 | 22° 9 | n.a. | M25 |
| T 26 | 3 11 21 | 18°18'23 | 15°19 | 4°52 | 2°45 | 11°43 | 20° 5 | 24°45 | 25°35 | 25°19 | 20°38 | 1°20 | 2° 4 | 22°16 | n.a. | T 26 |
| W27 | 3 15 17 | 19°19'41 | 27°57 | 6°21 | 2°21 | 12°20 | 20°20 | 24°52 | 25°33 | 25°21 | 20°37 | 1°D20 | 2° 1 | 22°23 | n.a. | W27 |
| T 28 | 3 19 14 | 20°20'58 | 10♐21 | 7°48 | 2° 0 | 12°56 | 20°34 | 24°58 | 25°31 | 25°22 | 20°37 | 1°20 | 1°58 | 22°29 | n.a. | T 28 |
| F 29 | 3 23 11 | 21°22'15 | 22°32 | 9°13 | 1°40 | 13°33 | 20°48 | 25° 5 | 25°29 | 25°24 | 20°36 | 1°21 | 1°55 | 22°36 | n.a. | F 29 |
| S 30 | 3 27 7 | 22♏23'31 | 4♉34 | 10♐34 | 1♏24 | 14♒10 | 21♏ 2 | 25♎11 | 25♊27 | 25♍25 | 20♋35 | 1♐22 | 1♐51 | 22♉43 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 9s 1 | 21s53 | 1n 9 | 10s51 | 1s 4 | 20s23 | 3s48 | 22s54 | 1s45 | 16s12 | 0n16 | 6s51 | 2n 0 | 24n16 | 0n24 | 4n 5 | 2n 4 | 35n53 | 13n47 | 20s58 | 21s15 | 18s48 | | n.a. |
| S 2 | 9 25 | 21 42 | 2 11 | 11 32 | 1 9 | 20 9 | 3 39 | 22 45 | 1 43 | 16 16 | 0 16 | 6 54 | 2 0 | 24 16 | 0 24 | 4 4 | 2 4 | 35 54 | 13 47 | 20 58 | 21 15 | 18 47 | | n.a. |
| S 3 | 9 48 | 20 32 | 3 7 | 12 12 | 1 15 | 19 54 | 3 29 | 22 36 | 1 41 | 16 20 | 0 16 | 6 57 | 2 0 | 24 16 | 0 24 | 4 4 | 2 4 | 35 54 | 13 48 | 20 58 | 21 14 | 18 45 | | n.a. |
| M 4 | 10 10 | 18 28 | 3 54 | 12 51 | 1 20 | 19 38 | 3 18 | 22 27 | 1 39 | 16 25 | 0 16 | 6 59 | 2 0 | 24 16 | 0 24 | 4 3 | 2 4 | 35 55 | 13 48 | 20 58 | 21 14 | 18 43 | | n.a. |
| T 5 | 10 33 | 15 38 | 4 32 | 13 30 | 1 25 | 19 20 | 3 6 | 22 18 | 1 37 | 16 29 | 0 16 | 7 2 | 2 0 | 24 16 | 0 24 | 4 2 | 2 4 | 35 55 | 13 49 | 20 58 | 21 13 | 18 42 | | n.a. |
| W 6 | 10 56 | 12 9 | 4 58 | 14 8 | 1 30 | 19 1 | 2 55 | 22 9 | 1 35 | 16 33 | 0 16 | 7 5 | 1 59 | 24 16 | 0 24 | 4 1 | 2 4 | 35 56 | 13 49 | 20 58 | 21 12 | 18 40 | | n.a. |
| T 7 | 11 18 | 8 7 | 5 11 | 14 46 | 1 34 | 18 41 | 2 42 | 21 59 | 1 33 | 16 37 | 0 16 | 7 7 | 1 59 | 24 16 | 0 24 | 4 1 | 2 4 | 35 56 | 13 50 | 20 58 | 21 12 | 18 39 | | n.a. |
| F 8 | 11 40 | 3 40 | 5 10 | 15 23 | 1 39 | 18 20 | 2 29 | 21 50 | 1 31 | 16 41 | 0 15 | 7 10 | 1 59 | 24 16 | 0 24 | 4 0 | 2 4 | 35 57 | 13 50 | 20 57 | 21 11 | 18 37 | | n.a. |
| S 9 | 12 2 | 1n 2 | 4 54 | 15 59 | 1 43 | 17 58 | 2 16 | 21 40 | 1 29 | 16 45 | 0 15 | 7 12 | 1 59 | 24 16 | 0 24 | 3 59 | 2 4 | 35 57 | 13 51 | 20 56 | 21 10 | 18 36 | | n.a. |
| S 10 | 12 24 | 5 48 | 4 23 | 16 35 | 1 47 | 17 35 | 2 2 | 21 30 | 1 27 | 16 50 | 0 15 | 7 15 | 1 59 | 24 16 | 0 25 | 3 58 | 2 4 | 35 58 | 13 51 | 20 54 | 21 10 | 18 34 | | n.a. |
| M11 | 12 45 | 10 26 | 3 37 | 17 9 | 1 50 | 17 11 | 1 47 | 21 20 | 1 26 | 16 54 | 0 15 | 7 18 | 1 59 | 24 16 | 0 25 | 3 58 | 2 4 | 35 58 | 13 52 | 20 53 | 21 9 | 18 32 | | n.a. |
| T 12 | 13 6 | 14 40 | 2 37 | 17 43 | 1 54 | 16 46 | 1 33 | 21 10 | 1 24 | 16 58 | 0 15 | 7 20 | 1 59 | 24 16 | 0 25 | 3 57 | 2 4 | 35 59 | 13 52 | 20 53 | 21 9 | 18 31 | | n.a. |
| W13 | 13 27 | 18 9 | 1 27 | 18 16 | 1 57 | 16 20 | 1 18 | 21 0 | 1 22 | 17 2 | 0 15 | 7 23 | 1 59 | 24 16 | 0 25 | 3 56 | 2 4 | 35 59 | 13 53 | 20 52 | 21 8 | 18 29 | | n.a. |
| T 14 | 13 48 | 20 37 | 0 11 | 18 48 | 1 59 | 15 54 | 1 3 | 20 49 | 1 20 | 17 6 | 0 15 | 7 25 | 1 59 | 24 16 | 0 25 | 3 56 | 2 4 | 36 0 | 13 53 | 20 52 | 21 7 | 18 28 | | n.a. |
| F 15 | 14 9 | 21 48 | 1s 7 | 19 19 | 2 2 | 15 28 | 0 47 | 20 39 | 1 19 | 17 10 | 0 15 | 7 28 | 1 59 | 24 16 | 0 25 | 3 55 | 2 4 | 36 0 | 13 54 | 20 52 | 21 7 | 18 26 | | n.a. |
| S 16 | 14 29 | 21 33 | 2 21 | 19 48 | 2 4 | 15 1 | 0 32 | 20 28 | 1 17 | 17 14 | 0 14 | 7 31 | 1 59 | 24 16 | 0 25 | 3 54 | 2 4 | 36 1 | 13 54 | 20 52 | 21 6 | 18 24 | | n.a. |
| S 17 | 14 49 | 19 54 | 3 27 | 20 17 | 2 5 | 14 34 | 0 16 | 20 17 | 1 15 | 17 18 | 0 14 | 7 33 | 1 59 | 24 16 | 0 25 | 3 54 | 2 4 | 36 1 | 13 55 | 20 53 | 21 5 | 18 23 | | n.a. |
| M18 | 15 9 | 17 1 | 4 19 | 20 44 | 2 6 | 14 7 | 0 1 | 20 7 | 1 14 | 17 22 | 0 14 | 7 36 | 1 59 | 24 16 | 0 25 | 3 53 | 2 4 | 36 2 | 13 55 | 20 53 | 21 5 | 18 21 | | n.a. |
| T 19 | 15 29 | 13 8 | 4 55 | 21 10 | 2 7 | 13 41 | 0n15 | 19 56 | 1 12 | 17 27 | 0 14 | 7 38 | 1 59 | 24 16 | 0 25 | 3 52 | 2 5 | 36 2 | 13 56 | 20 53 | 21 4 | 18 20 | | n.a. |
| W20 | 15 48 | 8 35 | 5 13 | 21 34 | 2 7 | 13 14 | 0 30 | 19 44 | 1 10 | 17 31 | 0 14 | 7 41 | 1 59 | 24 16 | 0 25 | 3 52 | 2 5 | 36 3 | 13 56 | 20 53 | 21 3 | 18 18 | | n.a. |
| T 21 | 16 7 | 3 37 | 5 13 | 21 57 | 2 7 | 12 49 | 0 45 | 19 33 | 1 9 | 17 35 | 0 14 | 7 43 | 1 59 | 24 16 | 0 25 | 3 51 | 2 5 | 36 3 | 13 57 | 20 53 | 21 3 | 18 16 | | n.a. |
| F 22 | 16 26 | 1s28 | 4 55 | 22 18 | 2 6 | 12 24 | 1 0 | 19 22 | 1 7 | 17 39 | 0 14 | 7 46 | 1 59 | 24 16 | 0 25 | 3 50 | 2 5 | 36 4 | 13 57 | 20 52 | 21 2 | 18 15 | | n.a. |
| S 23 | 16 44 | 6 24 | 4 20 | 22 38 | 2 4 | 11 59 | 1 15 | 19 10 | 1 5 | 17 43 | 0 14 | 7 48 | 1 59 | 24 16 | 0 25 | 3 50 | 2 5 | 36 4 | 13 58 | 20 52 | 21 2 | 18 13 | | n.a. |
| S 24 | 17 2 | 10 59 | 3 32 | 22 55 | 2 2 | 11 36 | 1 29 | 18 59 | 1 4 | 17 47 | 0 14 | 7 51 | 2 0 | 24 16 | 0 25 | 3 49 | 2 5 | 36 5 | 13 58 | 20 51 | 21 1 | 18 11 | | n.a. |
| M25 | 17 20 | 14 57 | 2 33 | 23 11 | 1 58 | 11 13 | 1 42 | 18 47 | 1 2 | 17 51 | 0 13 | 7 53 | 2 0 | 24 16 | 0 25 | 3 49 | 2 5 | 36 5 | 13 59 | 20 51 | 21 0 | 18 10 | | n.a. |
| T 26 | 17 37 | 18 9 | 1 28 | 23 25 | 1 55 | 10 52 | 1 56 | 18 35 | 1 1 | 17 55 | 0 13 | 7 56 | 2 0 | 24 16 | 0 25 | 3 48 | 2 5 | 36 6 | 13 59 | 20 51 | 21 0 | 18 8 | | n.a. |
| W27 | 17 55 | 20 24 | 0 19 | 23 37 | 1 50 | 10 31 | 2 9 | 18 23 | 0 59 | 17 58 | 0 13 | 7 58 | 2 0 | 24 16 | 0 25 | 3 47 | 2 5 | 36 6 | 14 0 | 20 50 | 20 59 | 18 7 | | n.a. |
| T 28 | 18 12 | 21 38 | 0n50 | 23 46 | 1 45 | 10 12 | 2 21 | 18 11 | 0 58 | 18 2 | 0 13 | 8 0 | 2 0 | 24 16 | 0 25 | 3 47 | 2 5 | 36 7 | 14 0 | 20 50 | 20 58 | 18 5 | | n.a. |
| F 29 | 18 28 | 21 48 | 1 55 | 23 54 | 1 38 | 9 55 | 2 33 | 17 59 | 0 56 | 18 6 | 0 13 | 8 3 | 2 0 | 24 16 | 0 25 | 3 46 | 2 5 | 36 8 | 14 1 | 20 51 | 20 58 | 18 3 | | n.a. |
| S 30 | 18s44 | 20s56 | 2n54 | 23s59 | 1s31 | 9s38 | 2n44 | 17s47 | 0s55 | 18s10 | 0n13 | 8s 5 | 2n 0 | 24n16 | 0n25 | 3n46 | 2n 5 | 36n 8 | 14n 1 | 20s51 | 20s57 | 18s 2 | | n.a. |

Julian Day Number = 994514.5, Delta T = 12h58m31s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'41, Lahiri = -31°23'41 Julian Calendar 1 Nov. 1991 BCE == Greg. Calendar 15 Oct. 1991 BCE


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# ASTRODIENST EPHEMERIS for the year 1991 BCE
# geocentric

## DECEMBER 1991 BCE (-1990) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 31 4 | 23♏24'46 | 16♉28 | 11♐52 | 1°R 9 | 14♒47 | 21♏16 | 25♎18 | 25°R25 | 25♍27 | 20°R35 | 1♐22 | 1♐48 | 22♉49 | n.a. | S 1 |
| M 2 | 3 35 0 | 24°26'00 | 28°18 | 13° 5 | 0♏57 | 15°23 | 21°30 | 25°24 | 25♊23 | 25°28 | 20♋34 | 1°23 | 1°45 | 22°56 | n.a. | M 2 |
| T 3 | 3 38 57 | 25°27'13 | 10♒ 9 | 14°13 | 0°48 | 16° 0 | 21°44 | 25°31 | 25°21 | 25°29 | 20°33 | 1°24 | 1°42 | 23° 3 | n.a. | T 3 |
| W 4 | 3 42 53 | 26°28'25 | 22° 4 | 15°15 | 0°41 | 16°37 | 21°58 | 25°37 | 25°19 | 25°31 | 20°33 | 1°R24 | 1°39 | 23°10 | n.a. | W 4 |
| T 5 | 3 46 50 | 27°29'36 | 4♓10 | 16°11 | 0°36 | 17°14 | 22°12 | 25°43 | 25°16 | 25°32 | 20°32 | 1°24 | 1°36 | 23°16 | n.a. | T 5 |
| F 6 | 3 50 47 | 28°30'46 | 16°30 | 16°59 | 0°D34 | 17°51 | 22°26 | 25°50 | 25°14 | 25°33 | 20°31 | 1°24 | 1°32 | 23°23 | n.a. | F 6 |
| S 7 | 3 54 43 | 29°31'54 | 29° 8 | 17°39 | 0°35 | 18°28 | 22°40 | 25°56 | 25°12 | 25°34 | 20°30 | 1°24 | 1°29 | 23°30 | n.a. | S 7 |
| S 8 | 3 58 40 | 0♐33'02 | 12♈ 9 | 18° 9 | 0°37 | 19° 6 | 22°54 | 26° 2 | 25°10 | 25°36 | 20°29 | 1°24 | 1°26 | 23°36 | n.a. | S 8 |
| M 9 | 4 2 36 | 1°34'08 | 25°33 | 18°29 | 0°43 | 19°43 | 23° 8 | 26° 8 | 25° 7 | 25°37 | 20°28 | 1°D23 | 1°23 | 23°43 | n.a. | M 9 |
| T 10 | 4 6 33 | 2°35'13 | 9♉23 | 18°R39 | 0°50 | 20°20 | 23°22 | 26°14 | 25° 5 | 25°38 | 20°27 | 1°24 | 1°20 | 23°50 | n.a. | T 10 |
| W11 | 4 10 29 | 3°36'16 | 23°35 | 18°37 | 1° 0 | 20°57 | 23°36 | 26°20 | 25° 3 | 25°39 | 20°26 | 1°24 | 1°17 | 23°56 | n.a. | W11 |
| T 12 | 4 14 26 | 4°37'19 | 8♊ 5 | 18°24 | 1°12 | 21°35 | 23°50 | 26°26 | 25° 0 | 25°40 | 20°26 | 1°R24 | 1°13 | 24° 3 | n.a. | T 12 |
| F 13 | 4 18 22 | 5°38'21 | 22°49 | 17°59 | 1°26 | 22°12 | 24° 4 | 26°32 | 24°58 | 25°41 | 20°25 | 1°23 | 1°10 | 24°10 | n.a. | F 13 |
| S 14 | 4 22 19 | 6°39'21 | 7♋38 | 17°24 | 1°42 | 22°49 | 24°18 | 26°38 | 24°55 | 25°42 | 20°24 | 1°23 | 1° 7 | 24°16 | n.a. | S 14 |
| S 15 | 4 26 16 | 7°40'21 | 22°25 | 16°38 | 2° 1 | 23°27 | 24°32 | 26°44 | 24°53 | 25°43 | 20°22 | 1°22 | 1° 4 | 24°23 | n.a. | S 15 |
| M16 | 4 30 12 | 8°41'19 | 7♌ 4 | 15°43 | 2°21 | 24° 4 | 24°45 | 26°50 | 24°50 | 25°44 | 20°21 | 1°22 | 1° 1 | 24°30 | n.a. | M16 |
| T 17 | 4 34 9 | 9°42'16 | 21°29 | 14°40 | 2°43 | 24°41 | 24°59 | 26°56 | 24°48 | 25°45 | 20°20 | 1°21 | 0°57 | 24°37 | n.a. | T 17 |
| W18 | 4 38 5 | 10°43'12 | 5♍37 | 13°32 | 3° 8 | 25°19 | 25°13 | 27° 1 | 24°45 | 25°46 | 20°19 | 1°D20 | 0°54 | 24°43 | n.a. | W18 |
| T 19 | 4 42 2 | 11°44'08 | 19°26 | 12°20 | 3°33 | 25°56 | 25°27 | 27° 7 | 24°43 | 25°47 | 20°18 | 1°21 | 0°51 | 24°50 | n.a. | T 19 |
| F 20 | 4 45 58 | 12°45'02 | 2♎57 | 11° 7 | 4° 1 | 26°34 | 25°41 | 27°13 | 24°40 | 25°48 | 20°17 | 1°21 | 0°48 | 24°57 | n.a. | F 20 |
| S 21 | 4 49 55 | 13°45'55 | 16°10 | 9°54 | 4°30 | 27°12 | 25°54 | 27°18 | 24°38 | 25°49 | 20°16 | 1°22 | 0°45 | 25° 3 | n.a. | S 21 |
| S 22 | 4 53 52 | 14°46'46 | 29° 7 | 8°43 | 5° 1 | 27°49 | 26° 8 | 27°24 | 24°35 | 25°49 | 20°15 | 1°23 | 0°42 | 25°10 | n.a. | S 22 |
| M23 | 4 57 48 | 15°47'37 | 11♏50 | 7°37 | 5°33 | 28°27 | 26°22 | 27°29 | 24°33 | 25°50 | 20°13 | 1°24 | 0°38 | 25°17 | n.a. | M23 |
| T 24 | 5 1 45 | 16°48'26 | 24°21 | 6°36 | 6° 7 | 29° 4 | 26°36 | 27°34 | 24°30 | 25°51 | 20°12 | 1°25 | 0°35 | 25°23 | n.a. | T 24 |
| W25 | 5 5 41 | 17°49'14 | 6♐41 | 5°42 | 6°42 | 29°42 | 26°49 | 27°40 | 24°27 | 25°52 | 20°11 | 1°R25 | 0°32 | 25°30 | n.a. | W25 |
| T 26 | 5 9 38 | 18°50'00 | 18°51 | 4°56 | 7°19 | 0♓20 | 27° 3 | 27°45 | 24°25 | 25°52 | 20°10 | 1°24 | 0°29 | 25°37 | n.a. | T 26 |
| F 27 | 5 13 34 | 19°50'45 | 0♉54 | 4°17 | 7°57 | 0°58 | 27°16 | 27°50 | 24°22 | 25°53 | 20° 8 | 1°23 | 0°26 | 25°44 | n.a. | F 27 |
| S 28 | 5 17 31 | 20°51'28 | 12°51 | 3°46 | 8°36 | 1°35 | 27°30 | 27°55 | 24°20 | 25°53 | 20° 7 | 1°20 | 0°23 | 25°50 | n.a. | S 28 |
| S 29 | 5 21 27 | 21°52'09 | 24°43 | 3°24 | 9°16 | 2°13 | 27°43 | 28° 0 | 24°17 | 25°54 | 20° 6 | 1°16 | 0°19 | 25°57 | n.a. | S 29 |
| M30 | 5 25 24 | 22°52'49 | 6♒33 | 3° 9 | 9°57 | 2°51 | 27°57 | 28° 5 | 24°14 | 25°54 | 20° 4 | 1°13 | 0°16 | 26° 4 | n.a. | M30 |
| T 31 | 5 29 21 | 23♐53'26 | 18♒24 | 3°D 2 | 10♏39 | 3♓29 | 28♏10 | 28♎10 | 24♊12 | 25♍55 | 20♋ 3 | 1♐ 9 | 0♐13 | 26♉10 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 19s 0 | 19s10 | 3n45 | 24s 2 | 1s22 | 9s23 | 2n55 | 17s35 | 0s53 | 18s14 | 0n13 | 8s 8 | 2n 0 | 24n15 | 0n25 | 3n45 | 2n 5 | 36n 9 | 14n 1 | 20s51 | 20s56 | 18s 0 | | n.a. | |
| M 2 | 19 16 | 16 34 | 4 26 | 24 2 | 1 13 | 9 9 | 3 5 | 17 22 | 0 52 | 18 18 | 0 13 | 8 10 | 2 0 | 24 15 | 0 25 | 3 45 | 2 5 | 36 9 | 14 2 | 20 51 | 20 56 | 17 58 | | n.a. | |
| T 3 | 19 31 | 13 18 | 4 56 | 24 0 | 1 2 | 8 57 | 3 15 | 17 10 | 0 51 | 18 22 | 0 13 | 8 12 | 2 0 | 24 15 | 0 25 | 3 44 | 2 5 | 36 10 | 14 2 | 20 51 | 20 55 | 17 57 | | n.a. | |
| W 4 | 19 45 | 9 30 | 5 13 | 23 56 | 0 51 | 8 46 | 3 24 | 16 57 | 0 49 | 18 26 | 0 12 | 8 14 | 2 0 | 24 15 | 0 25 | 3 44 | 2 5 | 36 10 | 14 3 | 20 51 | 20 54 | 17 55 | | n.a. | |
| T 5 | 20 0 | 5 16 | 5 17 | 23 49 | 0 38 | 8 36 | 3 32 | 16 44 | 0 48 | 18 29 | 0 12 | 8 17 | 2 0 | 24 15 | 0 25 | 3 43 | 2 5 | 36 11 | 14 3 | 20 51 | 20 54 | 17 53 | | n.a. | |
| F 6 | 20 14 | 0 44 | 5 7 | 23 40 | 0 24 | 8 28 | 3 40 | 16 31 | 0 46 | 18 33 | 0 12 | 8 19 | 2 0 | 24 15 | 0 25 | 3 43 | 2 6 | 36 11 | 14 4 | 20 51 | 20 53 | 17 52 | | n.a. | |
| S 7 | 20 27 | 3n56 | 4 41 | 23 29 | 0 9 | 8 21 | 3 48 | 16 18 | 0 45 | 18 37 | 0 12 | 8 21 | 2 0 | 24 15 | 0 25 | 3 42 | 2 6 | 36 12 | 14 4 | 20 51 | 20 52 | 17 50 | | n.a. | |
| S 8 | 20 41 | 8 34 | 4 1 | 23 16 | 0n 7 | 8 16 | 3 54 | 16 5 | 0 44 | 18 41 | 0 12 | 8 23 | 2 0 | 24 15 | 0 25 | 3 42 | 2 6 | 36 12 | 14 4 | 20 51 | 20 52 | 17 48 | | n.a. | |
| M 9 | 20 53 | 12 57 | 3 6 | 23 1 | 0 24 | 8 12 | 4 1 | 15 52 | 0 42 | 18 44 | 0 12 | 8 26 | 2 0 | 24 15 | 0 25 | 3 42 | 2 6 | 36 13 | 14 5 | 20 51 | 20 51 | 17 47 | | n.a. | |
| T 10 | 21 6 | 16 47 | 1 59 | 22 44 | 0 42 | 8 9 | 4 7 | 15 39 | 0 41 | 18 48 | 0 12 | 8 28 | 2 0 | 24 15 | 0 25 | 3 41 | 2 6 | 36 14 | 14 5 | 20 51 | 20 50 | 17 45 | | n.a. | |
| W11 | 21 18 | 19 44 | 0 43 | 22 25 | 1 0 | 8 7 | 4 12 | 15 26 | 0 40 | 18 52 | 0 12 | 8 30 | 2 0 | 24 15 | 0 25 | 3 41 | 2 6 | 36 14 | 14 6 | 20 51 | 20 50 | 17 43 | | n.a. | |
| T 12 | 21 29 | 21 29 | 0s37 | 22 5 | 1 19 | 8 7 | 4 17 | 15 12 | 0 38 | 18 55 | 0 12 | 8 32 | 2 0 | 24 15 | 0 25 | 3 40 | 2 6 | 36 15 | 14 6 | 20 51 | 20 49 | 17 42 | | n.a. | |
| F 13 | 21 41 | 21 47 | 1 56 | 21 44 | 1 38 | 8 8 | 4 21 | 14 59 | 0 37 | 18 59 | 0 11 | 8 34 | 2 0 | 24 15 | 0 25 | 3 40 | 2 6 | 36 15 | 14 6 | 20 51 | 20 48 | 17 40 | | n.a. | |
| S 14 | 21 51 | 20 34 | 3 8 | 21 22 | 1 57 | 8 10 | 4 25 | 14 45 | 0 36 | 19 3 | 0 11 | 8 36 | 2 1 | 24 15 | 0 25 | 3 40 | 2 6 | 36 16 | 14 7 | 20 51 | 20 48 | 17 38 | | n.a. | |
| S 15 | 22 2 | 17 57 | 4 7 | 20 59 | 2 15 | 8 13 | 4 29 | 14 31 | 0 35 | 19 6 | 0 11 | 8 38 | 2 1 | 24 15 | 0 25 | 3 39 | 2 6 | 36 16 | 14 7 | 20 51 | 20 47 | 17 37 | | n.a. | |
| M16 | 22 12 | 14 13 | 4 49 | 20 36 | 2 33 | 8 17 | 4 32 | 14 17 | 0 33 | 19 10 | 0 11 | 8 41 | 2 1 | 24 14 | 0 25 | 3 39 | 2 6 | 36 17 | 14 8 | 20 51 | 20 46 | 17 35 | | n.a. | |
| T 17 | 22 21 | 9 42 | 5 13 | 20 14 | 2 49 | 8 22 | 4 35 | 14 4 | 0 32 | 19 13 | 0 11 | 8 43 | 2 1 | 24 14 | 0 25 | 3 39 | 2 6 | 36 17 | 14 8 | 20 51 | 20 46 | 17 33 | | n.a. | |
| W18 | 22 30 | 4 45 | 5 16 | 19 51 | 3 3 | 8 28 | 4 37 | 13 50 | 0 31 | 19 17 | 0 11 | 8 45 | 2 1 | 24 14 | 0 25 | 3 38 | 2 6 | 36 18 | 14 8 | 20 51 | 20 45 | 17 31 | | n.a. | |
| T 19 | 22 39 | 0s21 | 5 2 | 19 30 | 3 15 | 8 35 | 4 40 | 13 36 | 0 30 | 19 20 | 0 11 | 8 47 | 2 1 | 24 14 | 0 25 | 3 38 | 2 6 | 36 19 | 14 9 | 20 51 | 20 44 | 17 30 | | n.a. | |
| F 20 | 22 47 | 5 19 | 4 30 | 19 10 | 3 26 | 8 42 | 4 41 | 13 21 | 0 29 | 19 24 | 0 11 | 8 48 | 2 1 | 24 14 | 0 25 | 3 38 | 2 6 | 36 19 | 14 9 | 20 51 | 20 44 | 17 28 | | n.a. | |
| S 21 | 22 55 | 9 56 | 3 45 | 18 52 | 3 33 | 8 51 | 4 43 | 13 7 | 0 27 | 19 27 | 0 11 | 8 50 | 2 1 | 24 14 | 0 25 | 3 38 | 2 7 | 36 20 | 14 9 | 20 51 | 20 43 | 17 26 | | n.a. | |
| S 22 | 23 2 | 14 1 | 2 50 | 18 36 | 3 39 | 9 0 | 4 44 | 12 53 | 0 26 | 19 30 | 0 10 | 8 52 | 2 1 | 24 14 | 0 25 | 3 37 | 2 7 | 36 20 | 14 10 | 20 51 | 20 42 | 17 25 | | n.a. | |
| M23 | 23 9 | 17 22 | 1 46 | 18 22 | 3 42 | 9 10 | 4 44 | 12 39 | 0 25 | 19 34 | 0 10 | 8 54 | 2 1 | 24 14 | 0 25 | 3 37 | 2 7 | 36 21 | 14 10 | 20 51 | 20 42 | 17 23 | | n.a. | |
| T 24 | 23 15 | 19 52 | 0 39 | 18 11 | 3 43 | 9 21 | 4 45 | 12 24 | 0 24 | 19 37 | 0 10 | 8 56 | 2 1 | 24 14 | 0 25 | 3 37 | 2 7 | 36 21 | 14 10 | 20 52 | 20 41 | 17 21 | | n.a. | |
| W25 | 23 21 | 21 23 | 0n29 | 18 3 | 3 42 | 9 33 | 4 45 | 12 10 | 0 23 | 19 40 | 0 10 | 8 58 | 2 2 | 24 14 | 0 25 | 3 37 | 2 7 | 36 22 | 14 11 | 20 52 | 20 40 | 17 19 | | n.a. | |
| T 26 | 23 26 | 21 52 | 1 35 | 17 58 | 3 39 | 9 45 | 4 45 | 11 55 | 0 22 | 19 44 | 0 10 | 9 0 | 2 2 | 24 14 | 0 26 | 3 36 | 2 7 | 36 22 | 14 11 | 20 51 | 20 40 | 17 18 | | n.a. | |
| F 27 | 23 31 | 21 19 | 2 36 | 17 55 | 3 34 | 9 57 | 4 45 | 11 40 | 0 21 | 19 47 | 0 10 | 9 2 | 2 2 | 24 13 | 0 26 | 3 36 | 2 7 | 36 23 | 14 11 | 20 51 | 20 39 | 17 16 | | n.a. | |
| S 28 | 23 36 | 19 49 | 3 29 | 17 56 | 3 28 | 10 10 | 4 44 | 11 26 | 0 20 | 19 50 | 0 10 | 9 3 | 2 2 | 24 13 | 0 26 | 3 36 | 2 7 | 36 23 | 14 12 | 20 50 | 20 38 | 17 14 | | n.a. | |
| S 29 | 23 40 | 17 28 | 4 13 | 17 58 | 3 21 | 10 24 | 4 43 | 11 11 | 0 19 | 19 53 | 0 10 | 9 5 | 2 2 | 24 13 | 0 26 | 3 36 | 2 7 | 36 24 | 14 12 | 20 50 | 20 38 | 17 13 | | n.a. | |
| M30 | 23 44 | 14 24 | 4 46 | 18 4 | 3 13 | 10 38 | 4 42 | 10 56 | 0 18 | 19 57 | 0 10 | 9 7 | 2 2 | 24 13 | 0 26 | 3 36 | 2 7 | 36 24 | 14 12 | 20 49 | 20 37 | 17 11 | | n.a. | |
| T 31 | 23s47 | 10s46 | 5n 7 | 18s11 | 3n 4 | 10s53 | 4n41 | 10s41 | 0s16 | 20s 0 | 0n10 | 9s 8 | 2n 2 | 24n13 | 0n26 | 3n36 | 2n 7 | 36n25 | 14n12 | 20s48 | 20s36 | 17s 9 | | n.a. | |

Julian Day Number = 994544.5, Delta T = 12h58m29s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'37, Lahiri = -31°23'37 Julian Calendar 1 Dec. 1991 BCE == Greg. Calendar 14 Nov. 1991 BCE

The year -1990 astronomical counting style corresponds to year 1991 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## JANUARY 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 33 17 | 24♐54'02 | 0♓20 | 3♐ 3 | 11♏23 | 4♓ 6 | 28♏23 | 28♎15 | 24°R 9 | 25♍55 | 20°R 2 | 1°R 6 | 0♐10 | 26♑17 | n.a. | W 1 |
| T 2 | 5 37 14 | 25°54'35 | 12°23 | 3°10 | 12° 7 | 4°44 | 28°37 | 28°20 | 24♊ 6 | 25°56 | 20♋ 0 | 1♐ 4 | 0° 7 | 26°24 | n.a. | T 2 |
| F 3 | 5 41 10 | 26°55'07 | 24°39 | 3°23 | 12°53 | 5°22 | 28°50 | 28°25 | 24° 4 | 25°56 | 19°59 | 1°D 3 | 0° 3 | 26°30 | n.a. | F 3 |
| S 4 | 5 45 7 | 27°55'36 | 7♈11 | 3°43 | 13°39 | 6° 0 | 29° 3 | 28°29 | 24° 1 | 25°56 | 19°57 | 1° 4 | 0° 0 | 26°37 | n.a. | S 4 |
| S 5 | 5 49 3 | 28°56'03 | 20° 5 | 4° 8 | 14°26 | 6°38 | 29°16 | 28°34 | 23°59 | 25°57 | 19°56 | 1° 5 | 29♏57 | 26°44 | n.a. | S 5 |
| M 6 | 5 53 0 | 29°56'28 | 3♉24 | 4°38 | 15°14 | 7°16 | 29°29 | 28°38 | 23°56 | 25°57 | 19°54 | 1° 6 | 29°54 | 26°51 | n.a. | M 6 |
| T 7 | 5 56 56 | 0♉56'51 | 17° 9 | 5°13 | 16° 3 | 7°54 | 29°42 | 28°43 | 23°53 | 25°57 | 19°53 | 1° 8 | 29°51 | 26°57 | n.a. | T 7 |
| W 8 | 6 0 53 | 1°57'12 | 1♊23 | 5°53 | 16°53 | 8°32 | 29°55 | 28°47 | 23°51 | 25°57 | 19°51 | 1°R 8 | 29°48 | 27° 4 | n.a. | W 8 |
| T 9 | 6 4 50 | 2°57'31 | 16° 1 | 6°36 | 17°43 | 9° 9 | 0♐ 8 | 28°51 | 23°48 | 25°58 | 19°50 | 1° 8 | 29°44 | 27°11 | n.a. | T 9 |
| F 10 | 6 8 46 | 3°57'48 | 1♋ 0 | 7°23 | 18°34 | 9°47 | 0°21 | 28°56 | 23°46 | 25°58 | 19°48 | 1° 5 | 29°41 | 27°17 | n.a. | F 10 |
| S 11 | 6 12 43 | 4°58'03 | 16°10 | 8°14 | 19°26 | 10°25 | 0°34 | 29° 0 | 23°43 | 25°58 | 19°47 | 1° 1 | 29°38 | 27°24 | n.a. | S 11 |
| S 12 | 6 16 39 | 5°58'16 | 1♌22 | 9° 8 | 20°19 | 11° 3 | 0°47 | 29° 4 | 23°40 | 25°58 | 19°45 | 0°56 | 29°35 | 27°31 | n.a. | S 12 |
| M13 | 6 20 36 | 6°58'27 | 16°25 | 10° 5 | 21°12 | 11°41 | 1° 0 | 29° 8 | 23°38 | 25°58 | 19°44 | 0°51 | 29°32 | 27°38 | n.a. | M13 |
| T 14 | 6 24 32 | 7°58'37 | 1♍11 | 11° 5 | 22° 6 | 12°19 | 1°12 | 29°12 | 23°35 | 25°R58 | 19°42 | 0°46 | 29°29 | 27°44 | n.a. | T 14 |
| W15 | 6 28 29 | 8°58'44 | 15°34 | 12° 7 | 23° 0 | 12°57 | 1°25 | 29°15 | 23°33 | 25°58 | 19°41 | 0°42 | 29°25 | 27°51 | n.a. | W15 |
| T 16 | 6 32 25 | 9°58'50 | 29°32 | 13°12 | 23°55 | 13°35 | 1°37 | 29°19 | 23°30 | 25°58 | 19°39 | 0°40 | 29°22 | 27°58 | n.a. | T 16 |
| F 17 | 6 36 22 | 10°58'54 | 13♎ 3 | 14°19 | 24°50 | 14°13 | 1°50 | 29°23 | 23°28 | 25°58 | 19°38 | 0°D40 | 29°19 | 28° 4 | n.a. | F 17 |
| S 18 | 6 40 19 | 11°58'56 | 26°10 | 15°28 | 25°47 | 14°51 | 2° 2 | 29°26 | 23°25 | 25°58 | 19°36 | 0°40 | 29°16 | 28°11 | n.a. | S 18 |
| S 19 | 6 44 15 | 12°58'56 | 8♏56 | 16°39 | 26°43 | 15°29 | 2°15 | 29°30 | 23°23 | 25°57 | 19°35 | 0°42 | 29°13 | 28°18 | n.a. | S 19 |
| M20 | 6 48 12 | 13°58'55 | 21°25 | 17°52 | 27°40 | 16° 7 | 2°27 | 29°33 | 23°20 | 25°57 | 19°33 | 0°43 | 29° 9 | 28°24 | n.a. | M20 |
| T 21 | 6 52 8 | 14°58'52 | 3♐41 | 19° 7 | 28°38 | 16°45 | 2°39 | 29°37 | 23°18 | 25°57 | 19°32 | 0°R44 | 29° 6 | 28°31 | n.a. | T 21 |
| W22 | 6 56 5 | 15°58'47 | 15°47 | 20°24 | 29°36 | 17°23 | 2°51 | 29°40 | 23°16 | 25°57 | 19°30 | 0°42 | 29° 3 | 28°38 | n.a. | W22 |
| T 23 | 7 0 1 | 16°58'39 | 27°47 | 21°42 | 0♐34 | 18° 1 | 3° 3 | 29°43 | 23°13 | 25°56 | 19°28 | 0°39 | 29° 0 | 28°45 | n.a. | T 23 |
| F 24 | 7 3 58 | 17°58'30 | 9♑41 | 23° 2 | 1°33 | 18°39 | 3°15 | 29°46 | 23°11 | 25°56 | 19°27 | 0°33 | 28°57 | 28°51 | n.a. | F 24 |
| S 25 | 7 7 54 | 18°58'19 | 21°33 | 24°23 | 2°32 | 19°17 | 3°27 | 29°49 | 23° 9 | 25°56 | 19°25 | 0°25 | 28°54 | 28°58 | n.a. | S 25 |
| S 26 | 7 11 51 | 19°58'05 | 3♒24 | 25°46 | 3°32 | 19°55 | 3°39 | 29°52 | 23° 6 | 25°55 | 19°24 | 0°16 | 28°50 | 29° 5 | n.a. | S 26 |
| M27 | 7 15 48 | 20°57'49 | 15°15 | 27°10 | 4°32 | 20°33 | 3°50 | 29°55 | 23° 4 | 25°55 | 19°22 | 0° 5 | 28°47 | 29°11 | n.a. | M27 |
| T 28 | 7 19 44 | 21°57'31 | 27° 9 | 28°36 | 5°32 | 21°11 | 4° 2 | 29°57 | 23° 2 | 25°54 | 19°20 | 29♏55 | 28°44 | 29°18 | n.a. | T 28 |
| W29 | 7 23 41 | 22°57'11 | 9♓ 7 | 0♑ 3 | 6°33 | 21°49 | 4°14 | 29°59 | 23° 0 | 25°54 | 19°19 | 29°47 | 28°41 | 29°25 | n.a. | W29 |
| T 30 | 7 27 37 | 23°56'48 | 21°13 | 1°32 | 7°33 | 22°27 | 4°25 | 0♏ 2 | 22°58 | 25°53 | 19°17 | 29°39 | 28°38 | 29°31 | n.a. | T 30 |
| F 31 | 7 31 34 | 24♑56'22 | 3♈28 | 3♑ 1 | 8♐35 | 23♓ 5 | 4♐36 | 0♏ 5 | 22♊56 | 25♍53 | 19♋16 | 29♏35 | 28♏35 | 29♑38 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 23 s49 | 6 s41 | 5n14 | 18 s21 | 2n54 | 11 s 7 | 4n39 | 10 s26 | 0 s15 | 20 s 3 | 0n 9 | 9 s10 | 2n 2 | 24n13 | 0n26 | 3n36 | 2n 7 | 36n25 | 14n13 | 20 s48 | 20 s36 | 17 s 7 | | | n.a. |
| T 2 | 23 51 | 2 19 | 5 8 | 18 32 | 2 44 | 11 23 | 4 38 | 10 11 | 0 14 | 20 6 | 0 9 | 9 12 | 2 2 | 24 13 | 0 26 | 3 35 | 2 7 | 36 26 | 14 13 | 20 47 | 20 35 | 17 6 | | | n.a. |
| F 3 | 23 53 | 2n14 | 4 48 | 18 45 | 2 33 | 11 38 | 4 36 | 9 56 | 0 13 | 20 9 | 0 9 | 9 13 | 2 3 | 24 13 | 0 26 | 3 35 | 2 7 | 36 26 | 14 13 | 20 47 | 20 34 | 17 4 | | | n.a. |
| S 4 | 23 54 | 6 47 | 4 14 | 18 59 | 2 23 | 11 54 | 4 34 | 9 41 | 0 12 | 20 12 | 0 9 | 9 15 | 2 3 | 24 13 | 0 26 | 3 35 | 2 8 | 36 27 | 14 13 | 20 47 | 20 34 | 17 2 | | | n.a. |
| S 5 | 23 55 | 11 11 | 3 27 | 19 15 | 2 12 | 12 10 | 4 32 | 9 26 | 0 11 | 20 15 | 0 9 | 9 16 | 2 3 | 24 12 | 0 26 | 3 35 | 2 8 | 36 27 | 14 14 | 20 47 | 20 33 | 17 0 | | | n.a. |
| M 6 | 23 55 | 15 11 | 2 26 | 19 31 | 2 1 | 12 27 | 4 29 | 9 11 | 0 10 | 20 18 | 0 9 | 9 18 | 2 3 | 24 12 | 0 26 | 3 35 | 2 8 | 36 28 | 14 14 | 20 48 | 20 32 | 16 59 | | | n.a. |
| T 7 | 23 55 | 18 30 | 1 16 | 19 48 | 1 50 | 12 43 | 4 27 | 8 55 | 0 9 | 20 21 | 0 9 | 9 19 | 2 3 | 24 12 | 0 26 | 3 35 | 2 8 | 36 28 | 14 14 | 20 48 | 20 32 | 16 57 | | | n.a. |
| W 8 | 23 54 | 20 50 | 0 s 1 | 20 6 | 1 39 | 13 0 | 4 24 | 8 40 | 0 8 | 20 24 | 0 9 | 9 21 | 2 3 | 24 12 | 0 26 | 3 35 | 2 8 | 36 29 | 14 14 | 20 48 | 20 31 | 16 55 | | | n.a. |
| T 9 | 23 53 | 21 50 | 1 21 | 20 25 | 1 28 | 13 17 | 4 21 | 8 25 | 0 8 | 20 27 | 0 9 | 9 22 | 2 3 | 24 12 | 0 26 | 3 35 | 2 8 | 36 29 | 14 15 | 20 48 | 20 30 | 16 53 | | | n.a. |
| F 10 | 23 52 | 21 19 | 2 36 | 20 43 | 1 17 | 13 34 | 4 18 | 8 9 | 0 7 | 20 30 | 0 8 | 9 24 | 2 3 | 24 12 | 0 26 | 3 35 | 2 8 | 36 30 | 14 15 | 20 47 | 20 29 | 16 52 | | | n.a. |
| S 11 | 23 50 | 19 16 | 3 41 | 21 2 | 1 6 | 13 51 | 4 15 | 7 54 | 0 6 | 20 33 | 0 8 | 9 25 | 2 4 | 24 12 | 0 26 | 3 35 | 2 8 | 36 30 | 14 15 | 20 47 | 20 29 | 16 50 | | | n.a. |
| S 12 | 23 47 | 15 51 | 4 31 | 21 21 | 0 56 | 14 8 | 4 12 | 7 38 | 0 5 | 20 35 | 0 8 | 9 26 | 2 4 | 24 12 | 0 26 | 3 35 | 2 8 | 36 30 | 14 15 | 20 46 | 20 28 | 16 48 | | | n.a. |
| M13 | 23 44 | 11 27 | 5 1 | 21 40 | 0 45 | 14 26 | 4 9 | 7 23 | 0 4 | 20 38 | 0 8 | 9 28 | 2 4 | 24 12 | 0 26 | 3 35 | 2 8 | 36 31 | 14 15 | 20 44 | 20 27 | 16 46 | | | n.a. |
| T 14 | 23 41 | 6 26 | 5 11 | 21 59 | 0 35 | 14 43 | 4 5 | 7 7 | 0 3 | 20 41 | 0 8 | 9 29 | 2 4 | 24 11 | 0 26 | 3 35 | 2 8 | 36 31 | 14 15 | 20 43 | 20 27 | 16 44 | | | n.a. |
| W15 | 23 37 | 1 11 | 5 1 | 22 17 | 0 25 | 15 0 | 4 1 | 6 51 | 0 2 | 20 44 | 0 8 | 9 30 | 2 4 | 24 11 | 0 26 | 3 35 | 2 8 | 36 32 | 14 16 | 20 43 | 20 26 | 16 43 | | | n.a. |
| T 16 | 23 32 | 3 s58 | 4 33 | 22 35 | 0 15 | 15 17 | 3 58 | 6 36 | 0 1 | 20 46 | 0 8 | 9 31 | 2 4 | 24 11 | 0 26 | 3 36 | 2 8 | 36 32 | 14 16 | 20 42 | 20 25 | 16 41 | | | n.a. |
| F 17 | 23 27 | 8 46 | 3 50 | 22 53 | 0 6 | 15 35 | 3 54 | 6 20 | 0 0 | 20 49 | 0 8 | 9 32 | 2 4 | 24 11 | 0 26 | 3 36 | 2 9 | 36 32 | 14 16 | 20 42 | 20 25 | 16 39 | | | n.a. |
| S 18 | 23 22 | 13 2 | 2 57 | 23 10 | 0 s 3 | 15 52 | 3 50 | 6 4 | 0n 1 | 20 52 | 0 8 | 9 34 | 2 5 | 24 11 | 0 26 | 3 36 | 2 9 | 36 33 | 14 16 | 20 42 | 20 24 | 16 37 | | | n.a. |
| S 19 | 23 16 | 16 35 | 1 56 | 23 27 | 0 12 | 16 9 | 3 46 | 5 49 | 0 2 | 20 54 | 0 8 | 9 35 | 2 5 | 24 11 | 0 26 | 3 36 | 2 9 | 36 33 | 14 16 | 20 42 | 20 23 | 16 36 | | | n.a. |
| M20 | 23 10 | 19 17 | 0 50 | 23 42 | 0 21 | 16 26 | 3 42 | 5 33 | 0 2 | 20 57 | 0 7 | 9 36 | 2 5 | 24 11 | 0 26 | 3 36 | 2 9 | 36 34 | 14 16 | 20 43 | 20 22 | 16 34 | | | n.a. |
| T 21 | 23 4 | 21 3 | 0n16 | 23 57 | 0 29 | 16 43 | 3 38 | 5 17 | 0 3 | 20 59 | 0 7 | 9 37 | 2 5 | 24 11 | 0 26 | 3 36 | 2 9 | 36 34 | 14 16 | 20 43 | 20 22 | 16 32 | | | n.a. |
| W22 | 22 57 | 21 49 | 1 21 | 24 11 | 0 38 | 16 59 | 3 34 | 5 1 | 0 4 | 21 2 | 0 7 | 9 38 | 2 5 | 24 10 | 0 26 | 3 36 | 2 9 | 36 34 | 14 17 | 20 43 | 20 21 | 16 30 | | | n.a. |
| T 23 | 22 49 | 21 33 | 2 21 | 24 25 | 0 45 | 17 16 | 3 30 | 4 45 | 0 5 | 21 4 | 0 7 | 9 39 | 2 5 | 24 10 | 0 26 | 3 37 | 2 9 | 36 35 | 14 17 | 20 42 | 20 20 | 16 28 | | | n.a. |
| F 24 | 22 41 | 20 20 | 3 14 | 24 37 | 0 53 | 17 32 | 3 25 | 4 29 | 0 6 | 21 7 | 0 7 | 9 40 | 2 5 | 24 10 | 0 26 | 3 37 | 2 9 | 36 35 | 14 17 | 20 41 | 20 20 | 16 27 | | | n.a. |
| S 25 | 22 33 | 18 13 | 3 59 | 24 48 | 1 0 | 17 48 | 3 21 | 4 13 | 0 7 | 21 9 | 0 7 | 9 41 | 2 6 | 24 10 | 0 26 | 3 37 | 2 9 | 36 35 | 14 17 | 20 39 | 20 19 | 16 25 | | | n.a. |
| S 26 | 22 24 | 15 21 | 4 33 | 24 58 | 1 7 | 18 4 | 3 17 | 3 58 | 0 7 | 21 12 | 0 7 | 9 42 | 2 6 | 24 10 | 0 26 | 3 37 | 2 9 | 36 36 | 14 17 | 20 37 | 20 18 | 16 23 | | | n.a. |
| M27 | 22 15 | 11 53 | 4 56 | 25 7 | 1 14 | 18 20 | 3 12 | 3 42 | 0 8 | 21 14 | 0 7 | 9 42 | 2 6 | 24 10 | 0 26 | 3 37 | 2 9 | 36 36 | 14 17 | 20 35 | 20 17 | 16 21 | | | n.a. |
| T 28 | 22 5 | 7 56 | 5 6 | 25 15 | 1 20 | 18 35 | 3 8 | 3 26 | 0 9 | 21 16 | 0 7 | 9 43 | 2 6 | 24 10 | 0 26 | 3 38 | 2 9 | 36 36 | 14 17 | 20 33 | 20 17 | 16 19 | | | n.a. |
| W29 | 21 55 | 3 39 | 5 2 | 25 21 | 1 26 | 18 50 | 3 3 | 3 10 | 0 10 | 21 19 | 0 6 | 9 44 | 2 6 | 24 10 | 0 26 | 3 38 | 2 9 | 36 37 | 14 17 | 20 31 | 20 16 | 16 18 | | | n.a. |
| T 30 | 21 45 | 0n48 | 4 45 | 25 26 | 1 31 | 19 5 | 2 58 | 2 54 | 0 10 | 21 21 | 0 6 | 9 45 | 2 6 | 24 9 | 0 26 | 3 38 | 2 9 | 36 37 | 14 17 | 20 29 | 20 15 | 16 16 | | | n.a. |
| F 31 | 21 s34 | 5n17 | 4n14 | 25 s29 | 1 s36 | 19 s19 | 2n54 | 2 s38 | 0n11 | 21 s23 | 0n 6 | 9 s45 | 2n 6 | 24n 9 | 0n26 | 3n39 | 2n 9 | 36n37 | 14n17 | 20 s28 | 20 s15 | 16 s14 | | | n.a. |

Julian Day Number = 994575.5, Delta T = 12h58m27s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'33, Lahiri = -31°23'33 Julian Calendar 1 Jan. 1990 BCE == Greg. Calendar 15 Dec. 1991 BCE


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## FEBRUARY 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 35 30 | 25♉55'54 | 15♈58 | 4♉32 | 9♐36 | 23♓43 | 4♐48 | 0♏ 7 | 22°R53 | 25°R52 | 19°R14 | 29°R32 | 28♏31 | 29♉45 | n.a. | S 1 |
| S 2 | 7 39 27 | 26°55'24 | 28°46 | 6° 5 | 10°38 | 24°21 | 4°59 | 0° 9 | 22♊51 | 25♍52 | 19♋13 | 29°D32 | 28°28 | 29°52 | n.a. | S 2 |
| M 3 | 7 43 23 | 27°54'51 | 11♉56 | 7°39 | 11°40 | 24°59 | 5°10 | 0°12 | 22°49 | 25°51 | 19°11 | 29♏32 | 28°25 | 29°58 | n.a. | M 3 |
| T 4 | 7 47 20 | 28°54'16 | 25°31 | 9°14 | 12°43 | 25°37 | 5°21 | 0°14 | 22°47 | 25°50 | 19°10 | 29°R33 | 28°22 | 0♒ 5 | n.a. | T 4 |
| W 5 | 7 51 16 | 29°53'38 | 9♊35 | 10°50 | 13°46 | 26°15 | 5°32 | 0°16 | 22°45 | 25°50 | 19° 8 | 29°33 | 28°19 | 0°12 | n.a. | W 5 |
| T 6 | 7 55 13 | 0♒52'58 | 24° 6 | 12°28 | 14°49 | 26°53 | 5°43 | 0°17 | 22°44 | 25°49 | 19° 6 | 29°30 | 28°15 | 0°18 | n.a. | T 6 |
| F 7 | 7 59 10 | 1°52'15 | 9♋ 2 | 14° 7 | 15°52 | 27°31 | 5°54 | 0°19 | 22°42 | 25°48 | 19° 5 | 29°26 | 28°12 | 0°25 | n.a. | F 7 |
| S 8 | 8 3 6 | 2°51'30 | 24°15 | 15°47 | 16°55 | 28° 9 | 6° 4 | 0°21 | 22°40 | 25°47 | 19° 3 | 29°18 | 28° 9 | 0°32 | n.a. | S 8 |
| S 9 | 8 7 3 | 3°50'43 | 9♌36 | 17°28 | 17°59 | 28°47 | 6°15 | 0°22 | 22°38 | 25°47 | 19° 2 | 29° 9 | 28° 6 | 0°39 | n.a. | S 9 |
| M10 | 8 10 59 | 4°49'53 | 24°52 | 19°11 | 19° 3 | 29°25 | 6°25 | 0°24 | 22°36 | 25°46 | 19° 0 | 29° 0 | 28° 3 | 0°45 | n.a. | M10 |
| T 11 | 8 14 56 | 5°49'02 | 9♍54 | 20°56 | 20° 7 | 0♈ 3 | 6°35 | 0°25 | 22°35 | 25°45 | 18°59 | 28°50 | 28° 0 | 0°52 | n.a. | T 11 |
| W12 | 8 18 52 | 6°48'08 | 24°32 | 22°41 | 21°12 | 0°41 | 6°46 | 0°27 | 22°33 | 25°44 | 18°57 | 28°42 | 27°56 | 0°59 | n.a. | W12 |
| T 13 | 8 22 49 | 7°47'12 | 8♎41 | 24°28 | 22°16 | 1°19 | 6°56 | 0°28 | 22°31 | 25°43 | 18°56 | 28°37 | 27°53 | 1° 5 | n.a. | T 13 |
| F 14 | 8 26 45 | 8°46'15 | 22°20 | 26°17 | 23°21 | 1°57 | 7° 6 | 0°29 | 22°30 | 25°42 | 18°54 | 28°34 | 27°50 | 1°12 | n.a. | F 14 |
| S 15 | 8 30 42 | 9°45'15 | 5♏31 | 28° 6 | 24°26 | 2°35 | 7°16 | 0°30 | 22°28 | 25°41 | 18°53 | 28°D32 | 27°47 | 1°19 | n.a. | S 15 |
| S 16 | 8 34 38 | 10°44'13 | 18°17 | 29°57 | 25°31 | 3°13 | 7°25 | 0°31 | 22°27 | 25°40 | 18°51 | 28°33 | 27°44 | 1°26 | n.a. | S 16 |
| M17 | 8 38 35 | 11°43'10 | 0♐43 | 1♒50 | 26°37 | 3°51 | 7°35 | 0°32 | 22°25 | 25°39 | 18°50 | 28°R33 | 27°40 | 1°32 | n.a. | M17 |
| T 18 | 8 42 32 | 12°42'05 | 12°53 | 3°44 | 27°42 | 4°29 | 7°45 | 0°32 | 22°24 | 25°38 | 18°49 | 28°32 | 27°37 | 1°39 | n.a. | T 18 |
| W19 | 8 46 28 | 13°40'58 | 24°52 | 5°39 | 28°48 | 5° 7 | 7°54 | 0°33 | 22°22 | 25°37 | 18°47 | 28°29 | 27°34 | 1°46 | n.a. | W19 |
| T 20 | 8 50 25 | 14°39'48 | 6♉45 | 7°36 | 29°54 | 5°45 | 8° 3 | 0°33 | 22°21 | 25°36 | 18°46 | 28°23 | 27°31 | 1°52 | n.a. | T 20 |
| F 21 | 8 54 21 | 15°38'37 | 18°36 | 9°34 | 1♉ 0 | 6°23 | 8°13 | 0°34 | 22°20 | 25°35 | 18°44 | 28°15 | 27°28 | 1°59 | n.a. | F 21 |
| S 22 | 8 58 18 | 16°37'24 | 0♒25 | 11°33 | 2° 6 | 7° 1 | 8°22 | 0°34 | 22°19 | 25°34 | 18°43 | 28° 4 | 27°25 | 2° 6 | n.a. | S 22 |
| S 23 | 9 2 14 | 17°36'09 | 12°17 | 13°34 | 3°12 | 7°39 | 8°31 | 0°34 | 22°17 | 25°32 | 18°42 | 27°51 | 27°21 | 2°13 | n.a. | S 23 |
| M24 | 9 6 11 | 18°34'51 | 24°12 | 15°36 | 4°19 | 8°17 | 8°39 | 0°35 | 22°16 | 25°31 | 18°40 | 27°37 | 27°18 | 2°19 | n.a. | M24 |
| T 25 | 9 10 7 | 19°33'31 | 6♓12 | 17°39 | 5°26 | 8°55 | 8°48 | 0°R35 | 22°15 | 25°30 | 18°39 | 27°23 | 27°15 | 2°26 | n.a. | T 25 |
| W26 | 9 14 4 | 20°32'09 | 18°18 | 19°43 | 6°32 | 9°33 | 8°57 | 0°34 | 22°14 | 25°29 | 18°38 | 27°10 | 27°12 | 2°33 | n.a. | W26 |
| T 27 | 9 18 0 | 21°30'45 | 0♈31 | 21°47 | 7°39 | 10°11 | 9° 5 | 0°34 | 22°13 | 25°27 | 18°36 | 27° 0 | 27° 9 | 2°39 | n.a. | T 27 |
| F 28 | 9 21 57 | 22♒29'19 | 12♈53 | 23♒53 | 8♉46 | 10♈49 | 9♐13 | 0♏34 | 22♊12 | 25♍26 | 18♋35 | 26♏52 | 27♏ 6 | 2♒46 | n.a. | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s23 | 9n39 | 3n32 | 25s31 | 1s41 | 19s33 | 2n49 | 2s22 | 0n12 | 21s25 | 0n 6 | 9s46 | 2n 7 | 24n 9 | 0n26 | 3n39 | 2n10 | 36n37 | 14n17 | 20s27 | 20s14 | 16s12 | | n.a. |
| S 2 | 21 12 | 13 41 | 2 37 | 25 32 | 1 45 | 19 47 | 2 44 | 2 6 | 0 13 | 21 28 | 0 6 | 9 47 | 2 7 | 24 9 | 0 26 | 3 39 | 2 10 | 36 38 | 14 17 | 20 27 | 20 13 | 16 10 | | n.a. |
| M 3 | 21 0 | 17 11 | 1 33 | 25 31 | 1 49 | 20 0 | 2 40 | 1 50 | 0 13 | 21 30 | 0 6 | 9 47 | 2 7 | 24 9 | 0 26 | 3 39 | 2 10 | 36 38 | 14 17 | 20 27 | 20 12 | 16 9 | | n.a. |
| T 4 | 20 47 | 19 53 | 0 22 | 25 28 | 1 53 | 20 13 | 2 35 | 1 34 | 0 14 | 21 32 | 0 6 | 9 48 | 2 7 | 24 9 | 0 26 | 3 40 | 2 10 | 36 38 | 14 17 | 20 28 | 20 12 | 16 7 | | n.a. |
| W 5 | 20 35 | 21 27 | 0s53 | 25 24 | 1 56 | 20 26 | 2 30 | 1 17 | 0 15 | 21 34 | 0 6 | 9 48 | 2 7 | 24 9 | 0 26 | 3 40 | 2 10 | 36 39 | 14 17 | 20 28 | 20 11 | 16 5 | | n.a. |
| T 6 | 20 22 | 21 40 | 2 7 | 25 18 | 1 59 | 20 38 | 2 25 | 1 1 | 0 16 | 21 36 | 0 6 | 9 49 | 2 7 | 24 9 | 0 26 | 3 40 | 2 10 | 36 39 | 14 17 | 20 27 | 20 10 | 16 3 | | n.a. |
| F 7 | 20 9 | 20 23 | 3 14 | 25 10 | 2 1 | 20 50 | 2 21 | 0 45 | 0 16 | 21 38 | 0 5 | 9 49 | 2 8 | 24 9 | 0 26 | 3 41 | 2 10 | 36 39 | 14 17 | 20 26 | 20 10 | 16 1 | | n.a. |
| S 8 | 19 55 | 17 37 | 4 9 | 25 1 | 2 3 | 21 1 | 2 16 | 0 29 | 0 17 | 21 40 | 0 5 | 9 50 | 2 8 | 24 8 | 0 26 | 3 41 | 2 10 | 36 39 | 14 17 | 20 24 | 20 9 | 15 59 | | n.a. |
| S 9 | 19 41 | 13 37 | 4 46 | 24 49 | 2 5 | 21 12 | 2 11 | 0 13 | 0 18 | 21 42 | 0 5 | 9 50 | 2 8 | 24 8 | 0 26 | 3 42 | 2 10 | 36 39 | 14 17 | 20 22 | 20 8 | 15 58 | | n.a. |
| M10 | 19 26 | 8 45 | 5 2 | 24 36 | 2 6 | 21 22 | 2 6 | 0n 3 | 0 18 | 21 44 | 0 5 | 9 51 | 2 8 | 24 8 | 0 26 | 3 42 | 2 10 | 36 40 | 14 17 | 20 20 | 20 7 | 15 56 | | n.a. |
| T 11 | 19 12 | 3 26 | 4 58 | 24 20 | 2 6 | 21 32 | 2 1 | 0 19 | 0 19 | 21 46 | 0 5 | 9 51 | 2 8 | 24 8 | 0 26 | 3 42 | 2 10 | 36 40 | 14 17 | 20 18 | 20 7 | 15 54 | | n.a. |
| W12 | 18 57 | 1s57 | 4 33 | 24 3 | 2 7 | 21 41 | 1 56 | 0 35 | 0 20 | 21 48 | 0 5 | 9 51 | 2 8 | 24 8 | 0 26 | 3 43 | 2 10 | 36 40 | 14 17 | 20 16 | 20 6 | 15 52 | | n.a. |
| T 13 | 18 41 | 7 3 | 3 53 | 23 44 | 2 6 | 21 50 | 1 52 | 0 51 | 0 20 | 21 50 | 0 5 | 9 52 | 2 9 | 24 8 | 0 26 | 3 43 | 2 10 | 36 40 | 14 17 | 20 15 | 20 5 | 15 50 | | n.a. |
| F 14 | 18 26 | 11 38 | 3 0 | 23 22 | 2 5 | 21 59 | 1 47 | 1 7 | 0 21 | 21 51 | 0 5 | 9 52 | 2 9 | 24 8 | 0 26 | 3 44 | 2 10 | 36 40 | 14 17 | 20 14 | 20 5 | 15 48 | | n.a. |
| S 15 | 18 10 | 15 30 | 1 59 | 22 59 | 2 4 | 22 6 | 1 42 | 1 23 | 0 22 | 21 53 | 0 5 | 9 52 | 2 9 | 24 8 | 0 26 | 3 44 | 2 10 | 36 40 | 14 17 | 20 14 | 20 4 | 15 46 | | n.a. |
| S 16 | 17 54 | 18 29 | 0 54 | 22 33 | 2 2 | 22 14 | 1 37 | 1 39 | 0 22 | 21 55 | 0 4 | 9 52 | 2 9 | 24 8 | 0 26 | 3 45 | 2 10 | 36 41 | 14 17 | 20 14 | 20 3 | 15 45 | | n.a. |
| M17 | 17 37 | 20 31 | 0n12 | 22 5 | 1 59 | 22 20 | 1 32 | 1 55 | 0 23 | 21 57 | 0 4 | 9 52 | 2 9 | 24 8 | 0 26 | 3 45 | 2 11 | 36 41 | 14 16 | 20 14 | 20 2 | 15 43 | | n.a. |
| T 18 | 17 20 | 21 33 | 1 15 | 21 36 | 1 56 | 22 27 | 1 28 | 2 11 | 0 24 | 21 58 | 0 4 | 9 52 | 2 9 | 24 7 | 0 26 | 3 46 | 2 11 | 36 41 | 14 16 | 20 14 | 20 2 | 15 41 | | n.a. |
| W19 | 17 3 | 21 35 | 2 15 | 21 4 | 1 53 | 22 32 | 1 23 | 2 27 | 0 24 | 22 0 | 0 4 | 9 53 | 2 10 | 24 7 | 0 26 | 3 46 | 2 11 | 36 41 | 14 16 | 20 13 | 20 1 | 15 39 | | n.a. |
| T 20 | 16 46 | 20 37 | 3 8 | 20 29 | 1 49 | 22 37 | 1 18 | 2 43 | 0 25 | 22 2 | 0 4 | 9 53 | 2 10 | 24 7 | 0 26 | 3 47 | 2 11 | 36 41 | 14 16 | 20 12 | 20 0 | 15 37 | | n.a. |
| F 21 | 16 28 | 18 46 | 3 52 | 19 53 | 1 44 | 22 42 | 1 13 | 2 58 | 0 26 | 22 3 | 0 4 | 9 53 | 2 10 | 24 7 | 0 26 | 3 47 | 2 11 | 36 41 | 14 16 | 20 10 | 19 59 | 15 35 | | n.a. |
| S 22 | 16 10 | 16 8 | 4 26 | 19 15 | 1 39 | 22 46 | 1 9 | 3 14 | 0 26 | 22 5 | 0 4 | 9 52 | 2 10 | 24 7 | 0 26 | 3 48 | 2 11 | 36 41 | 14 16 | 20 8 | 19 59 | 15 33 | | n.a. |
| S 23 | 15 52 | 12 50 | 4 49 | 18 34 | 1 33 | 22 49 | 1 4 | 3 30 | 0 27 | 22 6 | 0 4 | 9 52 | 2 10 | 24 7 | 0 26 | 3 48 | 2 11 | 36 41 | 14 16 | 20 5 | 19 58 | 15 32 | | n.a. |
| M24 | 15 34 | 9 1 | 4 59 | 17 52 | 1 27 | 22 52 | 0 59 | 3 46 | 0 27 | 22 8 | 0 4 | 9 52 | 2 10 | 24 7 | 0 26 | 3 49 | 2 11 | 36 41 | 14 16 | 20 1 | 19 57 | 15 30 | | n.a. |
| T 25 | 15 15 | 4 50 | 4 56 | 17 7 | 1 20 | 22 54 | 0 55 | 4 2 | 0 28 | 22 9 | 0 3 | 9 52 | 2 11 | 24 7 | 0 25 | 3 49 | 2 11 | 36 41 | 14 15 | 19 58 | 19 56 | 15 28 | | n.a. |
| W26 | 14 56 | 0 26 | 4 40 | 16 20 | 1 12 | 22 55 | 0 50 | 4 18 | 0 29 | 22 11 | 0 3 | 9 52 | 2 11 | 24 7 | 0 25 | 3 50 | 2 11 | 36 41 | 14 15 | 19 55 | 19 56 | 15 26 | | n.a. |
| T 27 | 14 37 | 4n 2 | 4 11 | 15 32 | 1 4 | 22 56 | 0 46 | 4 33 | 0 29 | 22 12 | 0 3 | 9 52 | 2 11 | 24 7 | 0 25 | 3 50 | 2 11 | 36 41 | 14 15 | 19 53 | 19 55 | 15 24 | | n.a. |
| F 28 | 14s18 | 8n23 | 3n29 | 14s42 | 0s56 | 22s56 | 0n41 | 4n49 | 0n30 | 22s14 | 0n 3 | 9s52 | 2n11 | 24n 7 | 0n25 | 3n51 | 2n11 | 36n41 | 14n15 | 19s51 | 19s54 | 15s22 | | n.a. |

Julian Day Number = 994606.5, Delta T = 12h58m24s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'29, Lahiri = -31°23'29 Julian Calendar 1 Feb. 1990 BCE == Greg. Calendar 15 Jan. 1990 BCE

The year -1989 astronomical counting style corresponds to year 1990 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## MARCH 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 25 54 | 23♒27'50 | 25♈27 | 25♒59 | 9♉53 | 11♈26 | 9♐22 | 0°R34 | 22°R11 | 25°R25 | 18°R34 | 26°R47 | 27♏ 2 | 2♒53 | n.a. | S 1 |
| S 2 | 9 29 50 | 24°26'19 | 8♉16 | 28° 6 | 11° 1 | 12° 4 | 9°30 | 0♏33 | 22♊11 | 25♍24 | 18♋33 | 26♏45 | 26°59 | 2°59 | n.a. | S 2 |
| M 3 | 9 33 47 | 25°24'45 | 21°23 | 0♓12 | 12° 8 | 12°42 | 9°38 | 0°33 | 22°10 | 25°22 | 18°32 | 26°45 | 26°56 | 3° 6 | n.a. | M 3 |
| T 4 | 9 37 43 | 26°23'10 | 4♊52 | 2°19 | 13°15 | 13°20 | 9°45 | 0°32 | 22° 9 | 25°21 | 18°30 | 26°45 | 26°53 | 3°13 | n.a. | T 4 |
| W 5 | 9 41 40 | 27°21'32 | 18°45 | 4°25 | 14°23 | 13°58 | 9°53 | 0°31 | 22° 8 | 25°20 | 18°29 | 26°44 | 26°50 | 3°20 | n.a. | W 5 |
| T 6 | 9 45 36 | 28°19'52 | 3♋ 2 | 6°30 | 15°31 | 14°36 | 10° 0 | 0°30 | 22° 8 | 25°18 | 18°28 | 26°41 | 26°46 | 3°26 | n.a. | T 6 |
| F 7 | 9 49 33 | 29°18'09 | 17°43 | 8°34 | 16°39 | 15°14 | 10° 8 | 0°29 | 22° 7 | 25°17 | 18°27 | 26°36 | 26°43 | 3°33 | n.a. | F 7 |
| S 8 | 9 53 29 | 0♓16'24 | 2♌43 | 10°37 | 17°46 | 15°52 | 10°15 | 0°28 | 22° 7 | 25°15 | 18°26 | 26°28 | 26°40 | 3°40 | n.a. | S 8 |
| S 9 | 9 57 26 | 1°14'37 | 17°54 | 12°39 | 18°55 | 16°30 | 10°22 | 0°27 | 22° 6 | 25°14 | 18°25 | 26°18 | 26°37 | 3°46 | n.a. | S 9 |
| M10 | 10 1 22 | 2°12'48 | 3♍ 5 | 14°38 | 20° 3 | 17° 8 | 10°29 | 0°26 | 22° 6 | 25°12 | 18°24 | 26° 7 | 26°34 | 3°53 | n.a. | M10 |
| T 11 | 10 5 19 | 3°10'57 | 18° 6 | 16°35 | 21°11 | 17°45 | 10°36 | 0°25 | 22° 6 | 25°11 | 18°23 | 25°56 | 26°31 | 4° 0 | n.a. | T 11 |
| W12 | 10 9 16 | 4° 9'05 | 2♎48 | 18°29 | 22°19 | 18°23 | 10°42 | 0°23 | 22° 5 | 25° 9 | 18°22 | 25°47 | 26°27 | 4° 7 | n.a. | W12 |
| T 13 | 10 13 12 | 5° 7'10 | 17° 3 | 20°21 | 23°28 | 19° 1 | 10°49 | 0°22 | 22° 5 | 25° 8 | 18°21 | 25°40 | 26°24 | 4°13 | n.a. | T 13 |
| F 14 | 10 17 9 | 6° 5'14 | 0♏49 | 22° 9 | 24°36 | 19°39 | 10°55 | 0°20 | 22° 5 | 25° 6 | 18°20 | 25°36 | 26°21 | 4°20 | n.a. | F 14 |
| S 15 | 10 21 5 | 7° 3'16 | 14° 6 | 23°54 | 25°45 | 20°17 | 11° 1 | 0°19 | 22° 5 | 25° 5 | 18°19 | 25°34 | 26°18 | 4°27 | n.a. | S 15 |
| S 16 | 10 25 2 | 8° 1'17 | 26°57 | 25°36 | 26°53 | 20°55 | 11° 7 | 0°17 | 22° 5 | 25° 3 | 18°18 | 25°D33 | 26°15 | 4°33 | n.a. | S 16 |
| M17 | 10 28 58 | 8°59'16 | 9♐25 | 27°14 | 28° 2 | 21°32 | 11°13 | 0°15 | 22°D 5 | 25° 2 | 18°17 | 25°R33 | 26°12 | 4°40 | n.a. | M17 |
| T 18 | 10 32 55 | 9°57'14 | 21°36 | 28°48 | 29°11 | 22°10 | 11°19 | 0°13 | 22° 5 | 25° 0 | 18°16 | 25°33 | 26° 8 | 4°47 | n.a. | T 18 |
| W19 | 10 36 51 | 10°55'10 | 3♑36 | 0♈18 | 0♒20 | 22°48 | 11°24 | 0°11 | 22° 5 | 24°59 | 18°15 | 25°31 | 26° 5 | 4°54 | n.a. | W19 |
| T 20 | 10 40 48 | 11°53'05 | 15°28 | 1°45 | 1°29 | 23°26 | 11°30 | 0° 9 | 22° 5 | 24°57 | 18°14 | 25°26 | 26° 2 | 5° 0 | n.a. | T 20 |
| F 21 | 10 44 44 | 12°50'58 | 27°18 | 3° 7 | 2°38 | 24° 4 | 11°35 | 0° 7 | 22° 5 | 24°56 | 18°14 | 25°19 | 25°59 | 5° 7 | n.a. | F 21 |
| S 22 | 10 48 41 | 13°48'50 | 9♒ 9 | 4°25 | 3°47 | 24°42 | 11°40 | 0° 5 | 22° 5 | 24°54 | 18°13 | 25° 9 | 25°56 | 5°14 | n.a. | S 22 |
| S 23 | 10 52 38 | 14°46'40 | 21° 4 | 5°38 | 4°56 | 25°19 | 11°45 | 0° 2 | 22° 5 | 24°53 | 18°12 | 24°58 | 25°52 | 5°20 | n.a. | S 23 |
| M24 | 10 56 34 | 15°44'28 | 3♓ 4 | 6°48 | 6° 6 | 25°57 | 11°50 | 29♎59 | 22° 6 | 24°51 | 18°12 | 24°45 | 25°49 | 5°27 | n.a. | M24 |
| T 25 | 11 0 31 | 16°42'15 | 15°13 | 7°53 | 7°15 | 26°35 | 11°54 | 29°57 | 22° 6 | 24°49 | 18°11 | 24°33 | 25°46 | 5°34 | n.a. | T 25 |
| W26 | 11 4 27 | 17°40'00 | 27°30 | 8°53 | 8°25 | 27°13 | 11°58 | 29°55 | 22° 7 | 24°48 | 18°10 | 24°22 | 25°43 | 5°41 | n.a. | W26 |
| T 27 | 11 8 24 | 18°37'44 | 9♈56 | 9°49 | 9°34 | 27°51 | 12° 3 | 29°52 | 22° 7 | 24°46 | 18°10 | 24°12 | 25°40 | 5°47 | n.a. | T 27 |
| F 28 | 11 12 20 | 19°35'26 | 22°32 | 10°41 | 10°44 | 28°28 | 12° 7 | 29°49 | 22° 8 | 24°44 | 18° 9 | 24° 6 | 25°37 | 5°54 | n.a. | F 28 |
| S 29 | 11 16 17 | 20°33'06 | 5♉20 | 11°27 | 11°53 | 29° 6 | 12°10 | 29°46 | 22° 8 | 24°43 | 18° 8 | 24° 2 | 25°33 | 6° 1 | n.a. | S 29 |
| S 30 | 11 20 13 | 21°30'45 | 18°20 | 12° 9 | 13° 3 | 29°44 | 12°14 | 29°43 | 22° 9 | 24°41 | 18° 8 | 24°D 0 | 25°30 | 6° 7 | n.a. | S 30 |
| M31 | 11 24 10 | 22♓28'22 | 1♊34 | 12♈47 | 14♒13 | 0♉22 | 12♐18 | 29♎41 | 22♊10 | 24♍40 | 18♋ 7 | 24♏ 0 | 25♏27 | 6♒14 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 13s58 | 12n28 | 2n37 | 13s50 | 0s46 | 22s56 | 0n37 | 5n 5 | 0n30 | 22s15 | 0n 3 | 9s51 | 2n11 | 24n 7 | 0n25 | 3n51 | 2n11 | 36n41 | 14n15 | 19s50 | 19s53 | 15s20 | | n.a. |
| S 2 | 13 38 | 16 3 | 1 36 | 12 57 | 0 37 | 22 55 | 0 32 | 5 20 | 0 31 | 22 17 | 0 3 | 9 51 | 2 11 | 24 7 | 0 25 | 3 52 | 2 11 | 36 41 | 14 14 | 19 49 | 19 53 | 15 19 | | n.a. |
| M 3 | 13 18 | 18 56 | 0 28 | 12 3 | 0 27 | 22 53 | 0 28 | 5 36 | 0 31 | 22 18 | 0 3 | 9 51 | 2 12 | 24 6 | 0 25 | 3 53 | 2 11 | 36 41 | 14 14 | 19 49 | 19 52 | 15 17 | | n.a. |
| T 4 | 12 58 | 20 50 | 0s43 | 11 7 | 0 17 | 22 51 | 0 24 | 5 51 | 0 32 | 22 19 | 0 3 | 9 50 | 2 12 | 24 6 | 0 25 | 3 53 | 2 11 | 36 41 | 14 14 | 19 49 | 19 51 | 15 15 | | n.a. |
| W 5 | 12 38 | 21 33 | 1 53 | 10 11 | 0 6 | 22 48 | 0 19 | 6 7 | 0 33 | 22 20 | 0 2 | 9 50 | 2 12 | 24 6 | 0 25 | 3 54 | 2 11 | 36 41 | 14 14 | 19 49 | 19 50 | 15 13 | | n.a. |
| T 6 | 12 17 | 20 54 | 2 59 | 9 14 | 0n 5 | 22 45 | 0 15 | 6 22 | 0 33 | 22 22 | 0 2 | 9 49 | 2 12 | 24 6 | 0 25 | 3 54 | 2 11 | 36 41 | 14 14 | 19 48 | 19 50 | 15 11 | | n.a. |
| F 7 | 11 57 | 18 51 | 3 55 | 8 16 | 0 16 | 22 41 | 0 11 | 6 38 | 0 34 | 22 23 | 0 2 | 9 49 | 2 12 | 24 6 | 0 25 | 3 55 | 2 11 | 36 41 | 14 13 | 19 47 | 19 49 | 15 9 | | n.a. |
| S 8 | 11 36 | 15 29 | 4 35 | 7 19 | 0 27 | 22 36 | 0 7 | 6 53 | 0 34 | 22 24 | 0 2 | 9 48 | 2 12 | 24 6 | 0 25 | 3 55 | 2 11 | 36 41 | 14 13 | 19 45 | 19 48 | 15 7 | | n.a. |
| S 9 | 11 15 | 11 4 | 4 57 | 6 21 | 0 39 | 22 31 | 0 3 | 7 9 | 0 35 | 22 25 | 0 2 | 9 48 | 2 12 | 24 6 | 0 25 | 3 56 | 2 11 | 36 41 | 14 13 | 19 43 | 19 47 | 15 5 | | n.a. |
| M10 | 10 54 | 5 57 | 4 58 | 5 24 | 0 50 | 22 25 | 0s 1 | 7 24 | 0 35 | 22 26 | 0 2 | 9 47 | 2 13 | 24 6 | 0 25 | 3 57 | 2 11 | 36 41 | 14 13 | 19 40 | 19 47 | 15 3 | | n.a. |
| T 11 | 10 32 | 0 32 | 4 39 | 4 28 | 1 1 | 22 18 | 0 5 | 7 39 | 0 36 | 22 28 | 0 2 | 9 47 | 2 13 | 24 6 | 0 25 | 3 57 | 2 11 | 36 41 | 14 13 | 19 38 | 19 46 | 15 1 | | n.a. |
| W12 | 10 11 | 4s48 | 4 1 | 3 32 | 1 12 | 22 11 | 0 9 | 7 54 | 0 36 | 22 29 | 0 1 | 9 46 | 2 13 | 24 6 | 0 25 | 3 58 | 2 12 | 36 41 | 14 12 | 19 35 | 19 45 | 15 0 | | n.a. |
| T 13 | 9 49 | 9 43 | 3 9 | 2 38 | 1 23 | 22 3 | 0 13 | 8 9 | 0 37 | 22 30 | 0 1 | 9 45 | 2 13 | 24 6 | 0 25 | 3 59 | 2 12 | 36 41 | 14 12 | 19 34 | 19 44 | 14 58 | | n.a. |
| F 14 | 9 28 | 13 58 | 2 7 | 1 45 | 1 33 | 21 54 | 0 16 | 8 25 | 0 37 | 22 31 | 0 1 | 9 45 | 2 13 | 24 6 | 0 25 | 3 59 | 2 12 | 36 41 | 14 12 | 19 33 | 19 44 | 14 56 | | n.a. |
| S 15 | 9 6 | 17 21 | 1 0 | 0 53 | 1 43 | 21 45 | 0 20 | 8 40 | 0 38 | 22 32 | 0 1 | 9 44 | 2 13 | 24 6 | 0 25 | 4 0 | 2 12 | 36 41 | 14 11 | 19 32 | 19 43 | 14 54 | | n.a. |
| S 16 | 8 44 | 19 45 | 0n 7 | 0 4 | 1 53 | 21 35 | 0 24 | 8 55 | 0 38 | 22 33 | 0 1 | 9 43 | 2 13 | 24 6 | 0 25 | 4 0 | 2 12 | 36 41 | 14 11 | 19 32 | 19 42 | 14 52 | | n.a. |
| M17 | 8 22 | 21 7 | 1 13 | 0n44 | 2 2 | 21 25 | 0 27 | 9 10 | 0 39 | 22 34 | 0 1 | 9 42 | 2 14 | 24 6 | 0 25 | 4 1 | 2 12 | 36 40 | 14 11 | 19 32 | 19 41 | 14 50 | | n.a. |
| T 18 | 7 59 | 21 26 | 2 13 | 1 30 | 2 10 | 21 14 | 0 31 | 9 24 | 0 39 | 22 35 | 0 1 | 9 42 | 2 14 | 24 6 | 0 25 | 4 2 | 2 12 | 36 40 | 14 11 | 19 32 | 19 41 | 14 48 | | n.a. |
| W19 | 7 37 | 20 45 | 3 7 | 2 14 | 2 18 | 21 3 | 0 34 | 9 39 | 0 40 | 22 36 | 0 1 | 9 41 | 2 14 | 24 6 | 0 25 | 4 2 | 2 12 | 36 40 | 14 10 | 19 32 | 19 40 | 14 46 | | n.a. |
| T 20 | 7 15 | 19 10 | 3 52 | 2 55 | 2 25 | 20 50 | 0 38 | 9 54 | 0 40 | 22 36 | 0 0 | 9 40 | 2 14 | 24 6 | 0 25 | 4 3 | 2 12 | 36 40 | 14 10 | 19 30 | 19 39 | 14 44 | | n.a. |
| F 21 | 6 52 | 16 46 | 4 27 | 3 35 | 2 32 | 20 38 | 0 41 | 10 9 | 0 41 | 22 37 | 0 0 | 9 39 | 2 14 | 24 6 | 0 25 | 4 4 | 2 12 | 36 40 | 14 10 | 19 29 | 19 38 | 14 42 | | n.a. |
| S 22 | 6 29 | 13 40 | 4 50 | 4 11 | 2 38 | 20 24 | 0 44 | 10 23 | 0 41 | 22 38 | 0 0 | 9 38 | 2 14 | 24 6 | 0 25 | 4 4 | 2 12 | 36 40 | 14 9 | 19 26 | 19 38 | 14 40 | | n.a. |
| S 23 | 6 7 | 10 1 | 5 1 | 4 46 | 2 42 | 20 11 | 0 47 | 10 38 | 0 42 | 22 39 | 0s 0 | 9 37 | 2 14 | 24 6 | 0 25 | 4 5 | 2 12 | 36 39 | 14 9 | 19 23 | 19 37 | 14 39 | | n.a. |
| M24 | 5 44 | 5 57 | 4 58 | 5 17 | 2 47 | 19 56 | 0 50 | 10 52 | 0 42 | 22 40 | 0 0 | 9 36 | 2 14 | 24 6 | 0 25 | 4 6 | 2 12 | 36 39 | 14 9 | 19 20 | 19 36 | 14 37 | | n.a. |
| T 25 | 5 21 | 1 37 | 4 42 | 5 47 | 2 50 | 19 41 | 0 53 | 11 7 | 0 42 | 22 41 | 0 0 | 9 35 | 2 15 | 24 6 | 0 25 | 4 6 | 2 12 | 36 39 | 14 9 | 19 17 | 19 35 | 14 35 | | n.a. |
| W26 | 4 58 | 2n51 | 4 13 | 6 13 | 2 52 | 19 26 | 0 56 | 11 21 | 0 43 | 22 41 | 0 0 | 9 34 | 2 15 | 24 6 | 0 25 | 4 7 | 2 12 | 36 39 | 14 8 | 19 14 | 19 34 | 14 33 | | n.a. |
| T 27 | 4 35 | 7 15 | 3 32 | 6 37 | 2 54 | 19 10 | 0 59 | 11 35 | 0 43 | 22 42 | 0 1 | 9 33 | 2 15 | 24 6 | 0 25 | 4 8 | 2 12 | 36 39 | 14 8 | 19 12 | 19 34 | 14 31 | | n.a. |
| F 28 | 4 12 | 11 24 | 2 39 | 6 58 | 2 54 | 18 53 | 1 2 | 11 50 | 0 44 | 22 43 | 0 1 | 9 32 | 2 15 | 24 6 | 0 25 | 4 8 | 2 12 | 36 38 | 14 8 | 19 10 | 19 33 | 14 29 | | n.a. |
| S 29 | 3 49 | 15 6 | 1 38 | 7 16 | 2 53 | 18 36 | 1 4 | 12 4 | 0 44 | 22 43 | 0 1 | 9 31 | 2 15 | 24 6 | 0 25 | 4 9 | 2 12 | 36 38 | 14 7 | 19 9 | 19 32 | 14 27 | | n.a. |
| S 30 | 3 26 | 18 7 | 0 30 | 7 32 | 2 52 | 18 18 | 1 7 | 12 18 | 0 45 | 22 44 | 0 1 | 9 30 | 2 15 | 24 6 | 0 25 | 4 10 | 2 12 | 36 38 | 14 7 | 19 9 | 19 31 | 14 25 | | n.a. |
| M31 | 3s 3 | 20n14 | 0s40 | 7n44 | 2n49 | 18s 0 | 1s 9 | 12n32 | 0n45 | 22s45 | 0s 1 | 9s29 | 2n15 | 24n 6 | 0n25 | 4n10 | 2n12 | 36n38 | 14n 7 | 19s 9 | 19s31 | 14s23 | | n.a. |

Julian Day Number = 994634.5, Delta T = 12h58m23s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'25, Lahiri = -31°23'25 Julian Calendar 1 March 1990 BCE == Greg. Calendar 12 Feb. 1990 BCE

The year -1989 astronomical counting style corresponds to year 1990 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## APRIL 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 28 6 | 23♓25'57 | 15♊ 5 | 13♈19 | 15♒23 | 1♉ 0 | 12♐21 | 29°R37 | 22♊10 | 24°R38 | 18°R 7 | 24♏ 1 | 25♏24 | 6♒21 | n.a. | T 1 |
| W 2 | 11 32 3 | 24°23'31 | 28°53 | 13°47 | 16°32 | 1°37 | 12°24 | 29♎34 | 22°11 | 24♍36 | 18♋ 6 | 24°R 1 | 25°21 | 6°28 | n.a. | W 2 |
| T 3 | 11 36 0 | 25°21'03 | 13♋ 1 | 14° 9 | 17°42 | 2°15 | 12°27 | 29°31 | 22°12 | 24°35 | 18° 6 | 24° 0 | 25°17 | 6°34 | n.a. | T 3 |
| F 4 | 11 39 56 | 26°18'33 | 27°26 | 14°27 | 18°52 | 2°53 | 12°30 | 29°28 | 22°13 | 24°33 | 18° 6 | 23°56 | 25°14 | 6°41 | n.a. | F 4 |
| S 5 | 11 43 53 | 27°16'02 | 12♌ 6 | 14°40 | 20° 2 | 3°31 | 12°32 | 29°25 | 22°14 | 24°32 | 18° 5 | 23°51 | 25°11 | 6°48 | n.a. | S 5 |
| S 6 | 11 47 49 | 28°13'29 | 26°55 | 14°48 | 21°12 | 4° 8 | 12°35 | 29°21 | 22°15 | 24°30 | 18° 5 | 23°44 | 25° 8 | 6°54 | n.a. | S 6 |
| M 7 | 11 51 46 | 29°10'55 | 11♍46 | 14°R51 | 22°23 | 4°46 | 12°37 | 29°18 | 22°16 | 24°28 | 18° 5 | 23°35 | 25° 5 | 7° 1 | n.a. | M 7 |
| T 8 | 11 55 42 | 0♈ 8'19 | 26°30 | 14°50 | 23°33 | 5°24 | 12°39 | 29°14 | 22°17 | 24°27 | 18° 4 | 23°27 | 25° 2 | 7° 8 | n.a. | T 8 |
| W 9 | 11 59 39 | 1° 5'42 | 11♎ 0 | 14°43 | 24°43 | 6° 2 | 12°41 | 29°11 | 22°18 | 24°25 | 18° 4 | 23°20 | 24°58 | 7°15 | n.a. | W 9 |
| T 10 | 12 3 35 | 2° 3'04 | 25° 8 | 14°33 | 25°53 | 6°39 | 12°42 | 29° 7 | 22°20 | 24°23 | 18° 4 | 23°15 | 24°55 | 7°21 | n.a. | T 10 |
| F 11 | 12 7 32 | 3° 0'24 | 8♏52 | 14°18 | 27° 4 | 7°17 | 12°44 | 29° 4 | 22°21 | 24°22 | 18° 4 | 23°12 | 24°52 | 7°28 | n.a. | F 11 |
| S 12 | 12 11 29 | 3°57'44 | 22°10 | 14° 0 | 28°14 | 7°55 | 12°45 | 29° 0 | 22°22 | 24°20 | 18° 4 | 23°D11 | 24°49 | 7°35 | n.a. | S 12 |
| S 13 | 12 15 25 | 4°55'04 | 5♐ 4 | 13°38 | 29°25 | 8°33 | 12°46 | 28°56 | 22°24 | 24°19 | 18° 4 | 23°12 | 24°46 | 7°42 | n.a. | S 13 |
| M14 | 12 19 22 | 5°52'22 | 17°36 | 13°13 | 0♓35 | 9°10 | 12°47 | 28°52 | 22°25 | 24°17 | 18° 3 | 23°13 | 24°43 | 7°48 | n.a. | M14 |
| T 15 | 12 23 18 | 6°49'39 | 29°50 | 12°45 | 1°46 | 9°48 | 12°48 | 28°48 | 22°27 | 24°15 | 18° 3 | 23°14 | 24°39 | 7°55 | n.a. | T 15 |
| W16 | 12 27 15 | 7°46'56 | 11♑52 | 12°14 | 2°56 | 10°26 | 12°48 | 28°45 | 22°28 | 24°14 | 18°D 3 | 23°R14 | 24°36 | 8° 2 | n.a. | W16 |
| T 17 | 12 31 11 | 8°44'12 | 23°46 | 11°43 | 4° 7 | 11° 3 | 12°49 | 28°41 | 22°30 | 24°12 | 18° 3 | 23°13 | 24°33 | 8° 8 | n.a. | T 17 |
| F 18 | 12 35 8 | 9°41'28 | 5♒38 | 11°10 | 5°18 | 11°41 | 12°R49 | 28°37 | 22°31 | 24°11 | 18° 3 | 23°10 | 24°30 | 8°15 | n.a. | F 18 |
| S 19 | 12 39 4 | 10°38'42 | 17°31 | 10°36 | 6°29 | 12°19 | 12°49 | 28°33 | 22°33 | 24° 9 | 18° 3 | 23° 5 | 24°27 | 8°22 | n.a. | S 19 |
| S 20 | 12 43 1 | 11°35'56 | 29°30 | 10° 2 | 7°39 | 12°57 | 12°49 | 28°28 | 22°35 | 24° 8 | 18° 4 | 22°59 | 24°23 | 8°29 | n.a. | S 20 |
| M21 | 12 46 58 | 12°33'09 | 11♓37 | 9°29 | 8°50 | 13°34 | 12°48 | 28°24 | 22°36 | 24° 6 | 18° 4 | 22°52 | 24°20 | 8°35 | n.a. | M21 |
| T 22 | 12 50 54 | 13°30'22 | 23°55 | 8°57 | 10° 1 | 14°12 | 12°48 | 28°20 | 22°38 | 24° 5 | 18° 4 | 22°45 | 24°17 | 8°42 | n.a. | T 22 |
| W23 | 12 54 51 | 14°27'34 | 6♈24 | 8°27 | 11°12 | 14°50 | 12°47 | 28°16 | 22°40 | 24° 3 | 18° 4 | 22°38 | 24°14 | 8°49 | n.a. | W23 |
| T 24 | 12 58 47 | 15°24'45 | 19° 6 | 7°59 | 12°23 | 15°28 | 12°46 | 28°12 | 22°42 | 24° 2 | 18° 4 | 22°33 | 24°11 | 8°55 | n.a. | T 24 |
| F 25 | 13 2 44 | 16°21'55 | 2♉ 2 | 7°33 | 13°34 | 16° 5 | 12°45 | 28° 8 | 22°44 | 24° 0 | 18° 5 | 22°30 | 24° 8 | 9° 2 | n.a. | F 25 |
| S 26 | 13 6 40 | 17°19'05 | 15° 9 | 7°11 | 14°45 | 16°43 | 12°43 | 28° 3 | 22°46 | 23°59 | 18° 5 | 22°28 | 24° 4 | 9° 9 | n.a. | S 26 |
| S 27 | 13 10 37 | 18°16'14 | 28°29 | 6°52 | 15°56 | 17°21 | 12°42 | 27°59 | 22°48 | 23°57 | 18° 5 | 22°D28 | 24° 1 | 9°16 | n.a. | S 27 |
| M28 | 13 14 33 | 19°13'22 | 12♊ 1 | 6°37 | 17° 8 | 17°58 | 12°40 | 27°55 | 22°50 | 23°56 | 18° 5 | 22°29 | 23°58 | 9°22 | n.a. | M28 |
| T 29 | 13 18 30 | 20°10'30 | 25°45 | 6°25 | 18°19 | 18°36 | 12°38 | 27°51 | 22°52 | 23°54 | 18° 6 | 22°30 | 23°55 | 9°29 | n.a. | T 29 |
| W30 | 13 22 27 | 21♈ 7'37 | 9♋40 | 6♈18 | 19♓30 | 19♉14 | 12♐36 | 27♎46 | 22♊54 | 23♍53 | 18♋ 6 | 22♏32 | 23♏52 | 9♒36 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s39 | 21n15 | 1s50 | 7n54 | 2n46 | 17s41 | 1s12 | 12n46 | 0n45 | 22s45 | 0s 1 | 9s28 | 2n15 | 24n 6 | 0n25 | 4n11 | 2n12 | 36n37 | 14n 6 | 19s 9 | 19s30 | 14s21 | | n.a. |
| W 2 | 2 16 | 21 0 | 2 55 | 8 0 | 2 41 | 17 22 | 1 14 | 12 59 | 0 46 | 22 46 | 0 1 | 9 26 | 2 15 | 24 6 | 0 25 | 4 12 | 2 12 | 36 37 | 14 6 | 19 9 | 19 29 | 14 19 | | n.a. |
| T 3 | 1 53 | 19 26 | 3 51 | 8 4 | 2 35 | 17 3 | 1 16 | 13 13 | 0 46 | 22 46 | 0 2 | 9 25 | 2 15 | 24 6 | 0 25 | 4 12 | 2 12 | 36 37 | 14 6 | 19 9 | 19 28 | 14 17 | | n.a. |
| F 4 | 1 30 | 16 37 | 4 34 | 8 5 | 2 29 | 16 43 | 1 19 | 13 27 | 0 47 | 22 47 | 0 2 | 9 24 | 2 15 | 24 6 | 0 25 | 4 13 | 2 12 | 36 37 | 14 5 | 19 8 | 19 28 | 14 15 | | n.a. |
| S 5 | 1 6 | 12 44 | 4 59 | 8 3 | 2 21 | 16 22 | 1 21 | 13 40 | 0 47 | 22 47 | 0 2 | 9 23 | 2 16 | 24 6 | 0 25 | 4 14 | 2 12 | 36 36 | 14 5 | 19 7 | 19 27 | 14 13 | | n.a. |
| S 6 | 0 43 | 8 1 | 5 5 | 7 58 | 2 12 | 16 1 | 1 23 | 13 54 | 0 47 | 22 48 | 0 2 | 9 21 | 2 16 | 24 6 | 0 25 | 4 14 | 2 12 | 36 36 | 14 5 | 19 5 | 19 26 | 14 11 | | n.a. |
| M 7 | 0 20 | 2 50 | 4 50 | 7 50 | 2 2 | 15 40 | 1 25 | 14 7 | 0 48 | 22 48 | 0 2 | 9 20 | 2 16 | 24 6 | 0 25 | 4 15 | 2 12 | 36 36 | 14 4 | 19 3 | 19 25 | 14 10 | | n.a. |
| T 8 | 0n 3 | 2s29 | 4 16 | 7 39 | 1 51 | 15 18 | 1 27 | 14 20 | 0 48 | 22 49 | 0 2 | 9 19 | 2 16 | 24 6 | 0 25 | 4 16 | 2 12 | 36 35 | 14 4 | 19 1 | 19 24 | 14 8 | | n.a. |
| W 9 | 0 27 | 7 35 | 3 27 | 7 26 | 1 39 | 14 56 | 1 28 | 14 34 | 0 49 | 22 49 | 0 3 | 9 17 | 2 16 | 24 6 | 0 25 | 4 16 | 2 12 | 36 35 | 14 4 | 18 59 | 19 24 | 14 6 | | n.a. |
| T 10 | 0 50 | 12 10 | 2 25 | 7 10 | 1 26 | 14 33 | 1 30 | 14 47 | 0 49 | 22 49 | 0 3 | 9 16 | 2 16 | 24 7 | 0 25 | 4 17 | 2 12 | 36 35 | 14 3 | 18 58 | 19 23 | 14 4 | | n.a. |
| F 11 | 1 13 | 15 57 | 1 16 | 6 51 | 1 12 | 14 10 | 1 32 | 15 0 | 0 49 | 22 50 | 0 3 | 9 15 | 2 16 | 24 7 | 0 25 | 4 17 | 2 12 | 36 34 | 14 3 | 18 57 | 19 22 | 14 2 | | n.a. |
| S 12 | 1 36 | 18 46 | 0 5 | 6 30 | 0 57 | 13 47 | 1 33 | 15 13 | 0 50 | 22 50 | 0 3 | 9 13 | 2 16 | 24 7 | 0 25 | 4 18 | 2 12 | 36 34 | 14 3 | 18 57 | 19 21 | 14 0 | | n.a. |
| S 13 | 2 0 | 20 32 | 1n 4 | 6 8 | 0 42 | 13 23 | 1 35 | 15 25 | 0 50 | 22 50 | 0 3 | 9 12 | 2 16 | 24 7 | 0 25 | 4 19 | 2 12 | 36 34 | 14 2 | 18 57 | 19 20 | 13 58 | | n.a. |
| M14 | 2 23 | 21 13 | 2 8 | 5 43 | 0 26 | 12 59 | 1 36 | 15 38 | 0 50 | 22 51 | 0 3 | 9 11 | 2 16 | 24 7 | 0 25 | 4 19 | 2 12 | 36 33 | 14 2 | 18 57 | 19 20 | 13 56 | | n.a. |
| T 15 | 2 46 | 20 51 | 3 5 | 5 17 | 0 10 | 12 34 | 1 37 | 15 51 | 0 51 | 22 51 | 0 4 | 9 9 | 2 16 | 24 7 | 0 25 | 4 20 | 2 12 | 36 33 | 14 1 | 18 57 | 19 19 | 13 54 | | n.a. |
| W16 | 3 9 | 19 31 | 3 52 | 4 50 | 0s 7 | 12 9 | 1 38 | 16 3 | 0 51 | 22 51 | 0 4 | 9 8 | 2 16 | 24 7 | 0 25 | 4 21 | 2 12 | 36 33 | 14 1 | 18 57 | 19 18 | 13 52 | | n.a. |
| T 17 | 3 32 | 17 22 | 4 29 | 4 21 | 0 24 | 11 44 | 1 39 | 16 16 | 0 52 | 22 51 | 0 4 | 9 6 | 2 16 | 24 7 | 0 25 | 4 21 | 2 12 | 36 32 | 14 1 | 18 57 | 19 17 | 13 50 | | n.a. |
| F 18 | 3 55 | 14 29 | 4 55 | 3 53 | 0 41 | 11 19 | 1 40 | 16 28 | 0 52 | 22 51 | 0 4 | 9 5 | 2 16 | 24 7 | 0 25 | 4 22 | 2 12 | 36 32 | 14 0 | 18 56 | 19 17 | 13 48 | | n.a. |
| S 19 | 4 18 | 11 1 | 5 8 | 3 24 | 0 58 | 10 53 | 1 41 | 16 40 | 0 52 | 22 52 | 0 4 | 9 3 | 2 16 | 24 7 | 0 25 | 4 22 | 2 12 | 36 32 | 14 0 | 18 55 | 19 16 | 13 46 | | n.a. |
| S 20 | 4 41 | 7 6 | 5 7 | 2 55 | 1 14 | 10 27 | 1 42 | 16 52 | 0 53 | 22 52 | 0 4 | 9 2 | 2 16 | 24 7 | 0 25 | 4 23 | 2 12 | 36 31 | 14 0 | 18 53 | 19 15 | 13 44 | | n.a. |
| M21 | 5 3 | 2 51 | 4 53 | 2 27 | 1 30 | 10 0 | 1 43 | 17 4 | 0 53 | 22 52 | 0 5 | 9 0 | 2 16 | 24 7 | 0 25 | 4 24 | 2 12 | 36 31 | 13 59 | 18 52 | 19 14 | 13 42 | | n.a. |
| T 22 | 5 26 | 1n35 | 4 25 | 2 0 | 1 46 | 9 34 | 1 44 | 17 16 | 0 53 | 22 52 | 0 5 | 8 59 | 2 16 | 24 7 | 0 25 | 4 24 | 2 12 | 36 30 | 13 59 | 18 50 | 19 13 | 13 40 | | n.a. |
| W23 | 5 49 | 6 0 | 3 44 | 1 34 | 2 1 | 9 7 | 1 44 | 17 28 | 0 54 | 22 52 | 0 5 | 8 57 | 2 16 | 24 8 | 0 25 | 4 25 | 2 12 | 36 30 | 13 59 | 18 48 | 19 13 | 13 38 | | n.a. |
| T 24 | 6 11 | 10 16 | 2 51 | 1 10 | 2 15 | 8 39 | 1 45 | 17 39 | 0 54 | 22 52 | 0 5 | 8 56 | 2 16 | 24 8 | 0 25 | 4 25 | 2 12 | 36 30 | 13 58 | 18 47 | 19 12 | 13 36 | | n.a. |
| F 25 | 6 34 | 14 7 | 1 49 | 0 48 | 2 28 | 8 12 | 1 45 | 17 51 | 0 54 | 22 52 | 0 5 | 8 54 | 2 16 | 24 8 | 0 25 | 4 26 | 2 12 | 36 29 | 13 58 | 18 46 | 19 11 | 13 34 | | n.a. |
| S 26 | 6 56 | 17 20 | 0 40 | 0 28 | 2 40 | 7 44 | 1 46 | 18 2 | 0 55 | 22 52 | 0 5 | 8 53 | 2 16 | 24 8 | 0 25 | 4 27 | 2 12 | 36 29 | 13 57 | 18 45 | 19 10 | 13 32 | | n.a. |
| S 27 | 7 18 | 19 41 | 0s33 | 0 10 | 2 51 | 7 16 | 1 46 | 18 14 | 0 55 | 22 52 | 0 6 | 8 51 | 2 16 | 24 8 | 0 25 | 4 27 | 2 11 | 36 28 | 13 57 | 18 45 | 19 9 | 13 30 | | n.a. |
| M28 | 7 40 | 20 57 | 1 45 | 0s 6 | 3 1 | 6 48 | 1 46 | 18 25 | 0 55 | 22 52 | 0 6 | 8 50 | 2 16 | 24 8 | 0 25 | 4 28 | 2 11 | 36 28 | 13 57 | 18 46 | 19 9 | 13 28 | | n.a. |
| T 29 | 8 2 | 20 59 | 2 52 | 0 18 | 3 10 | 6 20 | 1 46 | 18 36 | 0 55 | 22 52 | 0 6 | 8 48 | 2 16 | 24 8 | 0 25 | 4 28 | 2 11 | 36 28 | 13 56 | 18 46 | 19 8 | 13 26 | | n.a. |
| W30 | 8n24 | 19n45 | 3s50 | 0s28 | 3s18 | 5s52 | 1s46 | 18n47 | 0n56 | 22s52 | 0s 6 | 8s47 | 2n16 | 24n 8 | 0n25 | 4n29 | 2n11 | 36n27 | 13n56 | 18s46 | 19s 7 | 13s24 | | n.a. |

Julian Day Number = 994665.5, Delta T = 12h58m20s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'21, Lahiri = -31°23'21 Julian Calendar 1 Apr. 1990 BCE == Greg. Calendar 15 March 1990 BCE


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## MAY 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 26 23 | 22♈ 4'42 | 23♋46 | 6°D15 | 20♓41 | 19♉52 | 12°R33 | 27°R42 | 22♊57 | 23°R52 | 18♋ 7 | 22°R32 | 23♏48 | 9♒42 | n.a. | T 1 |
| F 2 | 13 30 20 | 23° 1'47 | 8♌ 2 | 6♈17 | 21°53 | 20°29 | 12♐31 | 27♎38 | 22°59 | 23♍50 | 18° 7 | 22♏31 | 23°45 | 9°49 | n.a. | F 2 |
| S 3 | 13 34 16 | 23°58'52 | 22°24 | 6°23 | 23° 4 | 21° 7 | 12°28 | 27°33 | 23° 1 | 23°49 | 18° 8 | 22°29 | 23°42 | 9°56 | n.a. | S 3 |
| S 4 | 13 38 13 | 24°55'55 | 6♍50 | 6°34 | 24°15 | 21°45 | 12°25 | 27°29 | 23° 4 | 23°48 | 18° 8 | 22°26 | 23°39 | 10° 3 | n.a. | S 4 |
| M 5 | 13 42 9 | 25°52'58 | 21°14 | 6°50 | 25°27 | 22°23 | 12°22 | 27°24 | 23° 6 | 23°46 | 18° 9 | 22°23 | 23°36 | 10° 9 | n.a. | M 5 |
| T 6 | 13 46 6 | 26°50'00 | 5♎32 | 7°10 | 26°38 | 23° 0 | 12°19 | 27°20 | 23° 8 | 23°45 | 18° 9 | 22°19 | 23°33 | 10°16 | n.a. | T 6 |
| W 7 | 13 50 3 | 27°47'02 | 19°38 | 7°34 | 27°50 | 23°38 | 12°16 | 27°16 | 23°11 | 23°44 | 18°10 | 22°16 | 23°29 | 10°23 | n.a. | W 7 |
| T 8 | 13 53 59 | 28°44'04 | 3♏28 | 8° 4 | 29° 1 | 24°16 | 12°12 | 27°11 | 23°13 | 23°42 | 18°11 | 22°14 | 23°26 | 10°29 | n.a. | T 8 |
| F 9 | 13 57 56 | 29°41'05 | 16°59 | 8°37 | 0♈13 | 24°54 | 12° 9 | 27° 7 | 23°16 | 23°41 | 18°11 | 22°D13 | 23°23 | 10°36 | n.a. | F 9 |
| S 10 | 14 1 52 | 0♉38'07 | 0♐ 9 | 9°16 | 1°25 | 25°31 | 12° 5 | 27° 3 | 23°18 | 23°40 | 18°12 | 22°13 | 23°20 | 10°43 | n.a. | S 10 |
| S 11 | 14 5 49 | 1°35'08 | 12°59 | 9°58 | 2°36 | 26° 9 | 12° 1 | 26°58 | 23°21 | 23°39 | 18°13 | 22°14 | 23°17 | 10°50 | n.a. | S 11 |
| M12 | 14 9 45 | 2°32'10 | 25°31 | 10°45 | 3°48 | 26°47 | 11°56 | 26°54 | 23°24 | 23°38 | 18°14 | 22°15 | 23°14 | 10°56 | n.a. | M12 |
| T 13 | 14 13 42 | 3°29'11 | 7♑46 | 11°36 | 5° 0 | 27°25 | 11°52 | 26°49 | 23°26 | 23°36 | 18°14 | 22°17 | 23°10 | 11° 3 | n.a. | T 13 |
| W14 | 14 17 38 | 4°26'13 | 19°50 | 12°31 | 6°12 | 28° 2 | 11°47 | 26°45 | 23°29 | 23°35 | 18°15 | 22°18 | 23° 7 | 11°10 | n.a. | W14 |
| T 15 | 14 21 35 | 5°23'15 | 1♒46 | 13°31 | 7°23 | 28°40 | 11°43 | 26°41 | 23°32 | 23°34 | 18°16 | 22°R18 | 23° 4 | 11°17 | n.a. | T 15 |
| F 16 | 14 25 32 | 6°20'17 | 13°40 | 14°34 | 8°35 | 29°18 | 11°38 | 26°37 | 23°35 | 23°33 | 18°17 | 22°18 | 23° 1 | 11°23 | n.a. | F 16 |
| S 17 | 14 29 28 | 7°17'20 | 25°35 | 15°42 | 9°47 | 29°56 | 11°33 | 26°32 | 23°38 | 23°32 | 18°18 | 22°18 | 22°58 | 11°30 | n.a. | S 17 |
| S 18 | 14 33 25 | 8°14'23 | 7♓36 | 16°53 | 10°59 | 0♊33 | 11°28 | 26°28 | 23°40 | 23°31 | 18°19 | 22°16 | 22°54 | 11°37 | n.a. | S 18 |
| M19 | 14 37 21 | 9°11'26 | 19°46 | 18° 9 | 12°11 | 1°11 | 11°22 | 26°24 | 23°43 | 23°30 | 18°20 | 22°15 | 22°51 | 11°43 | n.a. | M19 |
| T 20 | 14 41 18 | 10° 8'29 | 2♈11 | 19°28 | 13°23 | 1°49 | 11°17 | 26°20 | 23°46 | 23°29 | 18°21 | 22°13 | 22°48 | 11°50 | n.a. | T 20 |
| W21 | 14 45 14 | 11° 5'33 | 14°51 | 20°51 | 14°35 | 2°27 | 11°11 | 26°15 | 23°49 | 23°28 | 18°22 | 22°11 | 22°45 | 11°57 | n.a. | W21 |
| T 22 | 14 49 11 | 12° 2'37 | 27°47 | 22°18 | 15°48 | 3° 5 | 11° 5 | 26°11 | 23°52 | 23°27 | 18°23 | 22°10 | 22°42 | 12° 4 | n.a. | T 22 |
| F 23 | 14 53 8 | 12°59'42 | 11♉ 2 | 23°48 | 17° 0 | 3°43 | 10°59 | 26° 7 | 23°55 | 23°26 | 18°24 | 22° 9 | 22°39 | 12°10 | n.a. | F 23 |
| S 24 | 14 57 4 | 13°56'47 | 24°32 | 25°22 | 18°12 | 4°20 | 10°53 | 26° 3 | 23°58 | 23°25 | 18°25 | 22°D 9 | 22°35 | 12°17 | n.a. | S 24 |
| S 25 | 15 1 1 | 14°53'52 | 8♊17 | 26°59 | 19°24 | 4°58 | 10°47 | 25°59 | 24° 1 | 23°24 | 18°26 | 22°10 | 22°32 | 12°24 | n.a. | S 25 |
| M26 | 15 4 57 | 15°50'58 | 22°15 | 28°40 | 20°36 | 5°36 | 10°41 | 25°55 | 24° 4 | 23°23 | 18°27 | 22°10 | 22°29 | 12°30 | n.a. | M26 |
| T 27 | 15 8 54 | 16°48'03 | 6♋21 | 0♉25 | 21°49 | 6°14 | 10°34 | 25°51 | 24° 8 | 23°23 | 18°28 | 22°11 | 22°26 | 12°37 | n.a. | T 27 |
| W28 | 15 12 50 | 17°45'09 | 20°34 | 2°12 | 23° 1 | 6°52 | 10°28 | 25°47 | 24°11 | 23°22 | 18°30 | 22°11 | 22°23 | 12°44 | n.a. | W28 |
| T 29 | 15 16 47 | 18°42'15 | 4♌49 | 4° 3 | 24°14 | 7°30 | 10°21 | 25°43 | 24°14 | 23°21 | 18°31 | 22°11 | 22°20 | 12°51 | n.a. | T 29 |
| F 30 | 15 20 44 | 19°39'21 | 19° 5 | 5°56 | 25°26 | 8° 8 | 10°15 | 25°39 | 24°17 | 23°20 | 18°32 | 22°R11 | 22°16 | 12°57 | n.a. | F 30 |
| S 31 | 15 24 40 | 20♉36'28 | 3♍18 | 7♉52 | 26♈38 | 8♊45 | 10♐ 8 | 25♎36 | 24♊20 | 23♍20 | 18♋33 | 22♏11 | 22♏13 | 13♒ 4 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 8n46 | 17n17 | 4s35 | 0s35 | 3s25 | 5s23 | 1s46 | 18n57 | 0n56 | 22s52 | 0s 6 | 8s45 | 2n16 | 24n 8 | 0n25 | 4n29 | 2n11 | 36n27 | 13n56 | 18s46 | 19s 6 | 13s22 | | | n.a. |
| F 2 | 9 8 | 13 45 | 5 3 | 0 40 | 3 30 | 4 54 | 1 46 | 19 8 | 0 56 | 22 52 | 0 6 | 8 43 | 2 16 | 24 9 | 0 25 | 4 30 | 2 11 | 36 26 | 13 55 | 18 46 | 19 5 | 13 20 | | | n.a. |
| S 3 | 9 29 | 9 24 | 5 13 | 0 41 | 3 34 | 4 25 | 1 46 | 19 19 | 0 57 | 22 51 | 0 7 | 8 42 | 2 16 | 24 9 | 0 25 | 4 30 | 2 11 | 36 26 | 13 55 | 18 46 | 19 4 | 13 18 | | | n.a. |
| S 4 | 9 50 | 4 30 | 5 3 | 0 39 | 3 37 | 3 56 | 1 46 | 19 29 | 0 57 | 22 51 | 0 7 | 8 40 | 2 16 | 24 9 | 0 25 | 4 31 | 2 11 | 36 25 | 13 54 | 18 45 | 19 4 | 13 16 | | | n.a. |
| M 5 | 10 12 | 0s39 | 4 34 | 0 35 | 3 39 | 3 27 | 1 45 | 19 39 | 0 57 | 22 51 | 0 7 | 8 39 | 2 16 | 24 9 | 0 25 | 4 31 | 2 11 | 36 25 | 13 54 | 18 44 | 19 3 | 13 14 | | | n.a. |
| T 6 | 10 33 | 5 43 | 3 49 | 0 28 | 3 40 | 2 58 | 1 45 | 19 49 | 0 58 | 22 51 | 0 7 | 8 37 | 2 16 | 24 9 | 0 25 | 4 32 | 2 11 | 36 25 | 13 54 | 18 43 | 19 2 | 13 12 | | | n.a. |
| W 7 | 10 54 | 10 26 | 2 49 | 0 18 | 3 40 | 2 28 | 1 44 | 19 59 | 0 58 | 22 50 | 0 7 | 8 36 | 2 16 | 24 9 | 0 25 | 4 32 | 2 11 | 36 24 | 13 53 | 18 42 | 19 1 | 13 10 | | | n.a. |
| T 8 | 11 14 | 14 30 | 1 41 | 0 5 | 3 39 | 1 59 | 1 44 | 20 9 | 0 58 | 22 50 | 0 7 | 8 34 | 2 16 | 24 9 | 0 25 | 4 33 | 2 11 | 36 24 | 13 53 | 18 42 | 19 0 | 13 8 | | | n.a. |
| F 9 | 11 35 | 17 42 | 0 29 | 0n10 | 3 37 | 1 29 | 1 43 | 20 19 | 0 58 | 22 50 | 0 8 | 8 33 | 2 16 | 24 9 | 0 25 | 4 33 | 2 11 | 36 23 | 13 53 | 18 41 | 19 0 | 13 6 | | | n.a. |
| S 10 | 11 55 | 19 53 | 0n44 | 0 28 | 3 34 | 0 59 | 1 42 | 20 29 | 0 59 | 22 49 | 0 8 | 8 31 | 2 16 | 24 9 | 0 25 | 4 34 | 2 11 | 36 23 | 13 52 | 18 41 | 18 59 | 13 4 | | | n.a. |
| S 11 | 12 16 | 20 58 | 1 52 | 0 49 | 3 30 | 0 30 | 1 42 | 20 38 | 0 59 | 22 49 | 0 8 | 8 30 | 2 16 | 24 10 | 0 25 | 4 34 | 2 11 | 36 22 | 13 52 | 18 42 | 18 58 | 13 2 | | | n.a. |
| M12 | 12 36 | 20 57 | 2 53 | 1 12 | 3 26 | 0n 0 | 1 41 | 20 47 | 0 59 | 22 49 | 0 8 | 8 28 | 2 16 | 24 10 | 0 25 | 4 35 | 2 11 | 36 22 | 13 52 | 18 42 | 18 57 | 13 0 | | | n.a. |
| T 13 | 12 56 | 19 56 | 3 45 | 1 37 | 3 20 | 0 30 | 1 40 | 20 56 | 0 59 | 22 48 | 0 8 | 8 27 | 2 16 | 24 10 | 0 25 | 4 35 | 2 11 | 36 21 | 13 51 | 18 42 | 18 56 | 12 58 | | | n.a. |
| W14 | 13 15 | 18 2 | 4 27 | 2 5 | 3 14 | 1 0 | 1 39 | 21 5 | 1 0 | 22 48 | 0 9 | 8 25 | 2 15 | 24 10 | 0 25 | 4 35 | 2 11 | 36 21 | 13 51 | 18 43 | 18 56 | 12 56 | | | n.a. |
| T 15 | 13 35 | 15 22 | 4 56 | 2 34 | 3 7 | 1 30 | 1 38 | 21 14 | 1 0 | 22 47 | 0 9 | 8 24 | 2 15 | 24 10 | 0 25 | 4 36 | 2 11 | 36 20 | 13 51 | 18 43 | 18 55 | 12 54 | | | n.a. |
| F 16 | 13 54 | 12 5 | 5 12 | 3 6 | 2 59 | 2 0 | 1 37 | 21 23 | 1 0 | 22 47 | 0 9 | 8 22 | 2 15 | 24 10 | 0 25 | 4 36 | 2 11 | 36 20 | 13 50 | 18 43 | 18 54 | 12 52 | | | n.a. |
| S 17 | 14 13 | 8 19 | 5 15 | 3 40 | 2 51 | 2 30 | 1 35 | 21 32 | 1 0 | 22 46 | 0 9 | 8 21 | 2 15 | 24 10 | 0 25 | 4 37 | 2 11 | 36 20 | 13 50 | 18 43 | 18 53 | 12 50 | | | n.a. |
| S 18 | 14 32 | 4 11 | 5 5 | 4 16 | 2 43 | 3 0 | 1 34 | 21 40 | 1 1 | 22 46 | 0 9 | 8 19 | 2 15 | 24 11 | 0 25 | 4 37 | 2 11 | 36 19 | 13 50 | 18 42 | 18 52 | 12 48 | | | n.a. |
| M19 | 14 51 | 0n 9 | 4 40 | 4 54 | 2 33 | 3 29 | 1 33 | 21 48 | 1 1 | 22 45 | 0 9 | 8 18 | 2 15 | 24 11 | 0 25 | 4 37 | 2 11 | 36 19 | 13 49 | 18 42 | 18 51 | 12 46 | | | n.a. |
| T 20 | 15 9 | 4 35 | 4 2 | 5 33 | 2 23 | 3 59 | 1 32 | 21 56 | 1 1 | 22 45 | 0 10 | 8 16 | 2 15 | 24 11 | 0 25 | 4 38 | 2 11 | 36 18 | 13 49 | 18 41 | 18 51 | 12 44 | | | n.a. |
| W21 | 15 27 | 8 54 | 3 12 | 6 15 | 2 13 | 4 29 | 1 30 | 22 4 | 1 1 | 22 44 | 0 10 | 8 15 | 2 15 | 24 11 | 0 25 | 4 38 | 2 10 | 36 18 | 13 49 | 18 41 | 18 50 | 12 42 | | | n.a. |
| T 22 | 15 45 | 12 56 | 2 11 | 6 57 | 2 3 | 4 59 | 1 29 | 22 12 | 1 2 | 22 43 | 0 10 | 8 13 | 2 15 | 24 11 | 0 25 | 4 38 | 2 10 | 36 17 | 13 48 | 18 41 | 18 49 | 12 40 | | | n.a. |
| F 23 | 16 3 | 16 24 | 1 1 | 7 42 | 1 52 | 5 28 | 1 27 | 22 20 | 1 2 | 22 43 | 0 10 | 8 12 | 2 14 | 24 11 | 0 24 | 4 39 | 2 10 | 36 17 | 13 48 | 18 41 | 18 48 | 12 38 | | | n.a. |
| S 24 | 16 21 | 19 4 | 0s13 | 8 27 | 1 40 | 5 58 | 1 25 | 22 27 | 1 2 | 22 42 | 0 10 | 8 11 | 2 14 | 24 11 | 0 24 | 4 39 | 2 10 | 36 16 | 13 48 | 18 41 | 18 47 | 12 36 | | | n.a. |
| S 25 | 16 38 | 20 41 | 1 28 | 9 14 | 1 29 | 6 27 | 1 24 | 22 35 | 1 2 | 22 41 | 0 11 | 8 9 | 2 14 | 24 11 | 0 24 | 4 39 | 2 10 | 36 16 | 13 47 | 18 41 | 18 47 | 12 34 | | | n.a. |
| M26 | 16 55 | 21 3 | 2 39 | 10 1 | 1 17 | 6 56 | 1 22 | 22 42 | 1 3 | 22 41 | 0 11 | 8 8 | 2 14 | 24 12 | 0 24 | 4 40 | 2 10 | 36 15 | 13 47 | 18 41 | 18 46 | 12 32 | | | n.a. |
| T 27 | 17 12 | 20 5 | 3 41 | 10 50 | 1 5 | 7 26 | 1 20 | 22 49 | 1 3 | 22 40 | 0 11 | 8 7 | 2 14 | 24 12 | 0 24 | 4 40 | 2 10 | 36 15 | 13 47 | 18 41 | 18 45 | 12 30 | | | n.a. |
| W28 | 17 28 | 17 52 | 4 30 | 11 39 | 0 53 | 7 55 | 1 19 | 22 56 | 1 3 | 22 39 | 0 11 | 8 5 | 2 14 | 24 12 | 0 24 | 4 40 | 2 10 | 36 14 | 13 46 | 18 41 | 18 44 | 12 28 | | | n.a. |
| T 29 | 17 44 | 14 33 | 5 3 | 12 29 | 0 41 | 8 24 | 1 17 | 23 2 | 1 3 | 22 38 | 0 11 | 8 4 | 2 14 | 24 12 | 0 24 | 4 40 | 2 10 | 36 14 | 13 46 | 18 41 | 18 43 | 12 26 | | | n.a. |
| F 30 | 18 0 | 10 24 | 5 16 | 13 18 | 0 29 | 8 52 | 1 15 | 23 9 | 1 3 | 22 37 | 0 12 | 8 3 | 2 13 | 24 12 | 0 24 | 4 41 | 2 10 | 36 13 | 13 46 | 18 41 | 18 42 | 12 24 | | | n.a. |
| S 31 | 18n16 | 5n40 | 5s11 | 14n 8 | 0s17 | 9n21 | 1s13 | 23n15 | 1n 4 | 22s37 | 0s12 | 8s 1 | 2n13 | 24n12 | 0n24 | 4n41 | 2n10 | 36n13 | 13n46 | 18s41 | 18s42 | 12s22 | | | n.a. |

Julian Day Number = 994695.5, Delta T = 12h58m18s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'17, Lahiri = -31°23'16 Julian Calendar 1 May 1990 BCE == Greg. Calendar 14 Apr. 1990 BCE

The year -1989 astronomical counting style corresponds to year 1990 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## JUNE 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 28 37 | 21♉33'34 | 17♍25 | 9♉50 | 27♈51 | 9♊23 | 10°R 1 | 25°R32 | 24♊24 | 23°R19 | 18♋35 | 22°R11 | 22♏10 | 13♒11 | n.a. | S 1 |
| M 2 | 15 32 33 | 22°30'41 | 1♎26 | 11°51 | 29° 3 | 10° 1 | 9♐54 | 25♎28 | 24°27 | 23♍18 | 18°36 | 22°D11 | 22° 7 | 13°18 | n.a. | M 2 |
| T 3 | 15 36 30 | 23°27'48 | 15°16 | 13°53 | 0♉16 | 10°39 | 9°47 | 25°25 | 24°30 | 23°18 | 18°37 | 22♏11 | 22° 4 | 13°24 | n.a. | T 3 |
| W 4 | 15 40 26 | 24°24'56 | 28°55 | 15°57 | 1°29 | 11°17 | 9°40 | 25°21 | 24°34 | 23°17 | 18°39 | 22°11 | 22° 0 | 13°31 | n.a. | W 4 |
| T 5 | 15 44 23 | 25°22'05 | 12♏20 | 18° 3 | 2°41 | 11°55 | 9°32 | 25°18 | 24°37 | 23°17 | 18°40 | 22°12 | 21°57 | 13°38 | n.a. | T 5 |
| F 6 | 15 48 19 | 26°19'14 | 25°31 | 20° 9 | 3°54 | 12°33 | 9°25 | 25°14 | 24°40 | 23°16 | 18°42 | 22°R12 | 21°54 | 13°44 | n.a. | F 6 |
| S 7 | 15 52 16 | 27°16'24 | 8♐26 | 22°16 | 5° 7 | 13°11 | 9°18 | 25°11 | 24°44 | 23°16 | 18°43 | 22°11 | 21°51 | 13°51 | n.a. | S 7 |
| S 8 | 15 56 13 | 28°13'34 | 21° 6 | 24°23 | 6°20 | 13°49 | 9°10 | 25° 8 | 24°47 | 23°15 | 18°45 | 22°11 | 21°48 | 13°58 | n.a. | S 8 |
| M 9 | 16 0 9 | 29°10'46 | 3♑31 | 26°30 | 7°32 | 14°27 | 9° 3 | 25° 4 | 24°51 | 23°15 | 18°46 | 22°10 | 21°45 | 14° 5 | n.a. | M 9 |
| T 10 | 16 4 6 | 0♊ 7'59 | 15°44 | 28°37 | 8°45 | 15° 5 | 8°55 | 25° 1 | 24°54 | 23°14 | 18°48 | 22° 9 | 21°41 | 14°11 | n.a. | T 10 |
| W11 | 16 8 2 | 1° 5'12 | 27°47 | 0♊44 | 9°58 | 15°43 | 8°47 | 24°58 | 24°58 | 23°14 | 18°49 | 22° 8 | 21°38 | 14°18 | n.a. | W11 |
| T 12 | 16 11 59 | 2° 2'27 | 9♒43 | 2°50 | 11°11 | 16°21 | 8°40 | 24°55 | 25° 1 | 23°14 | 18°51 | 22° 7 | 21°35 | 14°25 | n.a. | T 12 |
| F 13 | 16 15 55 | 2°59'43 | 21°36 | 4°55 | 12°24 | 16°59 | 8°32 | 24°52 | 25° 5 | 23°13 | 18°52 | 22° 6 | 21°32 | 14°32 | n.a. | F 13 |
| S 14 | 16 19 52 | 3°57'01 | 3♓31 | 7° 0 | 13°37 | 17°37 | 8°24 | 24°49 | 25° 8 | 23°13 | 18°54 | 22°D 6 | 21°29 | 14°38 | n.a. | S 14 |
| S 15 | 16 23 49 | 4°54'19 | 15°32 | 9° 3 | 14°50 | 18°15 | 8°17 | 24°46 | 25°12 | 23°13 | 18°55 | 22° 6 | 21°26 | 14°45 | n.a. | S 15 |
| M16 | 16 27 45 | 5°51'39 | 27°43 | 11° 5 | 16° 3 | 18°53 | 8° 9 | 24°43 | 25°15 | 23°12 | 18°57 | 22° 7 | 21°22 | 14°52 | n.a. | M16 |
| T 17 | 16 31 42 | 6°49'00 | 10♈ 9 | 13° 5 | 17°16 | 19°31 | 8° 1 | 24°41 | 25°19 | 23°12 | 18°59 | 22° 8 | 21°19 | 14°58 | n.a. | T 17 |
| W18 | 16 35 38 | 7°46'23 | 22°53 | 15° 4 | 18°30 | 20° 9 | 7°53 | 24°38 | 25°23 | 23°12 | 19° 0 | 22°10 | 21°16 | 15° 5 | n.a. | W18 |
| T 19 | 16 39 35 | 8°43'46 | 5♉59 | 17° 2 | 19°43 | 20°47 | 7°45 | 24°36 | 25°26 | 23°12 | 19° 2 | 22°11 | 21°13 | 15°12 | n.a. | T 19 |
| F 20 | 16 43 31 | 9°41'12 | 19°27 | 18°58 | 20°56 | 21°25 | 7°38 | 24°33 | 25°30 | 23°12 | 19° 4 | 22°R11 | 21°10 | 15°19 | n.a. | F 20 |
| S 21 | 16 47 28 | 10°38'38 | 3♊16 | 20°53 | 22° 9 | 22° 3 | 7°30 | 24°31 | 25°34 | 23°12 | 19° 6 | 22°11 | 21° 6 | 15°25 | n.a. | S 21 |
| S 22 | 16 51 24 | 11°36'06 | 17°26 | 22°46 | 23°23 | 22°41 | 7°22 | 24°28 | 25°37 | 23°D12 | 19° 7 | 22°10 | 21° 3 | 15°32 | n.a. | S 22 |
| M23 | 16 55 21 | 12°33'36 | 1♋50 | 24°38 | 24°36 | 23°19 | 7°14 | 24°26 | 25°41 | 23°12 | 19° 9 | 22° 8 | 21° 0 | 15°39 | n.a. | M23 |
| T 24 | 16 59 18 | 13°31'06 | 16°25 | 26°28 | 25°50 | 23°58 | 7° 7 | 24°24 | 25°45 | 23°12 | 19°11 | 22° 5 | 20°57 | 15°45 | n.a. | T 24 |
| W25 | 17 3 14 | 14°28'37 | 1♌ 2 | 28°16 | 27° 3 | 24°36 | 6°59 | 24°22 | 25°48 | 23°12 | 19°13 | 22° 2 | 20°54 | 15°52 | n.a. | W25 |
| T 26 | 17 7 11 | 15°26'10 | 15°36 | 0♋ 3 | 28°16 | 25°14 | 6°51 | 24°20 | 25°52 | 23°12 | 19°15 | 21°59 | 20°51 | 15°59 | n.a. | T 26 |
| F 27 | 17 11 7 | 16°23'43 | 0♍ 2 | 1°49 | 29°30 | 25°52 | 6°44 | 24°18 | 25°56 | 23°12 | 19°16 | 21°58 | 20°47 | 16° 6 | n.a. | F 27 |
| S 28 | 17 15 4 | 17°21'18 | 14°16 | 3°33 | 0♊44 | 26°30 | 6°36 | 24°16 | 25°59 | 23°12 | 19°18 | 21°D57 | 20°44 | 16°12 | n.a. | S 28 |
| S 29 | 17 19 0 | 18°18'54 | 28°15 | 5°15 | 1°57 | 27° 9 | 6°29 | 24°15 | 26° 3 | 23°12 | 19°20 | 21°57 | 20°41 | 16°19 | n.a. | S 29 |
| M30 | 17 22 57 | 19♊16'31 | 11♎59 | 6♋56 | 3♊11 | 27♊47 | 6♐21 | 24♎13 | 26♊ 7 | 23♍13 | 19♋22 | 21♏58 | 20♏38 | 16♒26 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 18n31 | 0n41 | 4s47 | 14n58 | 0s 6 | 9n49 | 1s11 | 23n21 | 1n 4 | 22s36 | 0s12 | 8s 0 | 2n13 | 24n12 | 0n24 | 4n41 | 2n10 | 36n12 | 13n45 | 18s41 | 18s41 | 12s20 | | n.a. | S 1 |
| M 2 | 18 46 | 4s19 | 4 6 | 15 47 | 0n 5 | 10 17 | 1 9 | 23 27 | 1 4 | 22 35 | 0 12 | 7 59 | 2 13 | 24 13 | 0 24 | 4 41 | 2 10 | 36 12 | 13 45 | 18 41 | 18 40 | 12 18 | | n.a. | M 2 |
| T 3 | 19 1 | 9 3 | 3 11 | 16 35 | 0 16 | 10 45 | 1 7 | 23 33 | 1 4 | 22 34 | 0 12 | 7 58 | 2 13 | 24 13 | 0 24 | 4 41 | 2 10 | 36 11 | 13 45 | 18 41 | 18 39 | 12 16 | | n.a. | T 3 |
| W 4 | 19 15 | 13 15 | 2 6 | 17 22 | 0 27 | 11 13 | 1 5 | 23 39 | 1 4 | 22 33 | 0 12 | 7 57 | 2 13 | 24 13 | 0 24 | 4 42 | 2 10 | 36 11 | 13 44 | 18 41 | 18 38 | 12 14 | | n.a. | W 4 |
| T 5 | 19 29 | 16 43 | 0 54 | 18 8 | 0 37 | 11 40 | 1 3 | 23 44 | 1 5 | 22 32 | 0 13 | 7 56 | 2 12 | 24 13 | 0 24 | 4 42 | 2 10 | 36 10 | 13 44 | 18 41 | 18 37 | 12 12 | | n.a. | T 5 |
| F 6 | 19 43 | 19 14 | 0n18 | 18 53 | 0 47 | 12 8 | 1 0 | 23 50 | 1 5 | 22 31 | 0 13 | 7 54 | 2 12 | 24 13 | 0 24 | 4 42 | 2 10 | 36 10 | 13 44 | 18 41 | 18 36 | 12 10 | | n.a. | F 6 |
| S 7 | 19 57 | 20 42 | 1 29 | 19 36 | 0 56 | 12 35 | 0 58 | 23 55 | 1 5 | 22 30 | 0 13 | 7 53 | 2 12 | 24 13 | 0 24 | 4 42 | 2 9 | 36 9 | 13 44 | 18 41 | 18 36 | 12 8 | | n.a. | S 7 |
| S 8 | 20 10 | 21 4 | 2 33 | 20 17 | 1 4 | 13 1 | 0 56 | 24 0 | 1 5 | 22 29 | 0 13 | 7 52 | 2 12 | 24 13 | 0 24 | 4 42 | 2 9 | 36 9 | 13 43 | 18 41 | 18 35 | 12 6 | | n.a. | S 8 |
| M 9 | 20 23 | 20 23 | 3 29 | 20 55 | 1 12 | 13 28 | 0 54 | 24 4 | 1 5 | 22 28 | 0 13 | 7 51 | 2 12 | 24 14 | 0 24 | 4 42 | 2 9 | 36 8 | 13 43 | 18 41 | 18 34 | 12 3 | | n.a. | M 9 |
| T 10 | 20 35 | 18 45 | 4 15 | 21 32 | 1 19 | 13 54 | 0 51 | 24 9 | 1 5 | 22 27 | 0 14 | 7 50 | 2 12 | 24 14 | 0 24 | 4 42 | 2 9 | 36 8 | 13 43 | 18 40 | 18 33 | 12 1 | | n.a. | T 10 |
| W11 | 20 47 | 16 19 | 4 48 | 22 6 | 1 25 | 14 19 | 0 49 | 24 13 | 1 6 | 22 26 | 0 14 | 7 49 | 2 11 | 24 14 | 0 24 | 4 43 | 2 9 | 36 7 | 13 43 | 18 40 | 18 32 | 11 59 | | n.a. | W11 |
| T 12 | 20 59 | 13 13 | 5 9 | 22 38 | 1 31 | 14 45 | 0 47 | 24 18 | 1 6 | 22 25 | 0 14 | 7 48 | 2 11 | 24 14 | 0 24 | 4 43 | 2 9 | 36 7 | 13 42 | 18 40 | 18 31 | 11 57 | | n.a. | T 12 |
| F 13 | 21 11 | 9 36 | 5 16 | 23 7 | 1 36 | 15 10 | 0 44 | 24 22 | 1 6 | 22 24 | 0 14 | 7 47 | 2 11 | 24 14 | 0 24 | 4 43 | 2 9 | 36 6 | 13 42 | 18 40 | 18 31 | 11 55 | | n.a. | F 13 |
| S 14 | 21 22 | 5 37 | 5 10 | 23 33 | 1 40 | 15 35 | 0 42 | 24 26 | 1 6 | 22 23 | 0 14 | 7 47 | 2 11 | 24 14 | 0 24 | 4 43 | 2 9 | 36 6 | 13 42 | 18 40 | 18 30 | 11 53 | | n.a. | S 14 |
| S 15 | 21 33 | 1 22 | 4 50 | 23 57 | 1 44 | 15 59 | 0 39 | 24 29 | 1 6 | 22 22 | 0 14 | 7 46 | 2 11 | 24 14 | 0 24 | 4 43 | 2 9 | 36 5 | 13 42 | 18 40 | 18 29 | 11 51 | | n.a. | S 15 |
| M16 | 21 43 | 3n 0 | 4 17 | 24 19 | 1 46 | 16 23 | 0 37 | 24 33 | 1 6 | 22 21 | 0 15 | 7 45 | 2 10 | 24 15 | 0 24 | 4 43 | 2 9 | 36 5 | 13 41 | 18 40 | 18 28 | 11 49 | | n.a. | M16 |
| T 17 | 21 53 | 7 20 | 3 32 | 24 37 | 1 49 | 16 47 | 0 35 | 24 36 | 1 7 | 22 20 | 0 15 | 7 44 | 2 10 | 24 15 | 0 24 | 4 43 | 2 9 | 36 4 | 13 41 | 18 40 | 18 27 | 11 47 | | n.a. | T 17 |
| W18 | 22 3 | 11 28 | 2 35 | 24 53 | 1 50 | 17 10 | 0 32 | 24 39 | 1 7 | 22 19 | 0 15 | 7 43 | 2 10 | 24 15 | 0 24 | 4 43 | 2 9 | 36 4 | 13 41 | 18 41 | 18 26 | 11 45 | | n.a. | W18 |
| T 19 | 22 12 | 15 10 | 1 28 | 25 7 | 1 51 | 17 33 | 0 30 | 24 42 | 1 7 | 22 18 | 0 15 | 7 43 | 2 10 | 24 15 | 0 24 | 4 43 | 2 9 | 36 4 | 13 41 | 18 41 | 18 26 | 11 43 | | n.a. | T 19 |
| F 20 | 22 21 | 18 11 | 0 15 | 25 18 | 1 51 | 17 55 | 0 27 | 24 45 | 1 7 | 22 16 | 0 15 | 7 42 | 2 10 | 24 15 | 0 24 | 4 43 | 2 9 | 36 3 | 13 41 | 18 41 | 18 25 | 11 41 | | n.a. | F 20 |
| S 21 | 22 30 | 20 14 | 1s 1 | 25 27 | 1 51 | 18 17 | 0 25 | 24 48 | 1 7 | 22 15 | 0 15 | 7 41 | 2 9 | 24 15 | 0 24 | 4 43 | 2 9 | 36 3 | 13 40 | 18 41 | 18 24 | 11 39 | | n.a. | S 21 |
| S 22 | 22 38 | 21 5 | 2 15 | 25 33 | 1 50 | 18 38 | 0 22 | 24 50 | 1 7 | 22 14 | 0 16 | 7 40 | 2 9 | 24 15 | 0 24 | 4 43 | 2 8 | 36 2 | 13 40 | 18 41 | 18 23 | 11 37 | | n.a. | S 22 |
| M23 | 22 45 | 20 33 | 3 21 | 25 37 | 1 49 | 18 59 | 0 20 | 24 52 | 1 7 | 22 13 | 0 16 | 7 40 | 2 9 | 24 15 | 0 24 | 4 43 | 2 8 | 36 2 | 13 40 | 18 40 | 18 22 | 11 35 | | n.a. | M23 |
| T 24 | 22 53 | 18 40 | 4 16 | 25 39 | 1 47 | 19 20 | 0 17 | 24 54 | 1 8 | 22 12 | 0 16 | 7 39 | 2 9 | 24 16 | 0 24 | 4 43 | 2 8 | 36 1 | 13 40 | 18 39 | 18 21 | 11 33 | | n.a. | T 24 |
| W25 | 23 0 | 15 34 | 4 53 | 25 39 | 1 45 | 19 39 | 0 15 | 24 56 | 1 8 | 22 11 | 0 16 | 7 39 | 2 8 | 24 16 | 0 24 | 4 43 | 2 8 | 36 1 | 13 40 | 18 39 | 18 20 | 11 31 | | n.a. | W25 |
| T 26 | 23 6 | 11 31 | 5 12 | 25 37 | 1 42 | 19 59 | 0 12 | 24 58 | 1 8 | 22 10 | 0 16 | 7 38 | 2 8 | 24 16 | 0 24 | 4 42 | 2 8 | 36 0 | 13 39 | 18 38 | 18 20 | 11 29 | | n.a. | T 26 |
| F 27 | 23 13 | 6 51 | 5 11 | 25 33 | 1 38 | 20 18 | 0 9 | 24 59 | 1 8 | 22 8 | 0 16 | 7 38 | 2 8 | 24 16 | 0 24 | 4 42 | 2 8 | 36 0 | 13 39 | 18 37 | 18 19 | 11 26 | | n.a. | F 27 |
| S 28 | 23 18 | 1 51 | 4 51 | 25 27 | 1 34 | 20 36 | 0 7 | 25 0 | 1 8 | 22 7 | 0 17 | 7 37 | 2 8 | 24 16 | 0 24 | 4 42 | 2 8 | 35 59 | 13 39 | 18 37 | 18 18 | 11 24 | | n.a. | S 28 |
| S 29 | 23 24 | 3s 9 | 4 13 | 25 19 | 1 30 | 20 54 | 0 4 | 25 2 | 1 8 | 22 6 | 0 17 | 7 37 | 2 7 | 24 16 | 0 25 | 4 42 | 2 8 | 35 59 | 13 39 | 18 37 | 18 17 | 11 22 | | n.a. | S 29 |
| M30 | 23n29 | 7s55 | 3s22 | 25n10 | 1n26 | 21n11 | 0s 2 | 25n 2 | 1n 8 | 22s 5 | 0s17 | 7s36 | 2n 7 | 24n16 | 0n25 | 4n42 | 2n 8 | 35n58 | 13n39 | 18s38 | 18s16 | 11s20 | | n.a. | M30 |

Julian Day Number = 994726.5, Delta T = 12h58m16s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'13, Lahiri = -31°23'12 Julian Calendar 1 June 1990 BCE == Greg. Calendar 15 May 1990 BCE


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## JULY 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 26 53 | 20♊14'09 | 25♎28 | 8♋36 | 4♊24 | 28♊25 | 6°R14 | 24°R12 | 26♊11 | 23♍13 | 19♋24 | 22♏ 0 | 20♏35 | 16♒33 | n.a. | T 1 |
| W 2 | 17 30 50 | 21°11'48 | 8♏43 | 10°14 | 5°38 | 29° 3 | 6♐ 7 | 24♎10 | 26°14 | 23°13 | 19°26 | 22° 1 | 20°31 | 16°39 | n.a. | W 2 |
| T 3 | 17 34 47 | 22° 9'29 | 21°45 | 11°50 | 6°52 | 29°42 | 5°59 | 24° 9 | 26°18 | 23°14 | 19°28 | 22°R 2 | 20°28 | 16°46 | n.a. | T 3 |
| F 4 | 17 38 43 | 23° 7'11 | 4♐34 | 13°25 | 8° 6 | 0♋20 | 5°52 | 24° 8 | 26°22 | 23°14 | 19°30 | 22° 1 | 20°25 | 16°53 | n.a. | F 4 |
| S 5 | 17 42 40 | 24° 4'55 | 17°11 | 14°59 | 9°20 | 0°58 | 5°45 | 24° 6 | 26°26 | 23°14 | 19°32 | 21°59 | 20°22 | 16°59 | n.a. | S 5 |
| S 6 | 17 46 36 | 25° 2'41 | 29°37 | 16°31 | 10°33 | 1°37 | 5°38 | 24° 5 | 26°29 | 23°15 | 19°34 | 21°55 | 20°19 | 17° 6 | n.a. | S 6 |
| M 7 | 17 50 33 | 26° 0'28 | 11♑53 | 18° 1 | 11°47 | 2°15 | 5°32 | 24° 4 | 26°33 | 23°15 | 19°36 | 21°50 | 20°16 | 17°13 | n.a. | M 7 |
| T 8 | 17 54 29 | 26°58'16 | 24° 0 | 19°31 | 13° 1 | 2°54 | 5°25 | 24° 3 | 26°37 | 23°16 | 19°38 | 21°44 | 20°12 | 17°20 | n.a. | T 8 |
| W 9 | 17 58 26 | 27°56'07 | 5♒59 | 20°58 | 14°15 | 3°32 | 5°18 | 24° 3 | 26°41 | 23°16 | 19°40 | 21°37 | 20° 9 | 17°26 | n.a. | W 9 |
| T 10 | 18 2 23 | 28°53'59 | 17°53 | 22°24 | 15°29 | 4°10 | 5°12 | 24° 2 | 26°44 | 23°17 | 19°42 | 21°31 | 20° 6 | 17°33 | n.a. | T 10 |
| F 11 | 18 6 19 | 29°51'54 | 29°45 | 23°49 | 16°43 | 4°49 | 5° 5 | 24° 1 | 26°48 | 23°17 | 19°44 | 21°26 | 20° 3 | 17°40 | n.a. | F 11 |
| S 12 | 18 10 16 | 0♋49'50 | 11♓38 | 25°12 | 17°57 | 5°27 | 4°59 | 24° 1 | 26°52 | 23°18 | 19°46 | 21°23 | 20° 0 | 17°47 | n.a. | S 12 |
| S 13 | 18 14 12 | 1°47'48 | 23°37 | 26°34 | 19°11 | 6° 6 | 4°53 | 24° 0 | 26°56 | 23°19 | 19°48 | 21°21 | 19°57 | 17°53 | n.a. | S 13 |
| M14 | 18 18 9 | 2°45'48 | 5♈45 | 27°53 | 20°26 | 6°44 | 4°47 | 24° 0 | 26°59 | 23°19 | 19°50 | 21°D20 | 19°53 | 18° 0 | n.a. | M14 |
| T 15 | 18 22 5 | 3°43'51 | 18° 8 | 29°11 | 21°40 | 7°23 | 4°41 | 24° 0 | 27° 3 | 23°20 | 19°52 | 21°21 | 19°50 | 18° 7 | n.a. | T 15 |
| W16 | 18 26 2 | 4°41'55 | 0♉51 | 0♌28 | 22°54 | 8° 1 | 4°35 | 24° 0 | 27° 7 | 23°21 | 19°54 | 21°23 | 19°47 | 18°13 | n.a. | W16 |
| T 17 | 18 29 58 | 5°40'02 | 13°57 | 1°43 | 24° 8 | 8°40 | 4°29 | 24°D 0 | 27°11 | 23°21 | 19°56 | 21°24 | 19°44 | 18°20 | n.a. | T 17 |
| F 18 | 18 33 55 | 6°38'11 | 27°29 | 2°55 | 25°23 | 9°18 | 4°24 | 24° 0 | 27°14 | 23°22 | 19°58 | 21°R24 | 19°41 | 18°27 | n.a. | F 18 |
| S 19 | 18 37 51 | 7°36'22 | 11♊28 | 4° 6 | 26°37 | 9°57 | 4°18 | 24° 0 | 27°18 | 23°23 | 20° 0 | 21°22 | 19°37 | 18°34 | n.a. | S 19 |
| S 20 | 18 41 48 | 8°34'35 | 25°53 | 5°15 | 27°51 | 10°36 | 4°13 | 24° 0 | 27°22 | 23°24 | 20° 2 | 21°18 | 19°34 | 18°40 | n.a. | S 20 |
| M21 | 18 45 45 | 9°32'50 | 10♋38 | 6°22 | 29° 6 | 11°14 | 4° 8 | 24° 1 | 27°25 | 23°25 | 20° 4 | 21°13 | 19°31 | 18°47 | n.a. | M21 |
| T 22 | 18 49 41 | 10°31'07 | 25°37 | 7°26 | 0♋20 | 11°53 | 4° 3 | 24° 1 | 27°29 | 23°26 | 20° 7 | 21° 6 | 19°28 | 18°54 | n.a. | T 22 |
| W23 | 18 53 38 | 11°29'26 | 10♌40 | 8°28 | 1°35 | 12°32 | 3°58 | 24° 2 | 27°33 | 23°27 | 20° 9 | 20°58 | 19°25 | 19° 1 | n.a. | W23 |
| T 24 | 18 57 34 | 12°27'46 | 25°37 | 9°28 | 2°49 | 13°10 | 3°54 | 24° 2 | 27°36 | 23°28 | 20°11 | 20°51 | 19°22 | 19° 7 | n.a. | T 24 |
| F 25 | 19 1 31 | 13°26'09 | 10♍20 | 10°25 | 4° 4 | 13°49 | 3°50 | 24° 3 | 27°40 | 23°29 | 20°13 | 20°45 | 19°18 | 19°14 | n.a. | F 25 |
| S 26 | 19 5 27 | 14°24'33 | 24°44 | 11°19 | 5°18 | 14°28 | 3°45 | 24° 4 | 27°44 | 23°30 | 20°15 | 20°41 | 19°15 | 19°21 | n.a. | S 26 |
| S 27 | 19 9 24 | 15°22'58 | 8♎46 | 12°10 | 6°33 | 15° 7 | 3°41 | 24° 5 | 27°47 | 23°31 | 20°17 | 20°40 | 19°12 | 19°27 | n.a. | S 27 |
| M28 | 19 13 20 | 16°21'26 | 22°26 | 12°58 | 7°48 | 15°45 | 3°37 | 24° 6 | 27°51 | 23°32 | 20°19 | 20°D39 | 19° 9 | 19°34 | n.a. | M28 |
| T 29 | 19 17 17 | 17°19'55 | 5♏44 | 13°42 | 9° 2 | 16°24 | 3°34 | 24° 7 | 27°55 | 23°33 | 20°21 | 20°40 | 19° 6 | 19°41 | n.a. | T 29 |
| W30 | 19 21 14 | 18°18'26 | 18°43 | 14°23 | 10°17 | 17° 3 | 3°30 | 24° 8 | 27°58 | 23°34 | 20°24 | 20°R41 | 19° 3 | 19°48 | n.a. | W30 |
| T 31 | 19 25 10 | 19♋16'59 | 1♐28 | 15♌ 0 | 11♋32 | 17♋42 | 3♐27 | 24♎10 | 28♊ 2 | 23♍35 | 20♋26 | 20♏40 | 18♏59 | 19♒54 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 23n33 | 12s13 | 2s20 | 24n59 | 1n21 | 21n28 | 0n 1 | 25n 3 | 1n 8 | 22s 4 | 0s17 | 7s36 | 2n 7 | 24n16 | 0n25 | 4n42 | 2n 8 | 35n58 | 13n39 | 18s38 | 18s15 | 11s18 | | | n.a. |
| W 2 | 23 37 | 15 50 | 1 12 | 24 46 | 1 15 | 21 44 | 0 3 | 25 4 | 1 9 | 22 3 | 0 17 | 7 36 | 2 7 | 24 17 | 0 25 | 4 42 | 2 8 | 35 58 | 13 39 | 18 38 | 18 14 | 11 16 | | | n.a. |
| T 3 | 23 41 | 18 36 | 0 2 | 24 32 | 1 9 | 21 59 | 0 6 | 25 4 | 1 9 | 22 1 | 0 17 | 7 36 | 2 7 | 24 17 | 0 25 | 4 41 | 2 8 | 35 57 | 13 38 | 18 39 | 18 14 | 11 14 | | | n.a. |
| F 4 | 23 44 | 20 22 | 1n 8 | 24 17 | 1 3 | 22 14 | 0 8 | 25 4 | 1 9 | 22 0 | 0 17 | 7 35 | 2 6 | 24 17 | 0 25 | 4 41 | 2 8 | 35 57 | 13 38 | 18 38 | 18 13 | 11 12 | | | n.a. |
| S 5 | 23 47 | 21 5 | 2 13 | 24 0 | 0 57 | 22 28 | 0 11 | 25 4 | 1 9 | 21 59 | 0 18 | 7 35 | 2 6 | 24 17 | 0 25 | 4 41 | 2 8 | 35 56 | 13 38 | 18 38 | 18 12 | 11 10 | | | n.a. |
| S 6 | 23 50 | 20 45 | 3 11 | 23 43 | 0 50 | 22 42 | 0 13 | 25 4 | 1 9 | 21 58 | 0 18 | 7 35 | 2 6 | 24 17 | 0 25 | 4 41 | 2 7 | 35 56 | 13 38 | 18 37 | 18 11 | 11 8 | | | n.a. |
| M 7 | 23 52 | 19 25 | 3 59 | 23 24 | 0 43 | 22 54 | 0 15 | 25 3 | 1 9 | 21 57 | 0 18 | 7 35 | 2 6 | 24 17 | 0 25 | 4 40 | 2 7 | 35 55 | 13 38 | 18 35 | 18 10 | 11 6 | | | n.a. |
| T 8 | 23 53 | 17 14 | 4 35 | 23 4 | 0 36 | 23 7 | 0 18 | 25 2 | 1 9 | 21 56 | 0 18 | 7 35 | 2 5 | 24 17 | 0 25 | 4 40 | 2 7 | 35 55 | 13 38 | 18 34 | 18 9 | 11 4 | | | n.a. |
| W 9 | 23 54 | 14 20 | 4 59 | 22 43 | 0 29 | 23 18 | 0 20 | 25 2 | 1 9 | 21 55 | 0 18 | 7 35 | 2 5 | 24 17 | 0 25 | 4 40 | 2 7 | 35 55 | 13 38 | 18 32 | 18 8 | 11 2 | | | n.a. |
| T 10 | 23 55 | 10 52 | 5 10 | 22 21 | 0 21 | 23 29 | 0 23 | 25 1 | 1 9 | 21 54 | 0 18 | 7 35 | 2 5 | 24 17 | 0 25 | 4 40 | 2 7 | 35 54 | 13 38 | 18 30 | 18 7 | 11 0 | | | n.a. |
| F 11 | 23 55 | 7 0 | 5 7 | 21 59 | 0 13 | 23 39 | 0 25 | 24 59 | 1 9 | 21 53 | 0 19 | 7 35 | 2 5 | 24 18 | 0 25 | 4 39 | 2 7 | 35 54 | 13 38 | 18 29 | 18 7 | 10 57 | | | n.a. |
| S 12 | 23 55 | 2 52 | 4 51 | 21 36 | 0 5 | 23 49 | 0 27 | 24 58 | 1 9 | 21 52 | 0 19 | 7 35 | 2 4 | 24 18 | 0 25 | 4 39 | 2 7 | 35 53 | 13 38 | 18 28 | 18 6 | 10 55 | | | n.a. |
| S 13 | 23 54 | 1n25 | 4 23 | 21 12 | 0s 4 | 23 58 | 0 29 | 24 56 | 1 10 | 21 51 | 0 19 | 7 35 | 2 4 | 24 18 | 0 25 | 4 39 | 2 7 | 35 53 | 13 37 | 18 28 | 18 5 | 10 53 | | | n.a. |
| M14 | 23 53 | 5 43 | 3 42 | 20 48 | 0 12 | 24 6 | 0 32 | 24 54 | 1 10 | 21 50 | 0 19 | 7 35 | 2 4 | 24 18 | 0 25 | 4 38 | 2 7 | 35 52 | 13 37 | 18 28 | 18 4 | 10 51 | | | n.a. |
| T 15 | 23 52 | 9 52 | 2 50 | 20 23 | 0 21 | 24 13 | 0 34 | 24 52 | 1 10 | 21 49 | 0 19 | 7 35 | 2 4 | 24 18 | 0 25 | 4 38 | 2 7 | 35 52 | 13 37 | 18 28 | 18 3 | 10 49 | | | n.a. |
| W16 | 23 50 | 13 42 | 1 49 | 19 58 | 0 30 | 24 20 | 0 36 | 24 50 | 1 10 | 21 48 | 0 19 | 7 35 | 2 3 | 24 18 | 0 25 | 4 38 | 2 7 | 35 52 | 13 37 | 18 28 | 18 2 | 10 47 | | | n.a. |
| T 17 | 23 48 | 16 59 | 0 40 | 19 33 | 0 39 | 24 26 | 0 38 | 24 48 | 1 10 | 21 47 | 0 19 | 7 35 | 2 3 | 24 18 | 0 25 | 4 37 | 2 7 | 35 51 | 13 37 | 18 28 | 18 1 | 10 45 | | | n.a. |
| F 18 | 23 45 | 19 28 | 0s33 | 19 7 | 0 48 | 24 31 | 0 40 | 24 45 | 1 10 | 21 46 | 0 19 | 7 36 | 2 3 | 24 18 | 0 25 | 4 37 | 2 7 | 35 51 | 13 37 | 18 28 | 18 0 | 10 43 | | | n.a. |
| S 19 | 23 42 | 20 51 | 1 46 | 18 41 | 0 58 | 24 35 | 0 43 | 24 42 | 1 10 | 21 45 | 0 20 | 7 36 | 2 3 | 24 18 | 0 25 | 4 36 | 2 7 | 35 51 | 13 37 | 18 28 | 18 0 | 10 41 | | | n.a. |
| S 20 | 23 38 | 20 56 | 2 55 | 18 15 | 1 7 | 24 39 | 0 45 | 24 39 | 1 10 | 21 44 | 0 20 | 7 36 | 2 2 | 24 18 | 0 25 | 4 36 | 2 6 | 35 50 | 13 37 | 18 27 | 17 59 | 10 39 | | | n.a. |
| M21 | 23 34 | 19 36 | 3 54 | 17 49 | 1 17 | 24 42 | 0 47 | 24 36 | 1 10 | 21 43 | 0 20 | 7 37 | 2 2 | 24 18 | 0 25 | 4 36 | 2 6 | 35 50 | 13 37 | 18 25 | 17 58 | 10 37 | | | n.a. |
| T 22 | 23 30 | 16 55 | 4 37 | 17 24 | 1 26 | 24 44 | 0 49 | 24 33 | 1 10 | 21 43 | 0 20 | 7 37 | 2 2 | 24 19 | 0 25 | 4 35 | 2 6 | 35 49 | 13 37 | 18 24 | 17 57 | 10 34 | | | n.a. |
| W23 | 23 25 | 13 5 | 5 2 | 16 58 | 1 36 | 24 45 | 0 50 | 24 29 | 1 10 | 21 42 | 0 20 | 7 37 | 2 2 | 24 19 | 0 25 | 4 35 | 2 6 | 35 49 | 13 37 | 18 22 | 17 56 | 10 32 | | | n.a. |
| T 24 | 23 19 | 8 27 | 5 5 | 16 33 | 1 46 | 24 46 | 0 52 | 24 25 | 1 10 | 21 41 | 0 20 | 7 38 | 2 1 | 24 19 | 0 25 | 4 34 | 2 6 | 35 49 | 13 37 | 18 20 | 17 55 | 10 30 | | | n.a. |
| F 25 | 23 14 | 3 24 | 4 49 | 16 8 | 1 55 | 24 46 | 0 54 | 24 21 | 1 10 | 21 40 | 0 20 | 7 38 | 2 1 | 24 19 | 0 25 | 4 34 | 2 6 | 35 48 | 13 37 | 18 18 | 17 54 | 10 28 | | | n.a. |
| S 26 | 23 7 | 1s45 | 4 14 | 15 44 | 2 5 | 24 45 | 0 56 | 24 17 | 1 10 | 21 40 | 0 20 | 7 39 | 2 1 | 24 19 | 0 25 | 4 33 | 2 6 | 35 48 | 13 37 | 18 17 | 17 53 | 10 26 | | | n.a. |
| S 27 | 23 1 | 6 41 | 3 25 | 15 20 | 2 15 | 24 43 | 0 58 | 24 13 | 1 10 | 21 39 | 0 20 | 7 40 | 2 1 | 24 19 | 0 25 | 4 33 | 2 6 | 35 48 | 13 37 | 18 17 | 17 53 | 10 24 | | | n.a. |
| M28 | 22 54 | 11 8 | 2 25 | 14 58 | 2 24 | 24 41 | 0 59 | 24 8 | 1 10 | 21 38 | 0 21 | 7 40 | 2 0 | 24 19 | 0 25 | 4 32 | 2 6 | 35 47 | 13 37 | 18 17 | 17 52 | 10 22 | | | n.a. |
| T 29 | 22 46 | 14 56 | 1 19 | 14 36 | 2 34 | 24 37 | 1 1 | 24 3 | 1 10 | 21 38 | 0 21 | 7 41 | 2 0 | 24 19 | 0 25 | 4 32 | 2 6 | 35 47 | 13 37 | 18 17 | 17 51 | 10 20 | | | n.a. |
| W30 | 22 38 | 17 55 | 0 10 | 14 15 | 2 43 | 24 33 | 1 3 | 23 58 | 1 10 | 21 37 | 0 21 | 7 42 | 2 0 | 24 19 | 0 25 | 4 31 | 2 6 | 35 47 | 13 37 | 18 17 | 17 50 | 10 18 | | | n.a. |
| T 31 | 22n30 | 19s56 | 0n57 | 13n56 | 2s52 | 24n29 | 1n 4 | 23n53 | 1n10 | 21s37 | 0s21 | 7s42 | 2n 0 | 24n19 | 0n25 | 4n31 | 2n 6 | 35n46 | 13n37 | 18s17 | 17s49 | 10s16 | | | n.a. |

Julian Day Number = 994756.5, Delta T = 12h58m14s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'09, Lahiri = -31°23'08 Julian Calendar 1 July 1990 BCE == Greg. Calendar 14 June 1990 BCE

The year -1989 astronomical counting style corresponds to year 1990 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## AUGUST 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 29 7 | 20♋15'34 | 13♐59 | 15♌32 | 12♋46 | 18♋21 | 3°R24 | 24♎11 | 28♊ 5 | 23♍37 | 20♋28 | 20°R38 | 18♏56 | 20♒ 1 | n.a. | F 1 |
| S 2 | 19 33 3 | 21°14'11 | 26°20 | 16° 0 | 14° 1 | 19° 0 | 3♐21 | 24°13 | 28° 9 | 23°38 | 20°30 | 20♏33 | 18°53 | 20° 8 | n.a. | S 2 |
| S 3 | 19 37 0 | 22°12'50 | 8♑32 | 16°23 | 15°16 | 19°39 | 3°18 | 24°14 | 28°12 | 23°39 | 20°32 | 20°25 | 18°50 | 20°15 | n.a. | S 3 |
| M 4 | 19 40 56 | 23°11'31 | 20°38 | 16°40 | 16°31 | 20°18 | 3°15 | 24°16 | 28°16 | 23°41 | 20°34 | 20°15 | 18°47 | 20°21 | n.a. | M 4 |
| T 5 | 19 44 53 | 24°10'14 | 2♒38 | 16°52 | 17°46 | 20°56 | 3°13 | 24°18 | 28°19 | 23°42 | 20°36 | 20° 3 | 18°43 | 20°28 | n.a. | T 5 |
| W 6 | 19 48 49 | 25° 9'00 | 14°33 | 16°R58 | 19° 0 | 21°35 | 3°10 | 24°20 | 28°23 | 23°43 | 20°39 | 19°51 | 18°40 | 20°35 | n.a. | W 6 |
| T 7 | 19 52 46 | 26° 7'47 | 26°26 | 16°58 | 20°15 | 22°14 | 3° 8 | 24°22 | 28°26 | 23°45 | 20°41 | 19°39 | 18°37 | 20°41 | n.a. | T 7 |
| F 8 | 19 56 42 | 27° 6'37 | 8♓17 | 16°51 | 21°30 | 22°54 | 3° 7 | 24°24 | 28°30 | 23°46 | 20°43 | 19°28 | 18°34 | 20°48 | n.a. | F 8 |
| S 9 | 20 0 39 | 28° 5'29 | 20°10 | 16°37 | 22°45 | 23°33 | 3° 5 | 24°26 | 28°33 | 23°47 | 20°45 | 19°20 | 18°31 | 20°55 | n.a. | S 9 |
| S 10 | 20 4 36 | 29° 4'23 | 2♈ 7 | 16°16 | 24° 0 | 24°12 | 3° 3 | 24°28 | 28°36 | 23°49 | 20°47 | 19°14 | 18°28 | 21° 2 | n.a. | S 10 |
| M11 | 20 8 32 | 0♎ 3'20 | 14°13 | 15°47 | 25°15 | 24°51 | 3° 2 | 24°31 | 28°40 | 23°50 | 20°49 | 19°11 | 18°24 | 21° 8 | n.a. | M11 |
| T 12 | 20 12 29 | 1° 2'20 | 26°33 | 15°11 | 26°30 | 25°30 | 3° 1 | 24°33 | 28°43 | 23°52 | 20°51 | 19°D 9 | 18°21 | 21°15 | n.a. | T 12 |
| W13 | 20 16 25 | 2° 1'21 | 9♉10 | 14°28 | 27°45 | 26° 9 | 3° 0 | 24°35 | 28°46 | 23°53 | 20°53 | 19° 9 | 18°18 | 21°22 | n.a. | W13 |
| T 14 | 20 20 22 | 3° 0'26 | 22°10 | 13°39 | 29° 0 | 26°48 | 2°59 | 24°38 | 28°50 | 23°55 | 20°56 | 19°R 9 | 18°15 | 21°28 | n.a. | T 14 |
| F 15 | 20 24 18 | 3°59'33 | 5♊37 | 12°43 | 0♏15 | 27°28 | 2°59 | 24°41 | 28°53 | 23°57 | 20°58 | 19° 9 | 18°12 | 21°35 | n.a. | F 15 |
| S 16 | 20 28 15 | 4°58'42 | 19°34 | 11°42 | 1°31 | 28° 7 | 2°59 | 24°44 | 28°56 | 23°58 | 21° 0 | 19° 6 | 18° 9 | 21°42 | n.a. | S 16 |
| S 17 | 20 32 11 | 5°57'54 | 4♋ 0 | 10°37 | 2°46 | 28°46 | 2°D59 | 24°47 | 28°59 | 24° 0 | 21° 2 | 19° 0 | 18° 5 | 21°49 | n.a. | S 17 |
| M18 | 20 36 8 | 6°57'09 | 18°52 | 9°29 | 4° 1 | 29°25 | 2°59 | 24°50 | 29° 3 | 24° 1 | 21° 4 | 18°52 | 18° 2 | 21°55 | n.a. | M18 |
| T 19 | 20 40 4 | 7°56'25 | 4♌ 2 | 8°20 | 5°16 | 0♎ 5 | 2°59 | 24°53 | 29° 6 | 24° 3 | 21° 6 | 18°41 | 17°59 | 22° 2 | n.a. | T 19 |
| W20 | 20 44 1 | 8°55'44 | 19°21 | 7°12 | 6°31 | 0°44 | 3° 0 | 24°56 | 29° 9 | 24° 5 | 21° 8 | 18°30 | 17°56 | 22° 9 | n.a. | W20 |
| T 21 | 20 47 58 | 9°55'05 | 4♍36 | 6° 6 | 7°46 | 1°24 | 3° 0 | 24°59 | 29°12 | 24° 7 | 21°10 | 18°20 | 17°53 | 22°16 | n.a. | T 21 |
| F 22 | 20 51 54 | 10°54'28 | 19°38 | 5° 5 | 9° 2 | 2° 3 | 3° 1 | 25° 2 | 29°15 | 24° 8 | 21°12 | 18°10 | 17°49 | 22°22 | n.a. | F 22 |
| S 23 | 20 55 51 | 11°53'53 | 4♎17 | 4° 9 | 10°17 | 2°42 | 3° 2 | 25° 6 | 29°18 | 24°10 | 21°14 | 18° 4 | 17°46 | 22°29 | n.a. | S 23 |
| S 24 | 20 59 47 | 12°53'20 | 18°30 | 3°22 | 11°32 | 3°22 | 3° 3 | 25° 9 | 29°21 | 24°12 | 21°16 | 18° 0 | 17°43 | 22°36 | n.a. | S 24 |
| M25 | 21 3 44 | 13°52'49 | 2♏14 | 2°43 | 12°47 | 4° 1 | 3° 5 | 25°13 | 29°24 | 24°14 | 21°18 | 17°59 | 17°40 | 22°42 | n.a. | M25 |
| T 26 | 21 7 40 | 14°52'19 | 15°33 | 2°14 | 14° 3 | 4°41 | 3° 7 | 25°16 | 29°27 | 24°16 | 21°20 | 17°58 | 17°37 | 22°49 | n.a. | T 26 |
| W27 | 21 11 37 | 15°51'52 | 28°28 | 1°56 | 15°18 | 5°20 | 3° 9 | 25°20 | 29°30 | 24°17 | 21°22 | 17°58 | 17°34 | 22°56 | n.a. | W27 |
| T 28 | 21 15 33 | 16°51'27 | 11♐ 4 | 1°D48 | 16°33 | 6° 0 | 3°11 | 25°24 | 29°33 | 24°19 | 21°24 | 17°57 | 17°30 | 23° 3 | n.a. | T 28 |
| F 29 | 21 19 30 | 17°51'04 | 23°25 | 1°52 | 17°49 | 6°40 | 3°13 | 25°28 | 29°35 | 24°21 | 21°26 | 17°53 | 17°27 | 23° 9 | n.a. | F 29 |
| S 30 | 21 23 26 | 18°50'42 | 5♑35 | 2° 6 | 19° 4 | 7°19 | 3°15 | 25°32 | 29°38 | 24°23 | 21°28 | 17°47 | 17°24 | 23°16 | n.a. | S 30 |
| S 31 | 21 27 23 | 19♎50'23 | 17♑38 | 2♌30 | 20♎19 | 7♎59 | 3♐18 | 25♎36 | 29♊41 | 24♍25 | 21♋30 | 17♏38 | 17♏21 | 23♒23 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n21 | 20s56 | 2n 1 | 13n38 | 3s 1 | 24n23 | 1n 6 | 23n48 | 1n11 | 21s36 | 0s21 | 7s43 | 1n59 | 24n19 | 0n25 | 4n30 | 2n 6 | 35n46 | 13n37 | 18s16 | 17s48 | 10s14 | | n.a. |
| S 2 | 22 12 | 20 54 | 2 58 | 13 21 | 3 9 | 24 17 | 1 7 | 23 42 | 1 11 | 21 36 | 0 21 | 7 44 | 1 59 | 24 19 | 0 25 | 4 30 | 2 6 | 35 46 | 13 38 | 18 15 | 17 47 | 10 11 | | n.a. |
| S 3 | 22 3 | 19 53 | 3 46 | 13 7 | 3 17 | 24 10 | 1 9 | 23 37 | 1 11 | 21 35 | 0 21 | 7 45 | 1 59 | 24 19 | 0 25 | 4 29 | 2 6 | 35 46 | 13 38 | 18 13 | 17 46 | 10 9 | | n.a. |
| M 4 | 21 53 | 17 58 | 4 23 | 12 54 | 3 25 | 24 2 | 1 10 | 23 31 | 1 11 | 21 35 | 0 21 | 7 46 | 1 59 | 24 20 | 0 25 | 4 28 | 2 6 | 35 45 | 13 38 | 18 10 | 17 45 | 10 7 | | n.a. |
| T 5 | 21 43 | 15 17 | 4 49 | 12 44 | 3 32 | 23 54 | 1 11 | 23 25 | 1 11 | 21 34 | 0 21 | 7 47 | 1 58 | 24 20 | 0 25 | 4 28 | 2 5 | 35 45 | 13 38 | 18 7 | 17 45 | 10 5 | | n.a. |
| W 6 | 21 32 | 12 0 | 5 1 | 12 36 | 3 38 | 23 44 | 1 13 | 23 19 | 1 11 | 21 34 | 0 22 | 7 47 | 1 58 | 24 20 | 0 25 | 4 27 | 2 5 | 35 45 | 13 38 | 18 3 | 17 44 | 10 3 | | n.a. |
| T 7 | 21 21 | 8 16 | 5 0 | 12 31 | 3 43 | 23 34 | 1 14 | 23 12 | 1 11 | 21 34 | 0 22 | 7 48 | 1 58 | 24 20 | 0 25 | 4 27 | 2 5 | 35 44 | 13 38 | 18 0 | 17 43 | 10 1 | | n.a. |
| F 8 | 21 9 | 4 13 | 4 46 | 12 29 | 3 48 | 23 24 | 1 15 | 23 6 | 1 11 | 21 33 | 0 22 | 7 49 | 1 58 | 24 20 | 0 25 | 4 26 | 2 5 | 35 44 | 13 38 | 17 57 | 17 42 | 9 59 | | n.a. |
| S 9 | 20 58 | 0n 0 | 4 20 | 12 30 | 3 52 | 23 12 | 1 16 | 22 59 | 1 11 | 21 33 | 0 22 | 7 50 | 1 57 | 24 20 | 0 25 | 4 25 | 2 5 | 35 44 | 13 38 | 17 55 | 17 41 | 9 57 | | n.a. |
| S 10 | 20 45 | 4 15 | 3 42 | 12 34 | 3 54 | 23 0 | 1 17 | 22 52 | 1 11 | 21 33 | 0 22 | 7 52 | 1 57 | 24 20 | 0 25 | 4 25 | 2 5 | 35 44 | 13 38 | 17 53 | 17 40 | 9 55 | | n.a. |
| M11 | 20 33 | 8 23 | 2 54 | 12 42 | 3 55 | 22 47 | 1 18 | 22 45 | 1 11 | 21 33 | 0 22 | 7 53 | 1 57 | 24 20 | 0 25 | 4 24 | 2 5 | 35 43 | 13 38 | 17 52 | 17 39 | 9 53 | | n.a. |
| T 12 | 20 20 | 12 15 | 1 57 | 12 53 | 3 54 | 22 34 | 1 19 | 22 37 | 1 11 | 21 33 | 0 22 | 7 54 | 1 57 | 24 20 | 0 25 | 4 23 | 2 5 | 35 43 | 13 39 | 17 52 | 17 38 | 9 50 | | n.a. |
| W13 | 20 6 | 15 40 | 0 53 | 13 8 | 3 52 | 22 20 | 1 19 | 22 30 | 1 11 | 21 33 | 0 22 | 7 55 | 1 56 | 24 20 | 0 25 | 4 23 | 2 5 | 35 43 | 13 39 | 17 52 | 17 37 | 9 48 | | n.a. |
| T 14 | 19 53 | 18 25 | 0s16 | 13 26 | 3 48 | 22 5 | 1 20 | 22 22 | 1 11 | 21 32 | 0 22 | 7 56 | 1 56 | 24 20 | 0 25 | 4 22 | 2 5 | 35 43 | 13 39 | 17 52 | 17 36 | 9 46 | | n.a. |
| F 15 | 19 39 | 20 16 | 1 26 | 13 48 | 3 41 | 21 49 | 1 21 | 22 14 | 1 11 | 21 32 | 0 22 | 7 57 | 1 56 | 24 20 | 0 25 | 4 21 | 2 5 | 35 43 | 13 39 | 17 52 | 17 36 | 9 44 | | n.a. |
| S 16 | 19 24 | 20 57 | 2 34 | 14 13 | 3 33 | 21 33 | 1 22 | 22 6 | 1 10 | 21 32 | 0 22 | 7 59 | 1 56 | 24 20 | 0 25 | 4 21 | 2 5 | 35 42 | 13 39 | 17 51 | 17 35 | 9 42 | | n.a. |
| S 17 | 19 9 | 20 18 | 3 34 | 14 40 | 3 23 | 21 16 | 1 22 | 21 58 | 1 10 | 21 33 | 0 23 | 8 0 | 1 55 | 24 20 | 0 25 | 4 20 | 2 5 | 35 42 | 13 39 | 17 49 | 17 34 | 9 40 | | n.a. |
| M18 | 18 54 | 18 15 | 4 21 | 15 11 | 3 11 | 20 59 | 1 23 | 21 50 | 1 10 | 21 33 | 0 23 | 8 1 | 1 55 | 24 20 | 0 25 | 4 19 | 2 5 | 35 42 | 13 40 | 17 47 | 17 33 | 9 38 | | n.a. |
| T 19 | 18 39 | 14 55 | 4 51 | 15 42 | 2 57 | 20 40 | 1 23 | 21 41 | 1 10 | 21 33 | 0 23 | 8 3 | 1 55 | 24 20 | 0 25 | 4 19 | 2 5 | 35 42 | 13 40 | 17 44 | 17 32 | 9 36 | | n.a. |
| W20 | 18 23 | 10 34 | 5 1 | 16 15 | 2 41 | 20 22 | 1 23 | 21 32 | 1 10 | 21 33 | 0 23 | 8 4 | 1 55 | 24 20 | 0 25 | 4 18 | 2 5 | 35 42 | 13 40 | 17 41 | 17 31 | 9 34 | | n.a. |
| T 21 | 18 7 | 5 33 | 4 49 | 16 49 | 2 23 | 20 2 | 1 24 | 21 24 | 1 10 | 21 33 | 0 23 | 8 5 | 1 54 | 24 20 | 0 25 | 4 17 | 2 5 | 35 41 | 13 40 | 17 38 | 17 30 | 9 31 | | n.a. |
| F 22 | 17 51 | 0 15 | 4 17 | 17 22 | 2 5 | 19 43 | 1 24 | 21 14 | 1 10 | 21 33 | 0 23 | 8 7 | 1 54 | 24 20 | 0 25 | 4 16 | 2 5 | 35 41 | 13 40 | 17 35 | 17 29 | 9 29 | | n.a. |
| S 23 | 17 34 | 4s55 | 3 29 | 17 54 | 1 46 | 19 22 | 1 24 | 21 5 | 1 10 | 21 34 | 0 23 | 8 8 | 1 54 | 24 21 | 0 25 | 4 16 | 2 5 | 35 41 | 13 40 | 17 33 | 17 28 | 9 27 | | n.a. |
| S 24 | 17 17 | 9 41 | 2 29 | 18 24 | 1 26 | 19 1 | 1 24 | 20 56 | 1 10 | 21 34 | 0 23 | 8 10 | 1 54 | 24 21 | 0 25 | 4 15 | 2 5 | 35 41 | 13 41 | 17 32 | 17 27 | 9 25 | | n.a. |
| M25 | 17 0 | 13 46 | 1 22 | 18 53 | 1 6 | 18 39 | 1 24 | 20 46 | 1 10 | 21 34 | 0 23 | 8 11 | 1 54 | 24 21 | 0 25 | 4 14 | 2 4 | 35 41 | 13 41 | 17 32 | 17 27 | 9 23 | | n.a. |
| T 26 | 16 42 | 17 2 | 0 13 | 19 19 | 0 46 | 18 17 | 1 24 | 20 37 | 1 10 | 21 35 | 0 23 | 8 13 | 1 53 | 24 21 | 0 25 | 4 13 | 2 4 | 35 41 | 13 41 | 17 32 | 17 26 | 9 21 | | n.a. |
| W27 | 16 24 | 19 19 | 0n55 | 19 42 | 0 27 | 17 55 | 1 24 | 20 27 | 1 10 | 21 35 | 0 23 | 8 15 | 1 53 | 24 21 | 0 25 | 4 12 | 2 4 | 35 41 | 13 41 | 17 32 | 17 25 | 9 19 | | n.a. |
| T 28 | 16 6 | 20 36 | 1 59 | 20 1 | 0 9 | 17 31 | 1 24 | 20 17 | 1 10 | 21 36 | 0 23 | 8 16 | 1 53 | 24 21 | 0 25 | 4 12 | 2 4 | 35 40 | 13 42 | 17 31 | 17 24 | 9 17 | | n.a. |
| F 29 | 15 47 | 20 50 | 2 55 | 20 17 | 0n 9 | 17 8 | 1 24 | 20 7 | 1 10 | 21 36 | 0 23 | 8 18 | 1 53 | 24 21 | 0 25 | 4 11 | 2 4 | 35 40 | 13 42 | 17 30 | 17 23 | 9 14 | | n.a. |
| S 30 | 15 29 | 20 5 | 3 43 | 20 30 | 0 25 | 16 44 | 1 24 | 19 56 | 1 10 | 21 37 | 0 23 | 8 19 | 1 52 | 24 21 | 0 26 | 4 10 | 2 4 | 35 40 | 13 42 | 17 29 | 17 22 | 9 12 | | n.a. |
| S 31 | 15n10 | 18s26 | 4n20 | 20n39 | 0n40 | 16n19 | 1n23 | 19n46 | 1n10 | 21s37 | 0s24 | 8s21 | 1n52 | 24n21 | 0n26 | 4n 9 | 2n 4 | 35n40 | 13n42 | 17s26 | 17s21 | 9s10 | | n.a. |

Julian Day Number = 994787.5, Delta T = 12h58m12s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'04, Lahiri = -31°23'04 Julian Calendar 1 Aug. 1990 BCE == Greg. Calendar 15 July 1990 BCE

The year -1989 astronomical counting style corresponds to year 1990 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## SEPTEMBER 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 31 20 | 20♌50'06 | 29♉36 | 3♌ 4 | 21♌35 | 8♌39 | 3♐21 | 25♎40 | 29♊44 | 24♍27 | 21♋32 | 17°R26 | 17♏18 | 23♒30 | n.a. | M 1 |
| T 2 | 21 35 16 | 21°49'50 | 11♒30 | 3°47 | 22°50 | 9°18 | 3°24 | 25°44 | 29°46 | 24°29 | 21°34 | 17♏12 | 17°15 | 23°36 | n.a. | T 2 |
| W 3 | 21 39 13 | 22°49'37 | 23°23 | 4°38 | 24° 5 | 9°58 | 3°27 | 25°49 | 29°49 | 24°31 | 21°36 | 16°57 | 17°11 | 23°43 | n.a. | W 3 |
| T 4 | 21 43 9 | 23°49'26 | 5♓16 | 5°37 | 25°21 | 10°38 | 3°30 | 25°53 | 29°51 | 24°33 | 21°38 | 16°43 | 17° 8 | 23°50 | n.a. | T 4 |
| F 5 | 21 47 6 | 24°49'17 | 17° 9 | 6°43 | 26°36 | 11°18 | 3°34 | 25°57 | 29°54 | 24°35 | 21°40 | 16°30 | 17° 5 | 23°56 | n.a. | F 5 |
| S 6 | 21 51 2 | 25°49'10 | 29° 6 | 7°54 | 27°52 | 11°57 | 3°38 | 26° 2 | 29°56 | 24°37 | 21°41 | 16°19 | 17° 2 | 24° 3 | n.a. | S 6 |
| S 7 | 21 54 59 | 26°49'06 | 11♈ 7 | 9°10 | 29° 7 | 12°37 | 3°42 | 26° 6 | 29°59 | 24°39 | 21°43 | 16°12 | 16°59 | 24°10 | n.a. | S 7 |
| M 8 | 21 58 55 | 27°49'04 | 23°16 | 10°31 | 0♍22 | 13°17 | 3°46 | 26°11 | 0♋ 1 | 24°41 | 21°45 | 16° 7 | 16°55 | 24°17 | n.a. | M 8 |
| T 9 | 22 2 52 | 28°49'04 | 5♉36 | 11°56 | 1°38 | 13°57 | 3°50 | 26°16 | 0° 4 | 24°43 | 21°47 | 16° 5 | 16°52 | 24°23 | n.a. | T 9 |
| W10 | 22 6 48 | 29°49'06 | 18°11 | 13°23 | 2°53 | 14°37 | 3°55 | 26°21 | 0° 6 | 24°45 | 21°49 | 16°D 5 | 16°49 | 24°30 | n.a. | W10 |
| T 11 | 22 10 45 | 0♍49'11 | 1♊ 6 | 14°54 | 4° 9 | 15°17 | 3°59 | 26°25 | 0° 8 | 24°47 | 21°50 | 16°R 5 | 16°46 | 24°37 | n.a. | T 11 |
| F 12 | 22 14 42 | 1°49'19 | 14°25 | 16°26 | 5°24 | 15°57 | 4° 4 | 26°30 | 0°11 | 24°49 | 21°52 | 16° 5 | 16°43 | 24°43 | n.a. | F 12 |
| S 13 | 22 18 38 | 2°49'28 | 28°12 | 18° 0 | 6°40 | 16°37 | 4° 9 | 26°35 | 0°13 | 24°51 | 21°54 | 16° 2 | 16°40 | 24°50 | n.a. | S 13 |
| S 14 | 22 22 35 | 3°49'40 | 12♋27 | 19°36 | 7°55 | 17°17 | 4°15 | 26°40 | 0°15 | 24°54 | 21°56 | 15°58 | 16°36 | 24°57 | n.a. | S 14 |
| M15 | 22 26 31 | 4°49'55 | 27° 9 | 21°13 | 9°10 | 17°57 | 4°20 | 26°46 | 0°17 | 24°56 | 21°57 | 15°50 | 16°33 | 25° 4 | n.a. | M15 |
| T 16 | 22 30 28 | 5°50'11 | 12♌12 | 22°50 | 10°26 | 18°37 | 4°26 | 26°51 | 0°19 | 24°58 | 21°59 | 15°41 | 16°30 | 25°10 | n.a. | T 16 |
| W17 | 22 34 24 | 6°50'29 | 27°29 | 24°28 | 11°41 | 19°17 | 4°31 | 26°56 | 0°21 | 25° 0 | 22° 1 | 15°30 | 16°27 | 25°17 | n.a. | W17 |
| T 18 | 22 38 21 | 7°50'50 | 12♍48 | 26° 7 | 12°57 | 19°58 | 4°37 | 27° 1 | 0°23 | 25° 2 | 22° 2 | 15°20 | 16°24 | 25°24 | n.a. | T 18 |
| F 19 | 22 42 17 | 8°51'12 | 27°58 | 27°46 | 14°12 | 20°38 | 4°43 | 27° 7 | 0°25 | 25° 4 | 22° 4 | 15°11 | 16°20 | 25°31 | n.a. | F 19 |
| S 20 | 22 46 14 | 9°51'36 | 12♎48 | 29°25 | 15°28 | 21°18 | 4°49 | 27°12 | 0°27 | 25° 7 | 22° 5 | 15° 5 | 16°17 | 25°37 | n.a. | S 20 |
| S 21 | 22 50 10 | 10°52'02 | 27°12 | 1♍ 4 | 16°43 | 21°58 | 4°56 | 27°18 | 0°29 | 25° 9 | 22° 7 | 15° 1 | 16°14 | 25°44 | n.a. | S 21 |
| M22 | 22 54 7 | 11°52'29 | 11♏ 6 | 2°43 | 17°59 | 22°39 | 5° 2 | 27°23 | 0°30 | 25°11 | 22° 9 | 15°D 0 | 16°11 | 25°51 | n.a. | M22 |
| T 23 | 22 58 4 | 12°52'58 | 24°32 | 4°22 | 19°14 | 23°19 | 5° 9 | 27°29 | 0°32 | 25°13 | 22°10 | 15° 0 | 16° 8 | 25°57 | n.a. | T 23 |
| W24 | 23 2 0 | 13°53'29 | 7♐32 | 6° 1 | 20°30 | 23°59 | 5°16 | 27°34 | 0°34 | 25°15 | 22°12 | 15° 1 | 16° 5 | 26° 4 | n.a. | W24 |
| T 25 | 23 5 57 | 14°54'01 | 20° 9 | 7°39 | 21°45 | 24°40 | 5°23 | 27°40 | 0°35 | 25°18 | 22°13 | 15°R 1 | 16° 1 | 26°11 | n.a. | T 25 |
| F 26 | 23 9 53 | 15°54'35 | 2♑29 | 9°18 | 23° 1 | 25°20 | 5°30 | 27°46 | 0°37 | 25°20 | 22°14 | 14°59 | 15°58 | 26°18 | n.a. | F 26 |
| S 27 | 23 13 50 | 16°55'10 | 14°35 | 10°56 | 24°16 | 26° 1 | 5°38 | 27°52 | 0°39 | 25°22 | 22°16 | 14°55 | 15°55 | 26°24 | n.a. | S 27 |
| S 28 | 23 17 46 | 17°55'46 | 26°34 | 12°34 | 25°32 | 26°41 | 5°45 | 27°58 | 0°40 | 25°24 | 22°17 | 14°49 | 15°52 | 26°31 | n.a. | S 28 |
| M29 | 23 21 43 | 18°56'24 | 8♒27 | 14°11 | 26°47 | 27°22 | 5°53 | 28° 3 | 0°41 | 25°27 | 22°19 | 14°40 | 15°49 | 26°38 | n.a. | M29 |
| T 30 | 23 25 39 | 19♍57'04 | 20♒19 | 15♍49 | 28♍ 2 | 28♌ 2 | 6♐ 1 | 28♎ 9 | 0♋43 | 25♍29 | 22♋20 | 14♏30 | 15♏46 | 26♒44 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14n50 | 16s 0 | 4n45 | 20n44 | 0n54 | 15n54 | 1n23 | 19n35 | 1n10 | 21s38 | 0s24 | 8s23 | 1n52 | 24n21 | 0n26 | 4n 8 | 2n 4 | 35n40 | 13n43 | 17s22 | 17s20 | 9s 8 | | n.a. |
| T 2 | 14 31 | 12 55 | 4 58 | 20 46 | 1 6 | 15 28 | 1 22 | 19 24 | 1 10 | 21 39 | 0 24 | 8 25 | 1 52 | 24 21 | 0 26 | 4 8 | 2 4 | 35 40 | 13 43 | 17 18 | 17 19 | 9 6 | | n.a. |
| W 3 | 14 11 | 9 19 | 4 58 | 20 44 | 1 17 | 15 3 | 1 22 | 19 13 | 1 10 | 21 39 | 0 24 | 8 26 | 1 52 | 24 21 | 0 26 | 4 7 | 2 4 | 35 40 | 13 43 | 17 14 | 17 18 | 9 4 | | n.a. |
| T 4 | 13 51 | 5 22 | 4 44 | 20 38 | 1 27 | 14 36 | 1 21 | 19 2 | 1 9 | 21 40 | 0 24 | 8 28 | 1 51 | 24 21 | 0 26 | 4 6 | 2 4 | 35 40 | 13 43 | 17 10 | 17 17 | 9 2 | | n.a. |
| F 5 | 13 31 | 1 13 | 4 18 | 20 30 | 1 35 | 14 9 | 1 21 | 18 51 | 1 9 | 21 41 | 0 24 | 8 30 | 1 51 | 24 21 | 0 26 | 4 5 | 2 4 | 35 40 | 13 44 | 17 6 | 17 16 | 9 0 | | n.a. |
| S 6 | 13 10 | 3n 0 | 3 41 | 20 18 | 1 42 | 13 42 | 1 20 | 18 39 | 1 9 | 21 42 | 0 24 | 8 32 | 1 51 | 24 21 | 0 26 | 4 4 | 2 4 | 35 40 | 13 44 | 17 3 | 17 16 | 8 58 | | n.a. |
| S 7 | 12 49 | 7 8 | 2 54 | 20 3 | 1 48 | 13 15 | 1 19 | 18 28 | 1 9 | 21 42 | 0 24 | 8 34 | 1 51 | 24 21 | 0 26 | 4 3 | 2 4 | 35 40 | 13 44 | 17 1 | 17 15 | 8 55 | | n.a. |
| M 8 | 12 28 | 11 2 | 1 58 | 19 45 | 1 52 | 12 47 | 1 18 | 18 16 | 1 9 | 21 43 | 0 24 | 8 36 | 1 51 | 24 21 | 0 26 | 4 3 | 2 4 | 35 40 | 13 45 | 17 0 | 17 14 | 8 53 | | n.a. |
| T 9 | 12 7 | 14 31 | 0 55 | 19 25 | 1 56 | 12 19 | 1 17 | 18 4 | 1 9 | 21 44 | 0 24 | 8 38 | 1 50 | 24 21 | 0 26 | 4 2 | 2 4 | 35 40 | 13 45 | 16 59 | 17 13 | 8 51 | | n.a. |
| W10 | 11 46 | 17 25 | 0s11 | 19 2 | 1 59 | 11 50 | 1 17 | 17 52 | 1 9 | 21 45 | 0 24 | 8 40 | 1 50 | 24 21 | 0 26 | 4 1 | 2 4 | 35 40 | 13 45 | 16 59 | 17 12 | 8 49 | | n.a. |
| T 11 | 11 24 | 19 31 | 1 19 | 18 36 | 2 0 | 11 21 | 1 16 | 17 40 | 1 9 | 21 46 | 0 24 | 8 41 | 1 50 | 24 21 | 0 26 | 4 0 | 2 4 | 35 40 | 13 46 | 16 59 | 17 11 | 8 47 | | n.a. |
| F 12 | 11 2 | 20 36 | 2 24 | 18 9 | 2 1 | 10 52 | 1 14 | 17 28 | 1 9 | 21 47 | 0 24 | 8 43 | 1 50 | 24 21 | 0 26 | 3 59 | 2 4 | 35 40 | 13 46 | 16 59 | 17 10 | 8 45 | | n.a. |
| S 13 | 10 40 | 20 31 | 3 24 | 17 40 | 2 1 | 10 23 | 1 13 | 17 16 | 1 9 | 21 48 | 0 24 | 8 45 | 1 50 | 24 21 | 0 26 | 3 58 | 2 4 | 35 40 | 13 46 | 16 58 | 17 9 | 8 43 | | n.a. |
| S 14 | 10 18 | 19 8 | 4 13 | 17 9 | 2 1 | 9 53 | 1 12 | 17 3 | 1 8 | 21 49 | 0 24 | 8 47 | 1 49 | 24 21 | 0 26 | 3 57 | 2 4 | 35 40 | 13 47 | 16 57 | 17 8 | 8 41 | | n.a. |
| M15 | 9 56 | 16 28 | 4 46 | 16 36 | 2 0 | 9 23 | 1 11 | 16 50 | 1 8 | 21 50 | 0 24 | 8 50 | 1 49 | 24 21 | 0 26 | 3 56 | 2 4 | 35 40 | 13 47 | 16 55 | 17 7 | 8 38 | | n.a. |
| T 16 | 9 33 | 12 39 | 5 2 | 16 2 | 1 58 | 8 52 | 1 10 | 16 37 | 1 8 | 21 51 | 0 25 | 8 52 | 1 49 | 24 21 | 0 26 | 3 56 | 2 4 | 35 40 | 13 47 | 16 52 | 17 6 | 8 36 | | n.a. |
| W17 | 9 11 | 7 58 | 4 56 | 15 26 | 1 55 | 8 22 | 1 8 | 16 25 | 1 8 | 21 52 | 0 25 | 8 54 | 1 49 | 24 21 | 0 26 | 3 55 | 2 4 | 35 40 | 13 48 | 16 49 | 17 5 | 8 34 | | n.a. |
| T 18 | 8 48 | 2 46 | 4 29 | 14 50 | 1 53 | 7 51 | 1 7 | 16 12 | 1 8 | 21 54 | 0 25 | 8 56 | 1 49 | 24 21 | 0 26 | 3 54 | 2 4 | 35 40 | 13 48 | 16 46 | 17 4 | 8 32 | | n.a. |
| F 19 | 8 25 | 2s34 | 3 43 | 14 12 | 1 49 | 7 20 | 1 5 | 15 58 | 1 8 | 21 55 | 0 25 | 8 58 | 1 49 | 24 21 | 0 26 | 3 53 | 2 4 | 35 40 | 13 48 | 16 43 | 17 4 | 8 30 | | n.a. |
| S 20 | 8 2 | 7 38 | 2 43 | 13 33 | 1 46 | 6 49 | 1 4 | 15 45 | 1 8 | 21 56 | 0 25 | 9 0 | 1 48 | 24 21 | 0 26 | 3 52 | 2 4 | 35 40 | 13 49 | 16 41 | 17 3 | 8 28 | | n.a. |
| S 21 | 7 38 | 12 8 | 1 33 | 12 54 | 1 42 | 6 18 | 1 2 | 15 32 | 1 7 | 21 57 | 0 25 | 9 2 | 1 48 | 24 21 | 0 26 | 3 51 | 2 4 | 35 40 | 13 49 | 16 40 | 17 2 | 8 26 | | n.a. |
| M22 | 7 15 | 15 47 | 0 21 | 12 13 | 1 37 | 5 46 | 1 1 | 15 18 | 1 7 | 21 59 | 0 25 | 9 4 | 1 48 | 24 21 | 0 26 | 3 50 | 2 4 | 35 40 | 13 50 | 16 40 | 17 1 | 8 23 | | n.a. |
| T 23 | 6 51 | 18 28 | 0n51 | 11 32 | 1 33 | 5 15 | 0 59 | 15 4 | 1 7 | 22 0 | 0 25 | 9 7 | 1 48 | 24 21 | 0 26 | 3 49 | 2 4 | 35 40 | 13 50 | 16 40 | 17 0 | 8 21 | | n.a. |
| W24 | 6 28 | 20 5 | 1 57 | 10 51 | 1 28 | 4 43 | 0 57 | 14 51 | 1 7 | 22 1 | 0 25 | 9 9 | 1 48 | 24 21 | 0 26 | 3 48 | 2 4 | 35 41 | 13 50 | 16 40 | 16 59 | 8 19 | | n.a. |
| T 25 | 6 4 | 20 37 | 2 56 | 10 8 | 1 23 | 4 11 | 0 56 | 14 37 | 1 7 | 22 3 | 0 25 | 9 11 | 1 48 | 24 22 | 0 26 | 3 47 | 2 4 | 35 41 | 13 51 | 16 40 | 16 58 | 8 17 | | n.a. |
| F 26 | 5 40 | 20 8 | 3 46 | 9 26 | 1 17 | 3 39 | 0 54 | 14 23 | 1 7 | 22 4 | 0 25 | 9 13 | 1 47 | 24 22 | 0 26 | 3 47 | 2 4 | 35 41 | 13 51 | 16 39 | 16 57 | 8 15 | | n.a. |
| S 27 | 5 16 | 18 44 | 4 24 | 8 43 | 1 12 | 3 7 | 0 52 | 14 8 | 1 7 | 22 5 | 0 25 | 9 16 | 1 47 | 24 22 | 0 26 | 3 46 | 2 4 | 35 41 | 13 52 | 16 38 | 16 56 | 8 13 | | n.a. |
| S 28 | 4 52 | 16 32 | 4 50 | 8 0 | 1 6 | 2 35 | 0 50 | 13 54 | 1 6 | 22 7 | 0 25 | 9 18 | 1 47 | 24 22 | 0 26 | 3 45 | 2 4 | 35 41 | 13 52 | 16 36 | 16 55 | 8 11 | | n.a. |
| M29 | 4 28 | 13 38 | 5 3 | 7 16 | 1 0 | 2 2 | 0 48 | 13 40 | 1 6 | 22 8 | 0 25 | 9 20 | 1 47 | 24 22 | 0 26 | 3 44 | 2 4 | 35 41 | 13 52 | 16 34 | 16 54 | 8 9 | | n.a. |
| T 30 | 4n 3 | 10s13 | 5n 3 | 6n32 | 0n54 | 1n30 | 0n46 | 13n25 | 1n 6 | 22s10 | 0s25 | 9s22 | 1n47 | 24n22 | 0n26 | 3n43 | 2n 4 | 35n41 | 13n53 | 16s31 | 16s53 | 8s 6 | | n.a. |

Julian Day Number = 994818.5, Delta T = 12h58m10s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°30'00, Lahiri = -31°23'00 Julian Calendar 1 Sept. 1990 BCE == Greg. Calendar 15 Aug. 1990 BCE

The year -1989 astronomical counting style corresponds to year 1990 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## OCTOBER 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 29 36 | 20♍57'45 | 2♓12 | 17♍25 | 29♍18 | 28♌43 | 6♐ 9 | 28♎15 | 0♋44 | 25♍31 | 22♋21 | 14°R19 | 15♏42 | 26♒51 | n.a. | W 1 |
| T 2 | 23 33 33 | 21°58'27 | 14° 7 | 19° 2 | 0♎33 | 29°23 | 6°17 | 28°21 | 0°45 | 25°33 | 22°23 | 14♏ 8 | 15°39 | 26°58 | n.a. | T 2 |
| F 3 | 23 37 29 | 22°59'11 | 26° 6 | 20°39 | 1°49 | 0♍ 4 | 6°25 | 28°28 | 0°47 | 25°36 | 22°24 | 13°59 | 15°36 | 27° 5 | n.a. | F 3 |
| S 4 | 23 41 26 | 23°59'57 | 8♈11 | 22°15 | 3° 4 | 0°45 | 6°33 | 28°34 | 0°48 | 25°38 | 22°25 | 13°51 | 15°33 | 27°11 | n.a. | S 4 |
| S 5 | 23 45 22 | 25° 0'44 | 20°22 | 23°50 | 4°19 | 1°25 | 6°42 | 28°40 | 0°49 | 25°40 | 22°26 | 13°46 | 15°30 | 27°18 | n.a. | S 5 |
| M 6 | 23 49 19 | 26° 1'33 | 2♉41 | 25°26 | 5°35 | 2° 6 | 6°50 | 28°46 | 0°50 | 25°42 | 22°27 | 13°43 | 15°26 | 27°25 | n.a. | M 6 |
| T 7 | 23 53 15 | 27° 2'23 | 15°11 | 27° 1 | 6°50 | 2°47 | 6°59 | 28°52 | 0°51 | 25°45 | 22°29 | 13°D42 | 15°23 | 27°32 | n.a. | T 7 |
| W 8 | 23 57 12 | 28° 3'15 | 27°53 | 28°37 | 8° 6 | 3°28 | 7° 8 | 28°59 | 0°52 | 25°47 | 22°30 | 13°43 | 15°20 | 27°38 | n.a. | W 8 |
| T 9 | 0 1 8 | 29° 4'09 | 10♊52 | 0♎12 | 9°21 | 4° 9 | 7°17 | 29° 5 | 0°53 | 25°49 | 22°31 | 13°45 | 15°17 | 27°45 | n.a. | T 9 |
| F 10 | 0 5 5 | 0♎ 5'05 | 24° 9 | 1°46 | 10°36 | 4°49 | 7°26 | 29°11 | 0°53 | 25°51 | 22°32 | 13°R46 | 15°14 | 27°52 | n.a. | F 10 |
| S 11 | 0 9 1 | 1° 6'02 | 7♋48 | 3°21 | 11°52 | 5°30 | 7°36 | 29°18 | 0°54 | 25°54 | 22°33 | 13°46 | 15°11 | 27°58 | n.a. | S 11 |
| S 12 | 0 12 58 | 2° 7'01 | 21°49 | 4°55 | 13° 7 | 6°11 | 7°45 | 29°24 | 0°55 | 25°56 | 22°34 | 13°44 | 15° 7 | 28° 5 | n.a. | S 12 |
| M13 | 0 16 55 | 3° 8'01 | 6♌13 | 6°30 | 14°23 | 6°52 | 7°55 | 29°31 | 0°56 | 25°58 | 22°35 | 13°40 | 15° 4 | 28°12 | n.a. | M13 |
| T 14 | 0 20 51 | 4° 9'03 | 20°57 | 8° 4 | 15°38 | 7°33 | 8° 4 | 29°37 | 0°56 | 26° 0 | 22°36 | 13°35 | 15° 1 | 28°19 | n.a. | T 14 |
| W15 | 0 24 48 | 5°10'06 | 5♍54 | 9°38 | 16°53 | 8°14 | 8°14 | 29°44 | 0°57 | 26° 3 | 22°37 | 13°29 | 14°58 | 28°25 | n.a. | W15 |
| T 16 | 0 28 44 | 6°11'10 | 20°56 | 11°12 | 18° 9 | 8°55 | 8°24 | 29°51 | 0°57 | 26° 5 | 22°38 | 13°23 | 14°55 | 28°32 | n.a. | T 16 |
| F 17 | 0 32 41 | 7°12'16 | 5♎55 | 12°46 | 19°24 | 9°36 | 8°34 | 29°57 | 0°58 | 26° 7 | 22°38 | 13°18 | 14°51 | 28°39 | n.a. | F 17 |
| S 18 | 0 36 37 | 8°13'23 | 20°41 | 14°19 | 20°39 | 10°18 | 8°44 | 0♏ 4 | 0°58 | 26° 9 | 22°39 | 13°15 | 14°48 | 28°45 | n.a. | S 18 |
| S 19 | 0 40 34 | 9°14'31 | 5♏ 6 | 15°53 | 21°55 | 10°59 | 8°55 | 0°11 | 0°58 | 26°12 | 22°40 | 13°13 | 14°45 | 28°52 | n.a. | S 19 |
| M20 | 0 44 30 | 10°15'39 | 19° 7 | 17°27 | 23°10 | 11°40 | 9° 5 | 0°17 | 0°58 | 26°14 | 22°41 | 13°D13 | 14°42 | 28°59 | n.a. | M20 |
| T 21 | 0 48 27 | 11°16'49 | 2♐40 | 19° 0 | 24°25 | 12°21 | 9°16 | 0°24 | 0°59 | 26°16 | 22°42 | 13°14 | 14°39 | 29° 6 | n.a. | T 21 |
| W22 | 0 52 24 | 12°17'59 | 15°47 | 20°34 | 25°41 | 13° 2 | 9°26 | 0°31 | 0°59 | 26°18 | 22°42 | 13°15 | 14°36 | 29°12 | n.a. | W22 |
| T 23 | 0 56 20 | 13°19'10 | 28°31 | 22° 8 | 26°56 | 13°44 | 9°37 | 0°38 | 0°59 | 26°20 | 22°43 | 13°17 | 14°32 | 29°19 | n.a. | T 23 |
| F 24 | 1 0 17 | 14°20'22 | 10♑54 | 23°41 | 28°11 | 14°25 | 9°48 | 0°44 | 0°R59 | 26°23 | 22°44 | 13°R18 | 14°29 | 29°26 | n.a. | F 24 |
| S 25 | 1 4 13 | 15°21'34 | 23° 3 | 25°15 | 29°26 | 15° 6 | 9°59 | 0°51 | 0°59 | 26°25 | 22°44 | 13°18 | 14°26 | 29°33 | n.a. | S 25 |
| S 26 | 1 8 10 | 16°22'46 | 5♒ 2 | 26°48 | 0♏42 | 15°48 | 10°10 | 0°58 | 0°59 | 26°27 | 22°45 | 13°16 | 14°23 | 29°39 | n.a. | S 26 |
| M27 | 1 12 6 | 17°24'00 | 16°55 | 28°21 | 1°57 | 16°29 | 10°21 | 1° 5 | 0°59 | 26°29 | 22°45 | 13°13 | 14°20 | 29°46 | n.a. | M27 |
| T 28 | 1 16 3 | 18°25'13 | 28°46 | 29°55 | 3°12 | 17°10 | 10°32 | 1°12 | 0°58 | 26°31 | 22°46 | 13°10 | 14°17 | 29°53 | n.a. | T 28 |
| W29 | 1 20 0 | 19°26'27 | 10♓40 | 1♏28 | 4°27 | 17°52 | 10°43 | 1°19 | 0°58 | 26°33 | 22°46 | 13° 5 | 14°13 | 29°59 | n.a. | W29 |
| T 30 | 1 23 56 | 20°27'41 | 22°38 | 3° 1 | 5°43 | 18°33 | 10°55 | 1°26 | 0°58 | 26°35 | 22°47 | 13° 1 | 14°10 | 0♓ 6 | n.a. | T 30 |
| F 31 | 1 27 53 | 21♎28'56 | 4♈45 | 4♏34 | 6♏58 | 19♍15 | 11♐ 6 | 1♏33 | 0♋58 | 26♍37 | 22♋47 | 12♏58 | 14♏ 7 | 0♓13 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 3n39 | 6s24 | 4n50 | 5n48 | 0n48 | 0n58 | 0n44 | 13n11 | 1n 6 | 22s11 | 0s25 | 9s25 | 1n47 | 24n22 | 0n26 | 3n42 | 2n 4 | 35n42 | 13n53 | 16s27 | 16s52 | 8s 4 | | | n.a. |
| T 2 | 3 15 | 2 19 | 4 25 | 5 4 | 0 42 | 0 25 | 0 42 | 12 56 | 1 6 | 22 13 | 0 25 | 9 27 | 1 46 | 24 22 | 0 27 | 3 41 | 2 4 | 35 42 | 13 54 | 16 24 | 16 51 | 8 2 | | | n.a. |
| F 3 | 2 50 | 1n53 | 3 47 | 4 19 | 0 35 | 0s 7 | 0 40 | 12 41 | 1 5 | 22 14 | 0 26 | 9 29 | 1 46 | 24 22 | 0 27 | 3 40 | 2 4 | 35 42 | 13 54 | 16 21 | 16 50 | 8 0 | | | n.a. |
| S 4 | 2 26 | 6 2 | 2 59 | 3 35 | 0 29 | 0 40 | 0 38 | 12 27 | 1 5 | 22 16 | 0 26 | 9 32 | 1 46 | 24 22 | 0 27 | 3 39 | 2 4 | 35 42 | 13 55 | 16 19 | 16 49 | 7 58 | | | n.a. |
| S 5 | 2 1 | 10 0 | 2 2 | 2 50 | 0 23 | 1 12 | 0 36 | 12 12 | 1 5 | 22 17 | 0 26 | 9 34 | 1 46 | 24 22 | 0 27 | 3 38 | 2 4 | 35 42 | 13 55 | 16 17 | 16 49 | 7 56 | | | n.a. |
| M 6 | 1 37 | 13 34 | 0 59 | 2 6 | 0 16 | 1 45 | 0 34 | 11 57 | 1 5 | 22 19 | 0 26 | 9 37 | 1 46 | 24 22 | 0 27 | 3 37 | 2 4 | 35 43 | 13 55 | 16 16 | 16 48 | 7 54 | | | n.a. |
| T 7 | 1 12 | 16 35 | 0s 8 | 1 21 | 0 10 | 2 17 | 0 32 | 11 41 | 1 5 | 22 20 | 0 26 | 9 39 | 1 46 | 24 22 | 0 27 | 3 36 | 2 4 | 35 43 | 13 56 | 16 16 | 16 47 | 7 51 | | | n.a. |
| W 8 | 0 47 | 18 51 | 1 16 | 0 37 | 0 3 | 2 50 | 0 29 | 11 26 | 1 4 | 22 22 | 0 26 | 9 41 | 1 46 | 24 22 | 0 27 | 3 36 | 2 4 | 35 43 | 13 56 | 16 16 | 16 46 | 7 49 | | | n.a. |
| T 9 | 0 23 | 20 11 | 2 22 | 0s 7 | 0s 3 | 3 22 | 0 27 | 11 11 | 1 4 | 22 23 | 0 26 | 9 44 | 1 45 | 24 22 | 0 27 | 3 35 | 2 4 | 35 43 | 13 57 | 16 17 | 16 45 | 7 47 | | | n.a. |
| F 10 | 0s 2 | 20 26 | 3 21 | 0 52 | 0 9 | 3 54 | 0 25 | 10 55 | 1 4 | 22 25 | 0 26 | 9 46 | 1 45 | 24 22 | 0 27 | 3 34 | 2 4 | 35 44 | 13 57 | 16 17 | 16 44 | 7 45 | | | n.a. |
| S 11 | 0 27 | 19 30 | 4 11 | 1 36 | 0 16 | 4 26 | 0 23 | 10 40 | 1 4 | 22 27 | 0 26 | 9 49 | 1 45 | 24 22 | 0 27 | 3 33 | 2 4 | 35 44 | 13 58 | 16 17 | 16 43 | 7 43 | | | n.a. |
| S 12 | 0 52 | 17 23 | 4 48 | 2 20 | 0 22 | 4 58 | 0 20 | 10 24 | 1 3 | 22 28 | 0 26 | 9 51 | 1 45 | 24 22 | 0 27 | 3 32 | 2 4 | 35 44 | 13 58 | 16 17 | 16 42 | 7 41 | | | n.a. |
| M13 | 1 16 | 14 8 | 5 7 | 3 4 | 0 29 | 5 30 | 0 18 | 10 8 | 1 3 | 22 30 | 0 26 | 9 53 | 1 45 | 24 22 | 0 27 | 3 31 | 2 4 | 35 44 | 13 59 | 16 16 | 16 41 | 7 39 | | | n.a. |
| T 14 | 1 41 | 9 57 | 5 8 | 3 48 | 0 35 | 6 2 | 0 15 | 9 53 | 1 3 | 22 31 | 0 26 | 9 56 | 1 45 | 24 22 | 0 27 | 3 30 | 2 4 | 35 45 | 13 59 | 16 14 | 16 40 | 7 36 | | | n.a. |
| W15 | 2 6 | 5 6 | 4 47 | 4 31 | 0 41 | 6 34 | 0 13 | 9 37 | 1 3 | 22 33 | 0 26 | 9 58 | 1 45 | 24 22 | 0 27 | 3 29 | 2 4 | 35 45 | 14 0 | 16 12 | 16 39 | 7 34 | | | n.a. |
| T 16 | 2 30 | 0s 6 | 4 6 | 5 14 | 0 47 | 7 5 | 0 11 | 9 21 | 1 2 | 22 35 | 0 26 | 10 1 | 1 45 | 24 22 | 0 27 | 3 28 | 2 4 | 35 45 | 14 0 | 16 10 | 16 38 | 7 32 | | | n.a. |
| F 17 | 2 55 | 5 17 | 3 9 | 5 57 | 0 53 | 7 37 | 0 8 | 9 5 | 1 2 | 22 36 | 0 26 | 10 3 | 1 44 | 24 22 | 0 27 | 3 27 | 2 4 | 35 46 | 14 1 | 16 9 | 16 37 | 7 30 | | | n.a. |
| S 18 | 3 19 | 10 5 | 2 0 | 6 40 | 0 59 | 8 8 | 0 6 | 8 49 | 1 2 | 22 38 | 0 26 | 10 6 | 1 44 | 24 22 | 0 27 | 3 27 | 2 4 | 35 46 | 14 1 | 16 8 | 16 36 | 7 28 | | | n.a. |
| S 19 | 3 44 | 14 11 | 0 44 | 7 22 | 1 5 | 8 39 | 0 3 | 8 33 | 1 2 | 22 40 | 0 26 | 10 8 | 1 44 | 24 22 | 0 27 | 3 26 | 2 4 | 35 46 | 14 2 | 16 7 | 16 35 | 7 26 | | | n.a. |
| M20 | 4 9 | 17 20 | 0n32 | 8 4 | 1 11 | 9 10 | 0 1 | 8 16 | 1 1 | 22 42 | 0 26 | 10 11 | 1 44 | 24 22 | 0 27 | 3 25 | 2 4 | 35 47 | 14 2 | 16 7 | 16 34 | 7 24 | | | n.a. |
| T 21 | 4 33 | 19 24 | 1 44 | 8 46 | 1 16 | 9 40 | 0s 1 | 8 0 | 1 1 | 22 43 | 0 27 | 10 13 | 1 44 | 24 22 | 0 27 | 3 24 | 2 4 | 35 47 | 14 3 | 16 7 | 16 33 | 7 22 | | | n.a. |
| W22 | 4 57 | 20 21 | 2 49 | 9 27 | 1 22 | 10 11 | 0 4 | 7 44 | 1 1 | 22 45 | 0 27 | 10 16 | 1 44 | 24 22 | 0 27 | 3 23 | 2 4 | 35 47 | 14 3 | 16 8 | 16 32 | 7 19 | | | n.a. |
| T 23 | 5 22 | 20 12 | 3 43 | 10 8 | 1 27 | 10 41 | 0 6 | 7 27 | 1 1 | 22 47 | 0 27 | 10 18 | 1 44 | 24 22 | 0 27 | 3 22 | 2 4 | 35 48 | 14 4 | 16 8 | 16 31 | 7 17 | | | n.a. |
| F 24 | 5 46 | 19 4 | 4 25 | 10 48 | 1 32 | 11 11 | 0 9 | 7 11 | 1 0 | 22 48 | 0 27 | 10 21 | 1 44 | 24 22 | 0 27 | 3 21 | 2 4 | 35 48 | 14 4 | 16 9 | 16 30 | 7 15 | | | n.a. |
| S 25 | 6 10 | 17 4 | 4 54 | 11 27 | 1 37 | 11 40 | 0 11 | 6 54 | 1 0 | 22 50 | 0 27 | 10 23 | 1 44 | 24 22 | 0 27 | 3 20 | 2 4 | 35 48 | 14 5 | 16 9 | 16 29 | 7 13 | | | n.a. |
| S 26 | 6 34 | 14 22 | 5 10 | 12 7 | 1 42 | 12 10 | 0 14 | 6 38 | 1 0 | 22 52 | 0 27 | 10 26 | 1 44 | 24 22 | 0 27 | 3 20 | 2 4 | 35 49 | 14 5 | 16 8 | 16 29 | 7 11 | | | n.a. |
| M27 | 6 58 | 11 7 | 5 13 | 12 45 | 1 46 | 12 39 | 0 16 | 6 21 | 0 59 | 22 54 | 0 27 | 10 28 | 1 43 | 24 22 | 0 27 | 3 19 | 2 4 | 35 49 | 14 6 | 16 7 | 16 28 | 7 9 | | | n.a. |
| T 28 | 7 22 | 7 25 | 5 2 | 13 23 | 1 50 | 13 7 | 0 19 | 6 4 | 0 59 | 22 55 | 0 27 | 10 31 | 1 43 | 24 22 | 0 27 | 3 18 | 2 4 | 35 50 | 14 6 | 16 6 | 16 27 | 7 7 | | | n.a. |
| W29 | 7 45 | 3 26 | 4 38 | 14 0 | 1 54 | 13 35 | 0 21 | 5 47 | 0 59 | 22 57 | 0 27 | 10 33 | 1 43 | 24 23 | 0 27 | 3 17 | 2 4 | 35 50 | 14 7 | 16 5 | 16 26 | 7 4 | | | n.a. |
| T 30 | 8 9 | 0n43 | 4 2 | 14 36 | 1 58 | 14 3 | 0 23 | 5 30 | 0 58 | 22 59 | 0 27 | 10 36 | 1 43 | 24 23 | 0 27 | 3 16 | 2 4 | 35 50 | 14 7 | 16 4 | 16 25 | 7 2 | | | n.a. |
| F 31 | 8s32 | 4n53 | 3n15 | 15s12 | 2s 1 | 14s31 | 0s26 | 5n14 | 0n58 | 23s 0 | 0s27 | 10s38 | 1n43 | 24n23 | 0n28 | 3n15 | 2n 4 | 35n51 | 14n 8 | 16s 2 | 16s24 | 7s 0 | | | n.a. |

Julian Day Number = 994848.5, Delta T = 12h58m08s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'56, Lahiri = -31°22'56 Julian Calendar 1 Oct. 1990 BCE == Greg. Calendar 14 Sept. 1990 BCE

The year -1989 astronomical counting style corresponds to year 1990 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## NOVEMBER 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 31 49 | 22♎30'12 | 17♈ 0 | 6♏ 6 | 8♏13 | 19♍56 | 11♐18 | 1♏40 | 0°R57 | 26♍40 | 22♋47 | 12°R55 | 14♏ 4 | 0♓20 | n.a. | S 1 |
| S 2 | 1 35 46 | 23°31'28 | 29°26 | 7°39 | 9°28 | 20°38 | 11°30 | 1°47 | 0♋57 | 26°42 | 22°48 | 12♏53 | 14° 1 | 0°26 | n.a. | S 2 |
| M 3 | 1 39 42 | 24°32'44 | 12♉ 3 | 9°11 | 10°43 | 21°20 | 11°42 | 1°53 | 0°56 | 26°44 | 22°48 | 12°D53 | 13°57 | 0°33 | n.a. | M 3 |
| T 4 | 1 43 39 | 25°34'01 | 24°51 | 10°42 | 11°58 | 22° 1 | 11°53 | 2° 0 | 0°55 | 26°46 | 22°48 | 12°53 | 13°54 | 0°40 | n.a. | T 4 |
| W 5 | 1 47 35 | 26°35'19 | 7♊53 | 12°13 | 13°14 | 22°43 | 12° 5 | 2° 7 | 0°55 | 26°48 | 22°49 | 12°54 | 13°51 | 0°46 | n.a. | W 5 |
| T 6 | 1 51 32 | 27°36'37 | 21° 7 | 13°44 | 14°29 | 23°25 | 12°17 | 2°14 | 0°54 | 26°50 | 22°49 | 12°55 | 13°48 | 0°53 | n.a. | T 6 |
| F 7 | 1 55 29 | 28°37'56 | 4♋35 | 15°13 | 15°44 | 24° 6 | 12°30 | 2°21 | 0°53 | 26°52 | 22°49 | 12°57 | 13°45 | 1° 0 | n.a. | F 7 |
| S 8 | 1 59 25 | 29°39'15 | 18°18 | 16°42 | 16°59 | 24°48 | 12°42 | 2°28 | 0°53 | 26°54 | 22°49 | 12°57 | 13°42 | 1° 7 | n.a. | S 8 |
| S 9 | 2 3 22 | 0♏40'35 | 2♌14 | 18° 9 | 18°14 | 25°30 | 12°54 | 2°35 | 0°52 | 26°56 | 22°49 | 12°R58 | 13°38 | 1°13 | n.a. | S 9 |
| M10 | 2 7 18 | 1°41'55 | 16°24 | 19°35 | 19°29 | 26°12 | 13° 7 | 2°42 | 0°51 | 26°58 | 22°49 | 12°57 | 13°35 | 1°20 | n.a. | M10 |
| T 11 | 2 11 15 | 2°43'15 | 0♍46 | 20°59 | 20°44 | 26°54 | 13°19 | 2°50 | 0°50 | 27° 0 | 22°49 | 12°56 | 13°32 | 1°27 | n.a. | T 11 |
| W12 | 2 15 11 | 3°44'37 | 15°17 | 22°21 | 21°59 | 27°36 | 13°32 | 2°57 | 0°49 | 27° 2 | 22°R49 | 12°55 | 13°29 | 1°33 | n.a. | W12 |
| T 13 | 2 19 8 | 4°45'58 | 29°51 | 23°40 | 23°14 | 28°17 | 13°44 | 3° 4 | 0°48 | 27° 3 | 22°49 | 12°54 | 13°26 | 1°40 | n.a. | T 13 |
| F 14 | 2 23 5 | 5°47'19 | 14♎23 | 24°56 | 24°29 | 28°59 | 13°57 | 3°11 | 0°47 | 27° 5 | 22°49 | 12°53 | 13°22 | 1°47 | n.a. | F 14 |
| S 15 | 2 27 1 | 6°48'41 | 28°47 | 26° 9 | 25°44 | 29°41 | 14°10 | 3°18 | 0°45 | 27° 7 | 22°49 | 12°53 | 13°19 | 1°54 | n.a. | S 15 |
| S 16 | 2 30 58 | 7°50'03 | 12♏58 | 27°18 | 26°59 | 0♎23 | 14°22 | 3°25 | 0°44 | 27° 9 | 22°49 | 12°D53 | 13°16 | 2° 0 | n.a. | S 16 |
| M17 | 2 34 54 | 8°51'24 | 26°50 | 28°22 | 28°14 | 1° 6 | 14°35 | 3°32 | 0°43 | 27°11 | 22°49 | 12°53 | 13°13 | 2° 7 | n.a. | M17 |
| T 18 | 2 38 51 | 9°52'46 | 10♐22 | 29°21 | 29°29 | 1°48 | 14°48 | 3°39 | 0°42 | 27°13 | 22°49 | 12°53 | 13°10 | 2°14 | n.a. | T 18 |
| W19 | 2 42 47 | 10°54'07 | 23°31 | 0♐13 | 0♐44 | 2°30 | 15° 1 | 3°46 | 0°40 | 27°14 | 22°49 | 12°53 | 13° 7 | 2°20 | n.a. | W19 |
| T 20 | 2 46 44 | 11°55'27 | 6♑19 | 0°59 | 1°59 | 3°12 | 15°14 | 3°53 | 0°39 | 27°16 | 22°48 | 12°54 | 13° 3 | 2°27 | n.a. | T 20 |
| F 21 | 2 50 40 | 12°56'47 | 18°47 | 1°36 | 3°14 | 3°54 | 15°27 | 4° 0 | 0°37 | 27°18 | 22°48 | 12°R54 | 13° 0 | 2°34 | n.a. | F 21 |
| S 22 | 2 54 37 | 13°58'07 | 1♒ 0 | 2° 4 | 4°29 | 4°36 | 15°41 | 4° 6 | 0°36 | 27°20 | 22°48 | 12°54 | 12°57 | 2°41 | n.a. | S 22 |
| S 23 | 2 58 34 | 14°59'26 | 13° 1 | 2°23 | 5°44 | 5°18 | 15°54 | 4°13 | 0°34 | 27°21 | 22°47 | 12°D54 | 12°54 | 2°47 | n.a. | S 23 |
| M24 | 3 2 30 | 16° 0'44 | 24°55 | 2°R31 | 6°58 | 6° 1 | 16° 7 | 4°20 | 0°33 | 27°23 | 22°47 | 12°54 | 12°51 | 2°54 | n.a. | M24 |
| T 25 | 3 6 27 | 17° 2'01 | 6♓46 | 2°27 | 8°13 | 6°43 | 16°20 | 4°27 | 0°31 | 27°24 | 22°47 | 12°54 | 12°48 | 3° 1 | n.a. | T 25 |
| W26 | 3 10 23 | 18° 3'18 | 18°41 | 2°12 | 9°28 | 7°25 | 16°34 | 4°34 | 0°29 | 27°26 | 22°46 | 12°54 | 12°44 | 3° 7 | n.a. | W26 |
| T 27 | 3 14 20 | 19° 4'34 | 0♈41 | 1°45 | 10°43 | 8° 8 | 16°47 | 4°41 | 0°28 | 27°28 | 22°46 | 12°55 | 12°41 | 3°14 | n.a. | T 27 |
| F 28 | 3 18 16 | 20° 5'49 | 12°52 | 1° 7 | 11°57 | 8°50 | 17° 1 | 4°48 | 0°26 | 27°29 | 22°45 | 12°56 | 12°38 | 3°21 | n.a. | F 28 |
| S 29 | 3 22 13 | 21° 7'04 | 25°16 | 0°18 | 13°12 | 9°32 | 17°14 | 4°55 | 0°24 | 27°31 | 22°45 | 12°56 | 12°35 | 3°28 | n.a. | S 29 |
| S 30 | 3 26 10 | 22♏ 8'17 | 7♉56 | 29♏19 | 14♐27 | 10♎15 | 17♐28 | 5♏ 2 | 0♋22 | 27♍32 | 22♋44 | 12°R57 | 12♏32 | 3♓34 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8 s56 | 8n55 | 2n18 | 15 s46 | 2 s 4 | 14 s58 | 0 s28 | 4n57 | 0n58 | 23 s 2 | 0 s27 | 10 s41 | 1n43 | 24n23 | 0n28 | 3n15 | 2n 4 | 35n51 | 14n 8 | 16 s 2 | 16 s23 | 6 s58 | | n.a. |
| S 2 | 9 19 | 12 38 | 1 14 | 16 20 | 2 7 | 15 25 | 0 31 | 4 40 | 0 57 | 23 4 | 0 27 | 10 43 | 1 43 | 24 23 | 0 28 | 3 14 | 2 4 | 35 52 | 14 9 | 16 1 | 16 22 | 6 56 | | n.a. |
| M 3 | 9 42 | 15 50 | 0 5 | 16 52 | 2 9 | 15 52 | 0 33 | 4 23 | 0 57 | 23 5 | 0 27 | 10 46 | 1 43 | 24 23 | 0 28 | 3 13 | 2 4 | 35 52 | 14 9 | 16 1 | 16 21 | 6 54 | | n.a. |
| T 4 | 10 5 | 18 18 | 1 s 6 | 17 24 | 2 11 | 16 18 | 0 35 | 4 6 | 0 57 | 23 7 | 0 27 | 10 48 | 1 43 | 24 23 | 0 28 | 3 12 | 2 4 | 35 53 | 14 10 | 16 1 | 16 20 | 6 52 | | n.a. |
| W 5 | 10 27 | 19 52 | 2 14 | 17 54 | 2 12 | 16 43 | 0 38 | 3 48 | 0 56 | 23 9 | 0 27 | 10 51 | 1 43 | 24 23 | 0 28 | 3 11 | 2 4 | 35 53 | 14 10 | 16 1 | 16 19 | 6 49 | | n.a. |
| T 6 | 10 50 | 20 21 | 3 16 | 18 23 | 2 13 | 17 8 | 0 40 | 3 31 | 0 56 | 23 11 | 0 27 | 10 53 | 1 43 | 24 23 | 0 28 | 3 11 | 2 4 | 35 54 | 14 11 | 16 2 | 16 18 | 6 47 | | n.a. |
| F 7 | 11 12 | 19 42 | 4 9 | 18 51 | 2 13 | 17 33 | 0 42 | 3 14 | 0 56 | 23 12 | 0 28 | 10 56 | 1 43 | 24 23 | 0 28 | 3 10 | 2 4 | 35 54 | 14 11 | 16 2 | 16 17 | 6 45 | | n.a. |
| S 8 | 11 34 | 17 53 | 4 48 | 19 17 | 2 13 | 17 57 | 0 45 | 2 57 | 0 55 | 23 14 | 0 28 | 10 58 | 1 43 | 24 23 | 0 28 | 3 9 | 2 4 | 35 54 | 14 12 | 16 2 | 16 16 | 6 43 | | n.a. |
| S 9 | 11 56 | 15 0 | 5 11 | 19 42 | 2 12 | 18 21 | 0 47 | 2 40 | 0 55 | 23 16 | 0 28 | 11 1 | 1 43 | 24 23 | 0 28 | 3 8 | 2 4 | 35 55 | 14 12 | 16 2 | 16 15 | 6 41 | | n.a. |
| M10 | 12 18 | 11 13 | 5 16 | 20 4 | 2 11 | 18 44 | 0 49 | 2 22 | 0 55 | 23 17 | 0 28 | 11 3 | 1 43 | 24 23 | 0 28 | 3 8 | 2 4 | 35 55 | 14 13 | 16 2 | 16 14 | 6 39 | | n.a. |
| T 11 | 12 40 | 6 44 | 5 2 | 20 25 | 2 9 | 19 7 | 0 51 | 2 5 | 0 54 | 23 19 | 0 28 | 11 6 | 1 42 | 24 23 | 0 28 | 3 7 | 2 4 | 35 56 | 14 13 | 16 2 | 16 13 | 6 36 | | n.a. |
| W12 | 13 1 | 1 49 | 4 28 | 20 45 | 2 6 | 19 29 | 0 54 | 1 48 | 0 54 | 23 21 | 0 28 | 11 8 | 1 42 | 24 23 | 0 28 | 3 6 | 2 4 | 35 56 | 14 14 | 16 2 | 16 12 | 6 34 | | n.a. |
| T 13 | 13 22 | 3 s14 | 3 37 | 21 2 | 2 2 | 19 51 | 0 56 | 1 30 | 0 53 | 23 22 | 0 28 | 11 11 | 1 42 | 24 23 | 0 28 | 3 5 | 2 4 | 35 57 | 14 14 | 16 1 | 16 11 | 6 32 | | n.a. |
| F 14 | 13 43 | 8 6 | 2 32 | 21 16 | 1 57 | 20 12 | 0 58 | 1 13 | 0 53 | 23 24 | 0 28 | 11 13 | 1 42 | 24 23 | 0 28 | 3 5 | 2 4 | 35 57 | 14 15 | 16 1 | 16 10 | 6 30 | | n.a. |
| S 15 | 14 4 | 12 28 | 1 17 | 21 29 | 1 51 | 20 33 | 1 0 | 0 56 | 0 53 | 23 25 | 0 28 | 11 16 | 1 42 | 24 23 | 0 28 | 3 4 | 2 5 | 35 58 | 14 15 | 16 1 | 16 9 | 6 28 | | n.a. |
| S 16 | 14 24 | 16 2 | 0n 0 | 21 39 | 1 45 | 20 53 | 1 2 | 0 38 | 0 52 | 23 27 | 0 28 | 11 18 | 1 42 | 24 23 | 0 28 | 3 3 | 2 5 | 35 58 | 14 16 | 16 1 | 16 8 | 6 26 | | n.a. |
| M17 | 14 44 | 18 36 | 1 17 | 21 46 | 1 37 | 21 12 | 1 4 | 0 21 | 0 52 | 23 29 | 0 28 | 11 21 | 1 42 | 24 23 | 0 28 | 3 3 | 2 5 | 35 59 | 14 16 | 16 1 | 16 7 | 6 24 | | n.a. |
| T 18 | 15 4 | 20 2 | 2 27 | 21 51 | 1 28 | 21 31 | 1 6 | 0 3 | 0 51 | 23 30 | 0 28 | 11 23 | 1 42 | 24 23 | 0 28 | 3 2 | 2 5 | 36 0 | 14 17 | 16 1 | 16 6 | 6 21 | | n.a. |
| W19 | 15 24 | 20 19 | 3 27 | 21 52 | 1 18 | 21 49 | 1 8 | 0 s14 | 0 51 | 23 32 | 0 28 | 11 25 | 1 42 | 24 23 | 0 28 | 3 1 | 2 5 | 36 0 | 14 17 | 16 1 | 16 5 | 6 19 | | n.a. |
| T 20 | 15 43 | 19 31 | 4 15 | 21 51 | 1 6 | 22 7 | 1 10 | 0 32 | 0 50 | 23 33 | 0 28 | 11 28 | 1 42 | 24 23 | 0 28 | 3 0 | 2 5 | 36 1 | 14 18 | 16 1 | 16 4 | 6 17 | | n.a. |
| F 21 | 16 2 | 17 47 | 4 50 | 21 46 | 0 54 | 22 24 | 1 11 | 0 49 | 0 50 | 23 35 | 0 28 | 11 30 | 1 42 | 24 23 | 0 28 | 3 0 | 2 5 | 36 1 | 14 18 | 16 1 | 16 3 | 6 15 | | n.a. |
| S 22 | 16 21 | 15 17 | 5 11 | 21 38 | 0 40 | 22 40 | 1 13 | 1 7 | 0 50 | 23 36 | 0 29 | 11 33 | 1 42 | 24 23 | 0 28 | 2 59 | 2 5 | 36 2 | 14 19 | 16 1 | 16 2 | 6 13 | | n.a. |
| S 23 | 16 39 | 12 11 | 5 17 | 21 27 | 0 24 | 22 55 | 1 15 | 1 24 | 0 49 | 23 38 | 0 29 | 11 35 | 1 42 | 24 23 | 0 28 | 2 59 | 2 5 | 36 2 | 14 19 | 16 1 | 16 1 | 6 11 | | n.a. |
| M24 | 16 58 | 8 36 | 5 11 | 21 13 | 0 8 | 23 10 | 1 17 | 1 42 | 0 49 | 23 39 | 0 29 | 11 38 | 1 42 | 24 23 | 0 28 | 2 58 | 2 5 | 36 3 | 14 20 | 16 1 | 16 0 | 6 9 | | n.a. |
| T 25 | 17 16 | 4 43 | 4 50 | 20 55 | 0n10 | 23 24 | 1 18 | 1 59 | 0 48 | 23 41 | 0 29 | 11 40 | 1 42 | 24 24 | 0 28 | 2 57 | 2 5 | 36 3 | 14 20 | 16 1 | 15 59 | 6 6 | | n.a. |
| W26 | 17 33 | 0 38 | 4 18 | 20 33 | 0 28 | 23 38 | 1 20 | 2 16 | 0 48 | 23 42 | 0 29 | 11 42 | 1 42 | 24 24 | 0 28 | 2 57 | 2 5 | 36 4 | 14 21 | 16 1 | 15 58 | 6 4 | | n.a. |
| T 27 | 17 50 | 3n32 | 3 34 | 20 9 | 0 48 | 23 51 | 1 21 | 2 34 | 0 47 | 23 44 | 0 29 | 11 45 | 1 42 | 24 24 | 0 28 | 2 56 | 2 5 | 36 4 | 14 21 | 16 2 | 15 57 | 6 2 | | n.a. |
| F 28 | 18 7 | 7 37 | 2 39 | 19 42 | 1 7 | 24 3 | 1 23 | 2 51 | 0 47 | 23 45 | 0 29 | 11 47 | 1 42 | 24 24 | 0 28 | 2 56 | 2 5 | 36 5 | 14 22 | 16 2 | 15 56 | 6 0 | | n.a. |
| S 29 | 18 24 | 11 28 | 1 36 | 19 12 | 1 27 | 24 14 | 1 24 | 3 9 | 0 46 | 23 47 | 0 29 | 11 49 | 1 42 | 24 24 | 0 28 | 2 55 | 2 5 | 36 6 | 14 22 | 16 2 | 15 55 | 5 58 | | n.a. |
| S 30 | 18 s40 | 14n52 | 0n28 | 18 s40 | 1n47 | 24 s25 | 1 s26 | 3 s26 | 0n46 | 23 s48 | 0 s29 | 11 s52 | 1n42 | 24n24 | 0n28 | 2n54 | 2n 5 | 36n 6 | 14n23 | 16 s 2 | 15 s54 | 5 s56 | | n.a. |

Julian Day Number = 994879.5, Delta T = 12h58m06s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'52, Lahiri = -31°22'52 Julian Calendar 1 Nov. 1990 BCE == Greg. Calendar 15 Oct. 1990 BCE

The year -1989 astronomical counting style corresponds to year 1990 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1990 BCE
# geocentric

## DECEMBER 1990 BCE (-1989) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 30 6 | 23♏ 9'30 | 20♉52 | 28°R11 | 15♐42 | 10♎57 | 17♐42 | 5♏ 8 | 0°R20 | 27♍34 | 22°R43 | 12°R57 | 12♏28 | 3♓41 | n.a. | M 1 |
| T 2 | 3 34 3 | 24°10'43 | 4♊ 4 | 26♏58 | 16°56 | 11°40 | 17°55 | 5°15 | 0♋18 | 27°35 | 22♋43 | 12♏56 | 12°25 | 3°48 | n.a. | T 2 |
| W 3 | 3 37 59 | 25°11'54 | 17°32 | 25°41 | 18°11 | 12°22 | 18° 9 | 5°22 | 0°16 | 27°37 | 22°42 | 12°55 | 12°22 | 3°54 | n.a. | W 3 |
| T 4 | 3 41 56 | 26°13'05 | 1♋13 | 24°23 | 19°25 | 13° 5 | 18°23 | 5°29 | 0°14 | 27°38 | 22°41 | 12°53 | 12°19 | 4° 1 | n.a. | T 4 |
| F 5 | 3 45 52 | 27°14'16 | 15° 5 | 23° 6 | 20°40 | 13°47 | 18°37 | 5°35 | 0°12 | 27°39 | 22°41 | 12°51 | 12°16 | 4° 8 | n.a. | F 5 |
| S 6 | 3 49 49 | 28°15'25 | 29° 6 | 21°52 | 21°55 | 14°30 | 18°50 | 5°42 | 0°10 | 27°41 | 22°40 | 12°49 | 12°13 | 4°15 | n.a. | S 6 |
| S 7 | 3 53 46 | 29°16'34 | 13♌12 | 20°43 | 23° 9 | 15°13 | 19° 4 | 5°49 | 0° 8 | 27°42 | 22°39 | 12°48 | 12° 9 | 4°21 | n.a. | S 7 |
| M 8 | 3 57 42 | 0♐17'43 | 27°21 | 19°42 | 24°24 | 15°55 | 19°18 | 5°55 | 0° 6 | 27°43 | 22°38 | 12°D47 | 12° 6 | 4°28 | n.a. | M 8 |
| T 9 | 4 1 39 | 1°18'50 | 11♍32 | 18°48 | 25°38 | 16°38 | 19°32 | 6° 2 | 0° 4 | 27°45 | 22°38 | 12°48 | 12° 3 | 4°35 | n.a. | T 9 |
| W10 | 4 5 35 | 2°19'57 | 25°42 | 18° 3 | 26°53 | 17°21 | 19°46 | 6° 8 | 0° 2 | 27°46 | 22°37 | 12°49 | 12° 0 | 4°41 | n.a. | W10 |
| T 11 | 4 9 32 | 3°21'03 | 9♎49 | 17°27 | 28° 7 | 18° 3 | 20° 0 | 6°15 | 29♊59 | 27°47 | 22°36 | 12°50 | 11°57 | 4°48 | n.a. | T 11 |
| F 12 | 4 13 28 | 4°22'08 | 23°51 | 17° 0 | 29°21 | 18°46 | 20°14 | 6°21 | 29°57 | 27°48 | 22°35 | 12°51 | 11°54 | 4°55 | n.a. | F 12 |
| S 13 | 4 17 25 | 5°23'13 | 7♏46 | 16°42 | 0♑36 | 19°29 | 20°28 | 6°28 | 29°55 | 27°49 | 22°34 | 12°R52 | 11°50 | 5° 2 | n.a. | S 13 |
| S 14 | 4 21 21 | 6°24'16 | 21°31 | 16°32 | 1°50 | 20°12 | 20°42 | 6°34 | 29°53 | 27°50 | 22°33 | 12°52 | 11°47 | 5° 8 | n.a. | S 14 |
| M15 | 4 25 18 | 7°25'18 | 5♐ 2 | 16°D31 | 3° 5 | 20°55 | 20°57 | 6°41 | 29°50 | 27°51 | 22°32 | 12°51 | 11°44 | 5°15 | n.a. | M15 |
| T 16 | 4 29 15 | 8°26'19 | 18°19 | 16°37 | 4°19 | 21°38 | 21°11 | 6°47 | 29°48 | 27°53 | 22°31 | 12°48 | 11°41 | 5°22 | n.a. | T 16 |
| W17 | 4 33 11 | 9°27'19 | 1♑20 | 16°51 | 5°33 | 22°21 | 21°25 | 6°53 | 29°45 | 27°54 | 22°30 | 12°44 | 11°38 | 5°28 | n.a. | W17 |
| T 18 | 4 37 8 | 10°28'18 | 14° 4 | 17°11 | 6°47 | 23° 4 | 21°39 | 7° 0 | 29°43 | 27°55 | 22°29 | 12°39 | 11°34 | 5°35 | n.a. | T 18 |
| F 19 | 4 41 4 | 11°29'14 | 26°32 | 17°37 | 8° 2 | 23°46 | 21°53 | 7° 6 | 29°41 | 27°55 | 22°28 | 12°34 | 11°31 | 5°42 | n.a. | F 19 |
| S 20 | 4 45 1 | 12°30'10 | 8♒45 | 18° 9 | 9°16 | 24°29 | 22° 7 | 7°12 | 29°38 | 27°56 | 22°27 | 12°29 | 11°28 | 5°49 | n.a. | S 20 |
| S 21 | 4 48 57 | 13°31'03 | 20°47 | 18°45 | 10°30 | 25°12 | 22°22 | 7°18 | 29°36 | 27°57 | 22°26 | 12°26 | 11°25 | 5°55 | n.a. | S 21 |
| M22 | 4 52 54 | 14°31'55 | 2♓42 | 19°27 | 11°44 | 25°55 | 22°36 | 7°24 | 29°33 | 27°58 | 22°24 | 12°24 | 11°22 | 6° 2 | n.a. | M22 |
| T 23 | 4 56 50 | 15°32'45 | 14°33 | 20°12 | 12°58 | 26°39 | 22°50 | 7°30 | 29°31 | 27°59 | 22°23 | 12°D23 | 11°19 | 6° 9 | n.a. | T 23 |
| W24 | 5 0 47 | 16°33'34 | 26°26 | 21° 1 | 14°12 | 27°22 | 23° 5 | 7°36 | 29°28 | 28° 0 | 22°22 | 12°23 | 11°15 | 6°15 | n.a. | W24 |
| T 25 | 5 4 44 | 17°34'20 | 8♈26 | 21°54 | 15°26 | 28° 5 | 23°19 | 7°42 | 29°25 | 28° 0 | 22°21 | 12°25 | 11°12 | 6°22 | n.a. | T 25 |
| F 26 | 5 8 40 | 18°35'05 | 20°37 | 22°50 | 16°40 | 28°48 | 23°33 | 7°48 | 29°23 | 28° 1 | 22°20 | 12°26 | 11° 9 | 6°29 | n.a. | F 26 |
| S 27 | 5 12 37 | 19°35'48 | 3♉ 5 | 23°49 | 17°54 | 29°31 | 23°47 | 7°54 | 29°20 | 28° 2 | 22°18 | 12°28 | 11° 6 | 6°36 | n.a. | S 27 |
| S 28 | 5 16 33 | 20°36'29 | 15°52 | 24°51 | 19° 8 | 0♏14 | 24° 2 | 8° 0 | 29°18 | 28° 3 | 22°17 | 12°R28 | 11° 3 | 6°42 | n.a. | S 28 |
| M29 | 5 20 30 | 21°37'08 | 29° 2 | 25°55 | 20°22 | 0°57 | 24°16 | 8° 5 | 29°15 | 28° 3 | 22°16 | 12°27 | 11° 0 | 6°49 | n.a. | M29 |
| T 30 | 5 24 26 | 22°37'46 | 12♊33 | 27° 1 | 21°35 | 1°41 | 24°30 | 8°11 | 29°13 | 28° 4 | 22°14 | 12°24 | 10°56 | 6°56 | n.a. | T 30 |
| W31 | 5 28 23 | 23♐38'22 | 26♊26 | 28♏10 | 22♑49 | 2♏24 | 24♐45 | 8♏17 | 29♊10 | 28♍ 4 | 22♋13 | 12♏19 | 10♏53 | 7♓ 2 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 18s56 | 17n38 | 0s44 | 18s 7 | 2n 5 | 24s35 | 1s27 | 3s44 | 0n45 | 23s49 | 0s29 | 11s54 | 1n42 | 24n24 | 0n28 | 2n54 | 2n 5 | 36n 7 | 14n23 | 16s 2 | 15s53 | 5s54 | | n.a. |
| T 2 | 19 12 | 19 31 | 1 54 | 17 33 | 2 23 | 24 44 | 1 28 | 4 1 | 0 45 | 23 51 | 0 29 | 11 56 | 1 42 | 24 24 | 0 29 | 2 53 | 2 5 | 36 7 | 14 23 | 16 2 | 15 52 | 5 51 | | n.a. |
| W 3 | 19 27 | 20 20 | 3 0 | 17 0 | 2 39 | 24 52 | 1 30 | 4 18 | 0 44 | 23 52 | 0 29 | 11 59 | 1 42 | 24 24 | 0 29 | 2 53 | 2 5 | 36 8 | 14 24 | 16 2 | 15 51 | 5 49 | | n.a. |
| T 4 | 19 42 | 19 59 | 3 56 | 16 27 | 2 53 | 25 0 | 1 31 | 4 36 | 0 44 | 23 53 | 0 29 | 12 1 | 1 42 | 24 24 | 0 29 | 2 52 | 2 6 | 36 8 | 14 24 | 16 1 | 15 50 | 5 47 | | n.a. |
| F 5 | 19 56 | 18 25 | 4 40 | 15 57 | 3 4 | 25 7 | 1 32 | 4 53 | 0 43 | 23 55 | 0 30 | 12 3 | 1 42 | 24 24 | 0 29 | 2 52 | 2 6 | 36 9 | 14 25 | 16 0 | 15 49 | 5 45 | | n.a. |
| S 6 | 20 10 | 15 45 | 5 7 | 15 29 | 3 14 | 25 13 | 1 33 | 5 11 | 0 43 | 23 56 | 0 30 | 12 5 | 1 42 | 24 24 | 0 29 | 2 51 | 2 6 | 36 10 | 14 25 | 16 0 | 15 48 | 5 43 | | n.a. |
| S 7 | 20 24 | 12 9 | 5 16 | 15 4 | 3 21 | 25 18 | 1 34 | 5 28 | 0 42 | 23 57 | 0 30 | 12 8 | 1 42 | 24 24 | 0 29 | 2 51 | 2 6 | 36 10 | 14 26 | 16 0 | 15 48 | 5 41 | | n.a. |
| M 8 | 20 37 | 7 51 | 5 6 | 14 43 | 3 25 | 25 23 | 1 35 | 5 45 | 0 41 | 23 58 | 0 30 | 12 10 | 1 42 | 24 24 | 0 29 | 2 50 | 2 6 | 36 11 | 14 26 | 15 59 | 15 47 | 5 39 | | n.a. |
| T 9 | 20 50 | 3 7 | 4 37 | 14 26 | 3 28 | 25 26 | 1 35 | 6 2 | 0 41 | 24 0 | 0 30 | 12 12 | 1 42 | 24 24 | 0 29 | 2 50 | 2 6 | 36 11 | 14 27 | 15 59 | 15 46 | 5 36 | | n.a. |
| W10 | 21 3 | 1s47 | 3 52 | 14 13 | 3 28 | 25 29 | 1 36 | 6 19 | 0 40 | 24 1 | 0 30 | 12 14 | 1 42 | 24 24 | 0 29 | 2 49 | 2 6 | 36 12 | 14 27 | 16 0 | 15 45 | 5 34 | | n.a. |
| T 11 | 21 15 | 6 36 | 2 52 | 14 4 | 3 27 | 25 31 | 1 37 | 6 37 | 0 40 | 24 2 | 0 30 | 12 16 | 1 42 | 24 24 | 0 29 | 2 49 | 2 6 | 36 12 | 14 27 | 16 0 | 15 44 | 5 32 | | n.a. |
| F 12 | 21 27 | 11 2 | 1 43 | 14 0 | 3 24 | 25 33 | 1 38 | 6 54 | 0 39 | 24 3 | 0 30 | 12 18 | 1 42 | 24 24 | 0 29 | 2 49 | 2 6 | 36 13 | 14 28 | 16 1 | 15 43 | 5 30 | | n.a. |
| S 13 | 21 38 | 14 49 | 0 28 | 13 59 | 3 19 | 25 33 | 1 38 | 7 11 | 0 39 | 24 4 | 0 30 | 12 21 | 1 42 | 24 24 | 0 29 | 2 48 | 2 6 | 36 14 | 14 28 | 16 1 | 15 42 | 5 28 | | n.a. |
| S 14 | 21 49 | 17 45 | 0n47 | 14 1 | 3 14 | 25 33 | 1 39 | 7 28 | 0 38 | 24 5 | 0 30 | 12 23 | 1 42 | 24 24 | 0 29 | 2 48 | 2 6 | 36 14 | 14 29 | 16 1 | 15 41 | 5 26 | | n.a. |
| M15 | 21 59 | 19 37 | 1 59 | 14 7 | 3 7 | 25 32 | 1 39 | 7 45 | 0 37 | 24 7 | 0 30 | 12 25 | 1 42 | 24 24 | 0 29 | 2 47 | 2 6 | 36 15 | 14 29 | 16 0 | 15 40 | 5 23 | | n.a. |
| T 16 | 22 9 | 20 22 | 3 3 | 14 16 | 3 0 | 25 30 | 1 39 | 8 2 | 0 37 | 24 8 | 0 30 | 12 27 | 1 42 | 24 24 | 0 29 | 2 47 | 2 6 | 36 15 | 14 29 | 15 59 | 15 39 | 5 21 | | n.a. |
| W17 | 22 19 | 20 0 | 3 55 | 14 28 | 2 52 | 25 28 | 1 40 | 8 19 | 0 36 | 24 9 | 0 31 | 12 29 | 1 42 | 24 24 | 0 29 | 2 47 | 2 6 | 36 16 | 14 30 | 15 58 | 15 38 | 5 19 | | n.a. |
| T 18 | 22 28 | 18 36 | 4 35 | 14 41 | 2 44 | 25 24 | 1 40 | 8 35 | 0 36 | 24 10 | 0 31 | 12 31 | 1 42 | 24 24 | 0 29 | 2 46 | 2 6 | 36 16 | 14 30 | 15 57 | 15 37 | 5 17 | | n.a. |
| F 19 | 22 37 | 16 21 | 5 1 | 14 57 | 2 35 | 25 20 | 1 40 | 8 52 | 0 35 | 24 11 | 0 31 | 12 33 | 1 42 | 24 24 | 0 29 | 2 46 | 2 7 | 36 17 | 14 31 | 15 55 | 15 36 | 5 15 | | n.a. |
| S 20 | 22 45 | 13 25 | 5 12 | 15 15 | 2 25 | 25 15 | 1 40 | 9 9 | 0 34 | 24 12 | 0 31 | 12 35 | 1 42 | 24 24 | 0 29 | 2 46 | 2 7 | 36 18 | 14 31 | 15 54 | 15 35 | 5 13 | | n.a. |
| S 21 | 22 53 | 9 58 | 5 9 | 15 34 | 2 16 | 25 9 | 1 40 | 9 26 | 0 34 | 24 13 | 0 31 | 12 37 | 1 42 | 24 24 | 0 29 | 2 46 | 2 7 | 36 18 | 14 31 | 15 53 | 15 34 | 5 11 | | n.a. |
| M22 | 23 0 | 6 10 | 4 53 | 15 55 | 2 6 | 25 3 | 1 40 | 9 42 | 0 33 | 24 14 | 0 31 | 12 39 | 1 42 | 24 24 | 0 29 | 2 45 | 2 7 | 36 19 | 14 32 | 15 52 | 15 33 | 5 8 | | n.a. |
| T 23 | 23 7 | 2 8 | 4 25 | 16 17 | 1 57 | 24 56 | 1 40 | 9 59 | 0 32 | 24 14 | 0 31 | 12 41 | 1 42 | 24 24 | 0 29 | 2 45 | 2 7 | 36 19 | 14 32 | 15 52 | 15 32 | 5 6 | | n.a. |
| W24 | 23 14 | 1n59 | 3 45 | 16 39 | 1 47 | 24 48 | 1 39 | 10 15 | 0 32 | 24 15 | 0 31 | 12 43 | 1 42 | 24 24 | 0 29 | 2 45 | 2 7 | 36 20 | 14 32 | 15 52 | 15 31 | 5 4 | | n.a. |
| T 25 | 23 20 | 6 5 | 2 55 | 17 3 | 1 37 | 24 39 | 1 39 | 10 31 | 0 31 | 24 16 | 0 31 | 12 45 | 1 42 | 24 24 | 0 29 | 2 44 | 2 7 | 36 20 | 14 33 | 15 52 | 15 30 | 5 2 | | n.a. |
| F 26 | 23 25 | 10 0 | 1 56 | 17 27 | 1 27 | 24 29 | 1 39 | 10 48 | 0 30 | 24 17 | 0 31 | 12 47 | 1 42 | 24 24 | 0 29 | 2 44 | 2 7 | 36 21 | 14 33 | 15 53 | 15 29 | 5 0 | | n.a. |
| S 27 | 23 30 | 13 35 | 0 51 | 17 51 | 1 18 | 24 19 | 1 38 | 11 4 | 0 30 | 24 18 | 0 31 | 12 49 | 1 43 | 24 24 | 0 29 | 2 44 | 2 7 | 36 22 | 14 33 | 15 53 | 15 28 | 4 58 | | n.a. |
| S 28 | 23 35 | 16 38 | 0s19 | 18 16 | 1 8 | 24 8 | 1 38 | 11 20 | 0 29 | 24 19 | 0 32 | 12 50 | 1 43 | 24 24 | 0 29 | 2 44 | 2 7 | 36 22 | 14 34 | 15 53 | 15 26 | 4 56 | | n.a. |
| M29 | 23 39 | 18 54 | 1 29 | 18 41 | 0 58 | 23 56 | 1 37 | 11 36 | 0 28 | 24 19 | 0 32 | 12 52 | 1 43 | 24 24 | 0 29 | 2 44 | 2 7 | 36 23 | 14 34 | 15 53 | 15 25 | 4 53 | | n.a. |
| T 30 | 23 43 | 20 11 | 2 36 | 19 6 | 0 49 | 23 44 | 1 36 | 11 52 | 0 27 | 24 20 | 0 32 | 12 54 | 1 43 | 24 24 | 0 29 | 2 43 | 2 7 | 36 23 | 14 34 | 15 52 | 15 24 | 4 51 | | n.a. |
| W31 | 23s46 | 20n17 | 3s36 | 19s30 | 0n40 | 23s31 | 1s35 | 12s 8 | 0n27 | 24s21 | 0s32 | 12s56 | 1n43 | 24n24 | 0n29 | 2n43 | 2n 7 | 36n24 | 14n35 | 15s50 | 15s23 | 4s49 | | n.a. |

Julian Day Number = 994909.5, Delta T = 12h58m04s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'48, Lahiri = -31°22'47 Julian Calendar 1 Dec. 1990 BCE == Greg. Calendar 14 Nov. 1990 BCE

The year -1989 astronomical counting style corresponds to year 1990 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## JANUARY 1989 BCE (-1988) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 32 20 | 24♐38'56 | 10♋36 | 29♏20 | 24♑ 3 | 3♏ 7 | 24♐59 | 8♏22 | 29°R 7 | 28♍ 5 | 22°R12 | 12°R12 | 10♏50 | 7♓ 9 | n.a. | T 1 |
| F 2 | 5 36 16 | 25°39'29 | 24°58 | 0♐33 | 25°16 | 3°50 | 25°13 | 8°28 | 29♊ 5 | 28° 5 | 22♋10 | 12♏ 5 | 10°47 | 7°16 | n.a. | F 2 |
| S 3 | 5 40 13 | 26°39'59 | 9♌27 | 1°47 | 26°30 | 4°34 | 25°28 | 8°33 | 29° 2 | 28° 6 | 22° 9 | 11°58 | 10°44 | 7°23 | n.a. | S 3 |
| S 4 | 5 44 9 | 27°40'29 | 23°55 | 3° 3 | 27°43 | 5°17 | 25°42 | 8°39 | 28°59 | 28° 6 | 22° 8 | 11°52 | 10°40 | 7°29 | n.a. | S 4 |
| M 5 | 5 48 6 | 28°40'56 | 8♍19 | 4°20 | 28°57 | 6° 0 | 25°56 | 8°44 | 28°57 | 28° 7 | 22° 6 | 11°48 | 10°37 | 7°36 | n.a. | M 5 |
| T 6 | 5 52 2 | 29°41'22 | 22°33 | 5°39 | 0♒10 | 6°44 | 26°11 | 8°49 | 28°54 | 28° 7 | 22° 5 | 11°47 | 10°34 | 7°43 | n.a. | T 6 |
| W 7 | 5 55 59 | 0♑41'47 | 6♎37 | 6°59 | 1°24 | 7°27 | 26°25 | 8°55 | 28°52 | 28° 7 | 22° 3 | 11°D46 | 10°31 | 7°49 | n.a. | W 7 |
| T 8 | 5 59 55 | 1°42'10 | 20°29 | 8°21 | 2°37 | 8°11 | 26°39 | 9° 0 | 28°49 | 28° 8 | 22° 2 | 11°47 | 10°28 | 7°56 | n.a. | T 8 |
| F 9 | 6 3 52 | 2°42'31 | 4♏10 | 9°43 | 3°50 | 8°54 | 26°54 | 9° 5 | 28°46 | 28° 8 | 22° 0 | 11°48 | 10°25 | 8° 3 | n.a. | F 9 |
| S 10 | 6 7 49 | 3°42'51 | 17°39 | 11° 8 | 5° 3 | 9°38 | 27° 8 | 9°10 | 28°44 | 28° 8 | 21°59 | 11°R49 | 10°21 | 8°10 | n.a. | S 10 |
| S 11 | 6 11 45 | 4°43'09 | 0♐57 | 12°33 | 6°17 | 10°21 | 27°22 | 9°15 | 28°41 | 28° 8 | 21°57 | 11°47 | 10°18 | 8°16 | n.a. | S 11 |
| M12 | 6 15 42 | 5°43'26 | 14° 4 | 13°59 | 7°30 | 11° 5 | 27°36 | 9°20 | 28°38 | 28° 8 | 21°56 | 11°42 | 10°15 | 8°23 | n.a. | M12 |
| T 13 | 6 19 38 | 6°43'40 | 27° 0 | 15°27 | 8°43 | 11°48 | 27°51 | 9°25 | 28°36 | 28° 8 | 21°54 | 11°36 | 10°12 | 8°30 | n.a. | T 13 |
| W14 | 6 23 35 | 7°43'52 | 9♑44 | 16°56 | 9°56 | 12°32 | 28° 5 | 9°29 | 28°33 | 28° 9 | 21°53 | 11°26 | 10° 9 | 8°36 | n.a. | W14 |
| T 15 | 6 27 31 | 8°44'03 | 22°16 | 18°26 | 11° 9 | 13°15 | 28°19 | 9°34 | 28°31 | 28° 9 | 21°51 | 11°16 | 10° 6 | 8°43 | n.a. | T 15 |
| F 16 | 6 31 28 | 9°44'11 | 4♒36 | 19°57 | 12°21 | 13°59 | 28°33 | 9°39 | 28°28 | 28°R 9 | 21°50 | 11° 4 | 10° 2 | 8°50 | n.a. | F 16 |
| S 17 | 6 35 24 | 10°44'17 | 16°46 | 21°29 | 13°34 | 14°43 | 28°48 | 9°43 | 28°26 | 28° 9 | 21°48 | 10°53 | 9°59 | 8°56 | n.a. | S 17 |
| S 18 | 6 39 21 | 11°44'21 | 28°45 | 23° 2 | 14°47 | 15°26 | 29° 2 | 9°48 | 28°23 | 28° 9 | 21°47 | 10°44 | 9°56 | 9° 3 | n.a. | S 18 |
| M19 | 6 43 18 | 12°44'23 | 10♓38 | 24°36 | 16° 0 | 16°10 | 29°16 | 9°52 | 28°20 | 28° 8 | 21°45 | 10°37 | 9°53 | 9°10 | n.a. | M19 |
| T 20 | 6 47 14 | 13°44'22 | 22°28 | 26°12 | 17°12 | 16°53 | 29°30 | 9°56 | 28°18 | 28° 8 | 21°44 | 10°32 | 9°50 | 9°17 | n.a. | T 20 |
| W21 | 6 51 11 | 14°44'18 | 4♈19 | 27°48 | 18°25 | 17°37 | 29°44 | 10° 1 | 28°15 | 28° 8 | 21°42 | 10°29 | 9°46 | 9°23 | n.a. | W21 |
| T 22 | 6 55 7 | 15°44'13 | 16°17 | 29°26 | 19°37 | 18°21 | 29°58 | 10° 5 | 28°13 | 28° 8 | 21°40 | 10°D29 | 9°43 | 9°30 | n.a. | T 22 |
| F 23 | 6 59 4 | 16°44'05 | 28°26 | 1♑ 5 | 20°50 | 19° 4 | 0♑12 | 10° 9 | 28°10 | 28° 8 | 21°39 | 10°29 | 9°40 | 9°37 | n.a. | F 23 |
| S 24 | 7 3 0 | 17°43'55 | 10♉51 | 2°44 | 22° 2 | 19°48 | 0°26 | 10°13 | 28° 8 | 28° 8 | 21°37 | 10°R29 | 9°37 | 9°43 | n.a. | S 24 |
| S 25 | 7 6 57 | 18°43'42 | 23°38 | 4°25 | 23°14 | 20°32 | 0°40 | 10°17 | 28° 6 | 28° 7 | 21°36 | 10°29 | 9°34 | 9°50 | n.a. | S 25 |
| M26 | 7 10 53 | 19°43'27 | 6♊51 | 6° 8 | 24°26 | 21°16 | 0°54 | 10°21 | 28° 3 | 28° 7 | 21°34 | 10°26 | 9°31 | 9°57 | n.a. | M26 |
| T 27 | 7 14 50 | 20°43'09 | 20°31 | 7°51 | 25°38 | 21°59 | 1° 8 | 10°24 | 28° 1 | 28° 7 | 21°33 | 10°20 | 9°27 | 10° 4 | n.a. | T 27 |
| W28 | 7 18 46 | 21°42'50 | 4♋39 | 9°35 | 26°50 | 22°43 | 1°22 | 10°28 | 27°58 | 28° 6 | 21°31 | 10°13 | 9°24 | 10°10 | n.a. | W28 |
| T 29 | 7 22 43 | 22°42'28 | 19° 9 | 11°21 | 28° 2 | 23°27 | 1°36 | 10°32 | 27°56 | 28° 6 | 21°29 | 10° 3 | 9°21 | 10°17 | n.a. | T 29 |
| F 30 | 7 26 40 | 23°42'03 | 3♌57 | 13° 8 | 29°14 | 24°11 | 1°50 | 10°35 | 27°54 | 28° 5 | 21°28 | 9°52 | 9°18 | 10°24 | n.a. | F 30 |
| S 31 | 7 30 36 | 24♑41'37 | 18♌52 | 14♑56 | 0♓26 | 24♏55 | 2♑ 3 | 10♏39 | 27♊52 | 28♍ 5 | 21♋26 | 9♏41 | 9♏15 | 10♓30 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 23 s49 | 19n 7 | 4 s23 | 19 s55 | 0n31 | 23 s17 | 1 s35 | 12 s24 | 0n26 | 24 s21 | 0 s32 | 12 s58 | 1n43 | 24n24 | 0n29 | 2n43 | 2n 7 | 36n24 | 14n35 | 15 s48 | 15 s22 | 4 s47 | | | n.a. |
| F 2 | 23 51 | 16 44 | 4 55 | 20 19 | 0 22 | 23 3 | 1 34 | 12 39 | 0 25 | 24 22 | 0 32 | 12 59 | 1 43 | 24 24 | 0 29 | 2 43 | 2 7 | 36 25 | 14 35 | 15 46 | 15 21 | 4 45 | | | n.a. |
| S 3 | 23 53 | 13 18 | 5 8 | 20 44 | 0 13 | 22 48 | 1 33 | 12 55 | 0 24 | 24 23 | 0 32 | 13 1 | 1 43 | 24 24 | 0 29 | 2 43 | 2 8 | 36 25 | 14 35 | 15 44 | 15 20 | 4 43 | | | n.a. |
| S 4 | 23 54 | 9 5 | 5 2 | 21 7 | 0 4 | 22 32 | 1 32 | 13 10 | 0 24 | 24 23 | 0 32 | 13 3 | 1 43 | 24 24 | 0 29 | 2 43 | 2 8 | 36 26 | 14 36 | 15 42 | 15 19 | 4 41 | | | n.a. |
| M 5 | 23 55 | 4 21 | 4 36 | 21 30 | 0 s 4 | 22 15 | 1 30 | 13 26 | 0 23 | 24 24 | 0 32 | 13 4 | 1 43 | 24 24 | 0 29 | 2 43 | 2 8 | 36 26 | 14 36 | 15 41 | 15 18 | 4 38 | | | n.a. |
| T 6 | 23 55 | 0 s34 | 3 54 | 21 53 | 0 12 | 21 58 | 1 29 | 13 41 | 0 22 | 24 24 | 0 33 | 13 6 | 1 43 | 24 24 | 0 29 | 2 43 | 2 8 | 36 27 | 14 36 | 15 40 | 15 17 | 4 36 | | | n.a. |
| W 7 | 23 55 | 5 24 | 2 58 | 22 15 | 0 20 | 21 41 | 1 28 | 13 56 | 0 21 | 24 25 | 0 33 | 13 8 | 1 43 | 24 24 | 0 29 | 2 43 | 2 8 | 36 27 | 14 37 | 15 40 | 15 16 | 4 34 | | | n.a. |
| T 8 | 23 55 | 9 53 | 1 52 | 22 36 | 0 28 | 21 22 | 1 26 | 14 11 | 0 21 | 24 25 | 0 33 | 13 9 | 1 43 | 24 24 | 0 29 | 2 43 | 2 8 | 36 28 | 14 37 | 15 41 | 15 15 | 4 32 | | | n.a. |
| F 9 | 23 54 | 13 48 | 0 41 | 22 56 | 0 36 | 21 3 | 1 25 | 14 26 | 0 20 | 24 26 | 0 33 | 13 11 | 1 43 | 24 24 | 0 29 | 2 43 | 2 8 | 36 28 | 14 37 | 15 41 | 15 14 | 4 30 | | | n.a. |
| S 10 | 23 52 | 16 56 | 0n31 | 23 16 | 0 43 | 20 44 | 1 23 | 14 41 | 0 19 | 24 26 | 0 33 | 13 12 | 1 43 | 24 24 | 0 29 | 2 42 | 2 8 | 36 29 | 14 37 | 15 41 | 15 13 | 4 28 | | | n.a. |
| S 11 | 23 50 | 19 7 | 1 41 | 23 35 | 0 50 | 20 24 | 1 22 | 14 56 | 0 18 | 24 27 | 0 33 | 13 14 | 1 43 | 24 24 | 0 29 | 2 42 | 2 8 | 36 29 | 14 37 | 15 40 | 15 12 | 4 26 | | | n.a. |
| M12 | 23 48 | 20 14 | 2 44 | 23 52 | 0 57 | 20 3 | 1 20 | 15 11 | 0 17 | 24 27 | 0 33 | 13 15 | 1 44 | 24 24 | 0 29 | 2 42 | 2 8 | 36 30 | 14 38 | 15 39 | 15 11 | 4 23 | | | n.a. |
| T 13 | 23 45 | 20 16 | 3 38 | 24 9 | 1 3 | 19 42 | 1 18 | 15 25 | 0 16 | 24 28 | 0 33 | 13 17 | 1 44 | 24 24 | 0 29 | 2 42 | 2 8 | 36 30 | 14 38 | 15 37 | 15 10 | 4 21 | | | n.a. |
| W14 | 23 41 | 19 15 | 4 19 | 24 25 | 1 9 | 19 20 | 1 16 | 15 40 | 0 16 | 24 28 | 0 33 | 13 18 | 1 44 | 24 24 | 0 29 | 2 43 | 2 8 | 36 31 | 14 38 | 15 34 | 15 9 | 4 19 | | | n.a. |
| T 15 | 23 38 | 17 18 | 4 48 | 24 39 | 1 15 | 18 58 | 1 14 | 15 54 | 0 15 | 24 28 | 0 34 | 13 20 | 1 44 | 24 24 | 0 29 | 2 43 | 2 8 | 36 31 | 14 38 | 15 31 | 15 8 | 4 17 | | | n.a. |
| F 16 | 23 33 | 14 37 | 5 2 | 24 52 | 1 21 | 18 35 | 1 12 | 16 8 | 0 14 | 24 28 | 0 34 | 13 21 | 1 44 | 24 24 | 0 29 | 2 43 | 2 9 | 36 32 | 14 38 | 15 27 | 15 7 | 4 15 | | | n.a. |
| S 17 | 23 29 | 11 20 | 5 2 | 25 4 | 1 26 | 18 12 | 1 10 | 16 22 | 0 13 | 24 29 | 0 34 | 13 23 | 1 44 | 24 24 | 0 29 | 2 43 | 2 9 | 36 32 | 14 39 | 15 24 | 15 6 | 4 13 | | | n.a. |
| S 18 | 23 23 | 7 38 | 4 49 | 25 15 | 1 31 | 17 49 | 1 8 | 16 36 | 0 12 | 24 29 | 0 34 | 13 24 | 1 44 | 24 24 | 0 29 | 2 43 | 2 9 | 36 33 | 14 39 | 15 21 | 15 5 | 4 11 | | | n.a. |
| M19 | 23 18 | 3 40 | 4 24 | 25 24 | 1 36 | 17 25 | 1 6 | 16 50 | 0 11 | 24 29 | 0 34 | 13 25 | 1 44 | 24 24 | 0 29 | 2 43 | 2 9 | 36 33 | 14 39 | 15 18 | 15 4 | 4 8 | | | n.a. |
| T 20 | 23 12 | 0n25 | 3 47 | 25 32 | 1 40 | 17 0 | 1 4 | 17 3 | 0 10 | 24 29 | 0 34 | 13 27 | 1 44 | 24 24 | 0 29 | 2 43 | 2 9 | 36 33 | 14 39 | 15 17 | 15 3 | 4 6 | | | n.a. |
| W21 | 23 5 | 4 30 | 3 0 | 25 38 | 1 44 | 16 35 | 1 1 | 17 17 | 0 10 | 24 30 | 0 34 | 13 28 | 1 44 | 24 24 | 0 29 | 2 43 | 2 9 | 36 34 | 14 39 | 15 16 | 15 2 | 4 4 | | | n.a. |
| T 22 | 22 58 | 8 27 | 2 5 | 25 43 | 1 48 | 16 10 | 0 59 | 17 30 | 0 9 | 24 30 | 0 34 | 13 29 | 1 44 | 24 24 | 0 29 | 2 43 | 2 9 | 36 34 | 14 39 | 15 16 | 15 1 | 4 2 | | | n.a. |
| F 23 | 22 51 | 12 7 | 1 4 | 25 46 | 1 51 | 15 44 | 0 56 | 17 43 | 0 8 | 24 30 | 0 35 | 13 30 | 1 45 | 24 24 | 0 29 | 2 43 | 2 9 | 36 35 | 14 39 | 15 16 | 15 0 | 4 0 | | | n.a. |
| S 24 | 22 43 | 15 21 | 0 s 2 | 25 47 | 1 54 | 15 18 | 0 54 | 17 56 | 0 7 | 24 30 | 0 35 | 13 31 | 1 45 | 24 24 | 0 29 | 2 44 | 2 9 | 36 35 | 14 39 | 15 16 | 14 59 | 3 58 | | | n.a. |
| S 25 | 22 35 | 17 56 | 1 9 | 25 47 | 1 56 | 14 51 | 0 51 | 18 9 | 0 6 | 24 30 | 0 35 | 13 33 | 1 45 | 24 24 | 0 29 | 2 44 | 2 9 | 36 35 | 14 40 | 15 16 | 14 58 | 3 56 | | | n.a. |
| M26 | 22 26 | 19 40 | 2 15 | 25 45 | 1 58 | 14 24 | 0 49 | 18 22 | 0 5 | 24 30 | 0 35 | 13 34 | 1 45 | 24 24 | 0 29 | 2 44 | 2 9 | 36 36 | 14 40 | 15 15 | 14 57 | 3 53 | | | n.a. |
| T 27 | 22 17 | 20 19 | 3 16 | 25 41 | 2 0 | 13 57 | 0 46 | 18 34 | 0 4 | 24 30 | 0 35 | 13 35 | 1 45 | 24 24 | 0 29 | 2 44 | 2 9 | 36 36 | 14 40 | 15 13 | 14 56 | 3 51 | | | n.a. |
| W28 | 22 8 | 19 44 | 4 6 | 25 35 | 2 1 | 13 29 | 0 43 | 18 46 | 0 3 | 24 30 | 0 35 | 13 36 | 1 45 | 24 24 | 0 29 | 2 44 | 2 9 | 36 36 | 14 40 | 15 10 | 14 55 | 3 49 | | | n.a. |
| T 29 | 21 58 | 17 52 | 4 42 | 25 27 | 2 2 | 13 1 | 0 40 | 18 59 | 0 2 | 24 30 | 0 35 | 13 37 | 1 45 | 24 23 | 0 29 | 2 45 | 2 9 | 36 37 | 14 40 | 15 7 | 14 54 | 3 47 | | | n.a. |
| F 30 | 21 48 | 14 48 | 5 0 | 25 17 | 2 2 | 12 33 | 0 37 | 19 11 | 0 1 | 24 30 | 0 36 | 13 38 | 1 45 | 24 23 | 0 29 | 2 45 | 2 10 | 36 37 | 14 40 | 15 4 | 14 53 | 3 45 | | | n.a. |
| S 31 | 21 s37 | 10n46 | 4 s58 | 25 s 5 | 2 s 2 | 12 s 5 | 0 s34 | 19 s23 | 0n 0 | 24 s30 | 0 s36 | 13 s39 | 1n45 | 24n23 | 0n29 | 2n45 | 2n10 | 36n37 | 14n40 | 15 s 0 | 14 s52 | 3 s43 | | | n.a. |

Julian Day Number = 994940.5, Delta T = 12h58m02s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'44, Lahiri = -31°22'43 Julian Calendar 1 Jan. 1989 BCE == Greg. Calendar 15 Dec. 1990 BCE

The year -1988 astronomical counting style corresponds to year 1989 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## FEBRUARY 1989 BCE (-1988) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 34 33 | 25♉41'08 | 3♍47 | 16♉45 | 1♓37 | 25♏38 | 2♉17 | 10♏42 | 27°R49 | 28°R 4 | 21°R25 | 9°R31 | 9♏12 | 10♓37 | n.a. | S 1 |
| M 2 | 7 38 29 | 26°40'37 | 18°33 | 18°36 | 2°49 | 26°22 | 2°31 | 10°45 | 27♊47 | 28♍ 4 | 21♋23 | 9♏24 | 9° 8 | 10°44 | n.a. | M 2 |
| T 3 | 7 42 26 | 27°40'05 | 3♎ 3 | 20°27 | 4° 0 | 27° 6 | 2°45 | 10°48 | 27°45 | 28° 3 | 21°21 | 9°20 | 9° 5 | 10°50 | n.a. | T 3 |
| W 4 | 7 46 22 | 28°39'30 | 17°15 | 22°20 | 5°12 | 27°50 | 2°58 | 10°52 | 27°43 | 28° 3 | 21°20 | 9°18 | 9° 2 | 10°57 | n.a. | W 4 |
| T 5 | 7 50 19 | 29°38'54 | 1♏ 6 | 24°15 | 6°23 | 28°34 | 3°12 | 10°55 | 27°41 | 28° 2 | 21°18 | 9°18 | 8°59 | 11° 4 | n.a. | T 5 |
| F 6 | 7 54 15 | 0♒38'15 | 14°39 | 26°10 | 7°34 | 29°18 | 3°25 | 10°58 | 27°39 | 28° 1 | 21°17 | 9°18 | 8°56 | 11°11 | n.a. | F 6 |
| S 7 | 7 58 12 | 1°37'35 | 27°54 | 28° 7 | 8°45 | 0♐ 2 | 3°39 | 11° 0 | 27°37 | 28° 1 | 21°15 | 9°17 | 8°52 | 11°17 | n.a. | S 7 |
| S 8 | 8 2 8 | 2°36'53 | 10♐54 | 0♒ 4 | 9°56 | 0°45 | 3°52 | 11° 3 | 27°35 | 28° 0 | 21°14 | 9°14 | 8°49 | 11°24 | n.a. | S 8 |
| M 9 | 8 6 5 | 3°36'09 | 23°42 | 2° 3 | 11° 7 | 1°29 | 4° 6 | 11° 6 | 27°33 | 27°59 | 21°12 | 9° 8 | 8°46 | 11°31 | n.a. | M 9 |
| T 10 | 8 10 2 | 4°35'23 | 6♉19 | 4° 3 | 12°18 | 2°13 | 4°19 | 11° 8 | 27°31 | 27°58 | 21°11 | 8°59 | 8°43 | 11°37 | n.a. | T 10 |
| W11 | 8 13 58 | 5°34'34 | 18°45 | 6° 4 | 13°28 | 2°57 | 4°32 | 11°11 | 27°29 | 27°58 | 21° 9 | 8°48 | 8°40 | 11°44 | n.a. | W11 |
| T 12 | 8 17 55 | 6°33'44 | 1♒ 3 | 8° 5 | 14°39 | 3°41 | 4°46 | 11°13 | 27°27 | 27°57 | 21° 7 | 8°34 | 8°37 | 11°51 | n.a. | T 12 |
| F 13 | 8 21 51 | 7°32'51 | 13°12 | 10° 8 | 15°49 | 4°25 | 4°59 | 11°16 | 27°25 | 27°56 | 21° 6 | 8°20 | 8°33 | 11°57 | n.a. | F 13 |
| S 14 | 8 25 48 | 8°31'56 | 25°14 | 12°11 | 17° 0 | 5° 9 | 5°12 | 11°18 | 27°23 | 27°55 | 21° 4 | 8° 6 | 8°30 | 12° 4 | n.a. | S 14 |
| S 15 | 8 29 44 | 9°30'59 | 7♓ 9 | 14°14 | 18°10 | 5°53 | 5°25 | 11°20 | 27°21 | 27°54 | 21° 3 | 7°53 | 8°27 | 12°11 | n.a. | S 15 |
| M16 | 8 33 41 | 10°29'59 | 18°59 | 16°17 | 19°20 | 6°37 | 5°38 | 11°22 | 27°20 | 27°53 | 21° 1 | 7°43 | 8°24 | 12°18 | n.a. | M16 |
| T 17 | 8 37 37 | 11°28'57 | 0♈48 | 18°20 | 20°30 | 7°21 | 5°51 | 11°24 | 27°18 | 27°52 | 21° 0 | 7°36 | 8°21 | 12°24 | n.a. | T 17 |
| W18 | 8 41 34 | 12°27'53 | 12°38 | 20°23 | 21°40 | 8° 5 | 6° 4 | 11°26 | 27°16 | 27°51 | 20°59 | 7°31 | 8°17 | 12°31 | n.a. | W18 |
| T 19 | 8 45 30 | 13°26'46 | 24°34 | 22°26 | 22°50 | 8°49 | 6°17 | 11°27 | 27°15 | 27°50 | 20°57 | 7°29 | 8°14 | 12°38 | n.a. | T 19 |
| F 20 | 8 49 27 | 14°25'37 | 6♉41 | 24°27 | 23°59 | 9°32 | 6°30 | 11°29 | 27°13 | 27°49 | 20°56 | 7°29 | 8°11 | 12°44 | n.a. | F 20 |
| S 21 | 8 53 24 | 15°24'25 | 19° 3 | 26°27 | 25° 9 | 10°16 | 6°42 | 11°31 | 27°12 | 27°48 | 20°54 | 7°29 | 8° 8 | 12°51 | n.a. | S 21 |
| S 22 | 8 57 20 | 16°23'11 | 1♊46 | 28°25 | 26°18 | 11° 0 | 6°55 | 11°32 | 27°10 | 27°47 | 20°53 | 7°28 | 8° 5 | 12°58 | n.a. | S 22 |
| M23 | 9 1 17 | 17°21'54 | 14°56 | 0♓21 | 27°27 | 11°44 | 7° 7 | 11°33 | 27° 9 | 27°46 | 20°51 | 7°26 | 8° 2 | 13° 4 | n.a. | M23 |
| T 24 | 9 5 13 | 18°20'36 | 28°34 | 2°14 | 28°36 | 12°28 | 7°20 | 11°35 | 27° 8 | 27°45 | 20°50 | 7°21 | 7°58 | 13°11 | n.a. | T 24 |
| W25 | 9 9 10 | 19°19'14 | 12♋42 | 4° 5 | 29°45 | 13°12 | 7°32 | 11°36 | 27° 6 | 27°44 | 20°49 | 7°14 | 7°55 | 13°18 | n.a. | W25 |
| T 26 | 9 13 6 | 20°17'51 | 27°18 | 5°53 | 0♈54 | 13°56 | 7°45 | 11°37 | 27° 5 | 27°42 | 20°47 | 7° 4 | 7°52 | 13°25 | n.a. | T 26 |
| F 27 | 9 17 3 | 21°16'25 | 12♌16 | 7°37 | 2° 3 | 14°40 | 7°57 | 11°38 | 27° 4 | 27°41 | 20°46 | 6°54 | 7°49 | 13°31 | n.a. | F 27 |
| S 28 | 9 20 59 | 22°14'57 | 27°28 | 9°17 | 3°11 | 15°24 | 8° 9 | 11°39 | 27° 3 | 27°40 | 20°45 | 6°43 | 7°46 | 13°38 | n.a. | S 28 |
| S 29 | 9 24 56 | 23♒13'27 | 12♍42 | 10♓54 | 4♈20 | 16♐ 8 | 8♉21 | 11♏39 | 27♊ 1 | 27♍39 | 20♋43 | 6♏34 | 7♏43 | 13♓45 | n.a. | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21 s26 | 6n 3 | 4 s35 | 24 s51 | 2 s 2 | 11 s36 | 0 s31 | 19 s34 | 0 s 1 | 24 s30 | 0 s36 | 13 s40 | 1n45 | 24n23 | 0n29 | 2n45 | 2n10 | 36n38 | 14n40 | 14 s57 | 14 s51 | 3 s41 | | n.a. |
| M 2 | 21 15 | 1 2 | 3 54 | 24 35 | 2 0 | 11 7 | 0 28 | 19 46 | 0 2 | 24 30 | 0 36 | 13 41 | 1 46 | 24 23 | 0 29 | 2 46 | 2 10 | 36 38 | 14 40 | 14 55 | 14 50 | 3 39 | | n.a. |
| T 3 | 21 3 | 3 s58 | 2 59 | 24 17 | 1 59 | 10 37 | 0 25 | 19 57 | 0 3 | 24 30 | 0 36 | 13 42 | 1 46 | 24 23 | 0 29 | 2 46 | 2 10 | 36 38 | 14 40 | 14 54 | 14 49 | 3 36 | | n.a. |
| W 4 | 20 51 | 8 39 | 1 54 | 23 57 | 1 57 | 10 8 | 0 22 | 20 8 | 0 4 | 24 29 | 0 36 | 13 43 | 1 46 | 24 23 | 0 29 | 2 46 | 2 10 | 36 39 | 14 40 | 14 53 | 14 48 | 3 34 | | n.a. |
| T 5 | 20 38 | 12 46 | 0 43 | 23 34 | 1 54 | 9 38 | 0 19 | 20 19 | 0 5 | 24 29 | 0 36 | 13 44 | 1 46 | 24 23 | 0 29 | 2 47 | 2 10 | 36 39 | 14 40 | 14 53 | 14 47 | 3 32 | | n.a. |
| F 6 | 20 25 | 16 6 | 0n28 | 23 9 | 1 51 | 9 8 | 0 15 | 20 30 | 0 6 | 24 29 | 0 37 | 13 44 | 1 46 | 24 23 | 0 29 | 2 47 | 2 10 | 36 39 | 14 40 | 14 53 | 14 46 | 3 30 | | n.a. |
| S 7 | 20 12 | 18 31 | 1 37 | 22 42 | 1 47 | 8 38 | 0 12 | 20 41 | 0 7 | 24 29 | 0 37 | 13 45 | 1 46 | 24 23 | 0 29 | 2 47 | 2 10 | 36 40 | 14 40 | 14 53 | 14 45 | 3 28 | | n.a. |
| S 8 | 19 58 | 19 55 | 2 39 | 22 13 | 1 43 | 8 8 | 0 8 | 20 51 | 0 8 | 24 29 | 0 37 | 13 46 | 1 46 | 24 23 | 0 29 | 2 48 | 2 10 | 36 40 | 14 40 | 14 52 | 14 44 | 3 26 | | n.a. |
| M 9 | 19 44 | 20 15 | 3 32 | 21 41 | 1 38 | 7 37 | 0 5 | 21 1 | 0 9 | 24 28 | 0 37 | 13 47 | 1 46 | 24 23 | 0 29 | 2 48 | 2 10 | 36 40 | 14 40 | 14 50 | 14 42 | 3 24 | | n.a. |
| T 10 | 19 30 | 19 33 | 4 13 | 21 7 | 1 32 | 7 6 | 0 2 | 21 11 | 0 10 | 24 28 | 0 37 | 13 47 | 1 46 | 24 23 | 0 29 | 2 48 | 2 10 | 36 40 | 14 40 | 14 47 | 14 41 | 3 21 | | n.a. |
| W11 | 19 15 | 17 56 | 4 42 | 20 31 | 1 26 | 6 36 | 0n 2 | 21 21 | 0 11 | 24 28 | 0 37 | 13 48 | 1 47 | 24 23 | 0 29 | 2 49 | 2 10 | 36 41 | 14 40 | 14 43 | 14 40 | 3 19 | | n.a. |
| T 12 | 19 0 | 15 30 | 4 57 | 19 53 | 1 19 | 6 5 | 0 6 | 21 31 | 0 12 | 24 27 | 0 37 | 13 49 | 1 47 | 24 23 | 0 29 | 2 49 | 2 10 | 36 41 | 14 40 | 14 39 | 14 39 | 3 17 | | n.a. |
| F 13 | 18 45 | 12 26 | 4 59 | 19 12 | 1 12 | 5 34 | 0 9 | 21 40 | 0 13 | 24 27 | 0 38 | 13 49 | 1 47 | 24 23 | 0 29 | 2 50 | 2 10 | 36 41 | 14 40 | 14 34 | 14 38 | 3 15 | | n.a. |
| S 14 | 18 30 | 8 53 | 4 47 | 18 30 | 1 4 | 5 2 | 0 13 | 21 50 | 0 15 | 24 27 | 0 38 | 13 50 | 1 47 | 24 23 | 0 29 | 2 50 | 2 10 | 36 41 | 14 40 | 14 29 | 14 37 | 3 13 | | n.a. |
| S 15 | 18 14 | 5 1 | 4 22 | 17 46 | 0 55 | 4 31 | 0 16 | 21 59 | 0 16 | 24 26 | 0 38 | 13 50 | 1 47 | 24 23 | 0 29 | 2 50 | 2 11 | 36 41 | 14 40 | 14 25 | 14 36 | 3 11 | | n.a. |
| M16 | 17 57 | 0 59 | 3 46 | 17 0 | 0 46 | 4 0 | 0 20 | 22 7 | 0 17 | 24 26 | 0 38 | 13 51 | 1 47 | 24 23 | 0 29 | 2 51 | 2 11 | 36 42 | 14 40 | 14 22 | 14 35 | 3 9 | | n.a. |
| T 17 | 17 41 | 3n 5 | 3 1 | 16 13 | 0 36 | 3 28 | 0 24 | 22 16 | 0 18 | 24 26 | 0 38 | 13 51 | 1 47 | 24 23 | 0 29 | 2 51 | 2 11 | 36 42 | 14 40 | 14 19 | 14 34 | 3 7 | | n.a. |
| W18 | 17 24 | 7 2 | 2 7 | 15 24 | 0 26 | 2 57 | 0 28 | 22 25 | 0 19 | 24 25 | 0 38 | 13 52 | 1 47 | 24 23 | 0 29 | 2 52 | 2 11 | 36 42 | 14 39 | 14 18 | 14 33 | 3 4 | | n.a. |
| T 19 | 17 7 | 10 45 | 1 8 | 14 34 | 0 16 | 2 25 | 0 31 | 22 33 | 0 20 | 24 25 | 0 39 | 13 52 | 1 47 | 24 23 | 0 29 | 2 52 | 2 11 | 36 42 | 14 39 | 14 17 | 14 32 | 3 2 | | n.a. |
| F 20 | 16 50 | 14 5 | 0 4 | 13 43 | 0 5 | 1 54 | 0 35 | 22 41 | 0 21 | 24 24 | 0 39 | 13 53 | 1 48 | 24 23 | 0 29 | 2 53 | 2 11 | 36 42 | 14 39 | 14 17 | 14 31 | 3 0 | | n.a. |
| S 21 | 16 32 | 16 52 | 1 s 1 | 12 51 | 0n 7 | 1 22 | 0 39 | 22 48 | 0 22 | 24 24 | 0 39 | 13 53 | 1 48 | 24 22 | 0 29 | 2 53 | 2 11 | 36 42 | 14 39 | 14 17 | 14 30 | 2 58 | | n.a. |
| S 22 | 16 14 | 18 54 | 2 5 | 11 59 | 0 18 | 0 51 | 0 43 | 22 56 | 0 24 | 24 23 | 0 39 | 13 53 | 1 48 | 24 22 | 0 29 | 2 54 | 2 11 | 36 42 | 14 39 | 14 17 | 14 29 | 2 56 | | n.a. |
| M23 | 15 56 | 20 0 | 3 4 | 11 6 | 0 30 | 0n19 | 0 47 | 23 3 | 0 25 | 24 23 | 0 39 | 13 54 | 1 48 | 24 22 | 0 29 | 2 54 | 2 11 | 36 43 | 14 39 | 14 16 | 14 28 | 2 54 | | n.a. |
| T 24 | 15 38 | 19 59 | 3 56 | 10 14 | 0 42 | 0n12 | 0 51 | 23 10 | 0 26 | 24 22 | 0 39 | 13 54 | 1 48 | 24 22 | 0 29 | 2 55 | 2 11 | 36 43 | 14 39 | 14 14 | 14 27 | 2 52 | | n.a. |
| W25 | 15 20 | 18 45 | 4 35 | 9 22 | 0 54 | 0 44 | 0 54 | 23 17 | 0 27 | 24 22 | 0 40 | 13 54 | 1 48 | 24 22 | 0 29 | 2 55 | 2 11 | 36 43 | 14 39 | 14 12 | 14 26 | 2 49 | | n.a. |
| T 26 | 15 1 | 16 16 | 4 57 | 8 31 | 1 6 | 1 15 | 0 58 | 23 24 | 0 28 | 24 21 | 0 40 | 13 54 | 1 48 | 24 22 | 0 29 | 2 56 | 2 11 | 36 43 | 14 38 | 14 9 | 14 25 | 2 47 | | n.a. |
| F 27 | 14 42 | 12 40 | 5 0 | 7 41 | 1 18 | 1 47 | 1 2 | 23 30 | 0 30 | 24 21 | 0 40 | 13 55 | 1 48 | 24 22 | 0 29 | 2 56 | 2 11 | 36 43 | 14 38 | 14 5 | 14 24 | 2 45 | | n.a. |
| S 28 | 14 22 | 8 11 | 4 42 | 6 52 | 1 30 | 2 18 | 1 6 | 23 37 | 0 31 | 24 20 | 0 40 | 13 55 | 1 49 | 24 22 | 0 29 | 2 57 | 2 11 | 36 43 | 14 38 | 14 2 | 14 23 | 2 43 | | n.a. |
| S 29 | 14 s 3 | 3n11 | 4 s 4 | 6 s 5 | 1n41 | 2n49 | 1n10 | 23 s43 | 0 s32 | 24 s19 | 0 s40 | 13 s55 | 1n49 | 24n22 | 0n29 | 2n57 | 2n11 | 36n43 | 14n38 | 13 s59 | 14 s22 | 2 s41 | | n.a. |

Julian Day Number = 994971.5, Delta T = 12h58m00s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'40, Lahiri = -31°22'39 Julian Calendar 1 Feb. 1989 BCE == Greg. Calendar 15 Jan. 1989 BCE


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## MARCH 1989 BCE (-1988) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 28 52 | 24♒11'54 | 27♍48 | 12♓26 | 5♈28 | 16♐51 | 8♑34 | 11♏40 | 27°R 0 | 27°R37 | 20°R42 | 6°R27 | 7♏39 | 13♓51 | n.a. | M 1 |
| T 2 | 9 32 49 | 25°10'20 | 12♎36 | 13°53 | 6°36 | 17°35 | 8°46 | 11°41 | 26♊59 | 27♍36 | 20♋41 | 6♏22 | 7°36 | 13°58 | n.a. | T 2 |
| W 3 | 9 36 46 | 26° 8'44 | 27° 3 | 15°16 | 7°43 | 18°19 | 8°57 | 11°41 | 26°58 | 27°35 | 20°40 | 6°21 | 7°33 | 14° 5 | n.a. | W 3 |
| T 4 | 9 40 42 | 27° 7'07 | 11♏ 4 | 16°34 | 8°51 | 19° 3 | 9° 9 | 11°42 | 26°57 | 27°34 | 20°38 | 6°D20 | 7°30 | 14°11 | n.a. | T 4 |
| F 5 | 9 44 39 | 28° 5'28 | 24°40 | 17°47 | 9°59 | 19°47 | 9°21 | 11°42 | 26°57 | 27°32 | 20°37 | 6°R21 | 7°27 | 14°18 | n.a. | F 5 |
| S 6 | 9 48 35 | 29° 3'47 | 7♐54 | 18°55 | 11° 6 | 20°31 | 9°33 | 11°42 | 26°56 | 27°31 | 20°36 | 6°20 | 7°23 | 14°25 | n.a. | S 6 |
| S 7 | 9 52 32 | 0♓ 2'04 | 20°48 | 19°57 | 12°13 | 21°14 | 9°44 | 11°42 | 26°55 | 27°29 | 20°35 | 6°18 | 7°20 | 14°32 | n.a. | S 7 |
| M 8 | 9 56 28 | 1° 0'20 | 3♑25 | 20°55 | 13°20 | 21°58 | 9°56 | 11°R42 | 26°54 | 27°28 | 20°34 | 6°14 | 7°17 | 14°38 | n.a. | M 8 |
| T 9 | 10 0 25 | 1°58'34 | 15°50 | 21°46 | 14°27 | 22°42 | 10° 7 | 11°42 | 26°54 | 27°27 | 20°33 | 6° 7 | 7°14 | 14°45 | n.a. | T 9 |
| W10 | 10 4 21 | 2°56'46 | 28° 4 | 22°33 | 15°34 | 23°26 | 10°18 | 11°42 | 26°53 | 27°25 | 20°32 | 5°58 | 7°11 | 14°52 | n.a. | W10 |
| T 11 | 10 8 18 | 3°54'56 | 10♒10 | 23°14 | 16°40 | 24°10 | 10°30 | 11°42 | 26°52 | 27°24 | 20°30 | 5°47 | 7° 8 | 14°58 | n.a. | T 11 |
| F 12 | 10 12 14 | 4°53'05 | 22° 9 | 23°49 | 17°46 | 24°53 | 10°41 | 11°41 | 26°52 | 27°22 | 20°29 | 5°36 | 7° 4 | 15° 5 | n.a. | F 12 |
| S 13 | 10 16 11 | 5°51'11 | 4♓ 3 | 24°18 | 18°52 | 25°37 | 10°52 | 11°41 | 26°51 | 27°21 | 20°28 | 5°24 | 7° 1 | 15°12 | n.a. | S 13 |
| S 14 | 10 20 8 | 6°49'16 | 15°55 | 24°42 | 19°58 | 26°21 | 11° 3 | 11°40 | 26°51 | 27°19 | 20°27 | 5°14 | 6°58 | 15°18 | n.a. | S 14 |
| M15 | 10 24 4 | 7°47'19 | 27°44 | 25° 0 | 21° 4 | 27° 4 | 11°14 | 11°39 | 26°51 | 27°18 | 20°26 | 5° 6 | 6°55 | 15°25 | n.a. | M15 |
| T 16 | 10 28 1 | 8°45'20 | 9♈33 | 25°13 | 22° 9 | 27°48 | 11°24 | 11°39 | 26°50 | 27°16 | 20°25 | 5° 0 | 6°52 | 15°32 | n.a. | T 16 |
| W17 | 10 31 57 | 9°43'19 | 21°26 | 25°20 | 23°14 | 28°31 | 11°35 | 11°38 | 26°50 | 27°15 | 20°25 | 4°57 | 6°48 | 15°38 | n.a. | W17 |
| T 18 | 10 35 54 | 10°41'16 | 3♉24 | 25°R22 | 24°19 | 29°15 | 11°46 | 11°37 | 26°50 | 27°13 | 20°24 | 4°D56 | 6°45 | 15°45 | n.a. | T 18 |
| F 19 | 10 39 50 | 11°39'11 | 15°33 | 25°18 | 25°24 | 29°59 | 11°56 | 11°36 | 26°50 | 27°12 | 20°23 | 4°56 | 6°42 | 15°52 | n.a. | F 19 |
| S 20 | 10 43 47 | 12°37'05 | 27°55 | 25°10 | 26°28 | 0♑42 | 12° 6 | 11°35 | 26°50 | 27°10 | 20°22 | 4°57 | 6°39 | 15°59 | n.a. | S 20 |
| S 21 | 10 47 43 | 13°34'56 | 10♊37 | 24°56 | 27°33 | 1°26 | 12°17 | 11°33 | 26°D50 | 27° 9 | 20°21 | 4°R58 | 6°36 | 16° 5 | n.a. | S 21 |
| M22 | 10 51 40 | 14°32'45 | 23°42 | 24°38 | 28°37 | 2° 9 | 12°27 | 11°32 | 26°50 | 27° 7 | 20°20 | 4°58 | 6°33 | 16°12 | n.a. | M22 |
| T 23 | 10 55 36 | 15°30'33 | 7♋14 | 24°16 | 29°40 | 2°52 | 12°37 | 11°31 | 26°50 | 27° 5 | 20°20 | 4°56 | 6°29 | 16°19 | n.a. | T 23 |
| W24 | 10 59 33 | 16°28'18 | 21°14 | 23°51 | 0♉44 | 3°36 | 12°47 | 11°29 | 26°50 | 27° 4 | 20°19 | 4°52 | 6°26 | 16°25 | n.a. | W24 |
| T 25 | 11 3 30 | 17°26'02 | 5♌43 | 23°22 | 1°47 | 4°19 | 12°56 | 11°28 | 26°50 | 27° 2 | 20°18 | 4°46 | 6°23 | 16°32 | n.a. | T 25 |
| F 26 | 11 7 26 | 18°23'44 | 20°36 | 22°50 | 2°50 | 5° 2 | 13° 6 | 11°26 | 26°50 | 27° 1 | 20°17 | 4°39 | 6°20 | 16°39 | n.a. | F 26 |
| S 27 | 11 11 23 | 19°21'24 | 5♍46 | 22°17 | 3°52 | 5°46 | 13°16 | 11°24 | 26°50 | 26°59 | 20°17 | 4°33 | 6°17 | 16°45 | n.a. | S 27 |
| S 28 | 11 15 19 | 20°19'02 | 21° 3 | 21°42 | 4°55 | 6°29 | 13°25 | 11°22 | 26°51 | 26°58 | 20°16 | 4°27 | 6°14 | 16°52 | n.a. | S 28 |
| M29 | 11 19 16 | 21°16'39 | 6♎17 | 21° 6 | 5°57 | 7°12 | 13°34 | 11°20 | 26°51 | 26°56 | 20°15 | 4°22 | 6°10 | 16°59 | n.a. | M29 |
| T 30 | 11 23 12 | 22°14'14 | 21°16 | 20°29 | 6°58 | 7°55 | 13°44 | 11°18 | 26°52 | 26°54 | 20°15 | 4°20 | 6° 7 | 17° 5 | n.a. | T 30 |
| W31 | 11 27 9 | 23♓11'49 | 5♏55 | 19♓54 | 8♉ 0 | 8♑38 | 13♑53 | 11♏16 | 26♊52 | 26♍53 | 20♋14 | 4°D19 | 6♏ 4 | 17♓12 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| M 1 | 13s43 | 1s59 | 3s 9 | 5s19 | 1n52 | 3n20 | 1n14 | 23s48 | 0s33 | 24s19 | 0s41 | 13s55 | 1n49 | 24n22 | 0n29 | 2n58 | 2n11 | 36n43 | 14n38 | 13s56 | 14s21 | 2s39 | | | n.a. |
| T 2 | 13 23 | 6 57 | 2 2 | 4 35 | 2 3 | 3 51 | 1 18 | 23 54 | 0 34 | 24 18 | 0 41 | 13 55 | 1 49 | 24 22 | 0 29 | 2 58 | 2 11 | 36 43 | 14 38 | 13 55 | 14 19 | 2 37 | | | n.a. |
| W 3 | 13 3 | 11 23 | 0 49 | 3 53 | 2 13 | 4 22 | 1 22 | 23 59 | 0 36 | 24 18 | 0 41 | 13 55 | 1 49 | 24 22 | 0 29 | 2 59 | 2 11 | 36 43 | 14 37 | 13 54 | 14 18 | 2 35 | | | n.a. |
| T 4 | 12 43 | 15 3 | 0n25 | 3 14 | 2 22 | 4 53 | 1 26 | 24 4 | 0 37 | 24 17 | 0 41 | 13 55 | 1 49 | 24 22 | 0 29 | 3 0 | 2 11 | 36 43 | 14 37 | 13 54 | 14 17 | 2 33 | | | n.a. |
| F 5 | 12 23 | 17 46 | 1 36 | 2 37 | 2 31 | 5 24 | 1 30 | 24 9 | 0 38 | 24 16 | 0 41 | 13 55 | 1 49 | 24 22 | 0 29 | 3 0 | 2 11 | 36 43 | 14 37 | 13 54 | 14 16 | 2 30 | | | n.a. |
| S 6 | 12 2 | 19 27 | 2 40 | 2 2 | 2 39 | 5 54 | 1 34 | 24 14 | 0 39 | 24 16 | 0 42 | 13 55 | 1 49 | 24 22 | 0 29 | 3 1 | 2 11 | 36 43 | 14 37 | 13 54 | 14 15 | 2 28 | | | n.a. |
| S 7 | 11 41 | 20 3 | 3 33 | 1 30 | 2 47 | 6 25 | 1 37 | 24 18 | 0 41 | 24 15 | 0 42 | 13 55 | 1 49 | 24 22 | 0 29 | 3 1 | 2 12 | 36 43 | 14 36 | 13 54 | 14 14 | 2 26 | | | n.a. |
| M 8 | 11 20 | 19 37 | 4 16 | 1 1 | 2 54 | 6 55 | 1 41 | 24 22 | 0 42 | 24 14 | 0 42 | 13 55 | 1 50 | 24 22 | 0 29 | 3 2 | 2 12 | 36 43 | 14 36 | 13 52 | 14 13 | 2 24 | | | n.a. |
| T 9 | 10 59 | 18 15 | 4 45 | 0 35 | 2 59 | 7 25 | 1 45 | 24 26 | 0 43 | 24 14 | 0 42 | 13 55 | 1 50 | 24 22 | 0 29 | 3 2 | 2 12 | 36 43 | 14 36 | 13 50 | 14 12 | 2 22 | | | n.a. |
| W10 | 10 38 | 16 4 | 5 0 | 0 12 | 3 4 | 7 55 | 1 49 | 24 30 | 0 45 | 24 13 | 0 42 | 13 55 | 1 50 | 24 22 | 0 29 | 3 3 | 2 12 | 36 43 | 14 36 | 13 47 | 14 11 | 2 20 | | | n.a. |
| T 11 | 10 16 | 13 12 | 5 2 | 0n 8 | 3 8 | 8 24 | 1 53 | 24 33 | 0 46 | 24 12 | 0 43 | 13 54 | 1 50 | 24 22 | 0 29 | 3 4 | 2 12 | 36 43 | 14 35 | 13 43 | 14 10 | 2 18 | | | n.a. |
| F 12 | 9 55 | 9 50 | 4 51 | 0 24 | 3 11 | 8 54 | 1 57 | 24 36 | 0 47 | 24 11 | 0 43 | 13 54 | 1 50 | 24 22 | 0 29 | 3 4 | 2 12 | 36 43 | 14 35 | 13 39 | 14 9 | 2 16 | | | n.a. |
| S 13 | 9 33 | 6 5 | 4 27 | 0 38 | 3 13 | 9 23 | 2 0 | 24 39 | 0 48 | 24 11 | 0 43 | 13 54 | 1 50 | 24 22 | 0 29 | 3 5 | 2 12 | 36 43 | 14 35 | 13 35 | 14 8 | 2 13 | | | n.a. |
| S 14 | 9 11 | 2 7 | 3 51 | 0 48 | 3 13 | 9 52 | 2 4 | 24 42 | 0 50 | 24 10 | 0 43 | 13 54 | 1 50 | 24 22 | 0 29 | 3 6 | 2 12 | 36 43 | 14 35 | 13 32 | 14 7 | 2 11 | | | n.a. |
| M15 | 8 49 | 1n54 | 3 6 | 0 55 | 3 13 | 10 21 | 2 8 | 24 44 | 0 51 | 24 9 | 0 43 | 13 53 | 1 50 | 24 22 | 0 29 | 3 6 | 2 12 | 36 42 | 14 34 | 13 29 | 14 6 | 2 9 | | | n.a. |
| T 16 | 8 27 | 5 52 | 2 12 | 0 58 | 3 11 | 10 49 | 2 11 | 24 47 | 0 52 | 24 9 | 0 44 | 13 53 | 1 50 | 24 22 | 0 29 | 3 7 | 2 12 | 36 42 | 14 34 | 13 27 | 14 5 | 2 7 | | | n.a. |
| W17 | 8 5 | 9 38 | 1 12 | 0 58 | 3 8 | 11 17 | 2 15 | 24 48 | 0 54 | 24 8 | 0 44 | 13 53 | 1 51 | 24 22 | 0 29 | 3 7 | 2 12 | 36 42 | 14 34 | 13 26 | 14 4 | 2 5 | | | n.a. |
| T 18 | 7 42 | 13 2 | 0 8 | 0 55 | 3 3 | 11 45 | 2 19 | 24 50 | 0 55 | 24 7 | 0 44 | 13 52 | 1 51 | 24 22 | 0 29 | 3 8 | 2 12 | 36 42 | 14 34 | 13 26 | 14 3 | 2 3 | | | n.a. |
| F 19 | 7 20 | 15 55 | 0s57 | 0 48 | 2 58 | 12 13 | 2 22 | 24 52 | 0 56 | 24 6 | 0 44 | 13 52 | 1 51 | 24 22 | 0 29 | 3 9 | 2 12 | 36 42 | 14 33 | 13 26 | 14 1 | 2 1 | | | n.a. |
| S 20 | 6 57 | 18 8 | 2 1 | 0 39 | 2 51 | 12 40 | 2 26 | 24 53 | 0 58 | 24 6 | 0 44 | 13 51 | 1 51 | 24 22 | 0 29 | 3 9 | 2 12 | 36 42 | 14 33 | 13 26 | 14 0 | 1 59 | | | n.a. |
| S 21 | 6 35 | 19 31 | 3 0 | 0 26 | 2 43 | 13 7 | 2 29 | 24 54 | 0 59 | 24 5 | 0 45 | 13 51 | 1 51 | 24 22 | 0 29 | 3 10 | 2 12 | 36 42 | 14 33 | 13 26 | 13 59 | 1 57 | | | n.a. |
| M22 | 6 12 | 19 54 | 3 52 | 0 10 | 2 33 | 13 34 | 2 32 | 24 55 | 1 0 | 24 4 | 0 45 | 13 50 | 1 51 | 24 22 | 0 29 | 3 11 | 2 12 | 36 42 | 14 32 | 13 26 | 13 58 | 1 54 | | | n.a. |
| T 23 | 5 49 | 19 10 | 4 33 | 0s 9 | 2 22 | 14 0 | 2 36 | 24 55 | 1 2 | 24 3 | 0 45 | 13 50 | 1 51 | 24 22 | 0 29 | 3 11 | 2 12 | 36 41 | 14 32 | 13 25 | 13 57 | 1 52 | | | n.a. |
| W24 | 5 27 | 17 16 | 5 0 | 0 30 | 2 11 | 14 26 | 2 39 | 24 55 | 1 3 | 24 3 | 0 45 | 13 49 | 1 51 | 24 22 | 0 29 | 3 12 | 2 12 | 36 41 | 14 32 | 13 24 | 13 56 | 1 50 | | | n.a. |
| T 25 | 5 4 | 14 15 | 5 8 | 0 53 | 1 58 | 14 51 | 2 42 | 24 56 | 1 5 | 24 2 | 0 46 | 13 49 | 1 51 | 24 21 | 0 29 | 3 13 | 2 12 | 36 41 | 14 31 | 13 22 | 13 55 | 1 48 | | | n.a. |
| F 26 | 4 41 | 10 14 | 4 56 | 1 19 | 1 44 | 15 17 | 2 45 | 24 55 | 1 6 | 24 1 | 0 46 | 13 48 | 1 51 | 24 21 | 0 29 | 3 13 | 2 12 | 36 41 | 14 31 | 13 20 | 13 54 | 1 46 | | | n.a. |
| S 27 | 4 18 | 5 30 | 4 24 | 1 46 | 1 29 | 15 41 | 2 48 | 24 55 | 1 7 | 24 0 | 0 46 | 13 47 | 1 52 | 24 21 | 0 29 | 3 14 | 2 12 | 36 41 | 14 31 | 13 18 | 13 53 | 1 44 | | | n.a. |
| S 28 | 3 55 | 0 22 | 3 33 | 2 14 | 1 14 | 16 6 | 2 51 | 24 54 | 1 9 | 24 0 | 0 46 | 13 47 | 1 52 | 24 21 | 0 29 | 3 15 | 2 12 | 36 40 | 14 30 | 13 16 | 13 52 | 1 42 | | | n.a. |
| M29 | 3 32 | 4s46 | 2 26 | 2 43 | 0 58 | 16 30 | 2 54 | 24 53 | 1 10 | 23 59 | 0 46 | 13 46 | 1 52 | 24 21 | 0 28 | 3 15 | 2 12 | 36 40 | 14 30 | 13 14 | 13 51 | 1 40 | | | n.a. |
| T 30 | 3 8 | 9 33 | 1 10 | 3 13 | 0 41 | 16 54 | 2 57 | 24 52 | 1 12 | 23 58 | 0 47 | 13 45 | 1 52 | 24 21 | 0 28 | 3 16 | 2 12 | 36 40 | 14 30 | 13 13 | 13 50 | 1 38 | | | n.a. |
| W31 | 2s45 | 13s38 | 0n 9 | 3s42 | 0n25 | 17n17 | 3n 0 | 24s51 | 1s13 | 23s58 | 0s47 | 13s45 | 1n52 | 24n21 | 0n28 | 3n17 | 2n12 | 36n40 | 14n29 | 13s13 | 13s49 | 1s35 | | | n.a. |

Julian Day Number = 995000.5, Delta T = 12h57m58s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'36, Lahiri = -31°22'35 Julian Calendar 1 March 1989 BCE == Greg. Calendar 13 Feb. 1989 BCE

The year -1988 astronomical counting style corresponds to year 1989 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## APRIL 1989 BCE (-1988) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 31 5 | 24♓ 9'21 | 20♏ 8 | 19°R19 | 9♉ 1 | 9♑21 | 14♑ 2 | 11°R14 | 26♊53 | 26°R51 | 20°R14 | 4♏20 | 6♏ 1 | 17♓19 | n.a. | T 1 |
| F 2 | 11 35 2 | 25° 6'53 | 3♐54 | 18♓46 | 10° 1 | 10° 4 | 14°10 | 11♏12 | 26°53 | 26♍49 | 20♋13 | 4°21 | 5°58 | 17°26 | n.a. | F 2 |
| S 3 | 11 38 59 | 26° 4'24 | 17°14 | 18°15 | 11° 2 | 10°47 | 14°19 | 11° 9 | 26°54 | 26°48 | 20°13 | 4°23 | 5°54 | 17°32 | n.a. | S 3 |
| S 4 | 11 42 55 | 27° 1'54 | 0♑10 | 17°47 | 12° 2 | 11°30 | 14°28 | 11° 7 | 26°55 | 26°46 | 20°12 | 4°R23 | 5°51 | 17°39 | n.a. | S 4 |
| M 5 | 11 46 52 | 27°59'23 | 12°47 | 17°21 | 13° 1 | 12°13 | 14°36 | 11° 4 | 26°55 | 26°45 | 20°12 | 4°22 | 5°48 | 17°46 | n.a. | M 5 |
| T 6 | 11 50 48 | 28°56'50 | 25° 7 | 17° 0 | 14° 0 | 12°56 | 14°44 | 11° 2 | 26°56 | 26°43 | 20°12 | 4°19 | 5°45 | 17°52 | n.a. | T 6 |
| W 7 | 11 54 45 | 29°54'17 | 7♒15 | 16°42 | 14°59 | 13°39 | 14°53 | 10°59 | 26°57 | 26°41 | 20°11 | 4°15 | 5°42 | 17°59 | n.a. | W 7 |
| T 8 | 11 58 41 | 0♈51'43 | 19°14 | 16°28 | 15°58 | 14°21 | 15° 1 | 10°56 | 26°58 | 26°40 | 20°11 | 4°10 | 5°39 | 18° 6 | n.a. | T 8 |
| F 9 | 12 2 38 | 1°49'07 | 1♓ 7 | 16°18 | 16°56 | 15° 4 | 15° 9 | 10°53 | 26°59 | 26°38 | 20°11 | 4° 4 | 5°35 | 18°12 | n.a. | F 9 |
| S 10 | 12 6 34 | 2°46'31 | 12°58 | 16°12 | 17°53 | 15°47 | 15°16 | 10°50 | 27° 0 | 26°36 | 20°11 | 3°58 | 5°32 | 18°19 | n.a. | S 10 |
| S 11 | 12 10 31 | 3°43'53 | 24°47 | 16°D11 | 18°50 | 16°29 | 15°24 | 10°47 | 27° 1 | 26°35 | 20°10 | 3°53 | 5°29 | 18°26 | n.a. | S 11 |
| M12 | 12 14 27 | 4°41'14 | 6♈38 | 16°15 | 19°47 | 17°12 | 15°31 | 10°44 | 27° 2 | 26°33 | 20°10 | 3°50 | 5°26 | 18°32 | n.a. | M12 |
| T 13 | 12 18 24 | 5°38'35 | 18°32 | 16°23 | 20°43 | 17°54 | 15°39 | 10°41 | 27° 3 | 26°32 | 20°10 | 3°47 | 5°23 | 18°39 | n.a. | T 13 |
| W14 | 12 22 21 | 6°35'54 | 0♉31 | 16°35 | 21°39 | 18°36 | 15°46 | 10°38 | 27° 5 | 26°30 | 20°10 | 3°D46 | 5°20 | 18°46 | n.a. | W14 |
| T 15 | 12 26 17 | 7°33'12 | 12°38 | 16°52 | 22°34 | 19°19 | 15°53 | 10°35 | 27° 6 | 26°28 | 20°10 | 3°46 | 5°16 | 18°52 | n.a. | T 15 |
| F 16 | 12 30 14 | 8°30'29 | 24°54 | 17°14 | 23°29 | 20° 1 | 16° 0 | 10°32 | 27° 7 | 26°27 | 20°10 | 3°48 | 5°13 | 18°59 | n.a. | F 16 |
| S 17 | 12 34 10 | 9°27'45 | 7♊24 | 17°40 | 24°23 | 20°43 | 16° 7 | 10°28 | 27° 9 | 26°25 | 20°10 | 3°49 | 5°10 | 19° 6 | n.a. | S 17 |
| S 18 | 12 38 7 | 10°25'00 | 20°11 | 18°10 | 25°16 | 21°25 | 16°13 | 10°25 | 27°10 | 26°24 | 20°D10 | 3°51 | 5° 7 | 19°13 | n.a. | S 18 |
| M19 | 12 42 3 | 11°22'13 | 3♋17 | 18°44 | 26° 9 | 22° 7 | 16°20 | 10°21 | 27°11 | 26°22 | 20°10 | 3°52 | 5° 4 | 19°19 | n.a. | M19 |
| T 20 | 12 46 0 | 12°19'26 | 16°45 | 19°22 | 27° 2 | 22°49 | 16°26 | 10°18 | 27°13 | 26°21 | 20°10 | 3°R52 | 5° 0 | 19°26 | n.a. | T 20 |
| W21 | 12 49 56 | 13°16'37 | 0♌37 | 20° 4 | 27°54 | 23°30 | 16°32 | 10°14 | 27°15 | 26°19 | 20°10 | 3°51 | 4°57 | 19°33 | n.a. | W21 |
| T 22 | 12 53 53 | 14°13'47 | 14°53 | 20°50 | 28°45 | 24°12 | 16°38 | 10°10 | 27°16 | 26°18 | 20°10 | 3°49 | 4°54 | 19°39 | n.a. | T 22 |
| F 23 | 12 57 50 | 15°10'56 | 29°31 | 21°40 | 29°35 | 24°54 | 16°44 | 10° 7 | 27°18 | 26°16 | 20°10 | 3°47 | 4°51 | 19°46 | n.a. | F 23 |
| S 24 | 13 1 46 | 16° 8'05 | 14♍26 | 22°33 | 0♊25 | 25°35 | 16°49 | 10° 3 | 27°20 | 26°15 | 20°10 | 3°45 | 4°48 | 19°53 | n.a. | S 24 |
| S 25 | 13 5 43 | 17° 5'12 | 29°30 | 23°31 | 1°14 | 26°17 | 16°55 | 9°59 | 27°21 | 26°13 | 20°10 | 3°43 | 4°45 | 19°59 | n.a. | S 25 |
| M26 | 13 9 39 | 18° 2'18 | 14♎35 | 24°31 | 2° 2 | 26°58 | 17° 0 | 9°55 | 27°23 | 26°12 | 20°11 | 3°42 | 4°41 | 20° 6 | n.a. | M26 |
| T 27 | 13 13 36 | 18°59'24 | 29°32 | 25°35 | 2°49 | 27°39 | 17° 5 | 9°51 | 27°25 | 26°10 | 20°11 | 3°D41 | 4°38 | 20°13 | n.a. | T 27 |
| W28 | 13 17 32 | 19°56'30 | 14♏12 | 26°43 | 3°36 | 28°20 | 17°10 | 9°47 | 27°27 | 26° 9 | 20°11 | 3°41 | 4°35 | 20°19 | n.a. | W28 |
| T 29 | 13 21 29 | 20°53'35 | 28°31 | 27°54 | 4°22 | 29° 1 | 17°15 | 9°43 | 27°29 | 26° 7 | 20°12 | 3°42 | 4°32 | 20°26 | n.a. | T 29 |
| F 30 | 13 25 26 | 21♈50'39 | 12♐24 | 29♓ 8 | 5♊ 7 | 29♑42 | 17♑20 | 9♏39 | 27♊31 | 26♍ 6 | 20♋12 | 3♏43 | 4♏29 | 20♓33 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s22 | 16s46 | 1n25 | 4s12 | 0n 8 | 17n39 | 3n 2 | 24s49 | 1s14 | 23s57 | 0s47 | 13s44 | 1n52 | 24n21 | 0n28 | 3n17 | 2n12 | 36n39 | 14n29 | 13s13 | 13s48 | 1s33 | | n.a. |
| F 2 | 1 59 | 18 50 | 2 34 | 4 40 | 0s 9 | 18 2 | 3 5 | 24 47 | 1 16 | 23 56 | 0 47 | 13 43 | 1 52 | 24 21 | 0 28 | 3 18 | 2 12 | 36 39 | 14 29 | 13 14 | 13 47 | 1 31 | | n.a. |
| S 3 | 1 35 | 19 46 | 3 32 | 5 8 | 0 26 | 18 24 | 3 7 | 24 45 | 1 17 | 23 55 | 0 48 | 13 42 | 1 52 | 24 21 | 0 28 | 3 19 | 2 12 | 36 39 | 14 28 | 13 14 | 13 45 | 1 29 | | n.a. |
| S 4 | 1 12 | 19 37 | 4 18 | 5 34 | 0 42 | 18 45 | 3 10 | 24 43 | 1 19 | 23 55 | 0 48 | 13 41 | 1 52 | 24 21 | 0 28 | 3 19 | 2 12 | 36 39 | 14 28 | 13 14 | 13 44 | 1 27 | | n.a. |
| M 5 | 0 49 | 18 29 | 4 50 | 5 58 | 0 58 | 19 6 | 3 12 | 24 41 | 1 20 | 23 54 | 0 48 | 13 40 | 1 52 | 24 21 | 0 28 | 3 20 | 2 12 | 36 38 | 14 28 | 13 14 | 13 43 | 1 25 | | n.a. |
| T 6 | 0 26 | 16 30 | 5 7 | 6 21 | 1 13 | 19 27 | 3 14 | 24 38 | 1 22 | 23 53 | 0 48 | 13 40 | 1 52 | 24 21 | 0 28 | 3 21 | 2 12 | 36 38 | 14 27 | 13 13 | 13 42 | 1 23 | | n.a. |
| W 7 | 0 2 | 13 49 | 5 11 | 6 42 | 1 27 | 19 47 | 3 16 | 24 35 | 1 23 | 23 53 | 0 49 | 13 39 | 1 52 | 24 21 | 0 28 | 3 21 | 2 12 | 36 38 | 14 27 | 13 11 | 13 41 | 1 21 | | n.a. |
| T 8 | 0n21 | 10 36 | 5 1 | 7 0 | 1 41 | 20 6 | 3 18 | 24 32 | 1 24 | 23 52 | 0 49 | 13 38 | 1 52 | 24 21 | 0 28 | 3 22 | 2 12 | 36 37 | 14 27 | 13 10 | 13 40 | 1 19 | | n.a. |
| F 9 | 0 44 | 6 58 | 4 38 | 7 16 | 1 54 | 20 25 | 3 20 | 24 28 | 1 26 | 23 51 | 0 49 | 13 37 | 1 53 | 24 21 | 0 28 | 3 23 | 2 12 | 36 37 | 14 26 | 13 8 | 13 39 | 1 17 | | n.a. |
| S 10 | 1 8 | 3 6 | 4 3 | 7 29 | 2 6 | 20 44 | 3 22 | 24 25 | 1 27 | 23 51 | 0 49 | 13 36 | 1 53 | 24 21 | 0 28 | 3 23 | 2 12 | 36 37 | 14 26 | 13 6 | 13 38 | 1 14 | | n.a. |
| S 11 | 1 31 | 0n54 | 3 17 | 7 39 | 2 17 | 21 2 | 3 23 | 24 21 | 1 29 | 23 50 | 0 50 | 13 35 | 1 53 | 24 21 | 0 28 | 3 24 | 2 12 | 36 36 | 14 26 | 13 4 | 13 37 | 1 12 | | n.a. |
| M12 | 1 54 | 4 52 | 2 23 | 7 47 | 2 28 | 21 19 | 3 25 | 24 17 | 1 30 | 23 49 | 0 50 | 13 34 | 1 53 | 24 21 | 0 28 | 3 25 | 2 12 | 36 36 | 14 25 | 13 3 | 13 36 | 1 10 | | n.a. |
| T 13 | 2 17 | 8 40 | 1 23 | 7 53 | 2 37 | 21 36 | 3 26 | 24 13 | 1 32 | 23 49 | 0 50 | 13 33 | 1 53 | 24 21 | 0 28 | 3 25 | 2 12 | 36 36 | 14 25 | 13 2 | 13 35 | 1 8 | | n.a. |
| W14 | 2 40 | 12 10 | 0 18 | 7 55 | 2 45 | 21 52 | 3 28 | 24 8 | 1 33 | 23 48 | 0 50 | 13 32 | 1 53 | 24 21 | 0 28 | 3 26 | 2 12 | 36 35 | 14 24 | 13 2 | 13 34 | 1 6 | | n.a. |
| T 15 | 3 3 | 15 10 | 0s49 | 7 55 | 2 52 | 22 8 | 3 29 | 24 4 | 1 35 | 23 48 | 0 51 | 13 31 | 1 53 | 24 22 | 0 28 | 3 26 | 2 12 | 36 35 | 14 24 | 13 2 | 13 32 | 1 4 | | n.a. |
| F 16 | 3 26 | 17 32 | 1 54 | 7 52 | 2 59 | 22 24 | 3 30 | 23 59 | 1 36 | 23 47 | 0 51 | 13 30 | 1 53 | 24 22 | 0 28 | 3 27 | 2 12 | 36 35 | 14 24 | 13 2 | 13 31 | 1 2 | | n.a. |
| S 17 | 3 49 | 19 7 | 2 55 | 7 47 | 3 4 | 22 38 | 3 30 | 23 54 | 1 38 | 23 47 | 0 51 | 13 28 | 1 53 | 24 22 | 0 28 | 3 28 | 2 12 | 36 34 | 14 23 | 13 3 | 13 30 | 1 0 | | n.a. |
| S 18 | 4 12 | 19 45 | 3 49 | 7 39 | 3 8 | 22 52 | 3 31 | 23 49 | 1 39 | 23 46 | 0 52 | 13 27 | 1 53 | 24 22 | 0 28 | 3 28 | 2 12 | 36 34 | 14 23 | 13 3 | 13 29 | 0 58 | | n.a. |
| M19 | 4 35 | 19 21 | 4 32 | 7 29 | 3 12 | 23 6 | 3 32 | 23 43 | 1 41 | 23 45 | 0 52 | 13 26 | 1 53 | 24 22 | 0 28 | 3 29 | 2 12 | 36 34 | 14 23 | 13 3 | 13 28 | 0 56 | | n.a. |
| T 20 | 4 58 | 17 52 | 5 2 | 7 16 | 3 14 | 23 19 | 3 32 | 23 38 | 1 42 | 23 45 | 0 52 | 13 25 | 1 53 | 24 22 | 0 28 | 3 30 | 2 12 | 36 33 | 14 22 | 13 3 | 13 27 | 0 53 | | n.a. |
| W21 | 5 21 | 15 18 | 5 15 | 7 0 | 3 16 | 23 32 | 3 32 | 23 32 | 1 44 | 23 44 | 0 52 | 13 24 | 1 53 | 24 22 | 0 28 | 3 30 | 2 12 | 36 33 | 14 22 | 13 3 | 13 26 | 0 51 | | n.a. |
| T 22 | 5 43 | 11 46 | 5 10 | 6 42 | 3 17 | 23 43 | 3 32 | 23 26 | 1 45 | 23 44 | 0 53 | 13 23 | 1 53 | 24 22 | 0 28 | 3 31 | 2 12 | 36 32 | 14 21 | 13 3 | 13 25 | 0 49 | | n.a. |
| F 23 | 6 6 | 7 26 | 4 44 | 6 22 | 3 17 | 23 55 | 3 32 | 23 20 | 1 47 | 23 44 | 0 53 | 13 21 | 1 53 | 24 22 | 0 28 | 3 31 | 2 12 | 36 32 | 14 21 | 13 2 | 13 24 | 0 47 | | n.a. |
| S 24 | 6 28 | 2 34 | 4 0 | 6 0 | 3 16 | 24 5 | 3 32 | 23 13 | 1 48 | 23 43 | 0 53 | 13 20 | 1 53 | 24 22 | 0 28 | 3 32 | 2 12 | 36 32 | 14 21 | 13 1 | 13 23 | 0 45 | | n.a. |
| S 25 | 6 51 | 2s31 | 2 58 | 5 35 | 3 14 | 24 15 | 3 31 | 23 7 | 1 50 | 23 43 | 0 54 | 13 19 | 1 53 | 24 22 | 0 28 | 3 32 | 2 12 | 36 31 | 14 20 | 13 0 | 13 22 | 0 43 | | n.a. |
| M26 | 7 13 | 7 27 | 1 44 | 5 9 | 3 12 | 24 25 | 3 30 | 23 0 | 1 51 | 23 42 | 0 54 | 13 18 | 1 53 | 24 22 | 0 28 | 3 33 | 2 12 | 36 31 | 14 20 | 13 0 | 13 21 | 0 41 | | n.a. |
| T 27 | 7 35 | 11 53 | 0 23 | 4 40 | 3 9 | 24 34 | 3 29 | 22 53 | 1 53 | 23 42 | 0 54 | 13 16 | 1 53 | 24 22 | 0 28 | 3 34 | 2 12 | 36 30 | 14 19 | 13 0 | 13 19 | 0 39 | | n.a. |
| W28 | 7 57 | 15 30 | 0n58 | 4 9 | 3 5 | 24 42 | 3 28 | 22 46 | 1 54 | 23 42 | 0 54 | 13 15 | 1 53 | 24 22 | 0 28 | 3 34 | 2 12 | 36 30 | 14 19 | 13 0 | 13 18 | 0 37 | | n.a. |
| T 29 | 8 19 | 18 4 | 2 13 | 3 36 | 3 1 | 24 50 | 3 27 | 22 39 | 1 56 | 23 41 | 0 55 | 13 14 | 1 53 | 24 22 | 0 28 | 3 35 | 2 12 | 36 30 | 14 19 | 13 0 | 13 17 | 0 35 | | n.a. |
| F 30 | 8n41 | 19s27 | 3n19 | 3s 1 | 2s55 | 24n57 | 3n26 | 22s32 | 1s57 | 23s41 | 0s55 | 13s13 | 1n53 | 24n22 | 0n28 | 3n35 | 2n12 | 36n29 | 14n18 | 13s 0 | 13s16 | 0s33 | | n.a. |

Julian Day Number = 995031.5, Delta T = 12h57m56s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'31, Lahiri = -31°22'31 Julian Calendar 1 Apr. 1989 BCE == Greg. Calendar 15 March 1989 BCE


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## MAY 1989 BCE (-1988) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 29 22 | 22♈47'44 | 25♐51 | 0♈25 | 5♊51 | 0♒23 | 17♑24 | 9°R35 | 27♊33 | 26°R 4 | 20♋12 | 3♏44 | 4♏25 | 20♓39 | n.a. | S 1 |
| S 2 | 13 33 19 | 23°44'48 | 8♑53 | 1°46 | 6°34 | 1° 4 | 17°29 | 9♏31 | 27°35 | 26♍ 3 | 20°13 | 3°45 | 4°22 | 20°46 | n.a. | S 2 |
| M 3 | 13 37 15 | 24°41'52 | 21°33 | 3°10 | 7°16 | 1°45 | 17°33 | 9°27 | 27°37 | 26° 2 | 20°13 | 3°R45 | 4°19 | 20°53 | n.a. | M 3 |
| T 4 | 13 41 12 | 25°38'56 | 3♒54 | 4°37 | 7°57 | 2°25 | 17°37 | 9°23 | 27°39 | 26° 0 | 20°14 | 3°45 | 4°16 | 21° 0 | n.a. | T 4 |
| W 5 | 13 45 8 | 26°36'00 | 16° 1 | 6° 7 | 8°37 | 3° 6 | 17°40 | 9°19 | 27°42 | 25°59 | 20°14 | 3°44 | 4°13 | 21° 6 | n.a. | W 5 |
| T 6 | 13 49 5 | 27°33'04 | 27°58 | 7°40 | 9°16 | 3°46 | 17°44 | 9°14 | 27°44 | 25°58 | 20°15 | 3°44 | 4°10 | 21°13 | n.a. | T 6 |
| F 7 | 13 53 1 | 28°30'07 | 9♓49 | 9°16 | 9°54 | 4°26 | 17°48 | 9°10 | 27°46 | 25°56 | 20°15 | 3°43 | 4° 6 | 21°20 | n.a. | F 7 |
| S 8 | 13 56 58 | 29°27'11 | 21°39 | 10°55 | 10°31 | 5° 6 | 17°51 | 9° 6 | 27°48 | 25°55 | 20°16 | 3°42 | 4° 3 | 21°26 | n.a. | S 8 |
| S 9 | 14 0 55 | 0♉24'15 | 3♈29 | 12°37 | 11° 6 | 5°46 | 17°54 | 9° 1 | 27°51 | 25°54 | 20°17 | 3°42 | 4° 0 | 21°33 | n.a. | S 9 |
| M10 | 14 4 51 | 1°21'18 | 15°24 | 14°22 | 11°41 | 6°26 | 17°57 | 8°57 | 27°53 | 25°52 | 20°17 | 3°42 | 3°57 | 21°40 | n.a. | M10 |
| T 11 | 14 8 48 | 2°18'22 | 27°26 | 16°10 | 12°14 | 7° 6 | 17°59 | 8°53 | 27°56 | 25°51 | 20°18 | 3°42 | 3°54 | 21°46 | n.a. | T 11 |
| W12 | 14 12 44 | 3°15'25 | 9♉36 | 18° 1 | 12°45 | 7°45 | 18° 2 | 8°48 | 27°58 | 25°50 | 20°19 | 3°42 | 3°51 | 21°53 | n.a. | W12 |
| T 13 | 14 16 41 | 4°12'28 | 21°56 | 19°54 | 13°16 | 8°25 | 18° 4 | 8°44 | 28° 1 | 25°49 | 20°20 | 3°42 | 3°47 | 22° 0 | n.a. | T 13 |
| F 14 | 14 20 37 | 5° 9'32 | 4♊29 | 21°50 | 13°44 | 9° 4 | 18° 6 | 8°40 | 28° 3 | 25°48 | 20°20 | 3°42 | 3°44 | 22° 6 | n.a. | F 14 |
| S 15 | 14 24 34 | 6° 6'35 | 17°14 | 23°48 | 14°12 | 9°43 | 18° 8 | 8°35 | 28° 6 | 25°46 | 20°21 | 3°41 | 3°41 | 22°13 | n.a. | S 15 |
| S 16 | 14 28 31 | 7° 3'38 | 0♋14 | 25°48 | 14°37 | 10°22 | 18°10 | 8°31 | 28° 9 | 25°45 | 20°22 | 3°41 | 3°38 | 22°20 | n.a. | S 16 |
| M17 | 14 32 27 | 8° 0'41 | 13°30 | 27°51 | 15° 1 | 11° 1 | 18°12 | 8°27 | 28°11 | 25°44 | 20°23 | 3°41 | 3°35 | 22°26 | n.a. | M17 |
| T 18 | 14 36 24 | 8°57'44 | 27° 2 | 29°55 | 15°24 | 11°39 | 18°13 | 8°22 | 28°14 | 25°43 | 20°24 | 3°40 | 3°31 | 22°33 | n.a. | T 18 |
| W19 | 14 40 20 | 9°54'46 | 10♌52 | 2♉ 1 | 15°44 | 12°18 | 18°14 | 8°18 | 28°17 | 25°42 | 20°25 | 3°D40 | 3°28 | 22°40 | n.a. | W19 |
| T 20 | 14 44 17 | 10°51'48 | 24°58 | 4° 8 | 16° 3 | 12°56 | 18°15 | 8°13 | 28°20 | 25°41 | 20°26 | 3°40 | 3°25 | 22°46 | n.a. | T 20 |
| F 21 | 14 48 13 | 11°48'51 | 9♍19 | 6°16 | 16°20 | 13°34 | 18°16 | 8° 9 | 28°22 | 25°40 | 20°27 | 3°41 | 3°22 | 22°53 | n.a. | F 21 |
| S 22 | 14 52 10 | 12°45'53 | 23°53 | 8°25 | 16°35 | 14°12 | 18°17 | 8° 5 | 28°25 | 25°39 | 20°28 | 3°42 | 3°19 | 23° 0 | n.a. | S 22 |
| S 23 | 14 56 6 | 13°42'55 | 8♎35 | 10°35 | 16°48 | 14°50 | 18°17 | 8° 0 | 28°28 | 25°38 | 20°29 | 3°42 | 3°16 | 23° 6 | n.a. | S 23 |
| M24 | 15 0 3 | 14°39'57 | 23°18 | 12°44 | 16°59 | 15°28 | 18°17 | 7°56 | 28°31 | 25°37 | 20°30 | 3°43 | 3°12 | 23°13 | n.a. | M24 |
| T 25 | 15 4 0 | 15°37'00 | 7♏58 | 14°54 | 17° 8 | 16° 5 | 18°R17 | 7°52 | 28°34 | 25°36 | 20°31 | 3°R43 | 3° 9 | 23°20 | n.a. | T 25 |
| W26 | 15 7 56 | 16°34'03 | 22°27 | 17° 3 | 17°14 | 16°43 | 18°17 | 7°47 | 28°37 | 25°35 | 20°32 | 3°42 | 3° 6 | 23°26 | n.a. | W26 |
| T 27 | 15 11 53 | 17°31'06 | 6♐39 | 19°11 | 17°19 | 17°20 | 18°17 | 7°43 | 28°40 | 25°34 | 20°33 | 3°41 | 3° 3 | 23°33 | n.a. | T 27 |
| F 28 | 15 15 49 | 18°28'10 | 20°31 | 21°19 | 17°R21 | 17°57 | 18°16 | 7°39 | 28°43 | 25°34 | 20°34 | 3°40 | 3° 0 | 23°40 | n.a. | F 28 |
| S 29 | 15 19 46 | 19°25'15 | 3♑59 | 23°26 | 17°21 | 18°33 | 18°15 | 7°34 | 28°46 | 25°33 | 20°36 | 3°38 | 2°56 | 23°47 | n.a. | S 29 |
| S 30 | 15 23 42 | 20°22'20 | 17° 4 | 25°31 | 17°19 | 19°10 | 18°14 | 7°30 | 28°49 | 25°32 | 20°37 | 3°36 | 2°53 | 23°53 | n.a. | S 30 |
| M31 | 15 27 39 | 21♉19'27 | 29♑47 | 27♉35 | 17♊14 | 19♒46 | 18♑13 | 7♏26 | 28♊52 | 25♍31 | 20♋38 | 3♏34 | 2♏50 | 24♓ 0 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 9n 2 | 19s41 | 4n11 | 2s25 | 2s49 | 25n 3 | 3n24 | 22s24 | 1s59 | 23s41 | 0s55 | 13s11 | 1n53 | 24n22 | 0n28 | 3n36 | 2n12 | 36n29 | 14n18 | 13s 1 | 13s15 | 0s30 | | n.a. | S 1 |
| S 2 | 9 24 | 18 50 | 4 48 | 1 46 | 2 43 | 25 9 | 3 22 | 22 17 | 2 0 | 23 40 | 0 56 | 13 10 | 1 53 | 24 22 | 0 28 | 3 36 | 2 12 | 36 28 | 14 18 | 13 1 | 13 14 | 0 28 | | n.a. | S 2 |
| M 3 | 9 45 | 17 3 | 5 10 | 1 6 | 2 36 | 25 14 | 3 20 | 22 9 | 2 2 | 23 40 | 0 56 | 13 9 | 1 53 | 24 22 | 0 28 | 3 37 | 2 12 | 36 28 | 14 17 | 13 1 | 13 13 | 0 26 | | n.a. | M 3 |
| T 4 | 10 7 | 14 32 | 5 17 | 0 24 | 2 28 | 25 19 | 3 17 | 22 1 | 2 3 | 23 40 | 0 56 | 13 7 | 1 53 | 24 22 | 0 28 | 3 37 | 2 12 | 36 27 | 14 17 | 13 1 | 13 12 | 0 24 | | n.a. | T 4 |
| W 5 | 10 28 | 11 26 | 5 10 | 0n20 | 2 20 | 25 23 | 3 14 | 21 53 | 2 5 | 23 40 | 0 56 | 13 6 | 1 53 | 24 22 | 0 28 | 3 38 | 2 11 | 36 27 | 14 16 | 13 1 | 13 11 | 0 22 | | n.a. | W 5 |
| T 6 | 10 49 | 7 54 | 4 49 | 1 5 | 2 12 | 25 26 | 3 11 | 21 45 | 2 7 | 23 39 | 0 57 | 13 5 | 1 53 | 24 22 | 0 28 | 3 38 | 2 11 | 36 26 | 14 16 | 13 1 | 13 10 | 0 20 | | n.a. | T 6 |
| F 7 | 11 9 | 4 5 | 4 17 | 1 52 | 2 3 | 25 29 | 3 8 | 21 36 | 2 8 | 23 39 | 0 57 | 13 3 | 1 53 | 24 22 | 0 28 | 3 39 | 2 11 | 36 26 | 14 16 | 13 0 | 13 9 | 0 18 | | n.a. | F 7 |
| S 8 | 11 30 | 0 8 | 3 33 | 2 41 | 1 53 | 25 31 | 3 5 | 21 28 | 2 10 | 23 39 | 0 57 | 13 2 | 1 53 | 24 22 | 0 28 | 3 39 | 2 11 | 36 25 | 14 15 | 13 0 | 13 7 | 0 16 | | n.a. | S 8 |
| S 9 | 11 50 | 3n51 | 2 40 | 3 30 | 1 43 | 25 33 | 3 1 | 21 19 | 2 11 | 23 39 | 0 58 | 13 1 | 1 53 | 24 22 | 0 28 | 3 40 | 2 11 | 36 25 | 14 15 | 13 0 | 13 6 | 0 14 | | n.a. | S 9 |
| M10 | 12 11 | 7 43 | 1 40 | 4 21 | 1 33 | 25 34 | 2 57 | 21 11 | 2 13 | 23 39 | 0 58 | 12 59 | 1 53 | 24 22 | 0 28 | 3 40 | 2 11 | 36 24 | 14 15 | 13 0 | 13 5 | 0 12 | | n.a. | M10 |
| T 11 | 12 31 | 11 18 | 0 35 | 5 13 | 1 22 | 25 34 | 2 53 | 21 2 | 2 14 | 23 39 | 0 58 | 12 58 | 1 53 | 24 22 | 0 28 | 3 41 | 2 11 | 36 24 | 14 14 | 13 0 | 13 4 | 0 10 | | n.a. | T 11 |
| W12 | 12 51 | 14 28 | 0s33 | 6 6 | 1 11 | 25 34 | 2 48 | 20 53 | 2 16 | 23 39 | 0 59 | 12 57 | 1 53 | 24 22 | 0 28 | 3 41 | 2 11 | 36 24 | 14 14 | 13 0 | 13 3 | 0 8 | | n.a. | W12 |
| T 13 | 13 11 | 17 1 | 1 40 | 7 0 | 1 0 | 25 33 | 2 43 | 20 44 | 2 17 | 23 39 | 0 59 | 12 55 | 1 53 | 24 22 | 0 28 | 3 42 | 2 11 | 36 23 | 14 13 | 13 0 | 13 2 | 0 6 | | n.a. | T 13 |
| F 14 | 13 30 | 18 48 | 2 43 | 7 55 | 0 49 | 25 31 | 2 38 | 20 35 | 2 19 | 23 39 | 0 59 | 12 54 | 1 53 | 24 22 | 0 28 | 3 42 | 2 11 | 36 23 | 14 13 | 13 0 | 13 1 | 0 3 | | n.a. | F 14 |
| S 15 | 13 49 | 19 40 | 3 39 | 8 50 | 0 38 | 25 29 | 2 32 | 20 25 | 2 20 | 23 39 | 1 0 | 12 52 | 1 53 | 24 22 | 0 28 | 3 43 | 2 11 | 36 22 | 14 13 | 13 0 | 13 0 | 0 1 | | n.a. | S 15 |
| S 16 | 14 9 | 19 30 | 4 25 | 9 45 | 0 27 | 25 26 | 2 26 | 20 16 | 2 22 | 23 39 | 1 0 | 12 51 | 1 53 | 24 22 | 0 28 | 3 43 | 2 11 | 36 22 | 14 12 | 13 0 | 12 59 | 0n 1 | | n.a. | S 16 |
| M17 | 14 28 | 18 17 | 4 58 | 10 41 | 0 15 | 25 23 | 2 20 | 20 7 | 2 24 | 23 39 | 1 0 | 12 50 | 1 53 | 24 22 | 0 28 | 3 43 | 2 11 | 36 21 | 14 12 | 13 0 | 12 58 | 0 3 | | n.a. | M17 |
| T 18 | 14 46 | 16 1 | 5 15 | 11 36 | 0 4 | 25 19 | 2 13 | 19 57 | 2 25 | 23 39 | 1 1 | 12 48 | 1 52 | 24 22 | 0 28 | 3 44 | 2 11 | 36 21 | 14 12 | 13 0 | 12 56 | 0 5 | | n.a. | T 18 |
| W19 | 15 5 | 12 49 | 5 15 | 12 31 | 0n 7 | 25 14 | 2 6 | 19 48 | 2 27 | 23 39 | 1 1 | 12 47 | 1 52 | 24 22 | 0 28 | 3 44 | 2 11 | 36 20 | 14 11 | 12 59 | 12 55 | 0 7 | | n.a. | W19 |
| T 20 | 15 23 | 8 49 | 4 56 | 13 25 | 0 17 | 25 9 | 1 59 | 19 38 | 2 28 | 23 39 | 1 1 | 12 46 | 1 52 | 24 22 | 0 28 | 3 45 | 2 11 | 36 20 | 14 11 | 13 0 | 12 54 | 0 9 | | n.a. | T 20 |
| F 21 | 15 41 | 4 15 | 4 18 | 14 19 | 0 28 | 25 3 | 1 51 | 19 28 | 2 30 | 23 40 | 1 1 | 12 44 | 1 52 | 24 22 | 0 28 | 3 45 | 2 11 | 36 19 | 14 11 | 13 0 | 12 53 | 0 11 | | n.a. | F 21 |
| S 22 | 15 59 | 0s38 | 3 23 | 15 11 | 0 38 | 24 57 | 1 43 | 19 18 | 2 31 | 23 40 | 1 2 | 12 43 | 1 52 | 24 22 | 0 28 | 3 45 | 2 11 | 36 18 | 14 10 | 13 0 | 12 52 | 0 13 | | n.a. | S 22 |
| S 23 | 16 16 | 5 32 | 2 15 | 16 2 | 0 47 | 24 49 | 1 35 | 19 8 | 2 33 | 23 40 | 1 2 | 12 42 | 1 52 | 24 22 | 0 28 | 3 46 | 2 11 | 36 18 | 14 10 | 13 0 | 12 51 | 0 15 | | n.a. | S 23 |
| M24 | 16 34 | 10 7 | 0 57 | 16 52 | 0 56 | 24 42 | 1 26 | 18 58 | 2 34 | 23 40 | 1 2 | 12 40 | 1 52 | 24 22 | 0 28 | 3 46 | 2 11 | 36 17 | 14 10 | 13 0 | 12 50 | 0 17 | | n.a. | M24 |
| T 25 | 16 51 | 14 4 | 0n24 | 17 39 | 1 4 | 24 34 | 1 17 | 18 48 | 2 36 | 23 41 | 1 3 | 12 39 | 1 52 | 24 22 | 0 28 | 3 46 | 2 11 | 36 17 | 14 9 | 13 0 | 12 49 | 0 19 | | n.a. | T 25 |
| W26 | 17 7 | 17 7 | 1 42 | 18 25 | 1 12 | 24 25 | 1 7 | 18 38 | 2 37 | 23 41 | 1 3 | 12 38 | 1 52 | 24 22 | 0 28 | 3 47 | 2 10 | 36 16 | 14 9 | 13 0 | 12 48 | 0 21 | | n.a. | W26 |
| T 27 | 17 24 | 19 1 | 2 52 | 19 9 | 1 19 | 24 15 | 0 57 | 18 28 | 2 39 | 23 41 | 1 3 | 12 36 | 1 52 | 24 23 | 0 28 | 3 47 | 2 10 | 36 16 | 14 9 | 13 0 | 12 46 | 0 23 | | n.a. | T 27 |
| F 28 | 17 40 | 19 44 | 3 51 | 19 50 | 1 26 | 24 5 | 0 47 | 18 18 | 2 41 | 23 42 | 1 4 | 12 35 | 1 52 | 24 23 | 0 28 | 3 47 | 2 10 | 36 15 | 14 8 | 12 59 | 12 45 | 0 25 | | n.a. | F 28 |
| S 29 | 17 56 | 19 17 | 4 35 | 20 29 | 1 32 | 23 54 | 0 36 | 18 8 | 2 42 | 23 42 | 1 4 | 12 34 | 1 51 | 24 23 | 0 28 | 3 47 | 2 10 | 36 15 | 14 8 | 12 59 | 12 44 | 0 28 | | n.a. | S 29 |
| S 30 | 18 12 | 17 48 | 5 3 | 21 6 | 1 37 | 23 43 | 0 25 | 17 57 | 2 44 | 23 43 | 1 4 | 12 32 | 1 51 | 24 23 | 0 28 | 3 48 | 2 10 | 36 14 | 14 8 | 12 58 | 12 43 | 0 30 | | n.a. | S 30 |
| M31 | 18n27 | 15s28 | 5n15 | 21n40 | 1n42 | 23n31 | 0n13 | 17s47 | 2s45 | 23s43 | 1s 5 | 12s31 | 1n51 | 24n23 | 0n28 | 3n48 | 2n10 | 36n14 | 14n 7 | 12s57 | 12s42 | 0n32 | | n.a. | M31 |

Julian Day Number = 995061.5, Delta T = 12h57m54s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'27, Lahiri = -31°22'27 Julian Calendar 1 May 1989 BCE == Greg. Calendar 14 Apr. 1989 BCE

The year -1988 astronomical counting style corresponds to year 1989 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## JUNE 1989 BCE (-1988) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 31 36 | 22♉16'33 | 12♒11 | 29♉38 | 17°R 7 | 20♒23 | 18°R12 | 7°R22 | 28♊56 | 25°R31 | 20♋39 | 3°R33 | 2♏47 | 24♓ 7 | n.a. | T 1 |
| W 2 | 15 35 32 | 23°13'41 | 24°19 | 1♊39 | 16♊57 | 20°58 | 18♑11 | 7♏18 | 28°59 | 25♍30 | 20°41 | 3°D32 | 2°44 | 24°13 | n.a. | W 2 |
| T 3 | 15 39 29 | 24°10'50 | 6♓16 | 3°39 | 16°45 | 21°34 | 18° 9 | 7°14 | 29° 2 | 25°29 | 20°42 | 3♏33 | 2°41 | 24°20 | n.a. | T 3 |
| F 4 | 15 43 25 | 25° 8'00 | 18° 7 | 5°37 | 16°31 | 22°10 | 18° 7 | 7° 9 | 29° 5 | 25°29 | 20°43 | 3°34 | 2°37 | 24°27 | n.a. | F 4 |
| S 5 | 15 47 22 | 26° 5'10 | 29°57 | 7°34 | 16°15 | 22°45 | 18° 5 | 7° 5 | 29° 9 | 25°28 | 20°45 | 3°36 | 2°34 | 24°33 | n.a. | S 5 |
| S 6 | 15 51 18 | 27° 2'22 | 11♈50 | 9°29 | 15°56 | 23°20 | 18° 3 | 7° 1 | 29°12 | 25°27 | 20°46 | 3°37 | 2°31 | 24°40 | n.a. | S 6 |
| M 7 | 15 55 15 | 27°59'34 | 23°50 | 11°22 | 15°35 | 23°55 | 18° 0 | 6°57 | 29°15 | 25°27 | 20°48 | 3°38 | 2°28 | 24°47 | n.a. | M 7 |
| T 8 | 15 59 11 | 28°56'48 | 6♉ 0 | 13°13 | 15°12 | 24°29 | 17°57 | 6°53 | 29°19 | 25°26 | 20°49 | 3°R39 | 2°25 | 24°53 | n.a. | T 8 |
| W 9 | 16 3 8 | 29°54'03 | 18°23 | 15° 3 | 14°47 | 25° 4 | 17°55 | 6°50 | 29°22 | 25°26 | 20°51 | 3°38 | 2°22 | 25° 0 | n.a. | W 9 |
| T 10 | 16 7 5 | 0♊51'18 | 1♊ 0 | 16°51 | 14°20 | 25°38 | 17°52 | 6°46 | 29°25 | 25°25 | 20°52 | 3°36 | 2°18 | 25° 7 | n.a. | T 10 |
| F 11 | 16 11 1 | 1°48'35 | 13°53 | 18°37 | 13°51 | 26°12 | 17°48 | 6°42 | 29°29 | 25°25 | 20°54 | 3°32 | 2°15 | 25°13 | n.a. | F 11 |
| S 12 | 16 14 58 | 2°45'52 | 27° 1 | 20°21 | 13°20 | 26°45 | 17°45 | 6°38 | 29°32 | 25°25 | 20°55 | 3°28 | 2°12 | 25°20 | n.a. | S 12 |
| S 13 | 16 18 54 | 3°43'10 | 10♋22 | 22° 4 | 12°48 | 27°18 | 17°41 | 6°35 | 29°36 | 25°24 | 20°57 | 3°23 | 2° 9 | 25°27 | n.a. | S 13 |
| M14 | 16 22 51 | 4°40'29 | 23°57 | 23°45 | 12°15 | 27°51 | 17°38 | 6°31 | 29°39 | 25°24 | 20°58 | 3°19 | 2° 6 | 25°33 | n.a. | M14 |
| T 15 | 16 26 47 | 5°37'49 | 7♌44 | 25°24 | 11°40 | 28°24 | 17°34 | 6°27 | 29°43 | 25°24 | 21° 0 | 3°16 | 2° 2 | 25°40 | n.a. | T 15 |
| W16 | 16 30 44 | 6°35'10 | 21°40 | 27° 2 | 11° 5 | 28°56 | 17°29 | 6°24 | 29°46 | 25°23 | 21° 2 | 3°13 | 1°59 | 25°47 | n.a. | W16 |
| T 17 | 16 34 41 | 7°32'31 | 5♍44 | 28°38 | 10°29 | 29°28 | 17°25 | 6°20 | 29°50 | 25°23 | 21° 3 | 3°D12 | 1°56 | 25°53 | n.a. | T 17 |
| F 18 | 16 38 37 | 8°29'54 | 19°55 | 0♎12 | 9°52 | 0♓ 0 | 17°21 | 6°17 | 29°53 | 25°23 | 21° 5 | 3°13 | 1°53 | 26° 0 | n.a. | F 18 |
| S 19 | 16 42 34 | 9°27'17 | 4♎11 | 1°45 | 9°15 | 0°32 | 17°16 | 6°14 | 29°57 | 25°23 | 21° 7 | 3°14 | 1°50 | 26° 7 | n.a. | S 19 |
| S 20 | 16 46 30 | 10°24'41 | 18°29 | 3°16 | 8°38 | 1° 3 | 17°11 | 6°11 | 0♋ 0 | 25°23 | 21° 8 | 3°15 | 1°47 | 26°13 | n.a. | S 20 |
| M21 | 16 50 27 | 11°22'06 | 2♏47 | 4°45 | 8° 1 | 1°34 | 17° 6 | 6° 7 | 0° 4 | 25°22 | 21°10 | 3°R16 | 1°43 | 26°20 | n.a. | M21 |
| T 22 | 16 54 23 | 12°19'32 | 17° 2 | 6°12 | 7°25 | 2° 4 | 17° 1 | 6° 4 | 0° 8 | 25°22 | 21°12 | 3°15 | 1°40 | 26°27 | n.a. | T 22 |
| W23 | 16 58 20 | 13°16'59 | 1♐ 9 | 7°38 | 6°49 | 2°34 | 16°56 | 6° 1 | 0°11 | 25°22 | 21°14 | 3°13 | 1°37 | 26°33 | n.a. | W23 |
| T 24 | 17 2 16 | 14°14'28 | 15° 4 | 9° 2 | 6°14 | 3° 4 | 16°51 | 5°58 | 0°15 | 25°D22 | 21°15 | 3° 8 | 1°34 | 26°40 | n.a. | T 24 |
| F 25 | 17 6 13 | 15°11'58 | 28°43 | 10°24 | 5°40 | 3°34 | 16°45 | 5°55 | 0°19 | 25°22 | 21°17 | 3° 2 | 1°31 | 26°47 | n.a. | F 25 |
| S 26 | 17 10 10 | 16° 9'29 | 12♑ 4 | 11°44 | 5° 8 | 4° 3 | 16°39 | 5°52 | 0°22 | 25°22 | 21°19 | 2°55 | 1°28 | 26°53 | n.a. | S 26 |
| S 27 | 17 14 6 | 17° 7'02 | 25° 5 | 13° 2 | 4°37 | 4°32 | 16°33 | 5°50 | 0°26 | 25°22 | 21°21 | 2°48 | 1°24 | 27° 0 | n.a. | S 27 |
| M28 | 17 18 3 | 18° 4'36 | 7♒46 | 14°18 | 4° 8 | 5° 0 | 16°27 | 5°47 | 0°30 | 25°23 | 21°23 | 2°41 | 1°21 | 27° 7 | n.a. | M28 |
| T 29 | 17 21 59 | 19° 2'13 | 20° 9 | 15°32 | 3°41 | 5°28 | 16°21 | 5°44 | 0°33 | 25°23 | 21°25 | 2°36 | 1°18 | 27°13 | n.a. | T 29 |
| W30 | 17 25 56 | 19♊59'50 | 2♓18 | 16♋45 | 3♊15 | 5♓56 | 16♑15 | 5♏42 | 0♋37 | 25♍23 | 21♋26 | 2♏32 | 1♏15 | 27♓20 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n42 | 12s30 | 5n12 | 22n12 | 1n46 | 23n18 | 0n 1 | 17s37 | 2s47 | 23s44 | 1s 5 | 12s30 | 1n51 | 24n23 | 0n28 | 3n48 | 2n10 | 36n13 | 14n 7 | 12s57 | 12s41 | 0n34 | | n.a. |
| W 2 | 18 57 | 9 3 | 4 56 | 22 41 | 1 49 | 23 5 | 0s11 | 17 26 | 2 48 | 23 44 | 1 5 | 12 29 | 1 51 | 24 23 | 0 28 | 3 48 | 2 10 | 36 13 | 14 7 | 12 57 | 12 40 | 0 36 | | n.a. |
| T 3 | 19 12 | 5 17 | 4 26 | 23 8 | 1 51 | 22 51 | 0 24 | 17 16 | 2 50 | 23 45 | 1 6 | 12 27 | 1 51 | 24 23 | 0 28 | 3 49 | 2 10 | 36 12 | 14 6 | 12 57 | 12 39 | 0 38 | | n.a. |
| F 4 | 19 26 | 1 20 | 3 45 | 23 32 | 1 53 | 22 37 | 0 36 | 17 6 | 2 51 | 23 45 | 1 6 | 12 26 | 1 51 | 24 23 | 0 28 | 3 49 | 2 10 | 36 12 | 14 6 | 12 57 | 12 38 | 0 40 | | n.a. |
| S 5 | 19 40 | 2n39 | 2 55 | 23 53 | 1 54 | 22 22 | 0 50 | 16 55 | 2 53 | 23 46 | 1 6 | 12 25 | 1 51 | 24 23 | 0 28 | 3 49 | 2 10 | 36 11 | 14 6 | 12 58 | 12 36 | 0 42 | | n.a. |
| S 6 | 19 53 | 6 34 | 1 57 | 24 13 | 1 55 | 22 7 | 1 3 | 16 45 | 2 54 | 23 47 | 1 7 | 12 24 | 1 50 | 24 23 | 0 28 | 3 49 | 2 10 | 36 11 | 14 6 | 12 58 | 12 35 | 0 44 | | n.a. |
| M 7 | 20 7 | 10 16 | 0 54 | 24 29 | 1 55 | 21 51 | 1 17 | 16 35 | 2 56 | 23 47 | 1 7 | 12 23 | 1 50 | 24 23 | 0 28 | 3 49 | 2 10 | 36 10 | 14 5 | 12 59 | 12 34 | 0 46 | | n.a. |
| T 8 | 20 20 | 13 35 | 0s13 | 24 44 | 1 54 | 21 35 | 1 31 | 16 24 | 2 58 | 23 48 | 1 7 | 12 21 | 1 50 | 24 23 | 0 28 | 3 49 | 2 10 | 36 10 | 14 5 | 12 59 | 12 33 | 0 48 | | n.a. |
| W 9 | 20 32 | 16 22 | 1 20 | 24 56 | 1 53 | 21 18 | 1 45 | 16 14 | 2 59 | 23 49 | 1 7 | 12 20 | 1 50 | 24 23 | 0 28 | 3 50 | 2 10 | 36 9 | 14 5 | 12 59 | 12 32 | 0 50 | | n.a. |
| T 10 | 20 44 | 18 25 | 2 25 | 25 6 | 1 51 | 21 1 | 1 59 | 16 3 | 3 1 | 23 49 | 1 8 | 12 19 | 1 50 | 24 23 | 0 28 | 3 50 | 2 10 | 36 9 | 14 4 | 12 58 | 12 31 | 0 52 | | n.a. |
| F 11 | 20 56 | 19 34 | 3 23 | 25 14 | 1 49 | 20 43 | 2 13 | 15 53 | 3 2 | 23 50 | 1 8 | 12 18 | 1 50 | 24 23 | 0 28 | 3 50 | 2 9 | 36 8 | 14 4 | 12 57 | 12 30 | 0 54 | | n.a. |
| S 12 | 21 8 | 19 41 | 4 12 | 25 20 | 1 46 | 20 25 | 2 27 | 15 43 | 3 4 | 23 51 | 1 8 | 12 17 | 1 50 | 24 23 | 0 28 | 3 50 | 2 9 | 36 7 | 14 4 | 12 55 | 12 29 | 0 56 | | n.a. |
| S 13 | 21 19 | 18 44 | 4 48 | 25 23 | 1 43 | 20 7 | 2 42 | 15 33 | 3 5 | 23 52 | 1 9 | 12 16 | 1 49 | 24 23 | 0 28 | 3 50 | 2 9 | 36 7 | 14 4 | 12 54 | 12 28 | 0 58 | | n.a. |
| M14 | 21 30 | 16 41 | 5 8 | 25 25 | 1 39 | 19 49 | 2 56 | 15 22 | 3 7 | 23 52 | 1 9 | 12 15 | 1 49 | 24 23 | 0 28 | 3 50 | 2 9 | 36 6 | 14 3 | 12 52 | 12 26 | 1 0 | | n.a. |
| T 15 | 21 40 | 13 41 | 5 11 | 25 25 | 1 35 | 19 30 | 3 10 | 15 12 | 3 8 | 23 53 | 1 9 | 12 14 | 1 49 | 24 23 | 0 28 | 3 50 | 2 9 | 36 6 | 14 3 | 12 51 | 12 25 | 1 2 | | n.a. |
| W16 | 21 51 | 9 54 | 4 56 | 25 23 | 1 30 | 19 12 | 3 23 | 15 2 | 3 10 | 23 54 | 1 10 | 12 13 | 1 49 | 24 23 | 0 28 | 3 50 | 2 9 | 36 5 | 14 3 | 12 50 | 12 24 | 1 4 | | n.a. |
| T 17 | 22 0 | 5 31 | 4 24 | 25 20 | 1 25 | 18 54 | 3 37 | 14 52 | 3 11 | 23 55 | 1 10 | 12 12 | 1 49 | 24 23 | 0 28 | 3 50 | 2 9 | 36 5 | 14 3 | 12 50 | 12 23 | 1 6 | | n.a. |
| F 18 | 22 10 | 0 48 | 3 35 | 25 15 | 1 19 | 18 35 | 3 50 | 14 42 | 3 13 | 23 56 | 1 10 | 12 11 | 1 49 | 24 23 | 0 28 | 3 50 | 2 9 | 36 4 | 14 2 | 12 50 | 12 22 | 1 9 | | n.a. |
| S 19 | 22 19 | 4s 1 | 2 32 | 25 8 | 1 13 | 18 17 | 4 2 | 14 32 | 3 15 | 23 57 | 1 10 | 12 10 | 1 48 | 24 23 | 0 28 | 3 50 | 2 9 | 36 4 | 14 2 | 12 50 | 12 21 | 1 11 | | n.a. |
| S 20 | 22 27 | 8 37 | 1 20 | 25 0 | 1 7 | 18 0 | 4 15 | 14 22 | 3 16 | 23 58 | 1 11 | 12 9 | 1 48 | 24 23 | 0 28 | 3 50 | 2 9 | 36 3 | 14 2 | 12 51 | 12 20 | 1 13 | | n.a. |
| M21 | 22 36 | 12 44 | 0 3 | 24 50 | 1 0 | 17 42 | 4 27 | 14 12 | 3 18 | 23 58 | 1 11 | 12 8 | 1 48 | 24 23 | 0 28 | 3 50 | 2 9 | 36 3 | 14 2 | 12 51 | 12 19 | 1 15 | | n.a. |
| T 22 | 22 44 | 16 4 | 1n14 | 24 40 | 0 53 | 17 25 | 4 38 | 14 2 | 3 19 | 23 59 | 1 11 | 12 7 | 1 48 | 24 23 | 0 28 | 3 50 | 2 9 | 36 2 | 14 2 | 12 51 | 12 17 | 1 17 | | n.a. |
| W23 | 22 51 | 18 26 | 2 26 | 24 28 | 0 46 | 17 9 | 4 48 | 13 52 | 3 21 | 24 0 | 1 12 | 12 6 | 1 48 | 24 23 | 0 28 | 3 50 | 2 9 | 36 2 | 14 1 | 12 50 | 12 16 | 1 19 | | n.a. |
| T 24 | 22 58 | 19 38 | 3 27 | 24 14 | 0 38 | 16 53 | 4 59 | 13 43 | 3 22 | 24 1 | 1 12 | 12 5 | 1 48 | 24 23 | 0 28 | 3 50 | 2 9 | 36 1 | 14 1 | 12 48 | 12 15 | 1 21 | | n.a. |
| F 25 | 23 5 | 19 39 | 4 16 | 24 0 | 0 30 | 16 38 | 5 8 | 13 33 | 3 24 | 24 2 | 1 12 | 12 5 | 1 47 | 24 23 | 0 28 | 3 50 | 2 9 | 36 1 | 14 1 | 12 46 | 12 14 | 1 23 | | n.a. |
| S 26 | 23 11 | 18 34 | 4 49 | 23 45 | 0 22 | 16 23 | 5 17 | 13 24 | 3 25 | 24 3 | 1 12 | 12 4 | 1 47 | 24 23 | 0 28 | 3 50 | 2 8 | 36 0 | 14 1 | 12 44 | 12 13 | 1 25 | | n.a. |
| S 27 | 23 17 | 16 32 | 5 6 | 23 29 | 0 13 | 16 10 | 5 25 | 13 14 | 3 27 | 24 4 | 1 13 | 12 3 | 1 47 | 24 23 | 0 28 | 3 50 | 2 8 | 36 0 | 14 1 | 12 41 | 12 12 | 1 27 | | n.a. |
| M28 | 23 22 | 13 45 | 5 8 | 23 12 | 0 4 | 15 57 | 5 33 | 13 5 | 3 28 | 24 5 | 1 13 | 12 2 | 1 47 | 24 23 | 0 28 | 3 50 | 2 8 | 35 59 | 14 0 | 12 39 | 12 11 | 1 29 | | n.a. |
| T 29 | 23 27 | 10 24 | 4 55 | 22 54 | 0s 5 | 15 45 | 5 39 | 12 56 | 3 30 | 24 6 | 1 13 | 12 2 | 1 47 | 24 23 | 0 28 | 3 50 | 2 8 | 35 59 | 14 0 | 12 37 | 12 10 | 1 31 | | n.a. |
| W30 | 23n32 | 6s42 | 4n28 | 22n36 | 0s15 | 15n35 | 5s46 | 12s47 | 3s31 | 24s 7 | 1s13 | 12s 1 | 1n46 | 24n23 | 0n28 | 3n49 | 2n 8 | 35n58 | 14n 0 | 12s36 | 12s 9 | 1n33 | | n.a. |

Julian Day Number = 995092.5, Delta T = 12h57m52s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'23, Lahiri = -31°22'23 Julian Calendar 1 June 1989 BCE == Greg. Calendar 15 May 1989 BCE


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## JULY 1989 BCE (-1988) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 29 52 | 20♊57'30 | 14♓15 | 17♋55 | 2°R52 | 6♓23 | 16°R 9 | 5°R39 | 0♋41 | 25♍23 | 21♋28 | 2°R30 | 1♏12 | 27♓27 | n.a. | T 1 |
| F 2 | 17 33 49 | 21°55'11 | 26° 6 | 19° 2 | 2♊31 | 6°50 | 16♉ 2 | 5♏37 | 0°44 | 25°23 | 21°30 | 2°D30 | 1° 8 | 27°33 | n.a. | F 2 |
| S 3 | 17 37 45 | 22°52'54 | 7♈56 | 20° 8 | 2°12 | 7°16 | 15°56 | 5°35 | 0°48 | 25°24 | 21°32 | 2♏31 | 1° 5 | 27°40 | n.a. | S 3 |
| S 4 | 17 41 42 | 23°50'39 | 19°50 | 21°11 | 1°56 | 7°42 | 15°49 | 5°33 | 0°52 | 25°24 | 21°34 | 2°32 | 1° 2 | 27°47 | n.a. | S 4 |
| M 5 | 17 45 39 | 24°48'26 | 1♉53 | 22°11 | 1°42 | 8° 8 | 15°42 | 5°30 | 0°56 | 25°24 | 21°36 | 2°R33 | 0°59 | 27°53 | n.a. | M 5 |
| T 6 | 17 49 35 | 25°46'15 | 14°10 | 23° 9 | 1°30 | 8°33 | 15°35 | 5°28 | 0°59 | 25°25 | 21°38 | 2°32 | 0°56 | 28° 0 | n.a. | T 6 |
| W 7 | 17 53 32 | 26°44'05 | 26°43 | 24° 4 | 1°21 | 8°57 | 15°28 | 5°26 | 1° 3 | 25°25 | 21°40 | 2°29 | 0°53 | 28° 7 | n.a. | W 7 |
| T 8 | 17 57 28 | 27°41'58 | 9♊36 | 24°56 | 1°14 | 9°21 | 15°21 | 5°25 | 1° 7 | 25°26 | 21°42 | 2°24 | 0°49 | 28°13 | n.a. | T 8 |
| F 9 | 18 1 25 | 28°39'52 | 22°49 | 25°45 | 1° 9 | 9°45 | 15°14 | 5°23 | 1°11 | 25°26 | 21°44 | 2°17 | 0°46 | 28°20 | n.a. | F 9 |
| S 10 | 18 5 21 | 29°37'48 | 6♋20 | 26°30 | 1°D 7 | 10° 8 | 15° 6 | 5°21 | 1°14 | 25°26 | 21°46 | 2° 8 | 0°43 | 28°27 | n.a. | S 10 |
| S 11 | 18 9 18 | 0♋35'46 | 20° 8 | 27°12 | 1° 7 | 10°31 | 14°59 | 5°20 | 1°18 | 25°27 | 21°48 | 1°59 | 0°40 | 28°33 | n.a. | S 11 |
| M12 | 18 13 14 | 1°33'46 | 4♌ 9 | 27°50 | 1° 9 | 10°53 | 14°51 | 5°18 | 1°22 | 25°28 | 21°50 | 1°49 | 0°37 | 28°40 | n.a. | M12 |
| T 13 | 18 17 11 | 2°31'47 | 18°18 | 28°24 | 1°14 | 11°14 | 14°44 | 5°17 | 1°26 | 25°28 | 21°52 | 1°42 | 0°34 | 28°47 | n.a. | T 13 |
| W14 | 18 21 8 | 3°29'49 | 2♍31 | 28°54 | 1°21 | 11°36 | 14°36 | 5°15 | 1°30 | 25°29 | 21°54 | 1°36 | 0°30 | 28°53 | n.a. | W14 |
| T 15 | 18 25 4 | 4°27'53 | 16°45 | 29°20 | 1°30 | 11°56 | 14°28 | 5°14 | 1°33 | 25°29 | 21°56 | 1°32 | 0°27 | 29° 0 | n.a. | T 15 |
| F 16 | 18 29 1 | 5°25'59 | 0♎56 | 29°40 | 1°41 | 12°16 | 14°21 | 5°13 | 1°37 | 25°30 | 21°58 | 1°D31 | 0°24 | 29° 7 | n.a. | F 16 |
| S 17 | 18 32 57 | 6°24'06 | 15° 3 | 29°56 | 1°54 | 12°35 | 14°13 | 5°12 | 1°41 | 25°31 | 22° 1 | 1°31 | 0°21 | 29°13 | n.a. | S 17 |
| S 18 | 18 36 54 | 7°22'15 | 29° 5 | 0♌ 6 | 2° 9 | 12°54 | 14° 5 | 5°11 | 1°45 | 25°32 | 22° 3 | 1°R31 | 0°18 | 29°20 | n.a. | S 18 |
| M19 | 18 40 50 | 8°20'26 | 13♏ 1 | 0°R11 | 2°26 | 13°12 | 13°57 | 5°10 | 1°48 | 25°32 | 22° 5 | 1°31 | 0°14 | 29°27 | n.a. | M19 |
| T 20 | 18 44 47 | 9°18'38 | 26°50 | 0° 9 | 2°45 | 13°30 | 13°49 | 5° 9 | 1°52 | 25°33 | 22° 7 | 1°29 | 0°11 | 29°33 | n.a. | T 20 |
| W21 | 18 48 43 | 10°16'52 | 10♐31 | 0° 2 | 3° 6 | 13°47 | 13°41 | 5° 9 | 1°56 | 25°34 | 22° 9 | 1°24 | 0° 8 | 29°40 | n.a. | W21 |
| T 22 | 18 52 40 | 11°15'08 | 24° 3 | 29♋48 | 3°29 | 14° 3 | 13°33 | 5° 8 | 2° 0 | 25°35 | 22°11 | 1°16 | 0° 5 | 29°47 | n.a. | T 22 |
| F 23 | 18 56 37 | 12°13'26 | 7♑22 | 29°28 | 3°53 | 14°19 | 13°26 | 5° 8 | 2° 3 | 25°36 | 22°13 | 1° 6 | 0° 2 | 29°53 | n.a. | F 23 |
| S 24 | 19 0 33 | 13°11'45 | 20°27 | 29° 1 | 4°19 | 14°34 | 13°18 | 5° 7 | 2° 7 | 25°37 | 22°15 | 0°54 | 29♎59 | 0♈ 0 | n.a. | S 24 |
| S 25 | 19 4 30 | 14°10'07 | 3♒16 | 28°28 | 4°47 | 14°48 | 13°10 | 5° 7 | 2°11 | 25°38 | 22°18 | 0°42 | 29°55 | 0° 7 | n.a. | S 25 |
| M26 | 19 8 26 | 15° 8'31 | 15°50 | 27°49 | 5°16 | 15° 2 | 13° 2 | 5° 7 | 2°14 | 25°39 | 22°20 | 0°30 | 29°52 | 0°13 | n.a. | M26 |
| T 27 | 19 12 23 | 16° 6'57 | 28° 9 | 27° 4 | 5°47 | 15°15 | 12°54 | 5°D 7 | 2°18 | 25°40 | 22°22 | 0°20 | 29°49 | 0°20 | n.a. | T 27 |
| W28 | 19 16 19 | 17° 5'25 | 10♓14 | 26°14 | 6°19 | 15°27 | 12°46 | 5° 7 | 2°22 | 25°41 | 22°24 | 0°12 | 29°46 | 0°27 | n.a. | W28 |
| T 29 | 19 20 16 | 18° 3'56 | 22°10 | 25°19 | 6°53 | 15°39 | 12°38 | 5° 7 | 2°25 | 25°42 | 22°26 | 0° 7 | 29°43 | 0°33 | n.a. | T 29 |
| F 30 | 19 24 12 | 19° 2'28 | 3♈59 | 24°20 | 7°28 | 15°50 | 12°30 | 5° 7 | 2°29 | 25°43 | 22°28 | 0° 4 | 29°40 | 0°40 | n.a. | F 30 |
| S 31 | 19 28 9 | 20♋ 1'04 | 15♈48 | 23♋19 | 8♊ 4 | 16♓ 0 | 12♑22 | 5♏ 7 | 2♋33 | 25♍44 | 22♋30 | 0♏ 4 | 29♎36 | 0♈47 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 23n36 | 2s47 | 3n51 | 22n17 | 0s24 | 15n25 | 5s51 | 12s38 | 3s33 | 24s 8 | 1s14 | 12s 0 | 1n46 | 24n23 | 0n28 | 3n49 | 2n 8 | 35n58 | 14n 0 | 12s35 | 12s 7 | 1n35 | | | n.a. |
| F 2 | 23 40 | 1n13 | 3 4 | 21 58 | 0 34 | 15 16 | 5 56 | 12 29 | 3 34 | 24 10 | 1 14 | 12 0 | 1 46 | 24 23 | 0 28 | 3 49 | 2 8 | 35 57 | 14 0 | 12 35 | 12 6 | 1 37 | | | n.a. |
| S 3 | 23 43 | 5 10 | 2 9 | 21 39 | 0 45 | 15 8 | 6 0 | 12 20 | 3 36 | 24 11 | 1 14 | 11 59 | 1 46 | 24 23 | 0 28 | 3 49 | 2 8 | 35 57 | 14 0 | 12 35 | 12 5 | 1 39 | | | n.a. |
| S 4 | 23 46 | 8 57 | 1 8 | 21 19 | 0 55 | 15 1 | 6 4 | 12 12 | 3 37 | 24 12 | 1 14 | 11 59 | 1 46 | 24 23 | 0 28 | 3 49 | 2 8 | 35 56 | 14 0 | 12 36 | 12 4 | 1 41 | | | n.a. |
| M 5 | 23 49 | 12 25 | 0 4 | 20 59 | 1 5 | 14 56 | 6 7 | 12 3 | 3 39 | 24 13 | 1 15 | 11 58 | 1 45 | 24 23 | 0 28 | 3 49 | 2 8 | 35 56 | 13 59 | 12 36 | 12 3 | 1 43 | | | n.a. |
| T 6 | 23 51 | 15 25 | 1s 2 | 20 39 | 1 16 | 14 51 | 6 9 | 11 55 | 3 40 | 24 14 | 1 15 | 11 58 | 1 45 | 24 23 | 0 28 | 3 48 | 2 8 | 35 55 | 13 59 | 12 36 | 12 2 | 1 45 | | | n.a. |
| W 7 | 23 53 | 17 46 | 2 6 | 20 18 | 1 27 | 14 47 | 6 11 | 11 47 | 3 42 | 24 15 | 1 15 | 11 57 | 1 45 | 24 23 | 0 28 | 3 48 | 2 8 | 35 55 | 13 59 | 12 35 | 12 1 | 1 47 | | | n.a. |
| T 8 | 23 54 | 19 17 | 3 5 | 19 58 | 1 38 | 14 44 | 6 13 | 11 39 | 3 43 | 24 16 | 1 15 | 11 57 | 1 45 | 24 23 | 0 28 | 3 48 | 2 8 | 35 54 | 13 59 | 12 33 | 11 59 | 1 49 | | | n.a. |
| F 9 | 23 55 | 19 48 | 3 56 | 19 39 | 1 49 | 14 43 | 6 13 | 11 31 | 3 44 | 24 17 | 1 16 | 11 56 | 1 45 | 24 23 | 0 28 | 3 48 | 2 8 | 35 54 | 13 59 | 12 31 | 11 58 | 1 51 | | | n.a. |
| S 10 | 23 55 | 19 12 | 4 35 | 19 19 | 1 59 | 14 42 | 6 14 | 11 23 | 3 46 | 24 18 | 1 16 | 11 56 | 1 44 | 24 23 | 0 28 | 3 47 | 2 7 | 35 53 | 13 59 | 12 27 | 11 57 | 1 53 | | | n.a. |
| S 11 | 23 55 | 17 28 | 4 58 | 19 0 | 2 10 | 14 42 | 6 14 | 11 16 | 3 47 | 24 19 | 1 16 | 11 56 | 1 44 | 24 23 | 0 28 | 3 47 | 2 7 | 35 53 | 13 59 | 12 24 | 11 56 | 1 55 | | | n.a. |
| M12 | 23 55 | 14 41 | 5 4 | 18 42 | 2 21 | 14 43 | 6 13 | 11 9 | 3 49 | 24 20 | 1 16 | 11 55 | 1 44 | 24 22 | 0 28 | 3 47 | 2 7 | 35 53 | 13 59 | 12 21 | 11 55 | 1 57 | | | n.a. |
| T 13 | 23 54 | 11 1 | 4 52 | 18 25 | 2 32 | 14 45 | 6 12 | 11 2 | 3 50 | 24 21 | 1 16 | 11 55 | 1 44 | 24 22 | 0 28 | 3 46 | 2 7 | 35 52 | 13 59 | 12 18 | 11 54 | 1 59 | | | n.a. |
| W14 | 23 52 | 6 43 | 4 22 | 18 8 | 2 43 | 14 48 | 6 11 | 10 55 | 3 52 | 24 22 | 1 17 | 11 55 | 1 43 | 24 22 | 0 28 | 3 46 | 2 7 | 35 52 | 13 58 | 12 16 | 11 53 | 2 1 | | | n.a. |
| T 15 | 23 51 | 2 2 | 3 35 | 17 52 | 2 54 | 14 51 | 6 9 | 10 48 | 3 53 | 24 23 | 1 17 | 11 55 | 1 43 | 24 22 | 0 28 | 3 46 | 2 7 | 35 51 | 13 58 | 12 15 | 11 52 | 2 3 | | | n.a. |
| F 16 | 23 48 | 2s45 | 2 36 | 17 38 | 3 4 | 14 55 | 6 7 | 10 41 | 3 54 | 24 24 | 1 17 | 11 54 | 1 43 | 24 22 | 0 28 | 3 45 | 2 7 | 35 51 | 13 58 | 12 14 | 11 50 | 2 5 | | | n.a. |
| S 17 | 23 46 | 7 22 | 1 27 | 17 25 | 3 14 | 15 0 | 6 5 | 10 35 | 3 56 | 24 25 | 1 17 | 11 54 | 1 43 | 24 22 | 0 28 | 3 45 | 2 7 | 35 50 | 13 58 | 12 14 | 11 49 | 2 7 | | | n.a. |
| S 18 | 23 43 | 11 34 | 0 13 | 17 13 | 3 24 | 15 6 | 6 2 | 10 29 | 3 57 | 24 26 | 1 17 | 11 54 | 1 43 | 24 22 | 0 28 | 3 45 | 2 7 | 35 50 | 13 58 | 12 14 | 11 48 | 2 9 | | | n.a. |
| M19 | 23 39 | 15 6 | 1n 1 | 17 3 | 3 33 | 15 12 | 5 59 | 10 23 | 3 58 | 24 27 | 1 17 | 11 54 | 1 42 | 24 22 | 0 28 | 3 44 | 2 7 | 35 49 | 13 58 | 12 14 | 11 47 | 2 11 | | | n.a. |
| T 20 | 23 35 | 17 44 | 2 10 | 16 55 | 3 42 | 15 19 | 5 56 | 10 17 | 4 0 | 24 28 | 1 18 | 11 54 | 1 42 | 24 22 | 0 28 | 3 44 | 2 7 | 35 49 | 13 58 | 12 13 | 11 46 | 2 13 | | | n.a. |
| W21 | 23 31 | 19 19 | 3 12 | 16 49 | 3 49 | 15 26 | 5 52 | 10 12 | 4 1 | 24 29 | 1 18 | 11 54 | 1 42 | 24 22 | 0 28 | 3 44 | 2 7 | 35 49 | 13 58 | 12 12 | 11 45 | 2 15 | | | n.a. |
| T 22 | 23 26 | 19 46 | 4 1 | 16 45 | 3 56 | 15 34 | 5 48 | 10 6 | 4 2 | 24 30 | 1 18 | 11 54 | 1 42 | 24 22 | 0 28 | 3 43 | 2 7 | 35 48 | 13 58 | 12 9 | 11 44 | 2 17 | | | n.a. |
| F 23 | 23 21 | 19 7 | 4 37 | 16 43 | 4 2 | 15 43 | 5 45 | 10 1 | 4 4 | 24 31 | 1 18 | 11 54 | 1 41 | 24 22 | 0 28 | 3 43 | 2 7 | 35 48 | 13 58 | 12 5 | 11 42 | 2 19 | | | n.a. |
| S 24 | 23 15 | 17 26 | 4 57 | 16 44 | 4 7 | 15 52 | 5 40 | 9 57 | 4 5 | 24 32 | 1 18 | 11 54 | 1 41 | 24 22 | 0 28 | 3 42 | 2 6 | 35 47 | 13 58 | 12 1 | 11 41 | 2 21 | | | n.a. |
| S 25 | 23 9 | 14 56 | 5 1 | 16 48 | 4 11 | 16 1 | 5 36 | 9 52 | 4 6 | 24 33 | 1 18 | 11 54 | 1 41 | 24 22 | 0 28 | 3 42 | 2 6 | 35 47 | 13 58 | 11 57 | 11 40 | 2 23 | | | n.a. |
| M26 | 23 2 | 11 47 | 4 51 | 16 53 | 4 13 | 16 10 | 5 32 | 9 48 | 4 7 | 24 34 | 1 18 | 11 55 | 1 41 | 24 22 | 0 28 | 3 41 | 2 6 | 35 47 | 13 58 | 11 53 | 11 39 | 2 25 | | | n.a. |
| T 27 | 22 56 | 8 11 | 4 27 | 17 2 | 4 13 | 16 20 | 5 27 | 9 44 | 4 8 | 24 35 | 1 18 | 11 55 | 1 40 | 24 22 | 0 28 | 3 41 | 2 6 | 35 46 | 13 58 | 11 49 | 11 38 | 2 27 | | | n.a. |
| W28 | 22 48 | 4 19 | 3 52 | 17 13 | 4 11 | 16 31 | 5 22 | 9 40 | 4 10 | 24 36 | 1 19 | 11 55 | 1 40 | 24 22 | 0 28 | 3 40 | 2 6 | 35 46 | 13 58 | 11 46 | 11 37 | 2 29 | | | n.a. |
| T 29 | 22 40 | 0 19 | 3 7 | 17 26 | 4 8 | 16 41 | 5 17 | 9 36 | 4 11 | 24 37 | 1 19 | 11 55 | 1 40 | 24 22 | 0 28 | 3 40 | 2 6 | 35 45 | 13 58 | 11 44 | 11 36 | 2 31 | | | n.a. |
| F 30 | 22 32 | 3n39 | 2 14 | 17 42 | 4 3 | 16 52 | 5 12 | 9 33 | 4 12 | 24 38 | 1 19 | 11 55 | 1 40 | 24 22 | 0 28 | 3 39 | 2 6 | 35 45 | 13 58 | 11 43 | 11 34 | 2 33 | | | n.a. |
| S 31 | 22n24 | 7n29 | 1n15 | 18n 0 | 3s55 | 17n 3 | 5s 7 | 9s30 | 4s13 | 24s38 | 1s19 | 11s56 | 1n40 | 24n22 | 0n28 | 3n39 | 2n 6 | 35n45 | 13n58 | 11s43 | 11s33 | 2n35 | | | n.a. |

Julian Day Number = 995122.5, Delta T = 12h57m50s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'19, Lahiri = -31°22'19 Julian Calendar 1 July 1989 BCE == Greg. Calendar 14 June 1989 BCE

The year -1988 astronomical counting style corresponds to year 1989 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## AUGUST 1989 BCE (-1988) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 32 5 | 20♋59'41 | 27♈41 | 22°R16 | 8♊41 | 16♓ 9 | 12°R14 | 5♏ 8 | 2♋36 | 25♍45 | 22♋33 | 0°R 4 | 29♎33 | 0♈53 | n.a. | S 1 |
| M 2 | 19 36 2 | 21°58'21 | 9♉44 | 21♋14 | 9°20 | 16°17 | 12♑ 7 | 5° 8 | 2°40 | 25°47 | 22°35 | 0♏ 3 | 29°30 | 1° 0 | n.a. | M 2 |
| T 3 | 19 39 59 | 22°57'04 | 22° 2 | 20°13 | 10° 0 | 16°25 | 11°59 | 5° 9 | 2°44 | 25°48 | 22°37 | 0° 2 | 29°27 | 1° 7 | n.a. | T 3 |
| W 4 | 19 43 55 | 23°55'48 | 4♊40 | 19°15 | 10°41 | 16°32 | 11°51 | 5°10 | 2°47 | 25°49 | 22°39 | 29♎58 | 29°24 | 1°13 | n.a. | W 4 |
| T 5 | 19 47 52 | 24°54'36 | 17°42 | 18°22 | 11°23 | 16°38 | 11°44 | 5°10 | 2°51 | 25°50 | 22°41 | 29°52 | 29°20 | 1°20 | n.a. | T 5 |
| F 6 | 19 51 48 | 25°53'25 | 1♋ 8 | 17°35 | 12° 6 | 16°43 | 11°36 | 5°11 | 2°54 | 25°52 | 22°43 | 29°43 | 29°17 | 1°27 | n.a. | F 6 |
| S 7 | 19 55 45 | 26°52'17 | 14°59 | 16°55 | 12°50 | 16°48 | 11°29 | 5°12 | 2°58 | 25°53 | 22°46 | 29°32 | 29°14 | 1°33 | n.a. | S 7 |
| S 8 | 19 59 41 | 27°51'11 | 29°10 | 16°23 | 13°35 | 16°51 | 11°22 | 5°13 | 3° 1 | 25°54 | 22°48 | 29°20 | 29°11 | 1°40 | n.a. | S 8 |
| M 9 | 20 3 38 | 28°50'08 | 13♌38 | 16° 0 | 14°21 | 16°54 | 11°14 | 5°15 | 3° 5 | 25°56 | 22°50 | 29° 8 | 29° 8 | 1°47 | n.a. | M 9 |
| T 10 | 20 7 34 | 29°49'06 | 28°13 | 15°47 | 15° 8 | 16°56 | 11° 7 | 5°16 | 3° 8 | 25°57 | 22°52 | 28°58 | 29° 5 | 1°53 | n.a. | T 10 |
| W11 | 20 11 31 | 0♌48'06 | 12♍51 | 15°D44 | 15°56 | 16°57 | 11° 0 | 5°17 | 3°12 | 25°59 | 22°54 | 28°50 | 29° 1 | 2° 0 | n.a. | W11 |
| T 12 | 20 15 28 | 1°47'09 | 27°23 | 15°50 | 16°44 | 16°R57 | 10°53 | 5°19 | 3°15 | 26° 0 | 22°56 | 28°45 | 28°58 | 2° 7 | n.a. | T 12 |
| F 13 | 20 19 24 | 2°46'13 | 11♎46 | 16° 7 | 17°33 | 16°56 | 10°46 | 5°20 | 3°19 | 26° 2 | 22°58 | 28°42 | 28°55 | 2°13 | n.a. | F 13 |
| S 14 | 20 23 21 | 3°45'19 | 25°56 | 16°33 | 18°24 | 16°54 | 10°40 | 5°22 | 3°22 | 26° 3 | 23° 1 | 28°42 | 28°52 | 2°20 | n.a. | S 14 |
| S 15 | 20 27 17 | 4°44'27 | 9♏54 | 17° 9 | 19°14 | 16°52 | 10°33 | 5°24 | 3°25 | 26° 5 | 23° 3 | 28°42 | 28°49 | 2°27 | n.a. | S 15 |
| M16 | 20 31 14 | 5°43'37 | 23°38 | 17°54 | 20° 6 | 16°48 | 10°27 | 5°26 | 3°29 | 26° 6 | 23° 5 | 28°41 | 28°45 | 2°33 | n.a. | M16 |
| T 17 | 20 35 10 | 6°42'49 | 7♐ 9 | 18°47 | 20°58 | 16°44 | 10°20 | 5°28 | 3°32 | 26° 8 | 23° 7 | 28°38 | 28°42 | 2°40 | n.a. | T 17 |
| W18 | 20 39 7 | 7°42'03 | 20°29 | 19°47 | 21°51 | 16°39 | 10°14 | 5°30 | 3°35 | 26°10 | 23° 9 | 28°33 | 28°39 | 2°47 | n.a. | W18 |
| T 19 | 20 43 3 | 8°41'20 | 3♑37 | 20°55 | 22°45 | 16°33 | 10° 8 | 5°32 | 3°39 | 26°11 | 23°11 | 28°24 | 28°36 | 2°53 | n.a. | T 19 |
| F 20 | 20 47 0 | 9°40'38 | 16°34 | 22° 9 | 23°39 | 16°26 | 10° 2 | 5°34 | 3°42 | 26°13 | 23°13 | 28°13 | 28°33 | 3° 0 | n.a. | F 20 |
| S 21 | 20 50 56 | 10°39'58 | 29°20 | 23°28 | 24°34 | 16°18 | 9°56 | 5°36 | 3°45 | 26°15 | 23°15 | 28° 1 | 28°30 | 3° 7 | n.a. | S 21 |
| S 22 | 20 54 53 | 11°39'20 | 11♒53 | 24°52 | 25°29 | 16° 9 | 9°50 | 5°39 | 3°48 | 26°16 | 23°17 | 27°47 | 28°26 | 3°13 | n.a. | S 22 |
| M23 | 20 58 50 | 12°38'45 | 24°15 | 26°20 | 26°25 | 16° 0 | 9°45 | 5°41 | 3°51 | 26°18 | 23°19 | 27°35 | 28°23 | 3°20 | n.a. | M23 |
| T 24 | 21 2 46 | 13°38'11 | 6♓25 | 27°51 | 27°22 | 15°49 | 9°40 | 5°44 | 3°54 | 26°20 | 23°22 | 27°23 | 28°20 | 3°27 | n.a. | T 24 |
| W25 | 21 6 43 | 14°37'40 | 18°25 | 29°26 | 28°19 | 15°38 | 9°34 | 5°47 | 3°58 | 26°22 | 23°24 | 27°15 | 28°17 | 3°33 | n.a. | W25 |
| T 26 | 21 10 39 | 15°37'12 | 0♈17 | 1♌ 3 | 29°16 | 15°26 | 9°29 | 5°49 | 4° 1 | 26°23 | 23°26 | 27° 9 | 28°14 | 3°40 | n.a. | T 26 |
| F 27 | 21 14 36 | 16°36'46 | 12° 4 | 2°42 | 0♋15 | 15°13 | 9°25 | 5°52 | 4° 4 | 26°25 | 23°28 | 27° 6 | 28°11 | 3°47 | n.a. | F 27 |
| S 28 | 21 18 32 | 17°36'22 | 23°51 | 4°22 | 1°13 | 14°59 | 9°20 | 5°55 | 4° 7 | 26°27 | 23°30 | 27°D 4 | 28° 7 | 3°53 | n.a. | S 28 |
| S 29 | 21 22 29 | 18°36'00 | 5♉43 | 6° 4 | 2°12 | 14°45 | 9°15 | 5°58 | 4°10 | 26°29 | 23°32 | 27° 5 | 28° 4 | 4° 0 | n.a. | S 29 |
| M30 | 21 26 25 | 19°35'42 | 17°43 | 7°46 | 3°12 | 14°29 | 9°11 | 6° 1 | 4°13 | 26°31 | 23°34 | 27°R 5 | 28° 1 | 4° 7 | n.a. | M30 |
| T 31 | 21 30 22 | 20♌35'25 | 29♉59 | 9♌29 | 4♋12 | 14♓14 | 9♑ 7 | 6♏ 5 | 4♋15 | 26♍33 | 23♋36 | 27♎ 5 | 27♎58 | 4♈13 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 22n15 | 11n 3 | 0n13 | 18n19 | 3s46 | 17n14 | 5s 1 | 9s27 | 4s14 | 24s39 | 1s19 | 11s56 | 1n39 | 24n22 | 0n28 | 3n38 | 2n 6 | 35n44 | 13n58 | 11s43 | 11s32 | 2n37 | | | n.a. |
| M 2 | 22 5 | 14 13 | 0s51 | 18 40 | 3 35 | 17 25 | 4 56 | 9 25 | 4 15 | 24 40 | 1 19 | 11 57 | 1 39 | 24 22 | 0 28 | 3 38 | 2 6 | 35 44 | 13 58 | 11 43 | 11 31 | 2 39 | | | n.a. |
| T 3 | 21 55 | 16 49 | 1 54 | 19 3 | 3 21 | 17 36 | 4 51 | 9 23 | 4 16 | 24 41 | 1 19 | 11 57 | 1 39 | 24 21 | 0 28 | 3 37 | 2 6 | 35 44 | 13 58 | 11 42 | 11 30 | 2 41 | | | n.a. |
| W 4 | 21 45 | 18 41 | 2 52 | 19 26 | 3 7 | 17 48 | 4 45 | 9 21 | 4 17 | 24 42 | 1 19 | 11 57 | 1 39 | 24 21 | 0 28 | 3 37 | 2 6 | 35 43 | 13 58 | 11 41 | 11 29 | 2 43 | | | n.a. |
| T 5 | 21 35 | 19 37 | 3 44 | 19 49 | 2 50 | 17 59 | 4 39 | 9 19 | 4 18 | 24 42 | 1 19 | 11 58 | 1 38 | 24 21 | 0 28 | 3 36 | 2 6 | 35 43 | 13 59 | 11 39 | 11 28 | 2 45 | | | n.a. |
| F 6 | 21 24 | 19 30 | 4 25 | 20 13 | 2 33 | 18 11 | 4 33 | 9 18 | 4 19 | 24 43 | 1 19 | 11 58 | 1 38 | 24 21 | 0 28 | 3 35 | 2 6 | 35 43 | 13 59 | 11 36 | 11 26 | 2 47 | | | n.a. |
| S 7 | 21 12 | 18 14 | 4 51 | 20 36 | 2 15 | 18 22 | 4 28 | 9 17 | 4 20 | 24 44 | 1 19 | 11 59 | 1 38 | 24 21 | 0 28 | 3 35 | 2 6 | 35 42 | 13 59 | 11 32 | 11 25 | 2 49 | | | n.a. |
| S 8 | 21 0 | 15 50 | 5 1 | 20 59 | 1 56 | 18 34 | 4 22 | 9 16 | 4 21 | 24 44 | 1 19 | 12 0 | 1 38 | 24 21 | 0 28 | 3 34 | 2 6 | 35 42 | 13 59 | 11 27 | 11 24 | 2 51 | | | n.a. |
| M 9 | 20 48 | 12 25 | 4 51 | 21 20 | 1 37 | 18 45 | 4 16 | 9 16 | 4 21 | 24 45 | 1 19 | 12 0 | 1 38 | 24 21 | 0 28 | 3 34 | 2 5 | 35 42 | 13 59 | 11 23 | 11 23 | 2 53 | | | n.a. |
| T 10 | 20 36 | 8 14 | 4 23 | 21 41 | 1 18 | 18 56 | 4 10 | 9 16 | 4 22 | 24 46 | 1 19 | 12 1 | 1 37 | 24 21 | 0 28 | 3 33 | 2 5 | 35 41 | 13 59 | 11 19 | 11 22 | 2 55 | | | n.a. |
| W11 | 20 23 | 3 32 | 3 37 | 22 0 | 0 59 | 19 7 | 4 4 | 9 16 | 4 23 | 24 46 | 1 19 | 12 1 | 1 37 | 24 21 | 0 28 | 3 32 | 2 5 | 35 41 | 13 59 | 11 16 | 11 21 | 2 57 | | | n.a. |
| T 12 | 20 10 | 1s20 | 2 37 | 22 17 | 0 40 | 19 18 | 3 58 | 9 17 | 4 23 | 24 47 | 1 19 | 12 2 | 1 37 | 24 21 | 0 28 | 3 32 | 2 5 | 35 41 | 13 59 | 11 15 | 11 20 | 2 59 | | | n.a. |
| F 13 | 19 56 | 6 6 | 1 28 | 22 33 | 0 23 | 19 29 | 3 52 | 9 17 | 4 24 | 24 48 | 1 19 | 12 3 | 1 37 | 24 21 | 0 28 | 3 31 | 2 5 | 35 41 | 13 59 | 11 14 | 11 18 | 3 1 | | | n.a. |
| S 14 | 19 42 | 10 27 | 0 15 | 22 46 | 0 6 | 19 39 | 3 46 | 9 18 | 4 24 | 24 48 | 1 19 | 12 4 | 1 36 | 24 21 | 0 28 | 3 30 | 2 5 | 35 40 | 14 0 | 11 14 | 11 17 | 3 3 | | | n.a. |
| S 15 | 19 28 | 14 9 | 0n59 | 22 58 | 0n10 | 19 50 | 3 39 | 9 20 | 4 25 | 24 49 | 1 19 | 12 5 | 1 36 | 24 21 | 0 28 | 3 30 | 2 5 | 35 40 | 14 0 | 11 14 | 11 16 | 3 5 | | | n.a. |
| M16 | 19 13 | 17 0 | 2 8 | 23 6 | 0 25 | 20 0 | 3 33 | 9 22 | 4 25 | 24 49 | 1 19 | 12 5 | 1 36 | 24 21 | 0 28 | 3 29 | 2 5 | 35 40 | 14 0 | 11 13 | 11 15 | 3 7 | | | n.a. |
| T 17 | 18 58 | 18 51 | 3 8 | 23 13 | 0 39 | 20 10 | 3 27 | 9 24 | 4 25 | 24 50 | 1 19 | 12 6 | 1 36 | 24 21 | 0 28 | 3 28 | 2 5 | 35 40 | 14 0 | 11 12 | 11 14 | 3 9 | | | n.a. |
| W18 | 18 43 | 19 37 | 3 58 | 23 16 | 0 51 | 20 19 | 3 21 | 9 26 | 4 25 | 24 50 | 1 19 | 12 7 | 1 35 | 24 21 | 0 28 | 3 28 | 2 5 | 35 39 | 14 0 | 11 10 | 11 13 | 3 11 | | | n.a. |
| T 19 | 18 27 | 19 19 | 4 34 | 23 17 | 1 2 | 20 29 | 3 15 | 9 28 | 4 25 | 24 51 | 1 19 | 12 8 | 1 35 | 24 20 | 0 28 | 3 27 | 2 5 | 35 39 | 14 0 | 11 7 | 11 12 | 3 13 | | | n.a. |
| F 20 | 18 11 | 18 0 | 4 55 | 23 15 | 1 13 | 20 38 | 3 8 | 9 31 | 4 25 | 24 51 | 1 19 | 12 9 | 1 35 | 24 20 | 0 28 | 3 26 | 2 5 | 35 39 | 14 0 | 11 3 | 11 10 | 3 15 | | | n.a. |
| S 21 | 17 55 | 15 48 | 5 1 | 23 10 | 1 21 | 20 46 | 3 2 | 9 34 | 4 25 | 24 51 | 1 19 | 12 10 | 1 35 | 24 20 | 0 28 | 3 25 | 2 5 | 35 39 | 14 1 | 10 59 | 11 9 | 3 17 | | | n.a. |
| S 22 | 17 38 | 12 54 | 4 52 | 23 3 | 1 29 | 20 55 | 2 56 | 9 38 | 4 25 | 24 52 | 1 19 | 12 11 | 1 35 | 24 20 | 0 28 | 3 25 | 2 5 | 35 38 | 14 1 | 10 54 | 11 8 | 3 19 | | | n.a. |
| M23 | 17 21 | 9 28 | 4 29 | 22 53 | 1 36 | 21 3 | 2 50 | 9 41 | 4 25 | 24 52 | 1 19 | 12 12 | 1 34 | 24 20 | 0 28 | 3 24 | 2 5 | 35 38 | 14 1 | 10 49 | 11 7 | 3 21 | | | n.a. |
| T 24 | 17 4 | 5 42 | 3 55 | 22 40 | 1 42 | 21 10 | 2 44 | 9 45 | 4 25 | 24 53 | 1 19 | 12 13 | 1 34 | 24 20 | 0 28 | 3 23 | 2 5 | 35 38 | 14 1 | 10 45 | 11 6 | 3 23 | | | n.a. |
| W25 | 16 46 | 1 46 | 3 10 | 22 25 | 1 46 | 21 17 | 2 37 | 9 49 | 4 24 | 24 53 | 1 19 | 12 14 | 1 34 | 24 20 | 0 28 | 3 22 | 2 5 | 35 38 | 14 1 | 10 42 | 11 5 | 3 25 | | | n.a. |
| T 26 | 16 28 | 2n12 | 2 17 | 22 7 | 1 50 | 21 24 | 2 31 | 9 53 | 4 24 | 24 53 | 1 19 | 12 15 | 1 34 | 24 20 | 0 28 | 3 22 | 2 5 | 35 38 | 14 2 | 10 40 | 11 3 | 3 27 | | | n.a. |
| F 27 | 16 10 | 6 4 | 1 19 | 21 47 | 1 53 | 21 30 | 2 25 | 9 58 | 4 23 | 24 54 | 1 19 | 12 17 | 1 34 | 24 20 | 0 28 | 3 21 | 2 5 | 35 38 | 14 2 | 10 38 | 11 2 | 3 29 | | | n.a. |
| S 28 | 15 52 | 9 42 | 0 17 | 21 24 | 1 54 | 21 36 | 2 19 | 10 3 | 4 22 | 24 54 | 1 19 | 12 18 | 1 33 | 24 20 | 0 29 | 3 20 | 2 5 | 35 37 | 14 2 | 10 38 | 11 1 | 3 31 | | | n.a. |
| S 29 | 15 33 | 12 58 | 0s46 | 21 0 | 1 56 | 21 41 | 2 13 | 10 8 | 4 22 | 24 54 | 1 19 | 12 19 | 1 33 | 24 20 | 0 29 | 3 19 | 2 4 | 35 37 | 14 2 | 10 38 | 11 0 | 3 33 | | | n.a. |
| M30 | 15 14 | 15 44 | 1 48 | 20 33 | 1 56 | 21 46 | 2 7 | 10 13 | 4 21 | 24 54 | 1 19 | 12 20 | 1 33 | 24 20 | 0 29 | 3 19 | 2 4 | 35 37 | 14 3 | 10 38 | 10 59 | 3 35 | | | n.a. |
| T 31 | 14n55 | 17n51 | 2s46 | 20n 5 | 1n56 | 21n50 | 2s 1 | 10s18 | 4s20 | 24s55 | 1s19 | 12s22 | 1n33 | 24n20 | 0n29 | 3n18 | 2n 4 | 35n37 | 14n 3 | 10s38 | 10s58 | 3n37 | | | n.a. |

Julian Day Number = 995153.5, Delta T = 12h57m47s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'15, Lahiri = -31°22'14 Julian Calendar 1 Aug. 1989 BCE == Greg. Calendar 15 July 1989 BCE

The year -1988 astronomical counting style corresponds to year 1989 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## SEPTEMBER 1989 BCE (-1988) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 34 18 | 21♌35'11 | 12♊36 | 11♌13 | 5♋12 | 13°R57 | 9°R 3 | 6♏ 8 | 4♋18 | 26♍35 | 23♋38 | 27°R 2 | 27♎55 | 4♈20 | n.a. | W 1 |
| T 2 | 21 38 15 | 22°35'00 | 25°37 | 12°57 | 6°13 | 13♓40 | 8♑59 | 6°11 | 4°21 | 26°37 | 23°40 | 26♎58 | 27°51 | 4°27 | n.a. | T 2 |
| F 3 | 21 42 11 | 23°34'51 | 9♋ 5 | 14°41 | 7°15 | 13°22 | 8°55 | 6°15 | 4°24 | 26°39 | 23°42 | 26°51 | 27°48 | 4°33 | n.a. | F 3 |
| S 4 | 21 46 8 | 24°34'44 | 23° 3 | 16°24 | 8°16 | 13° 3 | 8°52 | 6°18 | 4°27 | 26°41 | 23°43 | 26°42 | 27°45 | 4°40 | n.a. | S 4 |
| S 5 | 21 50 5 | 25°34'40 | 7♌26 | 18° 8 | 9°18 | 12°44 | 8°49 | 6°22 | 4°29 | 26°43 | 23°45 | 26°33 | 27°42 | 4°47 | n.a. | S 5 |
| M 6 | 21 54 1 | 26°34'37 | 22°10 | 19°51 | 10°21 | 12°25 | 8°46 | 6°26 | 4°32 | 26°45 | 23°47 | 26°23 | 27°39 | 4°53 | n.a. | M 6 |
| T 7 | 21 57 58 | 27°34'37 | 7♍ 8 | 21°34 | 11°24 | 12° 5 | 8°43 | 6°30 | 4°35 | 26°47 | 23°49 | 26°14 | 27°36 | 5° 0 | n.a. | T 7 |
| W 8 | 22 1 54 | 28°34'39 | 22° 9 | 23°17 | 12°27 | 11°44 | 8°40 | 6°33 | 4°37 | 26°49 | 23°51 | 26° 8 | 27°32 | 5° 7 | n.a. | W 8 |
| T 9 | 22 5 51 | 29°34'43 | 7♎ 5 | 24°59 | 13°30 | 11°24 | 8°38 | 6°37 | 4°40 | 26°51 | 23°53 | 26° 4 | 27°29 | 5°13 | n.a. | T 9 |
| F 10 | 22 9 47 | 0♍34'48 | 21°48 | 26°41 | 14°34 | 11° 3 | 8°35 | 6°41 | 4°42 | 26°53 | 23°55 | 26°D 2 | 27°26 | 5°20 | n.a. | F 10 |
| S 11 | 22 13 44 | 1°34'56 | 6♏13 | 28°22 | 15°38 | 10°41 | 8°33 | 6°46 | 4°45 | 26°55 | 23°56 | 26° 3 | 27°23 | 5°27 | n.a. | S 11 |
| S 12 | 22 17 40 | 2°35'05 | 20°19 | 0♍ 3 | 16°43 | 10°20 | 8°31 | 6°50 | 4°47 | 26°57 | 23°58 | 26° 4 | 27°20 | 5°33 | n.a. | S 12 |
| M13 | 22 21 37 | 3°35'16 | 4♐ 3 | 1°43 | 17°47 | 9°58 | 8°30 | 6°54 | 4°50 | 26°59 | 24° 0 | 26°R 4 | 27°17 | 5°40 | n.a. | M13 |
| T 14 | 22 25 33 | 4°35'29 | 17°29 | 3°23 | 18°52 | 9°36 | 8°28 | 6°58 | 4°52 | 27° 1 | 24° 2 | 26° 3 | 27°13 | 5°46 | n.a. | T 14 |
| W15 | 22 29 30 | 5°35'43 | 0♑37 | 5° 2 | 19°58 | 9°15 | 8°27 | 7° 3 | 4°54 | 27° 3 | 24° 4 | 26° 0 | 27°10 | 5°53 | n.a. | W15 |
| T 16 | 22 33 27 | 6°36'00 | 13°29 | 6°41 | 21° 3 | 8°53 | 8°26 | 7° 7 | 4°56 | 27° 5 | 24° 5 | 25°55 | 27° 7 | 6° 0 | n.a. | T 16 |
| F 17 | 22 37 23 | 7°36'17 | 26° 9 | 8°19 | 22° 9 | 8°31 | 8°25 | 7°12 | 4°59 | 27° 7 | 24° 7 | 25°48 | 27° 4 | 6° 6 | n.a. | F 17 |
| S 18 | 22 41 20 | 8°36'37 | 8♒36 | 9°57 | 23°15 | 8° 9 | 8°24 | 7°17 | 5° 1 | 27°10 | 24° 9 | 25°39 | 27° 1 | 6°13 | n.a. | S 18 |
| S 19 | 22 45 16 | 9°36'58 | 20°54 | 11°34 | 24°22 | 7°48 | 8°24 | 7°21 | 5° 3 | 27°12 | 24°10 | 25°30 | 26°57 | 6°20 | n.a. | S 19 |
| M20 | 22 49 13 | 10°37'21 | 3♓ 2 | 13°11 | 25°28 | 7°27 | 8°24 | 7°26 | 5° 5 | 27°14 | 24°12 | 25°22 | 26°54 | 6°26 | n.a. | M20 |
| T 21 | 22 53 9 | 11°37'46 | 15° 2 | 14°48 | 26°35 | 7° 6 | 8°D24 | 7°31 | 5° 7 | 27°16 | 24°13 | 25°14 | 26°51 | 6°33 | n.a. | T 21 |
| W22 | 22 57 6 | 12°38'13 | 26°56 | 16°24 | 27°42 | 6°45 | 8°24 | 7°36 | 5° 9 | 27°18 | 24°15 | 25° 8 | 26°48 | 6°40 | n.a. | W22 |
| T 23 | 23 1 2 | 13°38'41 | 8♈45 | 17°59 | 28°50 | 6°25 | 8°24 | 7°41 | 5°11 | 27°21 | 24°17 | 25° 5 | 26°45 | 6°46 | n.a. | T 23 |
| F 24 | 23 4 59 | 14°39'12 | 20°32 | 19°34 | 29°57 | 6° 5 | 8°25 | 7°46 | 5°13 | 27°23 | 24°18 | 25°D 3 | 26°42 | 6°53 | n.a. | F 24 |
| S 25 | 23 8 56 | 15°39'44 | 2♉19 | 21° 9 | 1♌ 5 | 5°45 | 8°26 | 7°51 | 5°15 | 27°25 | 24°20 | 25° 3 | 26°38 | 7° 0 | n.a. | S 25 |
| S 26 | 23 12 52 | 16°40'19 | 14°11 | 22°44 | 2°13 | 5°26 | 8°27 | 7°56 | 5°16 | 27°27 | 24°21 | 25° 5 | 26°35 | 7° 6 | n.a. | S 26 |
| M27 | 23 16 49 | 17°40'55 | 26°11 | 24°18 | 3°21 | 5° 7 | 8°28 | 8° 2 | 5°18 | 27°29 | 24°23 | 25° 6 | 26°32 | 7°13 | n.a. | M27 |
| T 28 | 23 20 45 | 18°41'34 | 8♊25 | 25°52 | 4°30 | 4°49 | 8°29 | 8° 7 | 5°20 | 27°32 | 24°24 | 25° 8 | 26°29 | 7°20 | n.a. | T 28 |
| W29 | 23 24 42 | 19°42'14 | 20°58 | 27°25 | 5°39 | 4°32 | 8°31 | 8°12 | 5°21 | 27°34 | 24°25 | 25°R 8 | 26°26 | 7°26 | n.a. | W29 |
| T 30 | 23 28 38 | 20♍42'56 | 3♋53 | 28♍59 | 6♌47 | 4♓15 | 8♑33 | 8♏18 | 5♋23 | 27♍36 | 24♋27 | 25♎ 8 | 26♎22 | 7♈33 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14n35 | 19n 9 | 3s38 | 19n36 | 1n55 | 21n54 | 1s55 | 10s24 | 4s18 | 24s55 | 1s19 | 12s23 | 1n32 | 24n20 | 0n29 | 3n17 | 2n 4 | 35n37 | 14n 3 | 10s37 | 10s56 | 3n38 | | n.a. |
| T 2 | 14 16 | 19 30 | 4 21 | 19 4 | 1 53 | 21 58 | 1 49 | 10 29 | 4 17 | 24 55 | 1 19 | 12 24 | 1 32 | 24 19 | 0 29 | 3 16 | 2 4 | 35 37 | 14 3 | 10 36 | 10 55 | 3 40 | | n.a. |
| F 3 | 13 56 | 18 47 | 4 50 | 18 32 | 1 51 | 22 0 | 1 43 | 10 35 | 4 16 | 24 55 | 1 18 | 12 26 | 1 32 | 24 19 | 0 29 | 3 15 | 2 4 | 35 37 | 14 4 | 10 33 | 10 54 | 3 42 | | n.a. |
| S 4 | 13 35 | 16 55 | 5 4 | 17 58 | 1 49 | 22 3 | 1 37 | 10 41 | 4 14 | 24 55 | 1 18 | 12 27 | 1 32 | 24 19 | 0 29 | 3 14 | 2 4 | 35 37 | 14 4 | 10 30 | 10 53 | 3 44 | | n.a. |
| S 5 | 13 15 | 13 58 | 4 59 | 17 22 | 1 46 | 22 4 | 1 31 | 10 47 | 4 13 | 24 55 | 1 18 | 12 28 | 1 32 | 24 19 | 0 29 | 3 14 | 2 4 | 35 36 | 14 4 | 10 26 | 10 52 | 3 46 | | n.a. |
| M 6 | 12 54 | 10 4 | 4 35 | 16 46 | 1 42 | 22 5 | 1 25 | 10 53 | 4 11 | 24 55 | 1 18 | 12 30 | 1 31 | 24 19 | 0 29 | 3 13 | 2 4 | 35 36 | 14 5 | 10 23 | 10 51 | 3 48 | | n.a. |
| T 7 | 12 33 | 5 30 | 3 51 | 16 9 | 1 39 | 22 6 | 1 20 | 10 59 | 4 9 | 24 56 | 1 18 | 12 31 | 1 31 | 24 19 | 0 29 | 3 12 | 2 4 | 35 36 | 14 5 | 10 20 | 10 50 | 3 50 | | n.a. |
| W 8 | 12 12 | 0 34 | 2 51 | 15 31 | 1 34 | 22 6 | 1 14 | 11 5 | 4 7 | 24 56 | 1 18 | 12 33 | 1 31 | 24 19 | 0 29 | 3 11 | 2 4 | 35 36 | 14 5 | 10 17 | 10 48 | 3 52 | | n.a. |
| T 9 | 11 51 | 4s23 | 1 40 | 14 52 | 1 30 | 22 5 | 1 8 | 11 12 | 4 5 | 24 56 | 1 18 | 12 34 | 1 31 | 24 19 | 0 29 | 3 10 | 2 4 | 35 36 | 14 5 | 10 16 | 10 47 | 3 54 | | n.a. |
| F 10 | 11 29 | 9 1 | 0 23 | 14 12 | 1 25 | 22 4 | 1 3 | 11 18 | 4 3 | 24 56 | 1 18 | 12 36 | 1 31 | 24 19 | 0 29 | 3 9 | 2 4 | 35 36 | 14 6 | 10 15 | 10 46 | 3 56 | | n.a. |
| S 11 | 11 8 | 13 0 | 0n55 | 13 32 | 1 21 | 22 2 | 0 57 | 11 24 | 4 1 | 24 56 | 1 18 | 12 37 | 1 30 | 24 19 | 0 29 | 3 8 | 2 4 | 35 36 | 14 6 | 10 15 | 10 45 | 3 58 | | n.a. |
| S 12 | 10 46 | 16 9 | 2 7 | 12 51 | 1 15 | 22 0 | 0 52 | 11 30 | 3 58 | 24 56 | 1 17 | 12 39 | 1 30 | 24 19 | 0 29 | 3 8 | 2 4 | 35 36 | 14 6 | 10 16 | 10 44 | 4 0 | | n.a. |
| M13 | 10 23 | 18 16 | 3 10 | 12 10 | 1 10 | 21 57 | 0 46 | 11 36 | 3 56 | 24 56 | 1 17 | 12 41 | 1 30 | 24 19 | 0 29 | 3 7 | 2 4 | 35 36 | 14 7 | 10 16 | 10 43 | 4 2 | | n.a. |
| T 14 | 10 1 | 19 19 | 4 1 | 11 28 | 1 4 | 21 53 | 0 41 | 11 42 | 3 53 | 24 56 | 1 17 | 12 42 | 1 30 | 24 19 | 0 29 | 3 6 | 2 4 | 35 36 | 14 7 | 10 16 | 10 41 | 4 4 | | n.a. |
| W15 | 9 39 | 19 17 | 4 38 | 10 46 | 0 59 | 21 49 | 0 36 | 11 48 | 3 50 | 24 56 | 1 17 | 12 44 | 1 30 | 24 19 | 0 29 | 3 5 | 2 4 | 35 36 | 14 7 | 10 14 | 10 40 | 4 6 | | n.a. |
| T 16 | 9 16 | 18 14 | 5 1 | 10 3 | 0 53 | 21 44 | 0 30 | 11 54 | 3 47 | 24 56 | 1 17 | 12 45 | 1 30 | 24 19 | 0 29 | 3 4 | 2 4 | 35 36 | 14 8 | 10 13 | 10 39 | 4 8 | | n.a. |
| F 17 | 8 53 | 16 19 | 5 8 | 9 20 | 0 47 | 21 38 | 0 25 | 12 0 | 3 44 | 24 56 | 1 17 | 12 47 | 1 29 | 24 19 | 0 29 | 3 3 | 2 4 | 35 36 | 14 8 | 10 10 | 10 38 | 4 10 | | n.a. |
| S 18 | 8 30 | 13 39 | 5 0 | 8 37 | 0 41 | 21 32 | 0 20 | 12 5 | 3 41 | 24 55 | 1 17 | 12 49 | 1 29 | 24 19 | 0 29 | 3 2 | 2 4 | 35 36 | 14 9 | 10 7 | 10 37 | 4 12 | | n.a. |
| S 19 | 8 7 | 10 26 | 4 38 | 7 54 | 0 35 | 21 26 | 0 15 | 12 11 | 3 38 | 24 55 | 1 17 | 12 51 | 1 29 | 24 18 | 0 29 | 3 1 | 2 4 | 35 36 | 14 9 | 10 3 | 10 36 | 4 13 | | n.a. |
| M20 | 7 44 | 6 48 | 4 4 | 7 10 | 0 28 | 21 18 | 0 10 | 12 16 | 3 35 | 24 55 | 1 16 | 12 52 | 1 29 | 24 18 | 0 29 | 3 1 | 2 4 | 35 36 | 14 9 | 10 0 | 10 34 | 4 15 | | n.a. |
| T 21 | 7 21 | 2 57 | 3 20 | 6 27 | 0 22 | 21 10 | 0 5 | 12 21 | 3 32 | 24 55 | 1 16 | 12 54 | 1 29 | 24 18 | 0 29 | 3 0 | 2 4 | 35 36 | 14 10 | 9 57 | 10 33 | 4 17 | | n.a. |
| W22 | 6 57 | 1n 0 | 2 27 | 5 43 | 0 16 | 21 2 | 0 1 | 12 26 | 3 29 | 24 55 | 1 16 | 12 56 | 1 28 | 24 18 | 0 29 | 2 59 | 2 4 | 35 36 | 14 10 | 9 55 | 10 32 | 4 19 | | n.a. |
| T 23 | 6 33 | 4 52 | 1 28 | 4 59 | 0 9 | 20 52 | 0n 4 | 12 30 | 3 25 | 24 55 | 1 16 | 12 58 | 1 28 | 24 18 | 0 29 | 2 58 | 2 4 | 35 36 | 14 10 | 9 54 | 10 31 | 4 21 | | n.a. |
| F 24 | 6 10 | 8 33 | 0 25 | 4 15 | 0 3 | 20 42 | 0 9 | 12 35 | 3 22 | 24 55 | 1 16 | 13 0 | 1 28 | 24 18 | 0 29 | 2 57 | 2 4 | 35 36 | 14 11 | 9 53 | 10 30 | 4 23 | | n.a. |
| S 25 | 5 46 | 11 54 | 0s40 | 3 31 | 0s 4 | 20 32 | 0 13 | 12 39 | 3 18 | 24 54 | 1 16 | 13 1 | 1 28 | 24 18 | 0 29 | 2 56 | 2 4 | 35 37 | 14 11 | 9 53 | 10 28 | 4 25 | | n.a. |
| S 26 | 5 22 | 14 47 | 1 43 | 2 47 | 0 10 | 20 21 | 0 18 | 12 43 | 3 15 | 24 54 | 1 16 | 13 3 | 1 28 | 24 18 | 0 29 | 2 55 | 2 4 | 35 37 | 14 12 | 9 54 | 10 27 | 4 27 | | n.a. |
| M27 | 4 58 | 17 4 | 2 42 | 2 3 | 0 17 | 20 9 | 0 22 | 12 47 | 3 11 | 24 54 | 1 15 | 13 5 | 1 28 | 24 18 | 0 29 | 2 54 | 2 4 | 35 37 | 14 12 | 9 54 | 10 26 | 4 29 | | n.a. |
| T 28 | 4 34 | 18 37 | 3 35 | 1 19 | 0 23 | 19 57 | 0 26 | 12 50 | 3 8 | 24 54 | 1 15 | 13 7 | 1 27 | 24 18 | 0 29 | 2 53 | 2 4 | 35 37 | 14 13 | 9 55 | 10 25 | 4 31 | | n.a. |
| W29 | 4 9 | 19 18 | 4 19 | 0 35 | 0 30 | 19 44 | 0 30 | 12 53 | 3 4 | 24 54 | 1 15 | 13 9 | 1 27 | 24 18 | 0 29 | 2 52 | 2 4 | 35 37 | 14 13 | 9 55 | 10 24 | 4 33 | | n.a. |
| T 30 | 3n45 | 19n 0 | 4s52 | 0s 8 | 0s36 | 19n30 | 0n34 | 12s56 | 3s 0 | 24s53 | 1s15 | 13s11 | 1n27 | 24n18 | 0n30 | 2n51 | 2n 4 | 35n37 | 14n13 | 9s55 | 10s23 | 4n35 | | n.a. |

Julian Day Number = 995184.5, Delta T = 12h57m45s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'11, Lahiri = -31°22'10 Julian Calendar 1 Sept. 1989 BCE == Greg. Calendar 15 Aug. 1989 BCE


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## OCTOBER 1989 BCE (-1988) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 32 35 | 21♍43'40 | 17♋15 | 0♎32 | 7♌56 | 3°R58 | 8♉35 | 8♏23 | 5♋25 | 27♍38 | 24♋28 | 25°R 5 | 26♎19 | 7♈40 | n.a. | F 1 |
| S 2 | 23 36 31 | 22°44'26 | 1♌ 5 | 2° 4 | 9° 6 | 3♓43 | 8°37 | 8°29 | 5°26 | 27°41 | 24°30 | 25♎ 1 | 26°16 | 7°46 | n.a. | S 2 |
| S 3 | 23 40 28 | 23°45'14 | 15°24 | 3°37 | 10°15 | 3°28 | 8°39 | 8°34 | 5°27 | 27°43 | 24°31 | 24°57 | 26°13 | 7°53 | n.a. | S 3 |
| M 4 | 23 44 24 | 24°46'04 | 0♍ 9 | 5° 9 | 11°25 | 3°14 | 8°42 | 8°40 | 5°29 | 27°45 | 24°32 | 24°52 | 26°10 | 8° 0 | n.a. | M 4 |
| T 5 | 23 48 21 | 25°46'55 | 15°12 | 6°41 | 12°35 | 3° 0 | 8°44 | 8°46 | 5°30 | 27°47 | 24°33 | 24°48 | 26° 7 | 8° 6 | n.a. | T 5 |
| W 6 | 23 52 18 | 26°47'47 | 0♎25 | 8°13 | 13°44 | 2°47 | 8°47 | 8°52 | 5°31 | 27°50 | 24°35 | 24°45 | 26° 3 | 8°13 | n.a. | W 6 |
| T 7 | 23 56 14 | 27°48'41 | 15°38 | 9°44 | 14°55 | 2°35 | 8°51 | 8°57 | 5°33 | 27°52 | 24°36 | 24°43 | 26° 0 | 8°20 | n.a. | T 7 |
| F 8 | 0 0 11 | 28°49'37 | 0♏40 | 11°15 | 16° 5 | 2°24 | 8°54 | 9° 3 | 5°34 | 27°54 | 24°37 | 24°D43 | 25°57 | 8°26 | n.a. | F 8 |
| S 9 | 0 4 7 | 29°50'33 | 15°25 | 12°46 | 17°15 | 2°14 | 8°58 | 9° 9 | 5°35 | 27°56 | 24°38 | 24°44 | 25°54 | 8°33 | n.a. | S 9 |
| S 10 | 0 8 4 | 0♎51'31 | 29°47 | 14°17 | 18°26 | 2° 4 | 9° 1 | 9°15 | 5°36 | 27°59 | 24°39 | 24°46 | 25°51 | 8°39 | n.a. | S 10 |
| M11 | 0 12 0 | 1°52'30 | 13♐43 | 15°47 | 19°36 | 1°56 | 9° 5 | 9°21 | 5°37 | 28° 1 | 24°40 | 24°47 | 25°48 | 8°46 | n.a. | M11 |
| T 12 | 0 15 57 | 2°53'30 | 27°15 | 17°17 | 20°47 | 1°48 | 9°10 | 9°27 | 5°38 | 28° 3 | 24°41 | 24°R48 | 25°44 | 8°53 | n.a. | T 12 |
| W13 | 0 19 53 | 3°54'30 | 10♑22 | 18°47 | 21°58 | 1°41 | 9°14 | 9°34 | 5°39 | 28° 6 | 24°42 | 24°48 | 25°41 | 8°59 | n.a. | W13 |
| T 14 | 0 23 50 | 4°55'32 | 23°10 | 20°16 | 23° 9 | 1°35 | 9°18 | 9°40 | 5°39 | 28° 8 | 24°43 | 24°47 | 25°38 | 9° 6 | n.a. | T 14 |
| F 15 | 0 27 47 | 5°56'35 | 5♒40 | 21°45 | 24°20 | 1°29 | 9°23 | 9°46 | 5°40 | 28°10 | 24°44 | 24°45 | 25°35 | 9°13 | n.a. | F 15 |
| S 16 | 0 31 43 | 6°57'38 | 17°56 | 23°13 | 25°32 | 1°25 | 9°28 | 9°52 | 5°41 | 28°12 | 24°45 | 24°42 | 25°32 | 9°19 | n.a. | S 16 |
| S 17 | 0 35 40 | 7°58'42 | 0♓ 1 | 24°41 | 26°43 | 1°21 | 9°33 | 9°58 | 5°42 | 28°14 | 24°46 | 24°39 | 25°28 | 9°26 | n.a. | S 17 |
| M18 | 0 39 36 | 8°59'47 | 11°59 | 26° 8 | 27°55 | 1°18 | 9°38 | 10° 5 | 5°42 | 28°17 | 24°47 | 24°37 | 25°25 | 9°33 | n.a. | M18 |
| T 19 | 0 43 33 | 10° 0'53 | 23°51 | 27°35 | 29° 6 | 1°16 | 9°44 | 10°11 | 5°43 | 28°19 | 24°48 | 24°35 | 25°22 | 9°39 | n.a. | T 19 |
| W20 | 0 47 29 | 11° 2'00 | 5♈40 | 29° 0 | 0♍18 | 1°15 | 9°49 | 10°18 | 5°43 | 28°21 | 24°49 | 24°33 | 25°19 | 9°46 | n.a. | W20 |
| T 21 | 0 51 26 | 12° 3'08 | 17°28 | 0♏25 | 1°30 | 1°D14 | 9°55 | 10°24 | 5°44 | 28°23 | 24°50 | 24°32 | 25°16 | 9°53 | n.a. | T 21 |
| F 22 | 0 55 22 | 13° 4'17 | 29°17 | 1°48 | 2°42 | 1°14 | 10° 1 | 10°31 | 5°44 | 28°26 | 24°50 | 24°D32 | 25°13 | 9°59 | n.a. | F 22 |
| S 23 | 0 59 19 | 14° 5'27 | 11♉ 9 | 3°10 | 3°54 | 1°16 | 10° 7 | 10°37 | 5°44 | 28°28 | 24°51 | 24°33 | 25° 9 | 10° 6 | n.a. | S 23 |
| S 24 | 1 3 16 | 15° 6'37 | 23° 7 | 4°31 | 5° 6 | 1°17 | 10°14 | 10°44 | 5°45 | 28°30 | 24°52 | 24°33 | 25° 6 | 10°13 | n.a. | S 24 |
| M25 | 1 7 12 | 16° 7'49 | 5♊13 | 5°49 | 6°19 | 1°20 | 10°20 | 10°50 | 5°45 | 28°32 | 24°52 | 24°34 | 25° 3 | 10°19 | n.a. | M25 |
| T 26 | 1 11 9 | 17° 9'02 | 17°31 | 7° 6 | 7°31 | 1°23 | 10°27 | 10°57 | 5°45 | 28°34 | 24°53 | 24°35 | 25° 0 | 10°26 | n.a. | T 26 |
| W27 | 1 15 5 | 18°10'16 | 0♋ 5 | 8°20 | 8°43 | 1°27 | 10°33 | 11° 4 | 5°45 | 28°36 | 24°54 | 24°36 | 24°57 | 10°33 | n.a. | W27 |
| T 28 | 1 19 2 | 19°11'30 | 12°57 | 9°31 | 9°56 | 1°32 | 10°40 | 11°10 | 5°R45 | 28°39 | 24°54 | 24°36 | 24°53 | 10°39 | n.a. | T 28 |
| F 29 | 1 22 58 | 20°12'46 | 26°11 | 10°39 | 11° 9 | 1°38 | 10°48 | 11°17 | 5°45 | 28°41 | 24°55 | 24°R36 | 24°50 | 10°46 | n.a. | F 29 |
| S 30 | 1 26 55 | 21°14'02 | 9♌49 | 11°43 | 12°21 | 1°44 | 10°55 | 11°24 | 5°45 | 28°43 | 24°55 | 24°36 | 24°47 | 10°52 | n.a. | S 30 |
| S 31 | 1 30 52 | 22♎15'20 | 23♌53 | 12♏42 | 13♍34 | 1♓51 | 11♉ 2 | 11♏31 | 5♋45 | 28♍45 | 24♋56 | 24♎36 | 24♎44 | 10♈59 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 3n21 | 17n39 | 5s10 | 0s52 | 0s43 | 19n16 | 0n38 | 12s59 | 2s57 | 24s53 | 1s15 | 13s13 | 1n27 | 24n18 | 0n30 | 2n50 | 2n 4 | 35n37 | 14n14 | 9s54 | 10s21 | 4n37 | | n.a. | F 1 |
| S 2 | 2 56 | 15 15 | 5 11 | 1 35 | 0 49 | 19 1 | 0 42 | 13 1 | 2 53 | 24 53 | 1 15 | 13 15 | 1 27 | 24 18 | 0 30 | 2 50 | 2 4 | 35 37 | 14 14 | 9 53 | 10 20 | 4 38 | | n.a. | S 2 |
| S 3 | 2 32 | 11 52 | 4 54 | 2 18 | 0 55 | 18 46 | 0 46 | 13 3 | 2 49 | 24 52 | 1 15 | 13 17 | 1 27 | 24 18 | 0 30 | 2 49 | 2 4 | 35 38 | 14 15 | 9 51 | 10 19 | 4 40 | | n.a. | S 3 |
| M 4 | 2 7 | 7 39 | 4 16 | 3 1 | 1 1 | 18 30 | 0 50 | 13 5 | 2 45 | 24 52 | 1 14 | 13 19 | 1 26 | 24 18 | 0 30 | 2 48 | 2 4 | 35 38 | 14 15 | 9 49 | 10 18 | 4 42 | | n.a. | M 4 |
| T 5 | 1 43 | 2 53 | 3 20 | 3 44 | 1 7 | 18 14 | 0 54 | 13 7 | 2 42 | 24 52 | 1 14 | 13 21 | 1 26 | 24 18 | 0 30 | 2 47 | 2 4 | 35 38 | 14 16 | 9 47 | 10 17 | 4 44 | | n.a. | T 5 |
| W 6 | 1 18 | 2s 9 | 2 10 | 4 26 | 1 13 | 17 57 | 0 57 | 13 8 | 2 38 | 24 51 | 1 14 | 13 23 | 1 26 | 24 18 | 0 30 | 2 46 | 2 4 | 35 38 | 14 16 | 9 46 | 10 16 | 4 46 | | n.a. | W 6 |
| T 7 | 0 53 | 7 2 | 0 50 | 5 8 | 1 19 | 17 39 | 1 1 | 13 9 | 2 34 | 24 51 | 1 14 | 13 25 | 1 26 | 24 18 | 0 30 | 2 45 | 2 4 | 35 38 | 14 16 | 9 46 | 10 14 | 4 48 | | n.a. | T 7 |
| F 8 | 0 29 | 11 26 | 0n33 | 5 50 | 1 25 | 17 21 | 1 4 | 13 9 | 2 30 | 24 51 | 1 14 | 13 27 | 1 26 | 24 18 | 0 30 | 2 44 | 2 4 | 35 39 | 14 17 | 9 46 | 10 13 | 4 50 | | n.a. | F 8 |
| S 9 | 0 4 | 15 0 | 1 52 | 6 32 | 1 30 | 17 2 | 1 7 | 13 10 | 2 26 | 24 50 | 1 14 | 13 29 | 1 26 | 24 18 | 0 30 | 2 43 | 2 4 | 35 39 | 14 17 | 9 46 | 10 12 | 4 52 | | n.a. | S 9 |
| S 10 | 0s21 | 17 33 | 3 2 | 7 12 | 1 36 | 16 43 | 1 10 | 13 10 | 2 23 | 24 50 | 1 14 | 13 31 | 1 26 | 24 18 | 0 30 | 2 42 | 2 4 | 35 39 | 14 18 | 9 47 | 10 11 | 4 54 | | n.a. | S 10 |
| M11 | 0 46 | 18 58 | 3 58 | 7 53 | 1 41 | 16 24 | 1 13 | 13 9 | 2 19 | 24 49 | 1 13 | 13 33 | 1 25 | 24 18 | 0 30 | 2 41 | 2 4 | 35 39 | 14 18 | 9 47 | 10 10 | 4 56 | | n.a. | M11 |
| T 12 | 1 10 | 19 13 | 4 40 | 8 33 | 1 46 | 16 3 | 1 16 | 13 9 | 2 15 | 24 49 | 1 13 | 13 35 | 1 25 | 24 18 | 0 30 | 2 40 | 2 4 | 35 40 | 14 19 | 9 47 | 10 9 | 4 57 | | n.a. | T 12 |
| W13 | 1 35 | 18 25 | 5 6 | 9 12 | 1 51 | 15 43 | 1 19 | 13 8 | 2 12 | 24 48 | 1 13 | 13 37 | 1 25 | 24 18 | 0 30 | 2 39 | 2 4 | 35 40 | 14 19 | 9 47 | 10 7 | 4 59 | | n.a. | W13 |
| T 14 | 2 0 | 16 42 | 5 16 | 9 51 | 1 55 | 15 22 | 1 22 | 13 7 | 2 8 | 24 48 | 1 13 | 13 39 | 1 25 | 24 18 | 0 30 | 2 39 | 2 4 | 35 40 | 14 20 | 9 47 | 10 6 | 5 1 | | n.a. | T 14 |
| F 15 | 2 24 | 14 13 | 5 10 | 10 29 | 2 0 | 15 0 | 1 25 | 13 6 | 2 5 | 24 48 | 1 13 | 13 42 | 1 25 | 24 18 | 0 30 | 2 38 | 2 4 | 35 40 | 14 20 | 9 46 | 10 5 | 5 3 | | n.a. | F 15 |
| S 16 | 2 49 | 11 10 | 4 51 | 11 6 | 2 4 | 14 38 | 1 27 | 13 4 | 2 1 | 24 47 | 1 13 | 13 44 | 1 25 | 24 18 | 0 30 | 2 37 | 2 4 | 35 41 | 14 21 | 9 45 | 10 4 | 5 5 | | n.a. | S 16 |
| S 17 | 3 14 | 7 40 | 4 18 | 11 43 | 2 7 | 14 15 | 1 30 | 13 2 | 1 57 | 24 47 | 1 13 | 13 46 | 1 25 | 24 18 | 0 30 | 2 36 | 2 4 | 35 41 | 14 21 | 9 44 | 10 3 | 5 7 | | n.a. | S 17 |
| M18 | 3 38 | 3 54 | 3 35 | 12 19 | 2 11 | 13 52 | 1 32 | 13 0 | 1 54 | 24 46 | 1 12 | 13 48 | 1 24 | 24 18 | 0 30 | 2 35 | 2 4 | 35 41 | 14 22 | 9 43 | 10 1 | 5 9 | | n.a. | M18 |
| T 19 | 4 3 | 0 1 | 2 42 | 12 53 | 2 14 | 13 29 | 1 34 | 12 57 | 1 51 | 24 45 | 1 12 | 13 50 | 1 24 | 24 18 | 0 30 | 2 34 | 2 4 | 35 42 | 14 22 | 9 43 | 10 0 | 5 11 | | n.a. | T 19 |
| W20 | 4 27 | 3n52 | 1 43 | 13 27 | 2 16 | 13 5 | 1 36 | 12 55 | 1 47 | 24 45 | 1 12 | 13 52 | 1 24 | 24 18 | 0 30 | 2 33 | 2 4 | 35 42 | 14 23 | 9 42 | 9 59 | 5 13 | | n.a. | W20 |
| T 21 | 4 51 | 7 36 | 0 39 | 14 0 | 2 18 | 12 41 | 1 38 | 12 52 | 1 44 | 24 44 | 1 12 | 13 54 | 1 24 | 24 18 | 0 30 | 2 32 | 2 4 | 35 42 | 14 23 | 9 42 | 9 58 | 5 15 | | n.a. | T 21 |
| F 22 | 5 16 | 11 2 | 0s26 | 14 31 | 2 20 | 12 16 | 1 40 | 12 49 | 1 41 | 24 44 | 1 12 | 13 57 | 1 24 | 24 18 | 0 30 | 2 31 | 2 4 | 35 43 | 14 24 | 9 42 | 9 57 | 5 16 | | n.a. | F 22 |
| S 23 | 5 40 | 14 2 | 1 31 | 15 1 | 2 21 | 11 51 | 1 42 | 12 45 | 1 37 | 24 43 | 1 12 | 13 59 | 1 24 | 24 18 | 0 30 | 2 31 | 2 4 | 35 43 | 14 24 | 9 42 | 9 56 | 5 18 | | n.a. | S 23 |
| S 24 | 6 4 | 16 28 | 2 32 | 15 30 | 2 22 | 11 26 | 1 44 | 12 42 | 1 34 | 24 42 | 1 12 | 14 1 | 1 24 | 24 18 | 0 30 | 2 30 | 2 4 | 35 43 | 14 25 | 9 42 | 9 54 | 5 20 | | n.a. | S 24 |
| M25 | 6 28 | 18 12 | 3 28 | 15 57 | 2 22 | 11 0 | 1 46 | 12 38 | 1 31 | 24 42 | 1 11 | 14 3 | 1 24 | 24 18 | 0 30 | 2 29 | 2 4 | 35 44 | 14 25 | 9 42 | 9 53 | 5 22 | | n.a. | M25 |
| T 26 | 6 52 | 19 6 | 4 14 | 16 22 | 2 21 | 10 34 | 1 47 | 12 33 | 1 28 | 24 41 | 1 11 | 14 5 | 1 24 | 24 18 | 0 30 | 2 28 | 2 4 | 35 44 | 14 26 | 9 43 | 9 52 | 5 24 | | n.a. | T 26 |
| W27 | 7 16 | 19 6 | 4 50 | 16 46 | 2 20 | 10 8 | 1 49 | 12 29 | 1 25 | 24 40 | 1 11 | 14 8 | 1 23 | 24 18 | 0 31 | 2 27 | 2 4 | 35 44 | 14 26 | 9 43 | 9 51 | 5 26 | | n.a. | W27 |
| T 28 | 7 40 | 18 6 | 5 12 | 17 7 | 2 18 | 9 41 | 1 50 | 12 25 | 1 22 | 24 40 | 1 11 | 14 10 | 1 23 | 24 18 | 0 31 | 2 26 | 2 4 | 35 45 | 14 27 | 9 43 | 9 50 | 5 28 | | n.a. | T 28 |
| F 29 | 8 3 | 16 8 | 5 18 | 17 26 | 2 15 | 9 14 | 1 51 | 12 20 | 1 19 | 24 39 | 1 11 | 14 12 | 1 23 | 24 18 | 0 31 | 2 25 | 2 4 | 35 45 | 14 27 | 9 43 | 9 48 | 5 30 | | n.a. | F 29 |
| S 30 | 8 27 | 13 13 | 5 7 | 17 43 | 2 11 | 8 47 | 1 52 | 12 15 | 1 16 | 24 38 | 1 11 | 14 14 | 1 23 | 24 18 | 0 31 | 2 25 | 2 4 | 35 46 | 14 28 | 9 43 | 9 47 | 5 31 | | n.a. | S 30 |
| S 31 | 8s50 | 9n28 | 4s38 | 17s57 | 2s 6 | 8n19 | 1n53 | 12s 9 | 1s13 | 24s37 | 1s11 | 14s16 | 1n23 | 24n18 | 0n31 | 2n24 | 2n 4 | 35n46 | 14n28 | 9s43 | 9s46 | 5n33 | | n.a. | S 31 |

Julian Day Number = 995214.5, Delta T = 12h57m43s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'07, Lahiri = -31°22'06 Julian Calendar 1 Oct. 1989 BCE == Greg. Calendar 14 Sept. 1989 BCE

The year -1988 astronomical counting style corresponds to year 1989 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## NOVEMBER 1989 BCE (-1988) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 34 48 | 23♎16'38 | 8♍22 | 13♏36 | 14♍47 | 1♓59 | 11♉10 | 11♏37 | 5°R45 | 28♍47 | 24♋56 | 24°R36 | 24♎41 | 11♈ 6 | n.a. | M 1 |
| T 2 | 1 38 45 | 24°17'57 | 23°13 | 14°25 | 16° 0 | 2° 7 | 11°18 | 11°44 | 5♋44 | 28°49 | 24°56 | 24°D36 | 24°38 | 11°12 | n.a. | T 2 |
| W 3 | 1 42 41 | 25°19'16 | 8♎18 | 15° 7 | 17°13 | 2°16 | 11°25 | 11°51 | 5°44 | 28°51 | 24°57 | 24♎36 | 24°34 | 11°19 | n.a. | W 3 |
| T 4 | 1 46 38 | 26°20'36 | 23°29 | 15°41 | 18°26 | 2°26 | 11°34 | 11°58 | 5°44 | 28°53 | 24°57 | 24°R36 | 24°31 | 11°26 | n.a. | T 4 |
| F 5 | 1 50 34 | 27°21'56 | 8♏38 | 16° 7 | 19°39 | 2°36 | 11°42 | 12° 5 | 5°43 | 28°55 | 24°57 | 24°36 | 24°28 | 11°32 | n.a. | F 5 |
| S 6 | 1 54 31 | 28°23'17 | 23°34 | 16°24 | 20°53 | 2°47 | 11°50 | 12°12 | 5°43 | 28°57 | 24°58 | 24°35 | 24°25 | 11°39 | n.a. | S 6 |
| S 7 | 1 58 27 | 29°24'38 | 8♐10 | 16°R30 | 22° 6 | 2°58 | 11°59 | 12°19 | 5°42 | 28°59 | 24°58 | 24°35 | 24°22 | 11°46 | n.a. | S 7 |
| M 8 | 2 2 24 | 0♏25'58 | 22°21 | 16°26 | 23°19 | 3°10 | 12° 7 | 12°26 | 5°42 | 29° 1 | 24°58 | 24°34 | 24°19 | 11°52 | n.a. | M 8 |
| T 9 | 2 6 21 | 1°27'19 | 6♑ 4 | 16°10 | 24°33 | 3°23 | 12°16 | 12°32 | 5°41 | 29° 3 | 24°58 | 24°33 | 24°15 | 11°59 | n.a. | T 9 |
| W10 | 2 10 17 | 2°28'40 | 19°20 | 15°42 | 25°46 | 3°36 | 12°25 | 12°39 | 5°40 | 29° 5 | 24°58 | 24°33 | 24°12 | 12° 6 | n.a. | W10 |
| T 11 | 2 14 14 | 3°30'00 | 2♒11 | 15° 3 | 27° 0 | 3°50 | 12°34 | 12°46 | 5°39 | 29° 7 | 24°58 | 24°D33 | 24° 9 | 12°12 | n.a. | T 11 |
| F 12 | 2 18 10 | 4°31'21 | 14°41 | 14°13 | 28°13 | 4° 5 | 12°43 | 12°53 | 5°39 | 29° 9 | 24°59 | 24°33 | 24° 6 | 12°19 | n.a. | F 12 |
| S 13 | 2 22 7 | 5°32'41 | 26°54 | 13°12 | 29°27 | 4°19 | 12°52 | 13° 0 | 5°38 | 29°11 | 24°R59 | 24°34 | 24° 3 | 12°26 | n.a. | S 13 |
| S 14 | 2 26 3 | 6°34'00 | 8♓54 | 12° 3 | 0♎40 | 4°35 | 13° 2 | 13° 7 | 5°37 | 29°13 | 24°59 | 24°35 | 23°59 | 12°32 | n.a. | S 14 |
| M15 | 2 30 0 | 7°35'19 | 20°46 | 10°47 | 1°54 | 4°51 | 13°11 | 13°14 | 5°36 | 29°15 | 24°58 | 24°36 | 23°56 | 12°39 | n.a. | M15 |
| T 16 | 2 33 56 | 8°36'39 | 2♈34 | 9°27 | 3° 8 | 5° 7 | 13°21 | 13°22 | 5°35 | 29°17 | 24°58 | 24°37 | 23°53 | 12°46 | n.a. | T 16 |
| W17 | 2 37 53 | 9°37'57 | 14°21 | 8° 5 | 4°21 | 5°24 | 13°31 | 13°29 | 5°34 | 29°19 | 24°58 | 24°38 | 23°50 | 12°52 | n.a. | W17 |
| T 18 | 2 41 50 | 10°39'16 | 26°10 | 6°45 | 5°35 | 5°42 | 13°41 | 13°36 | 5°33 | 29°21 | 24°58 | 24°R38 | 23°47 | 12°59 | n.a. | T 18 |
| F 19 | 2 45 46 | 11°40'34 | 8♉ 5 | 5°29 | 6°49 | 5°59 | 13°51 | 13°43 | 5°32 | 29°22 | 24°58 | 24°38 | 23°44 | 13° 5 | n.a. | F 19 |
| S 20 | 2 49 43 | 12°41'52 | 20° 6 | 4°18 | 8° 3 | 6°18 | 14° 1 | 13°50 | 5°30 | 29°24 | 24°58 | 24°36 | 23°40 | 13°12 | n.a. | S 20 |
| S 21 | 2 53 39 | 13°43'10 | 2♊15 | 3°15 | 9°17 | 6°36 | 14°12 | 13°57 | 5°29 | 29°26 | 24°58 | 24°34 | 23°37 | 13°19 | n.a. | S 21 |
| M22 | 2 57 36 | 14°44'27 | 14°35 | 2°21 | 10°31 | 6°56 | 14°22 | 14° 4 | 5°28 | 29°28 | 24°57 | 24°31 | 23°34 | 13°25 | n.a. | M22 |
| T 23 | 3 1 32 | 15°45'44 | 27° 6 | 1°37 | 11°45 | 7°15 | 14°32 | 14°11 | 5°26 | 29°29 | 24°57 | 24°27 | 23°31 | 13°32 | n.a. | T 23 |
| W24 | 3 5 29 | 16°47'01 | 9♋50 | 1° 3 | 12°59 | 7°35 | 14°43 | 14°18 | 5°25 | 29°31 | 24°57 | 24°24 | 23°28 | 13°39 | n.a. | W24 |
| T 25 | 3 9 26 | 17°48'18 | 22°49 | 0°39 | 14°13 | 7°56 | 14°54 | 14°25 | 5°23 | 29°33 | 24°56 | 24°21 | 23°25 | 13°45 | n.a. | T 25 |
| F 26 | 3 13 22 | 18°49'35 | 6♌ 3 | 0°24 | 15°27 | 8°16 | 15° 5 | 14°32 | 5°22 | 29°34 | 24°56 | 24°19 | 23°21 | 13°52 | n.a. | F 26 |
| S 27 | 3 17 19 | 19°50'51 | 19°35 | 0°D19 | 16°41 | 8°37 | 15°16 | 14°39 | 5°20 | 29°36 | 24°55 | 24°D19 | 23°18 | 13°59 | n.a. | S 27 |
| S 28 | 3 21 15 | 20°52'07 | 3♍26 | 0°22 | 17°55 | 8°59 | 15°27 | 14°46 | 5°19 | 29°38 | 24°55 | 24°19 | 23°15 | 14° 5 | n.a. | S 28 |
| M29 | 3 25 12 | 21°53'22 | 17°36 | 0°34 | 19° 9 | 9°21 | 15°38 | 14°53 | 5°17 | 29°39 | 24°54 | 24°20 | 23°12 | 14°12 | n.a. | M29 |
| T 30 | 3 29 8 | 22♏54'37 | 2♎ 4 | 0♏53 | 20♎23 | 9♓43 | 15♉49 | 15♏ 0 | 5♋15 | 29♍41 | 24♋54 | 24♎22 | 23♎ 9 | 14♈19 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 9s13 | 5n 3 | 3s50 | 18s 8 | 2s 0 | 7n52 | 1n54 | 12s 4 | 1s10 | 24s37 | 1s11 | 14s19 | 1n23 | 24n18 | 0n31 | 2n23 | 2n 4 | 35n46 | 14n29 | 9s43 | 9s45 | 5n35 | | n.a. |
| T 2 | 9 36 | 0 13 | 2 46 | 18 16 | 1 53 | 7 23 | 1 55 | 11 58 | 1 7 | 24 36 | 1 10 | 14 21 | 1 23 | 24 18 | 0 31 | 2 22 | 2 4 | 35 47 | 14 29 | 9 43 | 9 44 | 5 37 | | n.a. |
| W 3 | 9 59 | 4s43 | 1 30 | 18 21 | 1 44 | 6 55 | 1 56 | 11 53 | 1 4 | 24 35 | 1 10 | 14 23 | 1 23 | 24 18 | 0 31 | 2 21 | 2 4 | 35 47 | 14 30 | 9 43 | 9 42 | 5 39 | | n.a. |
| T 4 | 10 22 | 9 24 | 0 6 | 18 22 | 1 34 | 6 27 | 1 57 | 11 46 | 1 2 | 24 34 | 1 10 | 14 25 | 1 23 | 24 18 | 0 31 | 2 20 | 2 4 | 35 48 | 14 30 | 9 43 | 9 41 | 5 41 | | n.a. |
| F 5 | 10 44 | 13 27 | 1n17 | 18 19 | 1 23 | 5 58 | 1 57 | 11 40 | 0 59 | 24 33 | 1 10 | 14 28 | 1 23 | 24 18 | 0 31 | 2 20 | 2 4 | 35 48 | 14 31 | 9 43 | 9 40 | 5 43 | | n.a. |
| S 6 | 11 7 | 16 33 | 2 34 | 18 12 | 1 11 | 5 29 | 1 58 | 11 34 | 0 56 | 24 32 | 1 10 | 14 30 | 1 22 | 24 19 | 0 31 | 2 19 | 2 4 | 35 49 | 14 31 | 9 43 | 9 39 | 5 45 | | n.a. |
| S 7 | 11 29 | 18 30 | 3 40 | 18 0 | 0 57 | 5 0 | 1 58 | 11 27 | 0 54 | 24 32 | 1 10 | 14 32 | 1 22 | 24 19 | 0 31 | 2 18 | 2 4 | 35 49 | 14 32 | 9 43 | 9 38 | 5 46 | | n.a. |
| M 8 | 11 51 | 19 13 | 4 29 | 17 44 | 0 41 | 4 30 | 1 58 | 11 20 | 0 51 | 24 31 | 1 10 | 14 34 | 1 22 | 24 19 | 0 31 | 2 17 | 2 4 | 35 50 | 14 33 | 9 42 | 9 37 | 5 48 | | n.a. |
| T 9 | 12 13 | 18 45 | 5 2 | 17 24 | 0 24 | 4 1 | 1 58 | 11 13 | 0 49 | 24 30 | 1 10 | 14 37 | 1 22 | 24 19 | 0 31 | 2 17 | 2 4 | 35 50 | 14 33 | 9 42 | 9 35 | 5 50 | | n.a. |
| W10 | 12 35 | 17 16 | 5 17 | 16 58 | 0 6 | 3 31 | 1 58 | 11 6 | 0 46 | 24 29 | 1 9 | 14 39 | 1 22 | 24 19 | 0 31 | 2 16 | 2 4 | 35 51 | 14 34 | 9 42 | 9 34 | 5 52 | | n.a. |
| T 11 | 12 56 | 14 57 | 5 15 | 16 28 | 0n13 | 3 1 | 1 58 | 10 59 | 0 44 | 24 28 | 1 9 | 14 41 | 1 22 | 24 19 | 0 31 | 2 15 | 2 4 | 35 51 | 14 34 | 9 42 | 9 33 | 5 54 | | n.a. |
| F 12 | 13 17 | 12 0 | 4 59 | 15 54 | 0 33 | 2 31 | 1 58 | 10 51 | 0 42 | 24 27 | 1 9 | 14 43 | 1 22 | 24 19 | 0 31 | 2 14 | 2 4 | 35 52 | 14 35 | 9 42 | 9 32 | 5 56 | | n.a. |
| S 13 | 13 38 | 8 35 | 4 29 | 15 16 | 0 53 | 2 1 | 1 58 | 10 44 | 0 39 | 24 26 | 1 9 | 14 45 | 1 22 | 24 19 | 0 31 | 2 14 | 2 4 | 35 52 | 14 35 | 9 42 | 9 31 | 5 58 | | n.a. |
| S 14 | 13 59 | 4 53 | 3 48 | 14 36 | 1 13 | 1 31 | 1 58 | 10 36 | 0 37 | 24 25 | 1 9 | 14 48 | 1 22 | 24 19 | 0 31 | 2 13 | 2 5 | 35 53 | 14 36 | 9 43 | 9 29 | 5 59 | | n.a. |
| M15 | 14 19 | 1 1 | 2 57 | 13 53 | 1 33 | 1 1 | 1 57 | 10 28 | 0 35 | 24 24 | 1 9 | 14 50 | 1 22 | 24 19 | 0 31 | 2 12 | 2 5 | 35 53 | 14 36 | 9 43 | 9 28 | 6 1 | | n.a. |
| T 16 | 14 39 | 2n52 | 2 0 | 13 10 | 1 52 | 0 31 | 1 57 | 10 20 | 0 33 | 24 23 | 1 9 | 14 52 | 1 22 | 24 19 | 0 31 | 2 11 | 2 5 | 35 54 | 14 37 | 9 43 | 9 27 | 6 3 | | n.a. |
| W17 | 14 59 | 6 38 | 0 57 | 12 27 | 2 9 | 0 1 | 1 56 | 10 11 | 0 31 | 24 21 | 1 9 | 14 54 | 1 22 | 24 19 | 0 31 | 2 11 | 2 5 | 35 54 | 14 37 | 9 44 | 9 26 | 6 5 | | n.a. |
| T 18 | 15 19 | 10 10 | 0s 8 | 11 46 | 2 25 | 0s30 | 1 56 | 10 3 | 0 29 | 24 20 | 1 9 | 14 57 | 1 21 | 24 19 | 0 31 | 2 10 | 2 5 | 35 55 | 14 38 | 9 44 | 9 25 | 6 7 | | n.a. |
| F 19 | 15 38 | 13 19 | 1 14 | 11 8 | 2 38 | 1 0 | 1 55 | 9 54 | 0 27 | 24 19 | 1 8 | 14 59 | 1 21 | 24 19 | 0 31 | 2 9 | 2 5 | 35 55 | 14 38 | 9 44 | 9 23 | 6 9 | | n.a. |
| S 20 | 15 58 | 15 56 | 2 16 | 10 34 | 2 49 | 1 31 | 1 54 | 9 46 | 0 25 | 24 18 | 1 8 | 15 1 | 1 21 | 24 20 | 0 31 | 2 9 | 2 5 | 35 56 | 14 39 | 9 43 | 9 22 | 6 10 | | n.a. |
| S 21 | 16 16 | 17 52 | 3 13 | 10 4 | 2 58 | 2 1 | 1 53 | 9 37 | 0 23 | 24 17 | 1 8 | 15 3 | 1 21 | 24 20 | 0 31 | 2 8 | 2 5 | 35 56 | 14 39 | 9 42 | 9 21 | 6 12 | | n.a. |
| M22 | 16 35 | 19 0 | 4 2 | 9 39 | 3 4 | 2 31 | 1 52 | 9 28 | 0 21 | 24 15 | 1 8 | 15 5 | 1 21 | 24 20 | 0 31 | 2 7 | 2 5 | 35 57 | 14 40 | 9 41 | 9 20 | 6 14 | | n.a. |
| T 23 | 16 53 | 19 13 | 4 40 | 9 20 | 3 9 | 3 2 | 1 51 | 9 19 | 0 19 | 24 14 | 1 8 | 15 8 | 1 21 | 24 20 | 0 31 | 2 7 | 2 5 | 35 57 | 14 40 | 9 40 | 9 19 | 6 16 | | n.a. |
| W24 | 17 11 | 18 29 | 5 5 | 9 6 | 3 11 | 3 32 | 1 50 | 9 9 | 0 17 | 24 13 | 1 8 | 15 10 | 1 21 | 24 20 | 0 31 | 2 6 | 2 5 | 35 58 | 14 41 | 9 38 | 9 17 | 6 18 | | n.a. |
| T 25 | 17 29 | 16 46 | 5 15 | 8 57 | 3 11 | 4 3 | 1 49 | 9 0 | 0 15 | 24 12 | 1 8 | 15 12 | 1 21 | 24 20 | 0 32 | 2 5 | 2 5 | 35 58 | 14 41 | 9 37 | 9 16 | 6 20 | | n.a. |
| F 26 | 17 46 | 14 9 | 5 9 | 8 53 | 3 10 | 4 33 | 1 48 | 8 50 | 0 13 | 24 10 | 1 8 | 15 14 | 1 21 | 24 20 | 0 32 | 2 5 | 2 5 | 35 59 | 14 42 | 9 37 | 9 15 | 6 21 | | n.a. |
| S 27 | 18 3 | 10 44 | 4 45 | 8 53 | 3 8 | 5 3 | 1 47 | 8 41 | 0 12 | 24 9 | 1 8 | 15 16 | 1 21 | 24 20 | 0 32 | 2 4 | 2 5 | 36 0 | 14 42 | 9 37 | 9 14 | 6 23 | | n.a. |
| S 28 | 18 20 | 6 39 | 4 5 | 8 58 | 3 4 | 5 33 | 1 45 | 8 31 | 0 10 | 24 7 | 1 8 | 15 18 | 1 21 | 24 20 | 0 32 | 2 4 | 2 5 | 36 0 | 14 43 | 9 37 | 9 13 | 6 25 | | n.a. |
| M29 | 18 36 | 2 6 | 3 9 | 9 6 | 3 0 | 6 3 | 1 44 | 8 21 | 0 8 | 24 6 | 1 8 | 15 20 | 1 21 | 24 20 | 0 32 | 2 3 | 2 5 | 36 1 | 14 43 | 9 37 | 9 11 | 6 27 | | n.a. |
| T 30 | 18s52 | 2s40 | 2s 0 | 9s18 | 2n54 | 6s33 | 1n42 | 8s11 | 0s 7 | 24s 5 | 1s 7 | 15s23 | 1n21 | 24n20 | 0n32 | 2n 2 | 2n 5 | 36n 1 | 14n44 | 9s38 | 9s10 | 6n29 | | n.a. |

Julian Day Number = 995245.5, Delta T = 12h57m41s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°29'02, Lahiri = -31°22'02 Julian Calendar 1 Nov. 1989 BCE == Greg. Calendar 15 Oct. 1989 BCE


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# ASTRODIENST EPHEMERIS for the year 1989 BCE
# geocentric

## DECEMBER 1989 BCE (-1988) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 33 5 | 23♏55'52 | 16♎47 | 1♏19 | 21♎37 | 10♓ 5 | 16♑ 1 | 15♏ 7 | 5°R14 | 29♍42 | 24°R53 | 24°R23 | 23♎ 5 | 14♈25 | n.a. | W 1 |
| T 2 | 3 37 2 | 24°57'06 | 1♏39 | 1°51 | 22°52 | 10°28 | 16°12 | 15°14 | 5♋12 | 29°44 | 24♋53 | 24♎23 | 23° 2 | 14°32 | n.a. | T 2 |
| F 3 | 3 40 58 | 25°58'20 | 16°34 | 2°28 | 24° 6 | 10°52 | 16°24 | 15°21 | 5°10 | 29°45 | 24°52 | 24°21 | 22°59 | 14°39 | n.a. | F 3 |
| S 4 | 3 44 55 | 26°59'33 | 1♐23 | 3°11 | 25°20 | 11°15 | 16°35 | 15°28 | 5° 8 | 29°47 | 24°52 | 24°18 | 22°56 | 14°45 | n.a. | S 4 |
| S 5 | 3 48 51 | 28° 0'45 | 15°59 | 3°58 | 26°34 | 11°39 | 16°47 | 15°35 | 5° 6 | 29°48 | 24°51 | 24°13 | 22°53 | 14°52 | n.a. | S 5 |
| M 6 | 3 52 48 | 29° 1'56 | 0♑14 | 4°49 | 27°48 | 12° 3 | 16°59 | 15°42 | 5° 4 | 29°49 | 24°50 | 24° 8 | 22°50 | 14°58 | n.a. | M 6 |
| T 7 | 3 56 44 | 0♐ 3'05 | 14° 5 | 5°44 | 29° 3 | 12°28 | 17°11 | 15°49 | 5° 2 | 29°51 | 24°49 | 24° 2 | 22°46 | 15° 5 | n.a. | T 7 |
| W 8 | 4 0 41 | 1° 4'14 | 27°29 | 6°42 | 0♏17 | 12°52 | 17°23 | 15°56 | 5° 0 | 29°52 | 24°49 | 23°57 | 22°43 | 15°12 | n.a. | W 8 |
| T 9 | 4 4 37 | 2° 5'21 | 10♒27 | 7°43 | 1°31 | 13°17 | 17°35 | 16° 3 | 4°58 | 29°53 | 24°48 | 23°53 | 22°40 | 15°18 | n.a. | T 9 |
| F 10 | 4 8 34 | 3° 6'27 | 23° 1 | 8°46 | 2°45 | 13°43 | 17°47 | 16°10 | 4°56 | 29°55 | 24°47 | 23°51 | 22°37 | 15°25 | n.a. | F 10 |
| S 11 | 4 12 31 | 4° 7'32 | 5♓16 | 9°53 | 4° 0 | 14° 8 | 17°59 | 16°16 | 4°54 | 29°56 | 24°46 | 23°D50 | 22°34 | 15°32 | n.a. | S 11 |
| S 12 | 4 16 27 | 5° 8'35 | 17°16 | 11° 1 | 5°14 | 14°34 | 18°12 | 16°23 | 4°52 | 29°57 | 24°45 | 23°51 | 22°30 | 15°38 | n.a. | S 12 |
| M13 | 4 20 24 | 6° 9'37 | 29° 7 | 12°11 | 6°28 | 15° 0 | 18°24 | 16°30 | 4°50 | 29°58 | 24°44 | 23°52 | 22°27 | 15°45 | n.a. | M13 |
| T 14 | 4 24 20 | 7°10'37 | 10♈54 | 13°24 | 7°42 | 15°26 | 18°37 | 16°37 | 4°48 | 29°59 | 24°43 | 23°54 | 22°24 | 15°52 | n.a. | T 14 |
| W15 | 4 28 17 | 8°11'36 | 22°42 | 14°38 | 8°57 | 15°53 | 18°49 | 16°44 | 4°45 | 0♎ 0 | 24°42 | 23°R55 | 22°21 | 15°58 | n.a. | W15 |
| T 16 | 4 32 13 | 9°12'34 | 4♉34 | 15°53 | 10°11 | 16°20 | 19° 2 | 16°50 | 4°43 | 0° 2 | 24°41 | 23°54 | 22°18 | 16° 5 | n.a. | T 16 |
| F 17 | 4 36 10 | 10°13'30 | 16°35 | 17°10 | 11°25 | 16°47 | 19°15 | 16°57 | 4°41 | 0° 3 | 24°40 | 23°51 | 22°15 | 16°12 | n.a. | F 17 |
| S 18 | 4 40 7 | 11°14'24 | 28°47 | 18°29 | 12°40 | 17°14 | 19°28 | 17° 4 | 4°39 | 0° 4 | 24°39 | 23°46 | 22°11 | 16°18 | n.a. | S 18 |
| S 19 | 4 44 3 | 12°15'17 | 11♊11 | 19°48 | 13°54 | 17°41 | 19°40 | 17°10 | 4°36 | 0° 5 | 24°38 | 23°39 | 22° 8 | 16°25 | n.a. | S 19 |
| M20 | 4 48 0 | 13°16'09 | 23°49 | 21° 9 | 15° 8 | 18° 9 | 19°53 | 17°17 | 4°34 | 0° 6 | 24°37 | 23°30 | 22° 5 | 16°32 | n.a. | M20 |
| T 21 | 4 51 56 | 14°17'00 | 6♋41 | 22°31 | 16°22 | 18°37 | 20° 6 | 17°23 | 4°31 | 0° 7 | 24°36 | 23°21 | 22° 2 | 16°38 | n.a. | T 21 |
| W22 | 4 55 53 | 15°17'49 | 19°45 | 23°55 | 17°37 | 19° 5 | 20°19 | 17°30 | 4°29 | 0° 7 | 24°35 | 23°12 | 21°59 | 16°45 | n.a. | W22 |
| T 23 | 4 59 49 | 16°18'37 | 3♌ 2 | 25°19 | 18°51 | 19°33 | 20°32 | 17°37 | 4°27 | 0° 8 | 24°34 | 23° 3 | 21°56 | 16°51 | n.a. | T 23 |
| F 24 | 5 3 46 | 17°19'23 | 16°30 | 26°44 | 20° 5 | 20° 2 | 20°46 | 17°43 | 4°24 | 0° 9 | 24°33 | 22°57 | 21°52 | 16°58 | n.a. | F 24 |
| S 25 | 5 7 42 | 18°20'08 | 0♍ 8 | 28°10 | 21°20 | 20°30 | 20°59 | 17°49 | 4°22 | 0°10 | 24°32 | 22°53 | 21°49 | 17° 5 | n.a. | S 25 |
| S 26 | 5 11 39 | 19°20'52 | 13°58 | 29°38 | 22°34 | 20°59 | 21°12 | 17°56 | 4°19 | 0°11 | 24°30 | 22°D51 | 21°46 | 17°11 | n.a. | S 26 |
| M27 | 5 15 36 | 20°21'34 | 27°58 | 1♐ 6 | 23°48 | 21°28 | 21°25 | 18° 2 | 4°17 | 0°11 | 24°29 | 22°52 | 21°43 | 17°18 | n.a. | M27 |
| T 28 | 5 19 32 | 21°22'15 | 12♎ 8 | 2°35 | 25° 2 | 21°57 | 21°39 | 18° 8 | 4°14 | 0°12 | 24°28 | 22°52 | 21°40 | 17°25 | n.a. | T 28 |
| W29 | 5 23 29 | 22°22'55 | 26°27 | 4° 5 | 26°17 | 22°27 | 21°52 | 18°15 | 4°12 | 0°13 | 24°27 | 22°R53 | 21°36 | 17°31 | n.a. | W29 |
| T 30 | 5 27 25 | 23°23'34 | 10♏52 | 5°36 | 27°31 | 22°56 | 22° 6 | 18°21 | 4° 9 | 0°13 | 24°25 | 22°51 | 21°33 | 17°38 | n.a. | T 30 |
| F 31 | 5 31 22 | 24♐24'11 | 25♏21 | 7♐ 8 | 28♏45 | 23♓26 | 22♑19 | 18♏27 | 4♋ 6 | 0♎14 | 24♋24 | 22♎47 | 21♎30 | 17♈45 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 19s 8 | 7s22 | 0s42 | 9s33 | 2n48 | 7s 3 | 1n41 | 8s 1 | 0s 5 | 24s 3 | 1s 7 | 15s25 | 1n21 | 24n21 | 0n32 | 2n 2 | 2n 5 | 36n 2 | 14n44 | 9s38 | 9s 9 | 6n31 | | n.a. |
| T 2 | 19 23 | 11 40 | 0n40 | 9 50 | 2 41 | 7 32 | 1 39 | 7 50 | 0 3 | 24 2 | 1 7 | 15 27 | 1 21 | 24 21 | 0 32 | 2 1 | 2 5 | 36 2 | 14 45 | 9 38 | 9 8 | 6 32 | | n.a. |
| F 3 | 19 38 | 15 14 | 1 59 | 10 10 | 2 34 | 8 2 | 1 37 | 7 40 | 0 2 | 24 0 | 1 7 | 15 29 | 1 21 | 24 21 | 0 32 | 2 1 | 2 5 | 36 3 | 14 45 | 9 38 | 9 7 | 6 34 | | n.a. |
| S 4 | 19 53 | 17 46 | 3 9 | 10 32 | 2 26 | 8 31 | 1 35 | 7 30 | 0 0 | 23 59 | 1 7 | 15 31 | 1 21 | 24 21 | 0 32 | 2 0 | 2 6 | 36 4 | 14 46 | 9 36 | 9 5 | 6 36 | | n.a. |
| S 5 | 20 7 | 19 6 | 4 6 | 10 56 | 2 18 | 9 0 | 1 34 | 7 19 | 0n 1 | 23 57 | 1 7 | 15 33 | 1 21 | 24 21 | 0 32 | 2 0 | 2 6 | 36 4 | 14 46 | 9 35 | 9 4 | 6 38 | | n.a. |
| M 6 | 20 21 | 19 10 | 4 45 | 11 21 | 2 10 | 9 29 | 1 32 | 7 8 | 0 3 | 23 55 | 1 7 | 15 35 | 1 21 | 24 21 | 0 32 | 1 59 | 2 6 | 36 5 | 14 47 | 9 32 | 9 3 | 6 40 | | n.a. |
| T 7 | 20 34 | 18 4 | 5 7 | 11 47 | 2 2 | 9 57 | 1 30 | 6 57 | 0 4 | 23 54 | 1 7 | 15 37 | 1 21 | 24 21 | 0 32 | 1 59 | 2 6 | 36 5 | 14 47 | 9 30 | 9 2 | 6 42 | | n.a. |
| W 8 | 20 47 | 16 0 | 5 11 | 12 15 | 1 53 | 10 26 | 1 28 | 6 46 | 0 6 | 23 52 | 1 7 | 15 39 | 1 20 | 24 21 | 0 32 | 1 58 | 2 6 | 36 6 | 14 47 | 9 28 | 9 1 | 6 43 | | n.a. |
| T 9 | 21 0 | 13 11 | 4 59 | 12 43 | 1 44 | 10 54 | 1 26 | 6 35 | 0 7 | 23 50 | 1 7 | 15 41 | 1 20 | 24 21 | 0 32 | 1 58 | 2 6 | 36 7 | 14 48 | 9 27 | 8 59 | 6 45 | | n.a. |
| F 10 | 21 12 | 9 50 | 4 33 | 13 12 | 1 36 | 11 22 | 1 24 | 6 24 | 0 8 | 23 49 | 1 7 | 15 43 | 1 20 | 24 22 | 0 32 | 1 57 | 2 6 | 36 7 | 14 48 | 9 26 | 8 58 | 6 47 | | n.a. |
| S 11 | 21 24 | 6 9 | 3 54 | 13 42 | 1 27 | 11 50 | 1 21 | 6 13 | 0 10 | 23 47 | 1 7 | 15 45 | 1 20 | 24 22 | 0 32 | 1 57 | 2 6 | 36 8 | 14 49 | 9 26 | 8 57 | 6 49 | | n.a. |
| S 12 | 21 35 | 2 17 | 3 6 | 14 12 | 1 18 | 12 17 | 1 19 | 6 2 | 0 11 | 23 45 | 1 7 | 15 47 | 1 20 | 24 22 | 0 32 | 1 56 | 2 6 | 36 8 | 14 49 | 9 26 | 8 56 | 6 51 | | n.a. |
| M13 | 21 46 | 1n38 | 2 11 | 14 42 | 1 10 | 12 44 | 1 17 | 5 50 | 0 12 | 23 44 | 1 7 | 15 49 | 1 20 | 24 22 | 0 32 | 1 56 | 2 6 | 36 9 | 14 50 | 9 27 | 8 55 | 6 52 | | n.a. |
| T 14 | 21 57 | 5 28 | 1 10 | 15 12 | 1 1 | 13 11 | 1 15 | 5 39 | 0 14 | 23 42 | 1 7 | 15 51 | 1 20 | 24 22 | 0 32 | 1 56 | 2 6 | 36 10 | 14 50 | 9 27 | 8 53 | 6 54 | | n.a. |
| W15 | 22 7 | 9 6 | 0 7 | 15 43 | 0 52 | 13 37 | 1 12 | 5 27 | 0 15 | 23 40 | 1 6 | 15 53 | 1 20 | 24 22 | 0 32 | 1 55 | 2 6 | 36 10 | 14 50 | 9 28 | 8 52 | 6 56 | | n.a. |
| T 16 | 22 17 | 12 24 | 0s58 | 16 14 | 0 44 | 14 4 | 1 10 | 5 15 | 0 16 | 23 38 | 1 6 | 15 55 | 1 20 | 24 22 | 0 32 | 1 55 | 2 6 | 36 11 | 14 51 | 9 27 | 8 51 | 6 58 | | n.a. |
| F 17 | 22 26 | 15 13 | 2 0 | 16 44 | 0 35 | 14 29 | 1 8 | 5 3 | 0 17 | 23 36 | 1 6 | 15 57 | 1 20 | 24 22 | 0 32 | 1 54 | 2 6 | 36 11 | 14 51 | 9 26 | 8 50 | 7 0 | | n.a. |
| S 18 | 22 35 | 17 25 | 2 57 | 17 14 | 0 27 | 14 55 | 1 5 | 4 52 | 0 18 | 23 34 | 1 6 | 15 59 | 1 20 | 24 22 | 0 32 | 1 54 | 2 6 | 36 12 | 14 52 | 9 24 | 8 49 | 7 1 | | n.a. |
| S 19 | 22 43 | 18 49 | 3 47 | 17 44 | 0 19 | 15 20 | 1 3 | 4 40 | 0 19 | 23 32 | 1 6 | 16 1 | 1 20 | 24 22 | 0 32 | 1 54 | 2 6 | 36 13 | 14 52 | 9 22 | 8 47 | 7 3 | | n.a. |
| M20 | 22 51 | 19 20 | 4 27 | 18 14 | 0 11 | 15 44 | 1 0 | 4 28 | 0 21 | 23 30 | 1 6 | 16 3 | 1 20 | 24 23 | 0 32 | 1 53 | 2 7 | 36 13 | 14 52 | 9 18 | 8 46 | 7 5 | | n.a. |
| T 21 | 22 58 | 18 51 | 4 54 | 18 43 | 0 3 | 16 9 | 0 58 | 4 15 | 0 22 | 23 28 | 1 6 | 16 5 | 1 20 | 24 23 | 0 32 | 1 53 | 2 7 | 36 14 | 14 53 | 9 15 | 8 45 | 7 7 | | n.a. |
| W22 | 23 5 | 17 23 | 5 6 | 19 12 | 0s 5 | 16 33 | 0 55 | 4 3 | 0 23 | 23 26 | 1 6 | 16 7 | 1 20 | 24 23 | 0 32 | 1 53 | 2 7 | 36 14 | 14 53 | 9 11 | 8 44 | 7 9 | | n.a. |
| T 23 | 23 12 | 14 59 | 5 2 | 19 41 | 0 12 | 16 56 | 0 53 | 3 51 | 0 24 | 23 24 | 1 6 | 16 9 | 1 20 | 24 23 | 0 32 | 1 53 | 2 7 | 36 15 | 14 54 | 9 8 | 8 42 | 7 10 | | n.a. |
| F 24 | 23 18 | 11 44 | 4 41 | 20 8 | 0 20 | 17 19 | 0 50 | 3 39 | 0 25 | 23 22 | 1 6 | 16 10 | 1 20 | 24 23 | 0 32 | 1 52 | 2 7 | 36 16 | 14 54 | 9 6 | 8 41 | 7 12 | | n.a. |
| S 25 | 23 24 | 7 50 | 4 5 | 20 35 | 0 27 | 17 41 | 0 48 | 3 26 | 0 26 | 23 20 | 1 6 | 16 12 | 1 20 | 24 23 | 0 32 | 1 52 | 2 7 | 36 16 | 14 54 | 9 4 | 8 40 | 7 14 | | n.a. |
| S 26 | 23 29 | 3 28 | 3 13 | 21 2 | 0 34 | 18 3 | 0 45 | 3 14 | 0 27 | 23 18 | 1 6 | 16 14 | 1 20 | 24 23 | 0 32 | 1 52 | 2 7 | 36 17 | 14 55 | 9 4 | 8 39 | 7 16 | | n.a. |
| M27 | 23 34 | 1s 9 | 2 10 | 21 27 | 0 41 | 18 25 | 0 42 | 3 1 | 0 28 | 23 16 | 1 6 | 16 16 | 1 20 | 24 23 | 0 32 | 1 52 | 2 7 | 36 17 | 14 55 | 9 4 | 8 38 | 7 17 | | n.a. |
| T 28 | 23 38 | 5 46 | 0 57 | 21 52 | 0 48 | 18 46 | 0 40 | 2 49 | 0 29 | 23 13 | 1 6 | 16 18 | 1 20 | 24 23 | 0 32 | 1 51 | 2 7 | 36 18 | 14 55 | 9 4 | 8 36 | 7 19 | | n.a. |
| W29 | 23 42 | 10 6 | 0n19 | 22 16 | 0 54 | 19 7 | 0 37 | 2 36 | 0 30 | 23 11 | 1 6 | 16 19 | 1 20 | 24 23 | 0 32 | 1 51 | 2 7 | 36 19 | 14 56 | 9 4 | 8 35 | 7 21 | | n.a. |
| T 30 | 23 45 | 13 53 | 1 35 | 22 39 | 1 0 | 19 27 | 0 34 | 2 23 | 0 31 | 23 9 | 1 6 | 16 21 | 1 20 | 24 24 | 0 32 | 1 51 | 2 7 | 36 19 | 14 56 | 9 4 | 8 34 | 7 23 | | n.a. |
| F 31 | 23s48 | 16s50 | 2n44 | 23s 1 | 1s 6 | 19s46 | 0n32 | 2s10 | 0n32 | 23s 7 | 1s 6 | 16s23 | 1n20 | 24n24 | 0n32 | 1n51 | 2n 7 | 36n20 | 14n56 | 9s 2 | 8s33 | 7n25 | | n.a. |

Julian Day Number = 995275.5, Delta T = 12h57m39s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'58, Lahiri = -31°21'58 Julian Calendar 1 Dec. 1989 BCE == Greg. Calendar 14 Nov. 1989 BCE

The year -1988 astronomical counting style corresponds to year 1989 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## JANUARY 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 35 18 | 25♐24'46 | 9♐47 | 8♐40 | 29♏59 | 23♓56 | 22♑33 | 18♏33 | 4°R 4 | 0♎15 | 24°R23 | 22°R41 | 21♎27 | 17♈51 | n.a. | S 1 |
| S 2 | 5 39 15 | 26°25'20 | 24° 6 | 10°14 | 1♐14 | 24°26 | 22°47 | 18°39 | 4♋ 1 | 0°15 | 24♋21 | 22♎32 | 21°24 | 17°58 | n.a. | S 2 |
| M 3 | 5 43 11 | 27°25'52 | 8♑10 | 11°48 | 2°28 | 24°56 | 23° 0 | 18°45 | 3°59 | 0°16 | 24°20 | 22°21 | 21°21 | 18° 5 | n.a. | M 3 |
| T 4 | 5 47 8 | 28°26'22 | 21°54 | 13°24 | 3°42 | 25°26 | 23°14 | 18°51 | 3°56 | 0°16 | 24°19 | 22°10 | 21°17 | 18°11 | n.a. | T 4 |
| W 5 | 5 51 5 | 29°26'50 | 5♒17 | 15° 0 | 4°57 | 25°56 | 23°28 | 18°57 | 3°53 | 0°17 | 24°17 | 21°59 | 21°14 | 18°18 | n.a. | W 5 |
| T 6 | 5 55 1 | 0♑27'16 | 18°16 | 16°37 | 6°11 | 26°27 | 23°42 | 19° 3 | 3°51 | 0°17 | 24°16 | 21°50 | 21°11 | 18°25 | n.a. | T 6 |
| F 7 | 5 58 58 | 1°27'40 | 0♓52 | 18°16 | 7°25 | 26°58 | 23°56 | 19° 9 | 3°48 | 0°17 | 24°14 | 21°43 | 21° 8 | 18°31 | n.a. | F 7 |
| S 8 | 6 2 54 | 2°28'02 | 13°10 | 19°55 | 8°39 | 27°29 | 24° 9 | 19°15 | 3°46 | 0°18 | 24°13 | 21°39 | 21° 5 | 18°38 | n.a. | S 8 |
| S 9 | 6 6 51 | 3°28'21 | 25°12 | 21°35 | 9°54 | 27°59 | 24°23 | 19°21 | 3°43 | 0°18 | 24°11 | 21°37 | 21° 2 | 18°44 | n.a. | S 9 |
| M10 | 6 10 47 | 4°28'38 | 7♈ 4 | 23°16 | 11° 8 | 28°31 | 24°37 | 19°26 | 3°40 | 0°18 | 24°10 | 21°D37 | 20°58 | 18°51 | n.a. | M10 |
| T 11 | 6 14 44 | 5°28'53 | 18°51 | 24°58 | 12°22 | 29° 2 | 24°51 | 19°32 | 3°38 | 0°18 | 24° 8 | 21°R37 | 20°55 | 18°58 | n.a. | T 11 |
| W12 | 6 18 40 | 6°29'06 | 0♉40 | 26°41 | 13°36 | 29°33 | 25° 5 | 19°37 | 3°35 | 0°19 | 24° 7 | 21°37 | 20°52 | 19° 4 | n.a. | W12 |
| T 13 | 6 22 37 | 7°29'17 | 12°35 | 28°25 | 14°50 | 0♈ 5 | 25°19 | 19°43 | 3°32 | 0°19 | 24° 5 | 21°35 | 20°49 | 19°11 | n.a. | T 13 |
| F 14 | 6 26 34 | 8°29'25 | 24°41 | 0♑10 | 16° 5 | 0°36 | 25°34 | 19°48 | 3°30 | 0°19 | 24° 4 | 21°31 | 20°46 | 19°18 | n.a. | F 14 |
| S 15 | 6 30 30 | 9°29'32 | 7♊ 1 | 1°56 | 17°19 | 1° 8 | 25°48 | 19°54 | 3°27 | 0°19 | 24° 2 | 21°24 | 20°42 | 19°24 | n.a. | S 15 |
| S 16 | 6 34 27 | 10°29'36 | 19°39 | 3°43 | 18°33 | 1°40 | 26° 2 | 19°59 | 3°25 | 0°19 | 24° 1 | 21°14 | 20°39 | 19°31 | n.a. | S 16 |
| M17 | 6 38 23 | 11°29'38 | 2♋34 | 5°31 | 19°47 | 2°11 | 26°16 | 20° 4 | 3°22 | 0°R19 | 23°59 | 21° 2 | 20°36 | 19°38 | n.a. | M17 |
| T 18 | 6 42 20 | 12°29'38 | 15°47 | 7°20 | 21° 1 | 2°43 | 26°30 | 20°10 | 3°19 | 0°19 | 23°58 | 20°49 | 20°33 | 19°44 | n.a. | T 18 |
| W19 | 6 46 16 | 13°29'35 | 29°16 | 9°11 | 22°15 | 3°16 | 26°44 | 20°15 | 3°17 | 0°19 | 23°56 | 20°36 | 20°30 | 19°51 | n.a. | W19 |
| T 20 | 6 50 13 | 14°29'31 | 12♌58 | 11° 2 | 23°30 | 3°48 | 26°59 | 20°20 | 3°14 | 0°19 | 23°55 | 20°25 | 20°27 | 19°58 | n.a. | T 20 |
| F 21 | 6 54 9 | 15°29'24 | 26°50 | 12°54 | 24°44 | 4°20 | 27°13 | 20°25 | 3°12 | 0°19 | 23°53 | 20°16 | 20°23 | 20° 4 | n.a. | F 21 |
| S 22 | 6 58 6 | 16°29'16 | 10♍48 | 14°48 | 25°58 | 4°52 | 27°27 | 20°30 | 3° 9 | 0°19 | 23°51 | 20°10 | 20°20 | 20°11 | n.a. | S 22 |
| S 23 | 7 2 3 | 17°29'06 | 24°50 | 16°42 | 27°12 | 5°25 | 27°41 | 20°35 | 3° 7 | 0°19 | 23°50 | 20° 6 | 20°17 | 20°17 | n.a. | S 23 |
| M24 | 7 5 59 | 18°28'54 | 8♎54 | 18°38 | 28°26 | 5°57 | 27°56 | 20°40 | 3° 4 | 0°18 | 23°48 | 20° 5 | 20°14 | 20°24 | n.a. | M24 |
| T 25 | 7 9 56 | 19°28'40 | 22°59 | 20°34 | 29°40 | 6°30 | 28°10 | 20°44 | 3° 2 | 0°18 | 23°47 | 20° 5 | 20°11 | 20°31 | n.a. | T 25 |
| W26 | 7 13 52 | 20°28'24 | 7♏ 5 | 22°31 | 0♑54 | 7° 3 | 28°24 | 20°49 | 2°59 | 0°18 | 23°45 | 20° 5 | 20° 8 | 20°37 | n.a. | W26 |
| T 27 | 7 17 49 | 21°28'06 | 21°10 | 24°29 | 2° 8 | 7°35 | 28°39 | 20°54 | 2°57 | 0°18 | 23°44 | 20° 3 | 20° 4 | 20°44 | n.a. | T 27 |
| F 28 | 7 21 45 | 22°27'47 | 5♐14 | 26°27 | 3°23 | 8° 8 | 28°53 | 20°58 | 2°54 | 0°17 | 23°42 | 19°58 | 20° 1 | 20°51 | n.a. | F 28 |
| S 29 | 7 25 42 | 23°27'26 | 19°13 | 28°26 | 4°37 | 8°41 | 29° 8 | 21° 3 | 2°52 | 0°17 | 23°40 | 19°50 | 19°58 | 20°57 | n.a. | S 29 |
| S 30 | 7 29 38 | 24°27'02 | 3♑ 5 | 0♒25 | 5°51 | 9°14 | 29°22 | 21° 7 | 2°49 | 0°16 | 23°39 | 19°40 | 19°55 | 21° 4 | n.a. | S 30 |
| M31 | 7 33 35 | 25♑26'37 | 16♑46 | 2♒25 | 7♑ 5 | 9♈48 | 29♑36 | 21♏11 | 2♋47 | 0♎16 | 23♋37 | 19♎28 | 19♎52 | 21♈11 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23 s50 | 18 s41 | 3n43 | 23 s22 | 1 s12 | 20 s 5 | 0n29 | 1 s58 | 0n33 | 23 s 4 | 1 s 6 | 16 s25 | 1n20 | 24n24 | 0n32 | 1n51 | 2n 7 | 36n20 | 14n57 | 9 s 0 | 8 s32 | 7n26 | | n.a. |
| S 2 | 23 52 | 19 20 | 4 27 | 23 42 | 1 17 | 20 23 | 0 26 | 1 45 | 0 34 | 23 2 | 1 6 | 16 26 | 1 20 | 24 24 | 0 32 | 1 50 | 2 7 | 36 21 | 14 57 | 8 56 | 8 30 | 7 28 | | n.a. |
| M 3 | 23 54 | 18 46 | 4 54 | 24 1 | 1 22 | 20 41 | 0 24 | 1 32 | 0 34 | 23 0 | 1 6 | 16 28 | 1 20 | 24 24 | 0 32 | 1 50 | 2 8 | 36 21 | 14 57 | 8 52 | 8 29 | 7 30 | | n.a. |
| T 4 | 23 55 | 17 7 | 5 3 | 24 18 | 1 27 | 20 58 | 0 21 | 1 19 | 0 35 | 22 57 | 1 6 | 16 30 | 1 20 | 24 24 | 0 32 | 1 50 | 2 8 | 36 22 | 14 57 | 8 48 | 8 28 | 7 32 | | n.a. |
| W 5 | 23 55 | 14 33 | 4 55 | 24 35 | 1 32 | 21 15 | 0 18 | 1 6 | 0 36 | 22 55 | 1 6 | 16 31 | 1 20 | 24 24 | 0 32 | 1 50 | 2 8 | 36 22 | 14 58 | 8 44 | 8 27 | 7 33 | | n.a. |
| T 6 | 23 55 | 11 21 | 4 32 | 24 50 | 1 36 | 21 31 | 0 16 | 0 53 | 0 37 | 22 52 | 1 6 | 16 33 | 1 20 | 24 24 | 0 32 | 1 50 | 2 8 | 36 23 | 14 58 | 8 40 | 8 26 | 7 35 | | n.a. |
| F 7 | 23 55 | 7 43 | 3 56 | 25 3 | 1 40 | 21 46 | 0 13 | 0 39 | 0 38 | 22 50 | 1 6 | 16 34 | 1 20 | 24 24 | 0 32 | 1 50 | 2 8 | 36 24 | 14 58 | 8 38 | 8 24 | 7 37 | | n.a. |
| S 8 | 23 54 | 3 50 | 3 10 | 25 15 | 1 44 | 22 1 | 0 10 | 0 26 | 0 39 | 22 47 | 1 6 | 16 36 | 1 20 | 24 24 | 0 32 | 1 50 | 2 8 | 36 24 | 14 58 | 8 36 | 8 23 | 7 39 | | n.a. |
| S 9 | 23 52 | 0n 8 | 2 16 | 25 26 | 1 47 | 22 15 | 0 8 | 0 13 | 0 39 | 22 45 | 1 6 | 16 38 | 1 20 | 24 25 | 0 33 | 1 50 | 2 8 | 36 25 | 14 59 | 8 36 | 8 22 | 7 40 | | n.a. |
| M10 | 23 51 | 4 2 | 1 17 | 25 34 | 1 50 | 22 29 | 0 5 | 0n 0 | 0 40 | 22 42 | 1 6 | 16 39 | 1 20 | 24 25 | 0 33 | 1 50 | 2 8 | 36 25 | 14 59 | 8 35 | 8 21 | 7 42 | | n.a. |
| T 11 | 23 48 | 7 45 | 0 15 | 25 42 | 1 53 | 22 42 | 0 2 | 0 14 | 0 41 | 22 40 | 1 6 | 16 41 | 1 20 | 24 25 | 0 33 | 1 50 | 2 8 | 36 26 | 14 59 | 8 36 | 8 19 | 7 44 | | n.a. |
| W12 | 23 45 | 11 11 | 0 s48 | 25 47 | 1 55 | 22 54 | 0 s 0 | 0 27 | 0 42 | 22 37 | 1 6 | 16 42 | 1 20 | 24 25 | 0 33 | 1 50 | 2 8 | 36 26 | 14 59 | 8 35 | 8 18 | 7 46 | | n.a. |
| T 13 | 23 42 | 14 12 | 1 49 | 25 51 | 1 57 | 23 5 | 0 3 | 0 41 | 0 42 | 22 35 | 1 6 | 16 44 | 1 20 | 24 25 | 0 33 | 1 50 | 2 8 | 36 27 | 15 0 | 8 35 | 8 17 | 7 48 | | n.a. |
| F 14 | 23 39 | 16 38 | 2 46 | 25 53 | 1 58 | 23 16 | 0 6 | 0 54 | 0 43 | 22 32 | 1 6 | 16 45 | 1 21 | 24 25 | 0 33 | 1 50 | 2 8 | 36 27 | 15 0 | 8 33 | 8 16 | 7 49 | | n.a. |
| S 15 | 23 34 | 18 22 | 3 36 | 25 53 | 1 59 | 23 26 | 0 8 | 1 8 | 0 44 | 22 29 | 1 6 | 16 47 | 1 21 | 24 25 | 0 33 | 1 50 | 2 8 | 36 28 | 15 0 | 8 30 | 8 15 | 7 51 | | n.a. |
| S 16 | 23 30 | 19 14 | 4 17 | 25 52 | 2 0 | 23 36 | 0 11 | 1 21 | 0 44 | 22 27 | 1 6 | 16 48 | 1 21 | 24 25 | 0 33 | 1 50 | 2 8 | 36 28 | 15 0 | 8 27 | 8 13 | 7 53 | | n.a. |
| M17 | 23 25 | 19 8 | 4 45 | 25 48 | 2 0 | 23 44 | 0 13 | 1 35 | 0 45 | 22 24 | 1 6 | 16 49 | 1 21 | 24 25 | 0 33 | 1 50 | 2 9 | 36 29 | 15 0 | 8 22 | 8 12 | 7 55 | | n.a. |
| T 18 | 23 19 | 18 0 | 4 59 | 25 42 | 1 59 | 23 52 | 0 16 | 1 48 | 0 46 | 22 21 | 1 6 | 16 51 | 1 21 | 24 25 | 0 33 | 1 50 | 2 9 | 36 29 | 15 1 | 8 17 | 8 11 | 7 56 | | n.a. |
| W19 | 23 13 | 15 52 | 4 57 | 25 34 | 1 58 | 24 0 | 0 18 | 2 2 | 0 46 | 22 18 | 1 6 | 16 52 | 1 21 | 24 25 | 0 33 | 1 50 | 2 9 | 36 30 | 15 1 | 8 12 | 8 10 | 7 58 | | n.a. |
| T 20 | 23 7 | 12 49 | 4 38 | 25 24 | 1 57 | 24 6 | 0 21 | 2 15 | 0 47 | 22 16 | 1 6 | 16 54 | 1 21 | 24 25 | 0 33 | 1 50 | 2 9 | 36 30 | 15 1 | 8 8 | 8 9 | 8 0 | | n.a. |
| F 21 | 23 0 | 9 2 | 4 2 | 25 11 | 1 55 | 24 12 | 0 23 | 2 29 | 0 48 | 22 13 | 1 6 | 16 55 | 1 21 | 24 25 | 0 33 | 1 50 | 2 9 | 36 30 | 15 1 | 8 4 | 8 7 | 8 1 | | n.a. |
| S 22 | 22 53 | 4 43 | 3 12 | 24 57 | 1 53 | 24 17 | 0 26 | 2 43 | 0 48 | 22 10 | 1 6 | 16 56 | 1 21 | 24 25 | 0 33 | 1 50 | 2 9 | 36 31 | 15 1 | 8 2 | 8 6 | 8 3 | | n.a. |
| S 23 | 22 45 | 0 7 | 2 9 | 24 40 | 1 50 | 24 22 | 0 28 | 2 56 | 0 49 | 22 7 | 1 6 | 16 57 | 1 21 | 24 26 | 0 33 | 1 50 | 2 9 | 36 31 | 15 1 | 8 1 | 8 5 | 8 5 | | n.a. |
| M24 | 22 37 | 4 s30 | 0 59 | 24 21 | 1 46 | 24 25 | 0 31 | 3 10 | 0 50 | 22 4 | 1 6 | 16 59 | 1 21 | 24 26 | 0 33 | 1 51 | 2 9 | 36 32 | 15 1 | 8 0 | 8 4 | 8 7 | | n.a. |
| T 25 | 22 28 | 8 52 | 0n15 | 23 59 | 1 42 | 24 28 | 0 33 | 3 24 | 0 50 | 22 1 | 1 6 | 17 0 | 1 21 | 24 26 | 0 33 | 1 51 | 2 9 | 36 32 | 15 2 | 8 0 | 8 2 | 8 8 | | n.a. |
| W26 | 22 19 | 12 45 | 1 29 | 23 36 | 1 37 | 24 30 | 0 35 | 3 37 | 0 51 | 21 58 | 1 6 | 17 1 | 1 21 | 24 26 | 0 33 | 1 51 | 2 9 | 36 33 | 15 2 | 8 0 | 8 1 | 8 10 | | n.a. |
| T 27 | 22 10 | 15 54 | 2 36 | 23 10 | 1 32 | 24 32 | 0 37 | 3 51 | 0 51 | 21 55 | 1 6 | 17 2 | 1 21 | 24 26 | 0 33 | 1 51 | 2 9 | 36 33 | 15 2 | 7 59 | 8 0 | 8 12 | | n.a. |
| F 28 | 22 0 | 18 5 | 3 35 | 22 41 | 1 26 | 24 32 | 0 40 | 4 5 | 0 52 | 21 52 | 1 6 | 17 3 | 1 21 | 24 26 | 0 33 | 1 51 | 2 9 | 36 33 | 15 2 | 7 58 | 7 59 | 8 14 | | n.a. |
| S 29 | 21 50 | 19 10 | 4 19 | 22 11 | 1 19 | 24 32 | 0 42 | 4 19 | 0 52 | 21 49 | 1 6 | 17 5 | 1 21 | 24 26 | 0 33 | 1 51 | 2 9 | 36 34 | 15 2 | 7 55 | 7 58 | 8 15 | | n.a. |
| S 30 | 21 40 | 19 5 | 4 48 | 21 38 | 1 12 | 24 31 | 0 44 | 4 33 | 0 53 | 21 46 | 1 6 | 17 6 | 1 21 | 24 26 | 0 33 | 1 52 | 2 9 | 36 34 | 15 2 | 7 51 | 7 56 | 8 17 | | n.a. |
| M31 | 21 s29 | 17 s53 | 5n 0 | 21 s 3 | 1 s 4 | 24 s30 | 0 s46 | 4n46 | 0n54 | 21 s43 | 1 s 6 | 17 s 7 | 1n21 | 24n26 | 0n33 | 1n52 | 2n10 | 36n35 | 15n 2 | 7 s46 | 7 s55 | 8n19 | | n.a. |

Julian Day Number = 995306.5, Delta T = 12h57m37s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'54, Lahiri = -31°21'54 Julian Calendar 1 Jan. 1988 BCE == Greg. Calendar 15 Dec. 1989 BCE

The year -1987 astronomical counting style corresponds to year 1988 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## FEBRUARY 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 37 31 | 26♉26'09 | 0♒12 | 4♒24 | 8♉19 | 10♈21 | 29♉51 | 21♏16 | 2°R45 | 0°R16 | 23°R36 | 19°R15 | 19♎48 | 21♈17 | n.a. | T 1 |
| W 2 | 7 41 28 | 27°25'39 | 13°21 | 6°23 | 9°33 | 10°54 | 0♒ 5 | 21°20 | 2♋42 | 0♎15 | 23♋34 | 19♎ 2 | 19°45 | 21°24 | n.a. | W 2 |
| T 3 | 7 45 25 | 28°25'07 | 26°11 | 8°21 | 10°47 | 11°27 | 0°19 | 21°24 | 2°40 | 0°15 | 23°32 | 18°52 | 19°42 | 21°31 | n.a. | T 3 |
| F 4 | 7 49 21 | 29°24'32 | 8♓43 | 10°18 | 12° 1 | 12° 1 | 0°34 | 21°28 | 2°38 | 0°14 | 23°31 | 18°43 | 19°39 | 21°37 | n.a. | F 4 |
| S 5 | 7 53 18 | 0♒23'55 | 20°58 | 12°14 | 13°15 | 12°34 | 0°48 | 21°32 | 2°35 | 0°13 | 23°29 | 18°38 | 19°36 | 21°44 | n.a. | S 5 |
| S 6 | 7 57 14 | 1°23'15 | 2♈59 | 14° 8 | 14°29 | 13° 8 | 1° 3 | 21°36 | 2°33 | 0°13 | 23°28 | 18°35 | 19°33 | 21°51 | n.a. | S 6 |
| M 7 | 8 1 11 | 2°22'33 | 14°52 | 16° 0 | 15°43 | 13°42 | 1°17 | 21°39 | 2°31 | 0°12 | 23°26 | 18°D34 | 19°29 | 21°57 | n.a. | M 7 |
| T 8 | 8 5 7 | 3°21'49 | 26°40 | 17°49 | 16°57 | 14°15 | 1°31 | 21°43 | 2°29 | 0°11 | 23°24 | 18°34 | 19°26 | 22° 4 | n.a. | T 8 |
| W 9 | 8 9 4 | 4°21'02 | 8♉29 | 19°36 | 18°11 | 14°49 | 1°46 | 21°47 | 2°27 | 0°11 | 23°23 | 18°R34 | 19°23 | 22°10 | n.a. | W 9 |
| T 10 | 8 13 0 | 5°20'12 | 20°25 | 21°18 | 19°25 | 15°23 | 2° 0 | 21°50 | 2°25 | 0°10 | 23°21 | 18°33 | 19°20 | 22°17 | n.a. | T 10 |
| F 11 | 8 16 57 | 6°19'20 | 2♊32 | 22°57 | 20°39 | 15°57 | 2°15 | 21°54 | 2°23 | 0° 9 | 23°20 | 18°30 | 19°17 | 22°24 | n.a. | F 11 |
| S 12 | 8 20 53 | 7°18'26 | 14°56 | 24°32 | 21°53 | 16°31 | 2°29 | 21°57 | 2°21 | 0° 8 | 23°18 | 18°24 | 19°14 | 22°30 | n.a. | S 12 |
| S 13 | 8 24 50 | 8°17'29 | 27°41 | 26° 2 | 23° 7 | 17° 5 | 2°43 | 22° 0 | 2°19 | 0° 8 | 23°17 | 18°16 | 19°10 | 22°37 | n.a. | S 13 |
| M14 | 8 28 47 | 9°16'30 | 10♋48 | 27°27 | 24°21 | 17°39 | 2°58 | 22° 3 | 2°17 | 0° 7 | 23°15 | 18° 7 | 19° 7 | 22°44 | n.a. | M14 |
| T 15 | 8 32 43 | 10°15'29 | 24°17 | 28°47 | 25°35 | 18°13 | 3°12 | 22° 6 | 2°15 | 0° 6 | 23°14 | 17°56 | 19° 4 | 22°50 | n.a. | T 15 |
| W16 | 8 36 40 | 11°14'25 | 8♌ 6 | 0♓ 1 | 26°49 | 18°47 | 3°26 | 22° 9 | 2°13 | 0° 5 | 23°12 | 17°45 | 19° 1 | 22°57 | n.a. | W16 |
| T 17 | 8 40 36 | 12°13'19 | 22°13 | 1° 9 | 28° 3 | 19°21 | 3°41 | 22°12 | 2°11 | 0° 4 | 23°11 | 17°35 | 18°58 | 23° 4 | n.a. | T 17 |
| F 18 | 8 44 33 | 13°12'10 | 6♍31 | 2°11 | 29°17 | 19°56 | 3°55 | 22°15 | 2° 9 | 0° 3 | 23° 9 | 17°27 | 18°54 | 23°10 | n.a. | F 18 |
| S 19 | 8 48 29 | 14°11'00 | 20°55 | 3° 7 | 0♒30 | 20°30 | 4° 9 | 22°18 | 2° 8 | 0° 2 | 23° 8 | 17°22 | 18°51 | 23°17 | n.a. | S 19 |
| S 20 | 8 52 26 | 15° 9'48 | 5♎19 | 3°57 | 1°44 | 21° 4 | 4°24 | 22°21 | 2° 6 | 0° 1 | 23° 6 | 17°19 | 18°48 | 23°24 | n.a. | S 20 |
| M21 | 8 56 22 | 16° 8'33 | 19°41 | 4°39 | 2°58 | 21°39 | 4°38 | 22°23 | 2° 4 | 0° 0 | 23° 5 | 17°D19 | 18°45 | 23°30 | n.a. | M21 |
| T 22 | 9 0 19 | 17° 7'17 | 3♏55 | 5°16 | 4°12 | 22°13 | 4°52 | 22°26 | 2° 2 | 29♍59 | 23° 3 | 17°19 | 18°42 | 23°37 | n.a. | T 22 |
| W23 | 9 4 15 | 18° 6'00 | 18° 2 | 5°45 | 5°26 | 22°48 | 5° 6 | 22°28 | 2° 1 | 29°58 | 23° 2 | 17°R20 | 18°39 | 23°44 | n.a. | W23 |
| T 24 | 9 8 12 | 19° 4'40 | 2♐ 0 | 6° 8 | 6°40 | 23°22 | 5°20 | 22°30 | 1°59 | 29°57 | 23° 0 | 17°19 | 18°35 | 23°50 | n.a. | T 24 |
| F 25 | 9 12 9 | 20° 3'18 | 15°48 | 6°24 | 7°54 | 23°57 | 5°35 | 22°33 | 1°58 | 29°56 | 22°59 | 17°16 | 18°32 | 23°57 | n.a. | F 25 |
| S 26 | 9 16 5 | 21° 1'55 | 29°26 | 6°34 | 9° 8 | 24°32 | 5°49 | 22°35 | 1°56 | 29°55 | 22°58 | 17°11 | 18°29 | 24° 3 | n.a. | S 26 |
| S 27 | 9 20 2 | 22° 0'30 | 12♉53 | 6°R37 | 10°22 | 25° 6 | 6° 3 | 22°37 | 1°55 | 29°53 | 22°56 | 17° 4 | 18°26 | 24°10 | n.a. | S 27 |
| M28 | 9 23 58 | 22♒59'03 | 26♉ 8 | 6♓34 | 11♒35 | 25♈41 | 6♒17 | 22♏39 | 1♋54 | 29♍52 | 22♋55 | 16♎55 | 18♎23 | 24♈17 | n.a. | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s17 | 15s43 | 4n55 | 20s26 | 0s55 | 24s27 | 0s48 | 5n 0 | 0n54 | 21s40 | 1s 6 | 17s 8 | 1n21 | 24n26 | 0n33 | 1n52 | 2n10 | 36n35 | 15n 2 | 7s41 | 7s54 | 8n21 | | n.a. |
| W 2 | 21 6 | 12 46 | 4 34 | 19 48 | 0 46 | 24 24 | 0 50 | 5 14 | 0 55 | 21 37 | 1 6 | 17 9 | 1 21 | 24 26 | 0 33 | 1 52 | 2 10 | 36 35 | 15 2 | 7 36 | 7 53 | 8 22 | | n.a. |
| T 3 | 20 53 | 9 17 | 4 0 | 19 7 | 0 36 | 24 20 | 0 52 | 5 28 | 0 55 | 21 34 | 1 6 | 17 10 | 1 21 | 24 26 | 0 33 | 1 53 | 2 10 | 36 36 | 15 2 | 7 32 | 7 51 | 8 24 | | n.a. |
| F 4 | 20 41 | 5 28 | 3 15 | 18 26 | 0 26 | 24 16 | 0 54 | 5 41 | 0 56 | 21 31 | 1 6 | 17 11 | 1 21 | 24 26 | 0 33 | 1 53 | 2 10 | 36 36 | 15 2 | 7 29 | 7 50 | 8 26 | | n.a. |
| S 5 | 20 28 | 1 30 | 2 21 | 17 43 | 0 15 | 24 10 | 0 56 | 5 55 | 0 56 | 21 28 | 1 6 | 17 12 | 1 21 | 24 26 | 0 33 | 1 53 | 2 10 | 36 36 | 15 2 | 7 26 | 7 49 | 8 27 | | n.a. |
| S 6 | 20 15 | 2n27 | 1 22 | 16 58 | 0 3 | 24 4 | 0 58 | 6 9 | 0 57 | 21 25 | 1 7 | 17 13 | 1 21 | 24 26 | 0 33 | 1 54 | 2 10 | 36 37 | 15 2 | 7 25 | 7 48 | 8 29 | | n.a. |
| M 7 | 20 2 | 6 16 | 0 20 | 16 14 | 0n 8 | 23 57 | 0 59 | 6 23 | 0 57 | 21 21 | 1 7 | 17 14 | 1 22 | 24 26 | 0 33 | 1 54 | 2 10 | 36 37 | 15 2 | 7 25 | 7 46 | 8 31 | | n.a. |
| T 8 | 19 48 | 9 49 | 0s43 | 15 28 | 0 21 | 23 50 | 1 1 | 6 37 | 0 57 | 21 18 | 1 7 | 17 15 | 1 22 | 24 26 | 0 33 | 1 54 | 2 10 | 36 37 | 15 2 | 7 25 | 7 45 | 8 33 | | n.a. |
| W 9 | 19 33 | 12 59 | 1 44 | 14 43 | 0 33 | 23 42 | 1 3 | 6 50 | 0 58 | 21 15 | 1 7 | 17 16 | 1 22 | 24 26 | 0 33 | 1 55 | 2 10 | 36 37 | 15 2 | 7 25 | 7 44 | 8 34 | | n.a. |
| T 10 | 19 19 | 15 38 | 2 41 | 13 58 | 0 46 | 23 33 | 1 4 | 7 4 | 0 58 | 21 12 | 1 7 | 17 17 | 1 22 | 24 26 | 0 33 | 1 55 | 2 10 | 36 38 | 15 2 | 7 25 | 7 43 | 8 36 | | n.a. |
| F 11 | 19 4 | 17 38 | 3 32 | 13 13 | 0 59 | 23 23 | 1 6 | 7 18 | 0 59 | 21 8 | 1 7 | 17 17 | 1 22 | 24 26 | 0 33 | 1 55 | 2 10 | 36 38 | 15 2 | 7 23 | 7 42 | 8 38 | | n.a. |
| S 12 | 18 49 | 18 51 | 4 13 | 12 29 | 1 12 | 23 13 | 1 7 | 7 32 | 0 59 | 21 5 | 1 7 | 17 18 | 1 22 | 24 26 | 0 33 | 1 56 | 2 10 | 36 38 | 15 2 | 7 21 | 7 40 | 8 39 | | n.a. |
| S 13 | 18 33 | 19 10 | 4 44 | 11 46 | 1 25 | 23 2 | 1 9 | 7 45 | 1 0 | 21 2 | 1 7 | 17 19 | 1 22 | 24 26 | 0 32 | 1 56 | 2 10 | 36 39 | 15 2 | 7 18 | 7 39 | 8 41 | | n.a. |
| M14 | 18 18 | 18 29 | 5 0 | 11 5 | 1 38 | 22 50 | 1 10 | 7 59 | 1 0 | 20 59 | 1 7 | 17 20 | 1 22 | 24 27 | 0 32 | 1 56 | 2 10 | 36 39 | 15 2 | 7 14 | 7 38 | 8 43 | | n.a. |
| T 15 | 18 1 | 16 45 | 5 1 | 10 25 | 1 50 | 22 38 | 1 12 | 8 13 | 1 0 | 20 55 | 1 7 | 17 21 | 1 22 | 24 27 | 0 32 | 1 57 | 2 11 | 36 39 | 15 2 | 7 10 | 7 37 | 8 44 | | n.a. |
| W16 | 17 45 | 14 2 | 4 44 | 9 47 | 2 3 | 22 24 | 1 13 | 8 26 | 1 1 | 20 52 | 1 7 | 17 21 | 1 22 | 24 27 | 0 32 | 1 57 | 2 11 | 36 39 | 15 2 | 7 6 | 7 35 | 8 46 | | n.a. |
| T 17 | 17 28 | 10 27 | 4 10 | 9 12 | 2 14 | 22 11 | 1 14 | 8 40 | 1 1 | 20 49 | 1 7 | 17 22 | 1 22 | 24 27 | 0 32 | 1 58 | 2 11 | 36 39 | 15 2 | 7 2 | 7 34 | 8 48 | | n.a. |
| F 18 | 17 11 | 6 13 | 3 20 | 8 38 | 2 26 | 21 56 | 1 15 | 8 53 | 1 2 | 20 45 | 1 7 | 17 23 | 1 22 | 24 27 | 0 32 | 1 58 | 2 11 | 36 40 | 15 2 | 6 59 | 7 33 | 8 50 | | n.a. |
| S 19 | 16 54 | 1 36 | 2 16 | 8 8 | 2 37 | 21 41 | 1 16 | 9 7 | 1 2 | 20 42 | 1 7 | 17 23 | 1 22 | 24 27 | 0 32 | 1 59 | 2 11 | 36 40 | 15 1 | 6 57 | 7 32 | 8 51 | | n.a. |
| S 20 | 16 37 | 3s 8 | 1 4 | 7 41 | 2 47 | 21 26 | 1 17 | 9 21 | 1 2 | 20 38 | 1 8 | 17 24 | 1 22 | 24 27 | 0 32 | 1 59 | 2 11 | 36 40 | 15 1 | 6 56 | 7 31 | 8 53 | | n.a. |
| M21 | 16 19 | 7 39 | 0n13 | 7 16 | 2 56 | 21 9 | 1 18 | 9 34 | 1 3 | 20 35 | 1 8 | 17 25 | 1 22 | 24 27 | 0 32 | 2 0 | 2 11 | 36 40 | 15 1 | 6 56 | 7 29 | 8 55 | | n.a. |
| T 22 | 16 1 | 11 42 | 1 28 | 6 55 | 3 4 | 20 53 | 1 19 | 9 48 | 1 3 | 20 32 | 1 8 | 17 25 | 1 22 | 24 27 | 0 32 | 2 0 | 2 11 | 36 40 | 15 1 | 6 56 | 7 28 | 8 56 | | n.a. |
| W23 | 15 43 | 15 2 | 2 37 | 6 37 | 3 12 | 20 35 | 1 20 | 10 1 | 1 3 | 20 28 | 1 8 | 17 26 | 1 23 | 24 27 | 0 32 | 2 1 | 2 11 | 36 40 | 15 1 | 6 56 | 7 27 | 8 58 | | n.a. |
| T 24 | 15 24 | 17 27 | 3 36 | 6 23 | 3 18 | 20 17 | 1 21 | 10 14 | 1 4 | 20 25 | 1 8 | 17 26 | 1 23 | 24 27 | 0 32 | 2 1 | 2 11 | 36 41 | 15 1 | 6 56 | 7 26 | 9 0 | | n.a. |
| F 25 | 15 5 | 18 49 | 4 21 | 6 12 | 3 24 | 19 59 | 1 22 | 10 28 | 1 4 | 20 21 | 1 8 | 17 27 | 1 23 | 24 27 | 0 32 | 2 2 | 2 11 | 36 41 | 15 1 | 6 55 | 7 24 | 9 1 | | n.a. |
| S 26 | 14 46 | 19 4 | 4 51 | 6 4 | 3 28 | 19 39 | 1 22 | 10 41 | 1 4 | 20 18 | 1 8 | 17 27 | 1 23 | 24 27 | 0 32 | 2 2 | 2 11 | 36 41 | 15 1 | 6 53 | 7 23 | 9 3 | | n.a. |
| S 27 | 14 27 | 18 13 | 5 5 | 6 1 | 3 31 | 19 20 | 1 23 | 10 54 | 1 5 | 20 14 | 1 8 | 17 28 | 1 23 | 24 27 | 0 32 | 2 3 | 2 11 | 36 41 | 15 0 | 6 50 | 7 22 | 9 5 | | n.a. |
| M28 | 14s 8 | 16s24 | 5n 2 | 6s 0 | 3n32 | 18s59 | 1s24 | 11n 8 | 1n 5 | 20s11 | 1s 8 | 17s28 | 1n23 | 24n27 | 0n32 | 2n 3 | 2n11 | 36n41 | 15n 0 | 6s47 | 7s21 | 9n 6 | | n.a. |

Julian Day Number = 995337.5, Delta T = 12h57m35s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'50, Lahiri = -31°21'50 Julian Calendar 1 Feb. 1988 BCE == Greg. Calendar 15 Jan. 1988 BCE


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## MARCH 1988 BCE (-1987) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 27 55 | 23♒57'34 | 9♒11 | 6°R24 | 12♒49 | 26♈16 | 6♒31 | 22♏40 | 1°R52 | 29°R51 | 22°R54 | 16°R45 | 18♎19 | 24♈23 | n.a. | T 1 |
| W 2 | 9 31 51 | 24°56'02 | 22° 0 | 6♓ 9 | 14° 3 | 26°51 | 6°45 | 22°42 | 1♋51 | 29♍50 | 22♋52 | 16♎36 | 18°16 | 24°30 | n.a. | W 2 |
| T 3 | 9 35 48 | 25°54'29 | 4♓34 | 5°49 | 15°17 | 27°26 | 6°59 | 22°44 | 1°50 | 29°49 | 22°51 | 16°28 | 18°13 | 24°37 | n.a. | T 3 |
| F 4 | 9 39 44 | 26°52'54 | 16°54 | 5°24 | 16°31 | 28° 0 | 7°13 | 22°45 | 1°49 | 29°47 | 22°50 | 16°22 | 18°10 | 24°43 | n.a. | F 4 |
| S 5 | 9 43 41 | 27°51'16 | 29° 2 | 4°54 | 17°45 | 28°35 | 7°27 | 22°47 | 1°47 | 29°46 | 22°49 | 16°18 | 18° 7 | 24°50 | n.a. | S 5 |
| S 6 | 9 47 37 | 28°49'37 | 11♈ 0 | 4°21 | 18°59 | 29°10 | 7°41 | 22°48 | 1°46 | 29°45 | 22°47 | 16°D17 | 18° 4 | 24°57 | n.a. | S 6 |
| M 7 | 9 51 34 | 29°47'55 | 22°51 | 3°45 | 20°12 | 29°45 | 7°55 | 22°49 | 1°45 | 29°43 | 22°46 | 16°17 | 18° 0 | 25° 3 | n.a. | M 7 |
| T 8 | 9 55 31 | 0♓46'11 | 4♉38 | 3° 6 | 21°26 | 0♉21 | 8° 8 | 22°51 | 1°44 | 29°42 | 22°45 | 16°18 | 17°57 | 25°10 | n.a. | T 8 |
| W 9 | 9 59 27 | 1°44'25 | 16°27 | 2°26 | 22°40 | 0°56 | 8°22 | 22°52 | 1°43 | 29°41 | 22°44 | 16°19 | 17°54 | 25°17 | n.a. | W 9 |
| T 10 | 10 3 24 | 2°42'37 | 28°22 | 1°44 | 23°54 | 1°31 | 8°36 | 22°53 | 1°43 | 29°39 | 22°43 | 16°R20 | 17°51 | 25°23 | n.a. | T 10 |
| F 11 | 10 7 20 | 3°40'46 | 10♊30 | 1° 3 | 25° 8 | 2° 6 | 8°50 | 22°53 | 1°42 | 29°38 | 22°41 | 16°20 | 17°48 | 25°30 | n.a. | F 11 |
| S 12 | 10 11 17 | 4°38'54 | 22°54 | 0°22 | 26°21 | 2°41 | 9° 3 | 22°54 | 1°41 | 29°36 | 22°40 | 16°18 | 17°45 | 25°37 | n.a. | S 12 |
| S 13 | 10 15 13 | 5°36'59 | 5♋39 | 29♒43 | 27°35 | 3°17 | 9°17 | 22°55 | 1°40 | 29°35 | 22°39 | 16°15 | 17°41 | 25°43 | n.a. | S 13 |
| M14 | 10 19 10 | 6°35'02 | 18°48 | 29° 5 | 28°49 | 3°52 | 9°31 | 22°55 | 1°40 | 29°33 | 22°38 | 16°10 | 17°38 | 25°50 | n.a. | M14 |
| T 15 | 10 23 6 | 7°33'03 | 2♌23 | 28°31 | 0♓ 3 | 4°27 | 9°44 | 22°56 | 1°39 | 29°32 | 22°37 | 16° 4 | 17°35 | 25°56 | n.a. | T 15 |
| W16 | 10 27 3 | 8°31'02 | 16°23 | 27°59 | 1°16 | 5° 3 | 9°58 | 22°56 | 1°38 | 29°31 | 22°36 | 15°58 | 17°32 | 26° 3 | n.a. | W16 |
| T 17 | 10 30 59 | 9°28'59 | 0♍44 | 27°30 | 2°30 | 5°38 | 10°11 | 22°57 | 1°38 | 29°29 | 22°35 | 15°53 | 17°29 | 26°10 | n.a. | T 17 |
| F 18 | 10 34 56 | 10°26'55 | 15°23 | 27° 6 | 3°44 | 6°13 | 10°24 | 22°57 | 1°37 | 29°28 | 22°34 | 15°49 | 17°25 | 26°16 | n.a. | F 18 |
| S 19 | 10 38 53 | 11°24'48 | 0♎10 | 26°46 | 4°58 | 6°49 | 10°38 | 22°R57 | 1°37 | 29°26 | 22°33 | 15°46 | 17°22 | 26°23 | n.a. | S 19 |
| S 20 | 10 42 49 | 12°22'40 | 15° 0 | 26°30 | 6°11 | 7°24 | 10°51 | 22°57 | 1°37 | 29°24 | 22°32 | 15°D46 | 17°19 | 26°30 | n.a. | S 20 |
| M21 | 10 46 46 | 13°20'30 | 29°44 | 26°19 | 7°25 | 8° 0 | 11° 4 | 22°57 | 1°36 | 29°23 | 22°31 | 15°46 | 17°16 | 26°36 | n.a. | M21 |
| T 22 | 10 50 42 | 14°18'19 | 14♏18 | 26°13 | 8°39 | 8°35 | 11°17 | 22°57 | 1°36 | 29°21 | 22°31 | 15°47 | 17°13 | 26°43 | n.a. | T 22 |
| W23 | 10 54 39 | 15°16'07 | 28°37 | 26°D11 | 9°53 | 9°11 | 11°31 | 22°56 | 1°36 | 29°20 | 22°30 | 15°49 | 17°10 | 26°50 | n.a. | W23 |
| T 24 | 10 58 35 | 16°13'53 | 12♐39 | 26°15 | 11° 6 | 9°47 | 11°44 | 22°56 | 1°36 | 29°18 | 22°29 | 15°R50 | 17° 6 | 26°56 | n.a. | T 24 |
| F 25 | 11 2 32 | 17°11'38 | 26°23 | 26°23 | 12°20 | 10°22 | 11°57 | 22°55 | 1°36 | 29°17 | 22°28 | 15°49 | 17° 3 | 27° 3 | n.a. | F 25 |
| S 26 | 11 6 28 | 18° 9'22 | 9♑51 | 26°35 | 13°34 | 10°58 | 12°10 | 22°55 | 1°D36 | 29°15 | 22°27 | 15°48 | 17° 0 | 27°10 | n.a. | S 26 |
| S 27 | 11 10 25 | 19° 7'04 | 23° 2 | 26°52 | 14°47 | 11°34 | 12°23 | 22°54 | 1°36 | 29°14 | 22°27 | 15°45 | 16°57 | 27°16 | n.a. | S 27 |
| M28 | 11 14 21 | 20° 4'45 | 5♒58 | 27°14 | 16° 1 | 12° 9 | 12°35 | 22°53 | 1°36 | 29°12 | 22°26 | 15°42 | 16°54 | 27°23 | n.a. | M28 |
| T 29 | 11 18 18 | 21° 2'25 | 18°40 | 27°40 | 17°15 | 12°45 | 12°48 | 22°52 | 1°36 | 29°10 | 22°25 | 15°38 | 16°51 | 27°30 | n.a. | T 29 |
| W30 | 11 22 15 | 22° 0'03 | 1♓ 9 | 28°10 | 18°29 | 13°21 | 13° 1 | 22°51 | 1°36 | 29° 9 | 22°25 | 15°34 | 16°47 | 27°36 | n.a. | W30 |
| T 31 | 11 26 11 | 22♓57'40 | 13♓26 | 28♒44 | 19♓42 | 13♉57 | 13♒13 | 22♏50 | 1♋36 | 29♍ 7 | 22♋24 | 15♎31 | 16♎44 | 27♈43 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 13 s48 | 13 s46 | 4n43 | 6 s 4 | 3n32 | 18 s39 | 1 s24 | 11n21 | 1n 5 | 20 s 7 | 1 s 8 | 17 s28 | 1n23 | 24n27 | 0n32 | 2n 4 | 2n11 | 36n41 | 15n 0 | 6 s43 | 7 s19 | 9n 8 | | | n.a. |
| W 2 | 13 28 | 10 31 | 4 10 | 6 11 | 3 30 | 18 17 | 1 25 | 11 34 | 1 6 | 20 4 | 1 9 | 17 29 | 1 23 | 24 27 | 0 32 | 2 4 | 2 11 | 36 41 | 15 0 | 6 39 | 7 18 | 9 10 | | | n.a. |
| T 3 | 13 8 | 6 51 | 3 25 | 6 21 | 3 27 | 17 56 | 1 25 | 11 47 | 1 6 | 20 0 | 1 9 | 17 29 | 1 23 | 24 27 | 0 32 | 2 5 | 2 11 | 36 41 | 15 0 | 6 36 | 7 17 | 9 11 | | | n.a. |
| F 4 | 12 48 | 2 57 | 2 32 | 6 35 | 3 23 | 17 33 | 1 25 | 12 0 | 1 6 | 19 57 | 1 9 | 17 30 | 1 23 | 24 27 | 0 32 | 2 5 | 2 11 | 36 41 | 14 59 | 6 34 | 7 16 | 9 13 | | | n.a. |
| S 5 | 12 28 | 1n 1 | 1 32 | 6 51 | 3 17 | 17 10 | 1 25 | 12 13 | 1 7 | 19 53 | 1 9 | 17 30 | 1 23 | 24 27 | 0 32 | 2 6 | 2 11 | 36 41 | 14 59 | 6 32 | 7 15 | 9 15 | | | n.a. |
| S 6 | 12 7 | 4 52 | 0 29 | 7 11 | 3 9 | 16 47 | 1 26 | 12 26 | 1 7 | 19 50 | 1 9 | 17 30 | 1 23 | 24 27 | 0 32 | 2 6 | 2 11 | 36 41 | 14 59 | 6 32 | 7 13 | 9 16 | | | n.a. |
| M 7 | 11 46 | 8 30 | 0s36 | 7 32 | 3 0 | 16 24 | 1 26 | 12 39 | 1 7 | 19 46 | 1 9 | 17 30 | 1 23 | 24 27 | 0 32 | 2 7 | 2 11 | 36 41 | 14 59 | 6 32 | 7 12 | 9 18 | | | n.a. |
| T 8 | 11 25 | 11 47 | 1 38 | 7 56 | 2 50 | 15 59 | 1 26 | 12 52 | 1 7 | 19 43 | 1 9 | 17 31 | 1 23 | 24 27 | 0 32 | 2 8 | 2 12 | 36 41 | 14 59 | 6 32 | 7 11 | 9 20 | | | n.a. |
| W 9 | 11 4 | 14 36 | 2 36 | 8 21 | 2 38 | 15 35 | 1 26 | 13 5 | 1 8 | 19 39 | 1 9 | 17 31 | 1 23 | 24 27 | 0 32 | 2 8 | 2 12 | 36 41 | 14 58 | 6 33 | 7 10 | 9 21 | | | n.a. |
| T 10 | 10 43 | 16 49 | 3 29 | 8 48 | 2 26 | 15 10 | 1 26 | 13 18 | 1 8 | 19 35 | 1 9 | 17 31 | 1 24 | 24 27 | 0 32 | 2 9 | 2 12 | 36 41 | 14 58 | 6 33 | 7 8 | 9 23 | | | n.a. |
| F 11 | 10 21 | 18 19 | 4 12 | 9 16 | 2 12 | 14 45 | 1 26 | 13 30 | 1 8 | 19 32 | 1 10 | 17 31 | 1 24 | 24 27 | 0 32 | 2 9 | 2 12 | 36 41 | 14 58 | 6 33 | 7 7 | 9 25 | | | n.a. |
| S 12 | 10 0 | 18 59 | 4 45 | 9 44 | 1 57 | 14 19 | 1 25 | 13 43 | 1 8 | 19 28 | 1 10 | 17 31 | 1 24 | 24 27 | 0 32 | 2 10 | 2 12 | 36 41 | 14 58 | 6 32 | 7 6 | 9 26 | | | n.a. |
| S 13 | 9 38 | 18 43 | 5 6 | 10 13 | 1 42 | 13 53 | 1 25 | 13 56 | 1 9 | 19 25 | 1 10 | 17 31 | 1 24 | 24 27 | 0 32 | 2 11 | 2 12 | 36 41 | 14 57 | 6 31 | 7 5 | 9 28 | | | n.a. |
| M14 | 9 16 | 17 27 | 5 10 | 10 41 | 1 26 | 13 26 | 1 25 | 14 8 | 1 9 | 19 21 | 1 10 | 17 31 | 1 24 | 24 27 | 0 32 | 2 11 | 2 12 | 36 41 | 14 57 | 6 29 | 7 3 | 9 30 | | | n.a. |
| T 15 | 8 54 | 15 11 | 4 58 | 11 8 | 1 10 | 13 0 | 1 24 | 14 21 | 1 9 | 19 18 | 1 10 | 17 32 | 1 24 | 24 27 | 0 32 | 2 12 | 2 12 | 36 41 | 14 57 | 6 27 | 7 2 | 9 31 | | | n.a. |
| W16 | 8 32 | 11 59 | 4 29 | 11 34 | 0 54 | 12 32 | 1 24 | 14 33 | 1 9 | 19 14 | 1 10 | 17 32 | 1 24 | 24 27 | 0 32 | 2 12 | 2 12 | 36 41 | 14 57 | 6 24 | 7 1 | 9 33 | | | n.a. |
| T 17 | 8 10 | 7 59 | 3 41 | 12 0 | 0 38 | 12 5 | 1 23 | 14 45 | 1 10 | 19 10 | 1 10 | 17 32 | 1 24 | 24 27 | 0 32 | 2 13 | 2 12 | 36 41 | 14 56 | 6 22 | 7 0 | 9 34 | | | n.a. |
| F 18 | 7 48 | 3 27 | 2 38 | 12 23 | 0 21 | 11 37 | 1 23 | 14 58 | 1 10 | 19 7 | 1 11 | 17 32 | 1 24 | 24 27 | 0 32 | 2 14 | 2 12 | 36 41 | 14 56 | 6 21 | 6 58 | 9 36 | | | n.a. |
| S 19 | 7 26 | 1s21 | 1 24 | 12 45 | 0 5 | 11 9 | 1 22 | 15 10 | 1 10 | 19 3 | 1 11 | 17 32 | 1 24 | 24 27 | 0 32 | 2 14 | 2 12 | 36 41 | 14 56 | 6 20 | 6 57 | 9 38 | | | n.a. |
| S 20 | 7 3 | 6 5 | 0 4 | 13 5 | 0s10 | 10 41 | 1 21 | 15 22 | 1 10 | 19 0 | 1 11 | 17 31 | 1 24 | 24 27 | 0 32 | 2 15 | 2 12 | 36 41 | 14 55 | 6 19 | 6 56 | 9 39 | | | n.a. |
| M21 | 6 40 | 10 25 | 1n16 | 13 23 | 0 25 | 10 12 | 1 21 | 15 34 | 1 11 | 18 56 | 1 11 | 17 31 | 1 24 | 24 27 | 0 32 | 2 16 | 2 12 | 36 40 | 14 55 | 6 20 | 6 55 | 9 41 | | | n.a. |
| T 22 | 6 18 | 14 4 | 2 30 | 13 39 | 0 40 | 9 43 | 1 20 | 15 46 | 1 11 | 18 53 | 1 11 | 17 31 | 1 24 | 24 27 | 0 32 | 2 16 | 2 12 | 36 40 | 14 55 | 6 20 | 6 53 | 9 43 | | | n.a. |
| W23 | 5 55 | 16 47 | 3 34 | 13 53 | 0 54 | 9 14 | 1 19 | 15 58 | 1 11 | 18 49 | 1 11 | 17 31 | 1 24 | 24 27 | 0 32 | 2 17 | 2 12 | 36 40 | 14 54 | 6 21 | 6 52 | 9 44 | | | n.a. |
| T 24 | 5 32 | 18 25 | 4 23 | 14 5 | 1 8 | 8 45 | 1 18 | 16 9 | 1 11 | 18 45 | 1 11 | 17 31 | 1 24 | 24 27 | 0 32 | 2 18 | 2 12 | 36 40 | 14 54 | 6 21 | 6 51 | 9 46 | | | n.a. |
| F 25 | 5 9 | 18 56 | 4 56 | 14 14 | 1 20 | 8 15 | 1 17 | 16 21 | 1 11 | 18 42 | 1 12 | 17 31 | 1 24 | 24 26 | 0 32 | 2 18 | 2 12 | 36 40 | 14 54 | 6 21 | 6 50 | 9 48 | | | n.a. |
| S 26 | 4 46 | 18 21 | 5 12 | 14 21 | 1 32 | 7 45 | 1 16 | 16 33 | 1 11 | 18 38 | 1 12 | 17 31 | 1 25 | 24 26 | 0 32 | 2 19 | 2 12 | 36 40 | 14 54 | 6 20 | 6 49 | 9 49 | | | n.a. |
| S 27 | 4 23 | 16 48 | 5 11 | 14 25 | 1 43 | 7 15 | 1 15 | 16 44 | 1 12 | 18 35 | 1 12 | 17 30 | 1 25 | 24 26 | 0 32 | 2 20 | 2 12 | 36 39 | 14 53 | 6 19 | 6 47 | 9 51 | | | n.a. |
| M28 | 4 0 | 14 24 | 4 55 | 14 27 | 1 54 | 6 45 | 1 14 | 16 56 | 1 12 | 18 31 | 1 12 | 17 30 | 1 25 | 24 26 | 0 32 | 2 20 | 2 12 | 36 39 | 14 53 | 6 18 | 6 46 | 9 52 | | | n.a. |
| T 29 | 3 37 | 11 22 | 4 24 | 14 27 | 2 3 | 6 15 | 1 12 | 17 7 | 1 12 | 18 28 | 1 12 | 17 30 | 1 25 | 24 26 | 0 32 | 2 21 | 2 12 | 36 39 | 14 53 | 6 16 | 6 45 | 9 54 | | | n.a. |
| W30 | 3 14 | 7 51 | 3 40 | 14 24 | 2 12 | 5 44 | 1 11 | 17 18 | 1 12 | 18 24 | 1 12 | 17 30 | 1 25 | 24 26 | 0 32 | 2 21 | 2 12 | 36 39 | 14 52 | 6 15 | 6 44 | 9 56 | | | n.a. |
| T 31 | 2 s51 | 4 s 4 | 2n48 | 14 s20 | 2 s20 | 5 s13 | 1 s10 | 17n29 | 1n12 | 18 s21 | 1 s13 | 17 s29 | 1n25 | 24n26 | 0n32 | 2n22 | 2n12 | 36n39 | 14n52 | 6 s14 | 6 s42 | 9n57 | | | n.a. |

Julian Day Number = 995365.5, Delta T = 12h57m33s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'46, Lahiri = -31°21'46 Julian Calendar 1 March 1988 BCE == Greg. Calendar 12 Feb. 1988 BCE

The year -1987 astronomical counting style corresponds to year 1988 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## APRIL 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 30 8 | 23♓55'15 | 25♓33 | 29♒22 | 20♓56 | 14♉33 | 13♒26 | 22°R49 | 1♋36 | 29°R 6 | 22°R23 | 15°R28 | 16♎41 | 27♈49 | n.a. | F 1 |
| S 2 | 11 34 4 | 24°52'49 | 7♈32 | 0♓ 4 | 22°10 | 15° 8 | 13°39 | 22♏48 | 1°37 | 29♍ 4 | 22♋23 | 15♎27 | 16°38 | 27°56 | n.a. | S 2 |
| S 3 | 11 38 1 | 25°50'22 | 19°24 | 0°50 | 23°23 | 15°44 | 13°51 | 22°47 | 1°37 | 29° 2 | 22°22 | 15°D27 | 16°35 | 28° 3 | n.a. | S 3 |
| M 4 | 11 41 57 | 26°47'53 | 1♉12 | 1°39 | 24°37 | 16°20 | 14° 3 | 22°45 | 1°38 | 29° 1 | 22°22 | 15°28 | 16°31 | 28° 9 | n.a. | M 4 |
| T 5 | 11 45 54 | 27°45'23 | 12°59 | 2°31 | 25°51 | 16°56 | 14°16 | 22°44 | 1°38 | 28°59 | 22°21 | 15°29 | 16°28 | 28°16 | n.a. | T 5 |
| W 6 | 11 49 50 | 28°42'51 | 24°49 | 3°27 | 27° 5 | 17°32 | 14°28 | 22°42 | 1°39 | 28°57 | 22°21 | 15°30 | 16°25 | 28°23 | n.a. | W 6 |
| T 7 | 11 53 47 | 29°40'18 | 6♊45 | 4°27 | 28°18 | 18° 8 | 14°40 | 22°40 | 1°39 | 28°56 | 22°20 | 15°32 | 16°22 | 28°29 | n.a. | T 7 |
| F 8 | 11 57 44 | 0♈37'44 | 18°52 | 5°29 | 29°32 | 18°44 | 14°52 | 22°39 | 1°40 | 28°54 | 22°20 | 15°33 | 16°19 | 28°36 | n.a. | F 8 |
| S 9 | 12 1 40 | 1°35'07 | 1♋14 | 6°34 | 0♈46 | 19°20 | 15° 4 | 22°37 | 1°41 | 28°53 | 22°20 | 15°R33 | 16°16 | 28°43 | n.a. | S 9 |
| S 10 | 12 5 37 | 2°32'30 | 13°57 | 7°43 | 1°59 | 19°57 | 15°16 | 22°35 | 1°41 | 28°51 | 22°19 | 15°33 | 16°12 | 28°49 | n.a. | S 10 |
| M11 | 12 9 33 | 3°29'51 | 27° 2 | 8°54 | 3°13 | 20°33 | 15°28 | 22°33 | 1°42 | 28°49 | 22°19 | 15°32 | 16° 9 | 28°56 | n.a. | M11 |
| T 12 | 12 13 30 | 4°27'11 | 10♌34 | 10° 8 | 4°27 | 21° 9 | 15°40 | 22°31 | 1°43 | 28°48 | 22°19 | 15°31 | 16° 6 | 29° 3 | n.a. | T 12 |
| W13 | 12 17 26 | 5°24'29 | 24°33 | 11°25 | 5°40 | 21°45 | 15°51 | 22°28 | 1°44 | 28°46 | 22°19 | 15°30 | 16° 3 | 29° 9 | n.a. | W13 |
| T 14 | 12 21 23 | 6°21'46 | 8♍57 | 12°44 | 6°54 | 22°21 | 16° 3 | 22°26 | 1°45 | 28°44 | 22°18 | 15°28 | 16° 0 | 29°16 | n.a. | T 14 |
| F 15 | 12 25 19 | 7°19'02 | 23°42 | 14° 6 | 8° 7 | 22°57 | 16°14 | 22°24 | 1°46 | 28°43 | 22°18 | 15°28 | 15°56 | 29°23 | n.a. | F 15 |
| S 16 | 12 29 16 | 8°16'16 | 8♎43 | 15°31 | 9°21 | 23°34 | 16°26 | 22°21 | 1°47 | 28°41 | 22°18 | 15°D27 | 15°53 | 29°29 | n.a. | S 16 |
| S 17 | 12 33 13 | 9°13'30 | 23°49 | 16°59 | 10°35 | 24°10 | 16°37 | 22°19 | 1°48 | 28°40 | 22°18 | 15°27 | 15°50 | 29°36 | n.a. | S 17 |
| M18 | 12 37 9 | 10°10'43 | 8♏54 | 18°29 | 11°48 | 24°46 | 16°48 | 22°16 | 1°49 | 28°38 | 22°18 | 15°28 | 15°47 | 29°42 | n.a. | M18 |
| T 19 | 12 41 6 | 11° 7'55 | 23°47 | 20° 2 | 13° 2 | 25°23 | 16°59 | 22°13 | 1°50 | 28°37 | 22°18 | 15°28 | 15°44 | 29°49 | n.a. | T 19 |
| W20 | 12 45 2 | 12° 5'07 | 8♐24 | 21°37 | 14°16 | 25°59 | 17°10 | 22°11 | 1°52 | 28°35 | 22°D18 | 15°28 | 15°41 | 29°56 | n.a. | W20 |
| T 21 | 12 48 59 | 13° 2'18 | 22°38 | 23°15 | 15°29 | 26°35 | 17°21 | 22° 8 | 1°53 | 28°33 | 22°18 | 15°29 | 15°37 | 0♉ 2 | n.a. | T 21 |
| F 22 | 12 52 55 | 13°59'29 | 6♑28 | 24°56 | 16°43 | 27°12 | 17°32 | 22° 5 | 1°54 | 28°32 | 22°18 | 15°29 | 15°34 | 0° 9 | n.a. | F 22 |
| S 23 | 12 56 52 | 14°56'39 | 19°55 | 26°39 | 17°57 | 27°48 | 17°43 | 22° 2 | 1°56 | 28°30 | 22°18 | 15°29 | 15°31 | 0°16 | n.a. | S 23 |
| S 24 | 13 0 48 | 15°53'49 | 3♒ 0 | 28°24 | 19°10 | 28°25 | 17°54 | 21°59 | 1°57 | 28°29 | 22°18 | 15°29 | 15°28 | 0°22 | n.a. | S 24 |
| M25 | 13 4 45 | 16°50'58 | 15°45 | 0♈12 | 20°24 | 29° 1 | 18° 4 | 21°56 | 1°59 | 28°27 | 22°18 | 15°29 | 15°25 | 0°29 | n.a. | M25 |
| T 26 | 13 8 42 | 17°48'07 | 28°14 | 2° 2 | 21°38 | 29°38 | 18°15 | 21°53 | 2° 0 | 28°26 | 22°18 | 15°29 | 15°22 | 0°36 | n.a. | T 26 |
| W27 | 13 12 38 | 18°45'15 | 10♓29 | 3°55 | 22°51 | 0♊14 | 18°25 | 21°49 | 2° 2 | 28°24 | 22°19 | 15°29 | 15°18 | 0°42 | n.a. | W27 |
| T 28 | 13 16 35 | 19°42'23 | 22°33 | 5°50 | 24° 5 | 0°51 | 18°35 | 21°46 | 2° 4 | 28°23 | 22°19 | 15°30 | 15°15 | 0°49 | n.a. | T 28 |
| F 29 | 13 20 31 | 20°39'31 | 4♈29 | 7°48 | 25°18 | 1°27 | 18°45 | 21°42 | 2° 5 | 28°21 | 22°19 | 15°30 | 15°12 | 0°56 | n.a. | F 29 |
| S 30 | 13 24 28 | 21♈36'37 | 16♈20 | 9♈48 | 26♈32 | 2♊ 4 | 18♒55 | 21♏39 | 2♋ 7 | 28♍20 | 22♋19 | 15°R30 | 15♎ 9 | 1♉ 2 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 2s28 | 0s10 | 1n48 | 14s13 | 2s27 | 4s43 | 1s 8 | 17n41 | 1n13 | 18s17 | 1s13 | 17s29 | 1n25 | 24n26 | 0n32 | 2n23 | 2n12 | 36n38 | 14n51 | 6s13 | 6s41 | 9n59 | | n.a. |
| S 2 | 2 4 | 3n43 | 0 44 | 14 3 | 2 33 | 4 12 | 1 7 | 17 52 | 1 13 | 18 14 | 1 13 | 17 29 | 1 25 | 24 26 | 0 32 | 2 23 | 2 12 | 36 38 | 14 51 | 6 12 | 6 40 | 10 0 | | n.a. |
| S 3 | 1 41 | 7 24 | 0s22 | 13 52 | 2 39 | 3 41 | 1 6 | 18 2 | 1 13 | 18 10 | 1 13 | 17 28 | 1 25 | 24 26 | 0 32 | 2 24 | 2 12 | 36 38 | 14 51 | 6 12 | 6 39 | 10 2 | | n.a. |
| M 4 | 1 18 | 10 47 | 1 26 | 13 39 | 2 44 | 3 9 | 1 4 | 18 13 | 1 13 | 18 7 | 1 13 | 17 28 | 1 25 | 24 26 | 0 32 | 2 25 | 2 12 | 36 38 | 14 50 | 6 12 | 6 37 | 10 4 | | n.a. |
| T 5 | 0 55 | 13 43 | 2 27 | 13 23 | 2 48 | 2 38 | 1 2 | 18 24 | 1 13 | 18 3 | 1 14 | 17 27 | 1 25 | 24 26 | 0 32 | 2 25 | 2 12 | 36 37 | 14 50 | 6 13 | 6 36 | 10 5 | | n.a. |
| W 6 | 0 31 | 16 6 | 3 21 | 13 5 | 2 51 | 2 7 | 1 1 | 18 34 | 1 13 | 18 0 | 1 14 | 17 27 | 1 25 | 24 26 | 0 32 | 2 26 | 2 12 | 36 37 | 14 50 | 6 13 | 6 35 | 10 7 | | n.a. |
| T 7 | 0 8 | 17 48 | 4 8 | 12 45 | 2 54 | 1 35 | 0 59 | 18 45 | 1 13 | 17 56 | 1 14 | 17 26 | 1 25 | 24 26 | 0 32 | 2 27 | 2 12 | 36 37 | 14 49 | 6 14 | 6 34 | 10 9 | | n.a. |
| F 8 | 0n15 | 18 44 | 4 44 | 12 24 | 2 55 | 1 4 | 0 58 | 18 55 | 1 14 | 17 53 | 1 14 | 17 26 | 1 25 | 24 26 | 0 32 | 2 27 | 2 12 | 36 36 | 14 49 | 6 14 | 6 32 | 10 10 | | n.a. |
| S 9 | 0 39 | 18 47 | 5 7 | 12 0 | 2 56 | 0 33 | 0 56 | 19 6 | 1 14 | 17 49 | 1 14 | 17 25 | 1 25 | 24 26 | 0 32 | 2 28 | 2 12 | 36 36 | 14 49 | 6 14 | 6 31 | 10 12 | | n.a. |
| S 10 | 1 2 | 17 55 | 5 17 | 11 34 | 2 57 | 0 1 | 0 54 | 19 16 | 1 14 | 17 46 | 1 14 | 17 25 | 1 25 | 24 26 | 0 32 | 2 29 | 2 12 | 36 36 | 14 48 | 6 14 | 6 30 | 10 13 | | n.a. |
| M11 | 1 25 | 16 5 | 5 11 | 11 6 | 2 56 | 0n30 | 0 52 | 19 26 | 1 14 | 17 43 | 1 15 | 17 24 | 1 25 | 24 26 | 0 32 | 2 29 | 2 12 | 36 36 | 14 48 | 6 14 | 6 29 | 10 15 | | n.a. |
| T 12 | 1 48 | 13 20 | 4 48 | 10 37 | 2 55 | 1 2 | 0 50 | 19 36 | 1 14 | 17 39 | 1 15 | 17 24 | 1 25 | 24 26 | 0 31 | 2 30 | 2 12 | 36 35 | 14 47 | 6 14 | 6 27 | 10 16 | | n.a. |
| W13 | 2 11 | 9 44 | 4 7 | 10 5 | 2 53 | 1 33 | 0 48 | 19 45 | 1 14 | 17 36 | 1 15 | 17 23 | 1 25 | 24 26 | 0 31 | 2 31 | 2 12 | 36 35 | 14 47 | 6 13 | 6 26 | 10 18 | | n.a. |
| T 14 | 2 35 | 5 28 | 3 9 | 9 32 | 2 51 | 2 5 | 0 46 | 19 55 | 1 14 | 17 32 | 1 15 | 17 22 | 1 25 | 24 26 | 0 31 | 2 31 | 2 12 | 36 35 | 14 47 | 6 13 | 6 25 | 10 20 | | n.a. |
| F 15 | 2 58 | 0 45 | 1 58 | 8 57 | 2 48 | 2 36 | 0 44 | 20 5 | 1 14 | 17 29 | 1 16 | 17 22 | 1 25 | 24 26 | 0 31 | 2 32 | 2 12 | 36 34 | 14 46 | 6 12 | 6 24 | 10 21 | | n.a. |
| S 16 | 3 21 | 4s 5 | 0 37 | 8 20 | 2 44 | 3 8 | 0 42 | 20 14 | 1 14 | 17 26 | 1 16 | 17 21 | 1 26 | 24 26 | 0 31 | 2 33 | 2 12 | 36 34 | 14 46 | 6 12 | 6 22 | 10 23 | | n.a. |
| S 17 | 3 44 | 8 43 | 0n46 | 7 41 | 2 40 | 3 39 | 0 40 | 20 24 | 1 15 | 17 23 | 1 16 | 17 20 | 1 26 | 24 26 | 0 31 | 2 33 | 2 12 | 36 33 | 14 45 | 6 12 | 6 21 | 10 24 | | n.a. |
| M18 | 4 7 | 12 45 | 2 7 | 7 1 | 2 35 | 4 10 | 0 38 | 20 33 | 1 15 | 17 19 | 1 16 | 17 20 | 1 26 | 24 26 | 0 31 | 2 34 | 2 12 | 36 33 | 14 45 | 6 12 | 6 20 | 10 26 | | n.a. |
| T 19 | 4 29 | 15 55 | 3 18 | 6 19 | 2 30 | 4 42 | 0 36 | 20 42 | 1 15 | 17 16 | 1 16 | 17 19 | 1 26 | 24 26 | 0 31 | 2 35 | 2 12 | 36 33 | 14 45 | 6 12 | 6 19 | 10 28 | | n.a. |
| W20 | 4 52 | 17 58 | 4 14 | 5 35 | 2 24 | 5 13 | 0 34 | 20 51 | 1 15 | 17 13 | 1 17 | 17 18 | 1 26 | 24 26 | 0 31 | 2 35 | 2 12 | 36 32 | 14 44 | 6 13 | 6 17 | 10 29 | | n.a. |
| T 21 | 5 15 | 18 50 | 4 53 | 4 49 | 2 17 | 5 44 | 0 32 | 21 0 | 1 15 | 17 10 | 1 17 | 17 17 | 1 26 | 24 26 | 0 31 | 2 36 | 2 12 | 36 32 | 14 44 | 6 13 | 6 16 | 10 31 | | n.a. |
| F 22 | 5 38 | 18 32 | 5 14 | 4 2 | 2 10 | 6 14 | 0 30 | 21 8 | 1 15 | 17 6 | 1 17 | 17 17 | 1 26 | 24 26 | 0 31 | 2 36 | 2 12 | 36 32 | 14 44 | 6 13 | 6 15 | 10 32 | | n.a. |
| S 23 | 6 0 | 17 11 | 5 17 | 3 13 | 2 2 | 6 45 | 0 28 | 21 17 | 1 15 | 17 3 | 1 17 | 17 16 | 1 26 | 24 26 | 0 31 | 2 37 | 2 12 | 36 31 | 14 43 | 6 13 | 6 14 | 10 34 | | n.a. |
| S 24 | 6 23 | 14 58 | 5 3 | 2 23 | 1 54 | 7 16 | 0 25 | 21 25 | 1 15 | 17 0 | 1 18 | 17 15 | 1 26 | 24 26 | 0 31 | 2 38 | 2 12 | 36 31 | 14 43 | 6 13 | 6 12 | 10 35 | | n.a. |
| M25 | 6 45 | 12 4 | 4 35 | 1 31 | 1 45 | 7 46 | 0 23 | 21 34 | 1 15 | 16 57 | 1 18 | 17 14 | 1 26 | 24 26 | 0 31 | 2 38 | 2 12 | 36 30 | 14 42 | 6 13 | 6 11 | 10 37 | | n.a. |
| T 26 | 7 7 | 8 41 | 3 54 | 0 38 | 1 36 | 8 16 | 0 21 | 21 42 | 1 15 | 16 54 | 1 18 | 17 13 | 1 26 | 24 26 | 0 31 | 2 39 | 2 12 | 36 30 | 14 42 | 6 13 | 6 10 | 10 39 | | n.a. |
| W27 | 7 29 | 4 59 | 3 3 | 0n16 | 1 27 | 8 47 | 0 18 | 21 50 | 1 15 | 16 51 | 1 18 | 17 12 | 1 26 | 24 25 | 0 31 | 2 39 | 2 12 | 36 29 | 14 42 | 6 13 | 6 9 | 10 40 | | n.a. |
| T 28 | 7 51 | 1 7 | 2 4 | 1 11 | 1 17 | 9 16 | 0 16 | 21 58 | 1 15 | 16 48 | 1 18 | 17 12 | 1 26 | 24 25 | 0 31 | 2 40 | 2 12 | 36 29 | 14 41 | 6 13 | 6 7 | 10 42 | | n.a. |
| F 29 | 8 13 | 2n45 | 1 1 | 2 8 | 1 7 | 9 46 | 0 14 | 22 6 | 1 15 | 16 45 | 1 19 | 17 11 | 1 26 | 24 25 | 0 31 | 2 41 | 2 12 | 36 29 | 14 41 | 6 13 | 6 6 | 10 43 | | n.a. |
| S 30 | 8n35 | 6n29 | 0s 5 | 3n 5 | 0s57 | 10n15 | 0s11 | 22n13 | 1n15 | 16s42 | 1s19 | 17s10 | 1n26 | 24n25 | 0n31 | 2n41 | 2n12 | 36n28 | 14n40 | 6s13 | 6s 5 | 10n45 | | n.a. |

Julian Day Number = 995396.5, Delta T = 12h57m31s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'42, Lahiri = -31°21'42 Julian Calendar 1 Apr. 1988 BCE == Greg. Calendar 15 March 1988 BCE


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## MAY 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 28 24 | 22♈33'44 | 28♈ 8 | 11♈49 | 27♈46 | 2♊41 | 19♒ 5 | 21°R36 | 2♋ 9 | 28°R18 | 22♋20 | 15°R30 | 15♎ 6 | 1♉ 9 | n.a. | S 1 |
| M 2 | 13 32 21 | 23°30'50 | 9♉56 | 13°53 | 28°59 | 3°17 | 19°15 | 21♏32 | 2°11 | 28♍17 | 22°20 | 15♎29 | 15° 2 | 1°16 | n.a. | M 2 |
| T 3 | 13 36 17 | 24°27'56 | 21°45 | 15°58 | 0♉13 | 3°54 | 19°25 | 21°28 | 2°13 | 28°15 | 22°21 | 15°28 | 14°59 | 1°22 | n.a. | T 3 |
| W 4 | 13 40 14 | 25°25'01 | 3♊38 | 18° 5 | 1°27 | 4°31 | 19°34 | 21°25 | 2°15 | 28°14 | 22°21 | 15°27 | 14°56 | 1°29 | n.a. | W 4 |
| T 5 | 13 44 11 | 26°22'05 | 15°38 | 20°13 | 2°40 | 5° 7 | 19°44 | 21°21 | 2°17 | 28°13 | 22°21 | 15°26 | 14°53 | 1°36 | n.a. | T 5 |
| F 6 | 13 48 7 | 27°19'09 | 27°48 | 22°22 | 3°54 | 5°44 | 19°53 | 21°17 | 2°19 | 28°11 | 22°22 | 15°24 | 14°50 | 1°42 | n.a. | F 6 |
| S 7 | 13 52 4 | 28°16'13 | 10♋11 | 24°32 | 5° 8 | 6°21 | 20° 2 | 21°13 | 2°21 | 28°10 | 22°22 | 15°23 | 14°47 | 1°49 | n.a. | S 7 |
| S 8 | 13 56 0 | 29°13'16 | 22°52 | 26°43 | 6°21 | 6°58 | 20°11 | 21° 9 | 2°23 | 28° 9 | 22°23 | 15°22 | 14°43 | 1°55 | n.a. | S 8 |
| M 9 | 13 59 57 | 0♉10'19 | 5♌53 | 28°54 | 7°35 | 7°35 | 20°20 | 21° 5 | 2°25 | 28° 7 | 22°24 | 15°D22 | 14°40 | 2° 2 | n.a. | M 9 |
| T 10 | 14 3 53 | 1° 7'21 | 19°18 | 1♉ 5 | 8°49 | 8°12 | 20°29 | 21° 1 | 2°27 | 28° 6 | 22°24 | 15°23 | 14°37 | 2° 9 | n.a. | T 10 |
| W11 | 14 7 50 | 2° 4'22 | 3♍ 8 | 3°16 | 10° 2 | 8°49 | 20°38 | 20°57 | 2°30 | 28° 5 | 22°25 | 15°24 | 14°34 | 2°15 | n.a. | W11 |
| T 12 | 14 11 47 | 3° 1'24 | 17°23 | 5°26 | 11°16 | 9°25 | 20°46 | 20°53 | 2°32 | 28° 3 | 22°25 | 15°25 | 14°31 | 2°22 | n.a. | T 12 |
| F 13 | 14 15 43 | 3°58'24 | 2♎ 3 | 7°35 | 12°30 | 10° 2 | 20°55 | 20°49 | 2°34 | 28° 2 | 22°26 | 15°26 | 14°27 | 2°29 | n.a. | F 13 |
| S 14 | 14 19 40 | 4°55'25 | 17° 1 | 9°44 | 13°43 | 10°39 | 21° 3 | 20°45 | 2°37 | 28° 1 | 22°27 | 15°R26 | 14°24 | 2°35 | n.a. | S 14 |
| S 15 | 14 23 36 | 5°52'26 | 2♏11 | 11°51 | 14°57 | 11°16 | 21°11 | 20°41 | 2°39 | 28° 0 | 22°28 | 15°26 | 14°21 | 2°42 | n.a. | S 15 |
| M16 | 14 27 33 | 6°49'26 | 17°24 | 13°57 | 16°10 | 11°53 | 21°19 | 20°37 | 2°41 | 27°59 | 22°28 | 15°24 | 14°18 | 2°49 | n.a. | M16 |
| T 17 | 14 31 29 | 7°46'27 | 2♐30 | 16° 2 | 17°24 | 12°30 | 21°27 | 20°33 | 2°44 | 27°57 | 22°29 | 15°22 | 14°15 | 2°55 | n.a. | T 17 |
| W18 | 14 35 26 | 8°43'28 | 17°20 | 18° 5 | 18°38 | 13° 8 | 21°35 | 20°28 | 2°46 | 27°56 | 22°30 | 15°19 | 14°12 | 3° 2 | n.a. | W18 |
| T 19 | 14 39 22 | 9°40'30 | 1♑47 | 20° 6 | 19°51 | 13°45 | 21°43 | 20°24 | 2°49 | 27°55 | 22°31 | 15°16 | 14° 8 | 3° 9 | n.a. | T 19 |
| F 20 | 14 43 19 | 10°37'31 | 15°47 | 22° 5 | 21° 5 | 14°22 | 21°50 | 20°20 | 2°52 | 27°54 | 22°32 | 15°13 | 14° 5 | 3°15 | n.a. | F 20 |
| S 21 | 14 47 16 | 11°34'34 | 29°19 | 24° 3 | 22°19 | 14°59 | 21°57 | 20°15 | 2°54 | 27°53 | 22°33 | 15°12 | 14° 2 | 3°22 | n.a. | S 21 |
| S 22 | 14 51 12 | 12°31'36 | 12♒25 | 25°59 | 23°32 | 15°36 | 22° 5 | 20°11 | 2°57 | 27°52 | 22°34 | 15°D11 | 13°59 | 3°29 | n.a. | S 22 |
| M23 | 14 55 9 | 13°28'40 | 25° 7 | 27°53 | 24°46 | 16°13 | 22°12 | 20° 7 | 3° 0 | 27°51 | 22°35 | 15°12 | 13°56 | 3°35 | n.a. | M23 |
| T 24 | 14 59 5 | 14°25'44 | 7♓30 | 29°45 | 26° 0 | 16°51 | 22°19 | 20° 2 | 3° 2 | 27°50 | 22°36 | 15°13 | 13°53 | 3°42 | n.a. | T 24 |
| W25 | 15 3 2 | 15°22'48 | 19°38 | 1♊35 | 27°13 | 17°28 | 22°25 | 19°58 | 3° 5 | 27°49 | 22°37 | 15°15 | 13°49 | 3°49 | n.a. | W25 |
| T 26 | 15 6 58 | 16°19'53 | 1♈35 | 3°23 | 28°27 | 18° 5 | 22°32 | 19°54 | 3° 8 | 27°48 | 22°38 | 15°16 | 13°46 | 3°55 | n.a. | T 26 |
| F 27 | 15 10 55 | 17°16'58 | 13°25 | 5° 9 | 29°41 | 18°43 | 22°38 | 19°49 | 3°11 | 27°47 | 22°39 | 15°R17 | 13°43 | 4° 2 | n.a. | F 27 |
| S 28 | 15 14 52 | 18°14'05 | 25°12 | 6°53 | 0♊54 | 19°20 | 22°45 | 19°45 | 3°14 | 27°46 | 22°40 | 15°16 | 13°40 | 4° 9 | n.a. | S 28 |
| S 29 | 15 18 48 | 19°11'11 | 6♉59 | 8°36 | 2° 8 | 19°57 | 22°51 | 19°40 | 3°17 | 27°45 | 22°41 | 15°14 | 13°37 | 4°15 | n.a. | S 29 |
| M30 | 15 22 45 | 20° 8'19 | 18°49 | 10°16 | 3°22 | 20°35 | 22°57 | 19°36 | 3°20 | 27°44 | 22°43 | 15°11 | 13°33 | 4°22 | n.a. | M30 |
| T 31 | 15 26 41 | 21♉ 5'27 | 0♊43 | 11♊54 | 4♊35 | 21♊12 | 23♒ 3 | 19♏31 | 3♋23 | 27♍44 | 22♋44 | 15♎ 5 | 13♎30 | 4♉29 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n57 | 9n57 | 1s10 | 4n 4 | 0s46 | 10n45 | 0s 9 | 22n21 | 1n16 | 16s39 | 1s19 | 17s 9 | 1n26 | 24n25 | 0n31 | 2n42 | 2n12 | 36n28 | 14n40 | 6s13 | 6s 4 | 10n46 | | n.a. |
| M 2 | 9 19 | 13 0 | 2 12 | 5 2 | 0 35 | 11 14 | 0 7 | 22 28 | 1 16 | 16 36 | 1 19 | 17 8 | 1 26 | 24 25 | 0 31 | 2 42 | 2 12 | 36 27 | 14 40 | 6 13 | 6 2 | 10 48 | | n.a. |
| T 3 | 9 40 | 15 33 | 3 8 | 6 2 | 0 25 | 11 42 | 0 4 | 22 35 | 1 16 | 16 33 | 1 20 | 17 7 | 1 26 | 24 25 | 0 31 | 2 43 | 2 12 | 36 27 | 14 39 | 6 13 | 6 1 | 10 49 | | n.a. |
| W 4 | 10 1 | 17 26 | 3 57 | 7 1 | 0 14 | 12 11 | 0 2 | 22 42 | 1 16 | 16 30 | 1 20 | 17 6 | 1 26 | 24 25 | 0 31 | 2 43 | 2 12 | 36 26 | 14 39 | 6 12 | 6 0 | 10 51 | | n.a. |
| T 5 | 10 22 | 18 34 | 4 35 | 8 1 | 0 3 | 12 39 | 0n 0 | 22 49 | 1 16 | 16 28 | 1 20 | 17 5 | 1 26 | 24 25 | 0 31 | 2 44 | 2 12 | 36 26 | 14 38 | 6 11 | 5 59 | 10 53 | | n.a. |
| F 6 | 10 43 | 18 52 | 5 2 | 9 0 | 0n 8 | 13 7 | 0 3 | 22 56 | 1 16 | 16 25 | 1 21 | 17 4 | 1 26 | 24 25 | 0 31 | 2 44 | 2 12 | 36 25 | 14 38 | 6 11 | 5 57 | 10 54 | | n.a. |
| S 7 | 11 4 | 18 17 | 5 16 | 9 59 | 0 18 | 13 34 | 0 5 | 23 3 | 1 16 | 16 22 | 1 21 | 17 3 | 1 26 | 24 25 | 0 31 | 2 45 | 2 12 | 36 25 | 14 38 | 6 10 | 5 56 | 10 56 | | n.a. |
| S 8 | 11 25 | 16 47 | 5 14 | 10 57 | 0 28 | 14 2 | 0 7 | 23 9 | 1 16 | 16 20 | 1 21 | 17 2 | 1 26 | 24 25 | 0 31 | 2 45 | 2 11 | 36 24 | 14 37 | 6 10 | 5 55 | 10 57 | | n.a. |
| M 9 | 11 45 | 14 23 | 4 57 | 11 54 | 0 38 | 14 28 | 0 10 | 23 15 | 1 16 | 16 17 | 1 21 | 17 1 | 1 26 | 24 25 | 0 31 | 2 46 | 2 11 | 36 24 | 14 37 | 6 10 | 5 54 | 10 59 | | n.a. |
| T 10 | 12 6 | 11 10 | 4 23 | 12 50 | 0 48 | 14 55 | 0 12 | 23 22 | 1 16 | 16 14 | 1 22 | 17 0 | 1 26 | 24 25 | 0 31 | 2 46 | 2 11 | 36 23 | 14 36 | 6 10 | 5 52 | 11 0 | | n.a. |
| W11 | 12 26 | 7 15 | 3 33 | 13 44 | 0 57 | 15 21 | 0 15 | 23 28 | 1 16 | 16 12 | 1 22 | 16 59 | 1 26 | 24 25 | 0 31 | 2 47 | 2 11 | 36 23 | 14 36 | 6 11 | 5 51 | 11 2 | | n.a. |
| T 12 | 12 46 | 2 48 | 2 29 | 14 37 | 1 6 | 15 47 | 0 17 | 23 33 | 1 16 | 16 9 | 1 22 | 16 58 | 1 26 | 24 25 | 0 31 | 2 47 | 2 11 | 36 22 | 14 36 | 6 11 | 5 50 | 11 3 | | n.a. |
| F 13 | 13 6 | 1s57 | 1 13 | 15 29 | 1 14 | 16 12 | 0 19 | 23 39 | 1 16 | 16 7 | 1 22 | 16 57 | 1 25 | 24 25 | 0 31 | 2 48 | 2 11 | 36 22 | 14 35 | 6 12 | 5 49 | 11 5 | | n.a. |
| S 14 | 13 25 | 6 41 | 0n 9 | 16 18 | 1 21 | 16 37 | 0 22 | 23 45 | 1 16 | 16 4 | 1 23 | 16 56 | 1 25 | 24 25 | 0 31 | 2 48 | 2 11 | 36 21 | 14 35 | 6 12 | 5 47 | 11 6 | | n.a. |
| S 15 | 13 45 | 11 3 | 1 31 | 17 5 | 1 28 | 17 2 | 0 24 | 23 50 | 1 16 | 16 2 | 1 23 | 16 55 | 1 25 | 24 24 | 0 31 | 2 49 | 2 11 | 36 21 | 14 34 | 6 12 | 5 46 | 11 8 | | n.a. |
| M16 | 14 4 | 14 41 | 2 48 | 17 50 | 1 34 | 17 26 | 0 26 | 23 55 | 1 16 | 15 59 | 1 23 | 16 54 | 1 25 | 24 24 | 0 31 | 2 49 | 2 11 | 36 20 | 14 34 | 6 11 | 5 45 | 11 9 | | n.a. |
| T 17 | 14 23 | 17 18 | 3 51 | 18 33 | 1 40 | 17 49 | 0 29 | 24 0 | 1 16 | 15 57 | 1 24 | 16 52 | 1 25 | 24 24 | 0 31 | 2 50 | 2 11 | 36 20 | 14 34 | 6 10 | 5 44 | 11 11 | | n.a. |
| W18 | 14 42 | 18 41 | 4 38 | 19 14 | 1 45 | 18 13 | 0 31 | 24 5 | 1 16 | 15 55 | 1 24 | 16 51 | 1 25 | 24 24 | 0 31 | 2 50 | 2 11 | 36 19 | 14 33 | 6 9 | 5 42 | 11 12 | | n.a. |
| T 19 | 15 0 | 18 48 | 5 6 | 19 52 | 1 49 | 18 35 | 0 33 | 24 10 | 1 16 | 15 53 | 1 24 | 16 50 | 1 25 | 24 24 | 0 31 | 2 50 | 2 11 | 36 19 | 14 33 | 6 8 | 5 41 | 11 14 | | n.a. |
| F 20 | 15 18 | 17 45 | 5 15 | 20 28 | 1 52 | 18 58 | 0 36 | 24 14 | 1 16 | 15 50 | 1 24 | 16 49 | 1 25 | 24 24 | 0 31 | 2 51 | 2 11 | 36 18 | 14 33 | 6 7 | 5 40 | 11 16 | | n.a. |
| S 21 | 15 37 | 15 44 | 5 5 | 21 1 | 1 55 | 19 19 | 0 38 | 24 19 | 1 16 | 15 48 | 1 25 | 16 48 | 1 25 | 24 24 | 0 31 | 2 51 | 2 11 | 36 18 | 14 32 | 6 6 | 5 39 | 11 17 | | n.a. |
| S 22 | 15 54 | 12 56 | 4 40 | 21 32 | 1 57 | 19 41 | 0 40 | 24 23 | 1 16 | 15 46 | 1 25 | 16 47 | 1 25 | 24 24 | 0 31 | 2 52 | 2 11 | 36 17 | 14 32 | 6 6 | 5 37 | 11 19 | | n.a. |
| M23 | 16 12 | 9 37 | 4 2 | 22 1 | 1 59 | 20 1 | 0 42 | 24 27 | 1 16 | 15 44 | 1 25 | 16 46 | 1 25 | 24 24 | 0 31 | 2 52 | 2 11 | 36 17 | 14 31 | 6 6 | 5 36 | 11 20 | | n.a. |
| T 24 | 16 29 | 5 57 | 3 13 | 22 27 | 2 0 | 20 21 | 0 44 | 24 31 | 1 16 | 15 42 | 1 26 | 16 45 | 1 25 | 24 24 | 0 31 | 2 52 | 2 11 | 36 16 | 14 31 | 6 7 | 5 35 | 11 22 | | n.a. |
| W25 | 16 46 | 2 6 | 2 16 | 22 51 | 2 0 | 20 41 | 0 46 | 24 34 | 1 16 | 15 40 | 1 26 | 16 44 | 1 25 | 24 24 | 0 31 | 2 53 | 2 11 | 36 15 | 14 31 | 6 7 | 5 34 | 11 23 | | n.a. |
| T 26 | 17 3 | 1n46 | 1 15 | 23 13 | 2 0 | 21 0 | 0 49 | 24 38 | 1 16 | 15 38 | 1 26 | 16 42 | 1 25 | 24 24 | 0 31 | 2 53 | 2 11 | 36 15 | 14 30 | 6 8 | 5 32 | 11 25 | | n.a. |
| F 27 | 17 20 | 5 33 | 0 10 | 23 32 | 1 59 | 21 19 | 0 51 | 24 41 | 1 16 | 15 36 | 1 27 | 16 41 | 1 25 | 24 24 | 0 31 | 2 53 | 2 11 | 36 14 | 14 30 | 6 8 | 5 31 | 11 26 | | n.a. |
| S 28 | 17 36 | 9 6 | 0s54 | 23 49 | 1 57 | 21 37 | 0 53 | 24 44 | 1 16 | 15 34 | 1 27 | 16 40 | 1 25 | 24 23 | 0 31 | 2 54 | 2 11 | 36 14 | 14 30 | 6 8 | 5 30 | 11 28 | | n.a. |
| S 29 | 17 52 | 12 18 | 1 56 | 24 4 | 1 55 | 21 54 | 0 55 | 24 47 | 1 16 | 15 33 | 1 27 | 16 39 | 1 25 | 24 23 | 0 31 | 2 54 | 2 10 | 36 13 | 14 29 | 6 7 | 5 29 | 11 29 | | n.a. |
| M30 | 18 8 | 15 0 | 2 53 | 24 17 | 1 52 | 22 11 | 0 57 | 24 50 | 1 16 | 15 31 | 1 28 | 16 38 | 1 25 | 24 23 | 0 31 | 2 54 | 2 10 | 36 13 | 14 29 | 6 6 | 5 27 | 11 31 | | n.a. |
| T 31 | 18n23 | 17n 5 | 3s43 | 24n28 | 1n49 | 22n27 | 0n59 | 24n53 | 1n15 | 15s29 | 1s28 | 16s37 | 1n24 | 24n23 | 0n31 | 2n54 | 2n10 | 36n12 | 14n29 | 6s 4 | 5s26 | 11n32 | | n.a. |

Julian Day Number = 995426.5, Delta T = 12h57m29s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'38, Lahiri = -31°21'37 Julian Calendar 1 May 1988 BCE == Greg. Calendar 14 Apr. 1988 BCE

The year -1987 astronomical counting style corresponds to year 1988 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## JUNE 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 30 38 | 22♉ 2'35 | 12♊44 | 13♊31 | 5♊49 | 21♊50 | 23♒ 8 | 19°R27 | 3♋26 | 27°R43 | 22♋45 | 14°R59 | 13♎27 | 4♉35 | n.a. | W 1 |
| T 2 | 15 34 34 | 22°59'44 | 24°53 | 15° 5 | 7° 3 | 22°27 | 23°14 | 19♏23 | 3°29 | 27♍42 | 22°46 | 14♎53 | 13°24 | 4°42 | n.a. | T 2 |
| F 3 | 15 38 31 | 23°56'54 | 7♋11 | 16°38 | 8°16 | 23° 5 | 23°19 | 19°18 | 3°32 | 27°41 | 22°48 | 14°46 | 13°21 | 4°48 | n.a. | F 3 |
| S 4 | 15 42 28 | 24°54'04 | 19°42 | 18° 9 | 9°30 | 23°42 | 23°24 | 19°14 | 3°35 | 27°41 | 22°49 | 14°41 | 13°18 | 4°55 | n.a. | S 4 |
| S 5 | 15 46 24 | 25°51'14 | 2♌27 | 19°37 | 10°44 | 24°20 | 23°29 | 19° 9 | 3°38 | 27°40 | 22°50 | 14°36 | 13°14 | 5° 2 | n.a. | S 5 |
| M 6 | 15 50 21 | 26°48'25 | 15°28 | 21° 4 | 11°57 | 24°58 | 23°34 | 19° 5 | 3°41 | 27°39 | 22°52 | 14°34 | 13°11 | 5° 8 | n.a. | M 6 |
| T 7 | 15 54 17 | 27°45'37 | 28°48 | 22°28 | 13°11 | 25°35 | 23°39 | 19° 1 | 3°45 | 27°39 | 22°53 | 14°D34 | 13° 8 | 5°15 | n.a. | T 7 |
| W 8 | 15 58 14 | 28°42'49 | 12♍29 | 23°51 | 14°25 | 26°13 | 23°43 | 18°56 | 3°48 | 27°38 | 22°54 | 14°34 | 13° 5 | 5°22 | n.a. | W 8 |
| T 9 | 16 2 10 | 29°40'01 | 26°32 | 25°11 | 15°38 | 26°51 | 23°47 | 18°52 | 3°51 | 27°38 | 22°56 | 14°35 | 13° 2 | 5°28 | n.a. | T 9 |
| F 10 | 16 6 7 | 0♊37'14 | 10♎57 | 26°29 | 16°52 | 27°28 | 23°51 | 18°48 | 3°54 | 27°37 | 22°57 | 14°R36 | 12°58 | 5°35 | n.a. | F 10 |
| S 11 | 16 10 3 | 1°34'28 | 25°42 | 27°46 | 18° 6 | 28° 6 | 23°55 | 18°44 | 3°58 | 27°37 | 22°59 | 14°36 | 12°55 | 5°42 | n.a. | S 11 |
| S 12 | 16 14 0 | 2°31'43 | 10♏41 | 28°59 | 19°19 | 28°44 | 23°59 | 18°39 | 4° 1 | 27°36 | 23° 0 | 14°33 | 12°52 | 5°48 | n.a. | S 12 |
| M13 | 16 17 57 | 3°28'58 | 25°47 | 0♋11 | 20°33 | 29°22 | 24° 3 | 18°35 | 4° 4 | 27°36 | 23° 2 | 14°29 | 12°49 | 5°55 | n.a. | M13 |
| T 14 | 16 21 53 | 4°26'15 | 10♐51 | 1°20 | 21°47 | 29°59 | 24° 6 | 18°31 | 4° 8 | 27°35 | 23° 3 | 14°23 | 12°46 | 6° 2 | n.a. | T 14 |
| W15 | 16 25 50 | 5°23'32 | 25°43 | 2°26 | 23° 0 | 0♋37 | 24° 9 | 18°27 | 4°11 | 27°35 | 23° 5 | 14°15 | 12°43 | 6° 8 | n.a. | W15 |
| T 16 | 16 29 46 | 6°20'51 | 10♑15 | 3°30 | 24°14 | 1°15 | 24°12 | 18°23 | 4°15 | 27°35 | 23° 6 | 14° 8 | 12°39 | 6°15 | n.a. | T 16 |
| F 17 | 16 33 43 | 7°18'11 | 24°21 | 4°32 | 25°28 | 1°53 | 24°15 | 18°19 | 4°18 | 27°34 | 23° 8 | 14° 0 | 12°36 | 6°22 | n.a. | F 17 |
| S 18 | 16 37 39 | 8°15'32 | 7♒59 | 5°30 | 26°41 | 2°31 | 24°18 | 18°15 | 4°21 | 27°34 | 23°10 | 13°55 | 12°33 | 6°28 | n.a. | S 18 |
| S 19 | 16 41 36 | 9°12'55 | 21° 9 | 6°26 | 27°55 | 3° 9 | 24°20 | 18°11 | 4°25 | 27°34 | 23°11 | 13°51 | 12°30 | 6°35 | n.a. | S 19 |
| M20 | 16 45 33 | 10°10'19 | 3♓53 | 7°18 | 29° 9 | 3°47 | 24°23 | 18° 7 | 4°28 | 27°33 | 23°13 | 13°50 | 12°27 | 6°42 | n.a. | M20 |
| T 21 | 16 49 29 | 11° 7'45 | 16°15 | 8° 8 | 0♋22 | 4°25 | 24°25 | 18° 3 | 4°32 | 27°33 | 23°15 | 13°D49 | 12°24 | 6°48 | n.a. | T 21 |
| W22 | 16 53 26 | 12° 5'12 | 28°21 | 8°54 | 1°36 | 5° 3 | 24°27 | 17°59 | 4°35 | 27°33 | 23°17 | 13°50 | 12°20 | 6°55 | n.a. | W22 |
| T 23 | 16 57 22 | 13° 2'40 | 10♈16 | 9°36 | 2°50 | 5°42 | 24°28 | 17°55 | 4°39 | 27°33 | 23°18 | 13°R51 | 12°17 | 7° 2 | n.a. | T 23 |
| F 24 | 17 1 19 | 14° 0'10 | 22° 5 | 10°15 | 4° 3 | 6°20 | 24°30 | 17°51 | 4°43 | 27°33 | 23°20 | 13°51 | 12°14 | 7° 8 | n.a. | F 24 |
| S 25 | 17 5 15 | 14°57'42 | 3♉51 | 10°50 | 5°17 | 6°58 | 24°31 | 17°48 | 4°46 | 27°33 | 23°22 | 13°48 | 12°11 | 7°15 | n.a. | S 25 |
| S 26 | 17 9 12 | 15°55'16 | 15°40 | 11°21 | 6°31 | 7°36 | 24°32 | 17°44 | 4°50 | 27°D33 | 23°24 | 13°44 | 12° 8 | 7°22 | n.a. | S 26 |
| M27 | 17 13 8 | 16°52'50 | 27°35 | 11°47 | 7°44 | 8°15 | 24°33 | 17°41 | 4°53 | 27°33 | 23°25 | 13°37 | 12° 4 | 7°28 | n.a. | M27 |
| T 28 | 17 17 5 | 17°50'27 | 9♊38 | 12° 9 | 8°58 | 8°53 | 24°34 | 17°37 | 4°57 | 27°33 | 23°27 | 13°28 | 12° 1 | 7°35 | n.a. | T 28 |
| W29 | 17 21 2 | 18°48'05 | 21°50 | 12°26 | 10°12 | 9°31 | 24°35 | 17°34 | 5° 1 | 27°33 | 23°29 | 13°17 | 11°58 | 7°42 | n.a. | W29 |
| T 30 | 17 24 58 | 19♊45'44 | 4♋13 | 12♋39 | 11♋25 | 10♋10 | 24♒35 | 17♏30 | 5♋ 4 | 27♍33 | 23♋31 | 13♎ 5 | 11♎55 | 7♉48 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| W 1 | 18n39 | 18n26 | 4s23 | 24n37 | 1n45 | 22n42 | 1n 0 | 24n55 | 1n15 | 15s28 | 1s28 | 16s36 | 1n24 | 24n23 | 0n31 | 2n55 | 2n10 | 36n12 | 14n28 | 6s 1 | 5s25 | 11n34 | | | n.a. |
| T 2 | 18 54 | 18 58 | 4 52 | 24 44 | 1 41 | 22 57 | 1 2 | 24 57 | 1 15 | 15 26 | 1 29 | 16 34 | 1 24 | 24 23 | 0 31 | 2 55 | 2 10 | 36 11 | 14 28 | 5 58 | 5 23 | 11 35 | | | n.a. |
| F 3 | 19 8 | 18 36 | 5 8 | 24 50 | 1 36 | 23 11 | 1 4 | 24 59 | 1 15 | 15 25 | 1 29 | 16 33 | 1 24 | 24 23 | 0 31 | 2 55 | 2 10 | 36 10 | 14 28 | 5 56 | 5 22 | 11 37 | | | n.a. |
| S 4 | 19 22 | 17 21 | 5 9 | 24 53 | 1 31 | 23 24 | 1 6 | 25 1 | 1 15 | 15 23 | 1 29 | 16 32 | 1 24 | 24 23 | 0 31 | 2 55 | 2 10 | 36 10 | 14 27 | 5 54 | 5 21 | 11 38 | | | n.a. |
| S 5 | 19 36 | 15 13 | 4 55 | 24 55 | 1 25 | 23 37 | 1 8 | 25 3 | 1 15 | 15 22 | 1 29 | 16 31 | 1 24 | 24 23 | 0 31 | 2 56 | 2 10 | 36 9 | 14 27 | 5 52 | 5 20 | 11 39 | | | n.a. |
| M 6 | 19 50 | 12 17 | 4 27 | 24 55 | 1 19 | 23 49 | 1 9 | 25 4 | 1 15 | 15 21 | 1 30 | 16 30 | 1 24 | 24 23 | 0 31 | 2 56 | 2 10 | 36 9 | 14 27 | 5 51 | 5 18 | 11 41 | | | n.a. |
| T 7 | 20 3 | 8 39 | 3 43 | 24 54 | 1 12 | 24 1 | 1 11 | 25 6 | 1 15 | 15 19 | 1 30 | 16 29 | 1 24 | 24 23 | 0 31 | 2 56 | 2 10 | 36 8 | 14 26 | 5 51 | 5 17 | 11 42 | | | n.a. |
| W 8 | 20 16 | 4 28 | 2 45 | 24 51 | 1 5 | 24 11 | 1 13 | 25 7 | 1 15 | 15 18 | 1 30 | 16 28 | 1 24 | 24 22 | 0 31 | 2 56 | 2 10 | 36 8 | 14 26 | 5 51 | 5 16 | 11 44 | | | n.a. |
| T 9 | 20 29 | 0s 4 | 1 36 | 24 47 | 0 57 | 24 21 | 1 14 | 25 8 | 1 15 | 15 17 | 1 31 | 16 27 | 1 24 | 24 22 | 0 31 | 2 56 | 2 10 | 36 7 | 14 26 | 5 52 | 5 15 | 11 45 | | | n.a. |
| F 10 | 20 41 | 4 43 | 0 20 | 24 41 | 0 49 | 24 31 | 1 16 | 25 9 | 1 15 | 15 16 | 1 31 | 16 26 | 1 23 | 24 22 | 0 31 | 2 57 | 2 10 | 36 7 | 14 26 | 5 52 | 5 13 | 11 47 | | | n.a. |
| S 11 | 20 53 | 9 12 | 1n 0 | 24 35 | 0 41 | 24 39 | 1 17 | 25 9 | 1 15 | 15 15 | 1 31 | 16 25 | 1 23 | 24 22 | 0 31 | 2 57 | 2 10 | 36 6 | 14 25 | 5 52 | 5 12 | 11 48 | | | n.a. |
| S 12 | 21 5 | 13 10 | 2 16 | 24 27 | 0 32 | 24 47 | 1 18 | 25 10 | 1 15 | 15 14 | 1 32 | 16 23 | 1 23 | 24 22 | 0 31 | 2 57 | 2 10 | 36 5 | 14 25 | 5 51 | 5 11 | 11 50 | | | n.a. |
| M13 | 21 16 | 16 18 | 3 24 | 24 18 | 0 23 | 24 54 | 1 20 | 25 10 | 1 15 | 15 13 | 1 32 | 16 22 | 1 23 | 24 22 | 0 31 | 2 57 | 2 10 | 36 5 | 14 25 | 5 49 | 5 10 | 11 51 | | | n.a. |
| T 14 | 21 27 | 18 17 | 4 17 | 24 8 | 0 13 | 25 0 | 1 21 | 25 10 | 1 15 | 15 12 | 1 33 | 16 21 | 1 23 | 24 22 | 0 31 | 2 57 | 2 9 | 36 4 | 14 24 | 5 47 | 5 8 | 11 53 | | | n.a. |
| W15 | 21 38 | 19 0 | 4 51 | 23 57 | 0 3 | 25 6 | 1 22 | 25 10 | 1 14 | 15 11 | 1 33 | 16 20 | 1 23 | 24 22 | 0 31 | 2 57 | 2 9 | 36 4 | 14 24 | 5 44 | 5 7 | 11 54 | | | n.a. |
| T 16 | 21 48 | 18 25 | 5 6 | 23 45 | 0s 7 | 25 11 | 1 23 | 25 9 | 1 14 | 15 11 | 1 33 | 16 19 | 1 23 | 24 22 | 0 31 | 2 57 | 2 9 | 36 3 | 14 24 | 5 41 | 5 6 | 11 56 | | | n.a. |
| F 17 | 21 58 | 16 43 | 5 2 | 23 33 | 0 18 | 25 15 | 1 25 | 25 9 | 1 14 | 15 10 | 1 34 | 16 18 | 1 23 | 24 21 | 0 31 | 2 57 | 2 9 | 36 3 | 14 24 | 5 38 | 5 5 | 11 57 | | | n.a. |
| S 18 | 22 7 | 14 7 | 4 41 | 23 20 | 0 29 | 25 18 | 1 26 | 25 8 | 1 14 | 15 10 | 1 34 | 16 17 | 1 22 | 24 21 | 0 31 | 2 57 | 2 9 | 36 2 | 14 23 | 5 36 | 5 3 | 11 59 | | | n.a. |
| S 19 | 22 17 | 10 52 | 4 5 | 23 6 | 0 40 | 25 21 | 1 27 | 25 7 | 1 14 | 15 9 | 1 34 | 16 16 | 1 22 | 24 21 | 0 31 | 2 57 | 2 9 | 36 1 | 14 23 | 5 34 | 5 2 | 12 0 | | | n.a. |
| M20 | 22 25 | 7 13 | 3 18 | 22 52 | 0 51 | 25 22 | 1 27 | 25 6 | 1 14 | 15 9 | 1 35 | 16 15 | 1 22 | 24 21 | 0 31 | 2 57 | 2 9 | 36 1 | 14 23 | 5 34 | 5 1 | 12 1 | | | n.a. |
| T 21 | 22 34 | 3 21 | 2 23 | 22 37 | 1 3 | 25 23 | 1 28 | 25 5 | 1 14 | 15 8 | 1 35 | 16 14 | 1 22 | 24 21 | 0 31 | 2 57 | 2 9 | 36 0 | 14 23 | 5 34 | 5 0 | 12 3 | | | n.a. |
| W22 | 22 42 | 0n35 | 1 22 | 22 22 | 1 15 | 25 24 | 1 29 | 25 3 | 1 14 | 15 8 | 1 35 | 16 13 | 1 22 | 24 21 | 0 31 | 2 57 | 2 9 | 36 0 | 14 22 | 5 34 | 4 58 | 12 4 | | | n.a. |
| T 23 | 22 49 | 4 26 | 0 19 | 22 7 | 1 27 | 25 23 | 1 30 | 25 1 | 1 14 | 15 8 | 1 36 | 16 12 | 1 22 | 24 21 | 0 31 | 2 57 | 2 9 | 35 59 | 14 22 | 5 34 | 4 57 | 12 6 | | | n.a. |
| F 24 | 22 56 | 8 5 | 0s44 | 21 52 | 1 39 | 25 22 | 1 30 | 24 59 | 1 14 | 15 7 | 1 36 | 16 12 | 1 22 | 24 21 | 0 31 | 2 57 | 2 9 | 35 59 | 14 22 | 5 34 | 4 56 | 12 7 | | | n.a. |
| S 25 | 23 3 | 11 25 | 1 45 | 21 37 | 1 52 | 25 20 | 1 31 | 24 57 | 1 13 | 15 7 | 1 36 | 16 11 | 1 21 | 24 20 | 0 31 | 2 57 | 2 9 | 35 58 | 14 22 | 5 33 | 4 54 | 12 9 | | | n.a. |
| S 26 | 23 10 | 14 17 | 2 42 | 21 22 | 2 4 | 25 17 | 1 32 | 24 55 | 1 13 | 15 7 | 1 37 | 16 10 | 1 21 | 24 20 | 0 31 | 2 57 | 2 9 | 35 58 | 14 22 | 5 31 | 4 53 | 12 10 | | | n.a. |
| M27 | 23 15 | 16 35 | 3 31 | 21 7 | 2 17 | 25 13 | 1 32 | 24 53 | 1 13 | 15 7 | 1 37 | 16 9 | 1 21 | 24 20 | 0 31 | 2 57 | 2 9 | 35 57 | 14 21 | 5 29 | 4 52 | 12 12 | | | n.a. |
| T 28 | 23 21 | 18 11 | 4 12 | 20 53 | 2 29 | 25 9 | 1 32 | 24 50 | 1 13 | 15 7 | 1 37 | 16 8 | 1 21 | 24 20 | 0 31 | 2 57 | 2 8 | 35 56 | 14 21 | 5 25 | 4 51 | 12 13 | | | n.a. |
| W29 | 23 26 | 18 58 | 4 42 | 20 39 | 2 41 | 25 4 | 1 33 | 24 47 | 1 13 | 15 7 | 1 38 | 16 7 | 1 21 | 24 20 | 0 31 | 2 57 | 2 8 | 35 56 | 14 21 | 5 21 | 4 49 | 12 14 | | | n.a. |
| T 30 | 23n31 | 18n52 | 4s59 | 20n26 | 2s54 | 24n58 | 1n33 | 24n44 | 1n13 | 15s 8 | 1s38 | 16s 6 | 1n21 | 24n20 | 0n31 | 2n57 | 2n 8 | 35n55 | 14n21 | 5s16 | 4s48 | 12n16 | | | n.a. |

Julian Day Number = 995457.5, Delta T = 12h57m27s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'34, Lahiri = -31°21'33 Julian Calendar 1 June 1988 BCE == Greg. Calendar 15 May 1988 BCE


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## JULY 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 28 55 | 20♊43'25 | 16♋46 | 12♋46 | 12♋39 | 10♋48 | 24°R35 | 17°R27 | 5♋ 8 | 27♍33 | 23♋33 | 12°R53 | 11♎52 | 7♉55 | n.a. | F 1 |
| S 2 | 17 32 51 | 21°41'07 | 29°31 | 12°R48 | 13°52 | 11°26 | 24♒35 | 17♏24 | 5°12 | 27°33 | 23°35 | 12♎43 | 11°49 | 8° 2 | n.a. | S 2 |
| S 3 | 17 36 48 | 22°38'51 | 12♌29 | 12°44 | 15° 6 | 12° 5 | 24°35 | 17°20 | 5°15 | 27°33 | 23°37 | 12°35 | 11°45 | 8° 8 | n.a. | S 3 |
| M 4 | 17 40 44 | 23°36'36 | 25°38 | 12°35 | 16°20 | 12°43 | 24°34 | 17°17 | 5°19 | 27°34 | 23°39 | 12°29 | 11°42 | 8°15 | n.a. | M 4 |
| T 5 | 17 44 41 | 24°34'22 | 9♍ 2 | 12°20 | 17°33 | 13°22 | 24°34 | 17°14 | 5°23 | 27°34 | 23°41 | 12°26 | 11°39 | 8°22 | n.a. | T 5 |
| W 6 | 17 48 37 | 25°32'09 | 22°40 | 11°59 | 18°47 | 14° 1 | 24°33 | 17°11 | 5°27 | 27°34 | 23°42 | 12°D26 | 11°36 | 8°28 | n.a. | W 6 |
| T 7 | 17 52 34 | 26°29'58 | 6♎34 | 11°33 | 20° 0 | 14°39 | 24°32 | 17° 8 | 5°30 | 27°35 | 23°44 | 12°R26 | 11°33 | 8°35 | n.a. | T 7 |
| F 8 | 17 56 31 | 27°27'49 | 20°45 | 11° 1 | 21°14 | 15°18 | 24°30 | 17° 5 | 5°34 | 27°35 | 23°46 | 12°26 | 11°30 | 8°42 | n.a. | F 8 |
| S 9 | 18 0 27 | 28°25'40 | 5♏11 | 10°24 | 22°27 | 15°56 | 24°29 | 17° 3 | 5°38 | 27°35 | 23°48 | 12°24 | 11°26 | 8°48 | n.a. | S 9 |
| S 10 | 18 4 24 | 29°23'34 | 19°50 | 9°42 | 23°41 | 16°35 | 24°27 | 17° 0 | 5°42 | 27°36 | 23°50 | 12°20 | 11°23 | 8°55 | n.a. | S 10 |
| M11 | 18 8 20 | 0♋21'28 | 4♐37 | 8°55 | 24°55 | 17°14 | 24°25 | 16°57 | 5°45 | 27°36 | 23°52 | 12°13 | 11°20 | 9° 2 | n.a. | M11 |
| T 12 | 18 12 17 | 1°19'25 | 19°24 | 8° 5 | 26° 8 | 17°53 | 24°23 | 16°55 | 5°49 | 27°37 | 23°54 | 12° 4 | 11°17 | 9° 8 | n.a. | T 12 |
| W13 | 18 16 13 | 2°17'23 | 4♑ 4 | 7°12 | 27°22 | 18°32 | 24°21 | 16°52 | 5°53 | 27°37 | 23°57 | 11°54 | 11°14 | 9°15 | n.a. | W13 |
| T 14 | 18 20 10 | 3°15'23 | 18°28 | 6°18 | 28°35 | 19°10 | 24°19 | 16°50 | 5°57 | 27°38 | 23°59 | 11°42 | 11°10 | 9°22 | n.a. | T 14 |
| F 15 | 18 24 6 | 4°13'25 | 2♒31 | 5°22 | 29°49 | 19°49 | 24°16 | 16°48 | 6° 0 | 27°38 | 24° 1 | 11°31 | 11° 7 | 9°28 | n.a. | F 15 |
| S 16 | 18 28 3 | 5°11'29 | 16° 8 | 4°26 | 1♌ 2 | 20°28 | 24°13 | 16°46 | 6° 4 | 27°39 | 24° 3 | 11°22 | 11° 4 | 9°35 | n.a. | S 16 |
| S 17 | 18 32 0 | 6° 9'35 | 29°19 | 3°32 | 2°15 | 21° 7 | 24°10 | 16°44 | 6° 8 | 27°40 | 24° 5 | 11°16 | 11° 1 | 9°42 | n.a. | S 17 |
| M18 | 18 35 56 | 7° 7'43 | 12♓ 4 | 2°41 | 3°29 | 21°46 | 24° 7 | 16°41 | 6°12 | 27°40 | 24° 7 | 11°12 | 10°58 | 9°48 | n.a. | M18 |
| T 19 | 18 39 53 | 8° 5'53 | 24°29 | 1°53 | 4°42 | 22°25 | 24° 4 | 16°40 | 6°16 | 27°41 | 24° 9 | 11°10 | 10°55 | 9°55 | n.a. | T 19 |
| W20 | 18 43 49 | 9° 4'05 | 6♈36 | 1°10 | 5°56 | 23° 4 | 24° 0 | 16°38 | 6°19 | 27°42 | 24°11 | 11°10 | 10°51 | 10° 2 | n.a. | W20 |
| T 21 | 18 47 46 | 10° 2'20 | 18°31 | 0°34 | 7° 9 | 23°43 | 23°56 | 16°36 | 6°23 | 27°42 | 24°13 | 11°10 | 10°48 | 10° 8 | n.a. | T 21 |
| F 22 | 18 51 42 | 11° 0'37 | 0♉20 | 0° 4 | 8°23 | 24°23 | 23°53 | 16°34 | 6°27 | 27°43 | 24°15 | 11° 9 | 10°45 | 10°15 | n.a. | F 22 |
| S 23 | 18 55 39 | 11°58'56 | 12° 8 | 29♊41 | 9°36 | 25° 2 | 23°48 | 16°33 | 6°31 | 27°44 | 24°18 | 11° 6 | 10°42 | 10°22 | n.a. | S 23 |
| S 24 | 18 59 35 | 12°57'17 | 24° 1 | 29°27 | 10°49 | 25°41 | 23°44 | 16°31 | 6°34 | 27°45 | 24°20 | 11° 1 | 10°39 | 10°28 | n.a. | S 24 |
| M25 | 19 3 32 | 13°55'41 | 6♊ 1 | 29°D21 | 12° 3 | 26°20 | 23°40 | 16°30 | 6°38 | 27°46 | 24°22 | 10°53 | 10°36 | 10°35 | n.a. | M25 |
| T 26 | 19 7 28 | 14°54'06 | 18°12 | 29°24 | 13°16 | 27° 0 | 23°35 | 16°28 | 6°42 | 27°47 | 24°24 | 10°43 | 10°32 | 10°42 | n.a. | T 26 |
| W27 | 19 11 25 | 15°52'34 | 0♋37 | 29°37 | 14°29 | 27°39 | 23°30 | 16°27 | 6°46 | 27°48 | 24°26 | 10°31 | 10°29 | 10°48 | n.a. | W27 |
| T 28 | 19 15 22 | 16°51'05 | 13°15 | 29°58 | 15°43 | 28°18 | 23°25 | 16°26 | 6°49 | 27°49 | 24°28 | 10°17 | 10°26 | 10°55 | n.a. | T 28 |
| F 29 | 19 19 18 | 17°49'37 | 26° 8 | 0♋28 | 16°56 | 28°58 | 23°20 | 16°25 | 6°53 | 27°50 | 24°30 | 10° 4 | 10°23 | 11° 2 | n.a. | F 29 |
| S 30 | 19 23 15 | 18°48'11 | 9♌13 | 1° 7 | 18° 9 | 29°37 | 23°15 | 16°24 | 6°57 | 27°51 | 24°33 | 9°52 | 10°20 | 11° 8 | n.a. | S 30 |
| S 31 | 19 27 11 | 19♋46'47 | 22♌31 | 1♋54 | 19♌23 | 0♌17 | 23♒ 9 | 16♏23 | 7♋ 1 | 27♍52 | 24♋35 | 9♎43 | 10♎16 | 11♉15 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n35 | 17n51 | 5s 2 | 20n13 | 3s 5 | 24n51 | 1n33 | 24n41 | 1n13 | 15s 8 | 1s38 | 16s 6 | 1n21 | 24n20 | 0n31 | 2n57 | 2n 8 | 35n55 | 14n21 | 5s11 | 4s47 | 12n17 | | n.a. |
| S 2 | 23 39 | 15 56 | 4 50 | 20 1 | 3 17 | 24 44 | 1 33 | 24 37 | 1 13 | 15 8 | 1 39 | 16 5 | 1 20 | 24 19 | 0 31 | 2 57 | 2 8 | 35 54 | 14 20 | 5 7 | 4 46 | 12 19 | | n.a. |
| S 3 | 23 43 | 13 12 | 4 23 | 19 50 | 3 28 | 24 35 | 1 33 | 24 34 | 1 12 | 15 9 | 1 39 | 16 4 | 1 20 | 24 19 | 0 31 | 2 57 | 2 8 | 35 54 | 14 20 | 5 4 | 4 44 | 12 20 | | n.a. |
| M 4 | 23 46 | 9 46 | 3 42 | 19 41 | 3 39 | 24 27 | 1 33 | 24 30 | 1 12 | 15 9 | 1 39 | 16 3 | 1 20 | 24 19 | 0 31 | 2 56 | 2 8 | 35 53 | 14 20 | 5 2 | 4 43 | 12 22 | | n.a. |
| T 5 | 23 48 | 5 46 | 2 48 | 19 32 | 3 49 | 24 17 | 1 33 | 24 26 | 1 12 | 15 10 | 1 40 | 16 3 | 1 20 | 24 19 | 0 31 | 2 56 | 2 8 | 35 53 | 14 20 | 5 1 | 4 42 | 12 23 | | n.a. |
| W 6 | 23 51 | 1 24 | 1 43 | 19 25 | 3 58 | 24 7 | 1 33 | 24 22 | 1 12 | 15 10 | 1 40 | 16 2 | 1 20 | 24 19 | 0 31 | 2 56 | 2 8 | 35 52 | 14 20 | 5 0 | 4 41 | 12 24 | | n.a. |
| T 7 | 23 52 | 3s 8 | 0 31 | 19 19 | 4 6 | 23 55 | 1 33 | 24 17 | 1 12 | 15 11 | 1 41 | 16 1 | 1 20 | 24 19 | 0 31 | 2 56 | 2 8 | 35 52 | 14 20 | 5 0 | 4 39 | 12 26 | | n.a. |
| F 8 | 23 54 | 7 35 | 0n44 | 19 15 | 4 13 | 23 44 | 1 32 | 24 13 | 1 12 | 15 12 | 1 41 | 16 1 | 1 19 | 24 19 | 0 31 | 2 56 | 2 8 | 35 51 | 14 19 | 5 0 | 4 38 | 12 27 | | n.a. |
| S 9 | 23 55 | 11 40 | 1 58 | 19 12 | 4 19 | 23 31 | 1 32 | 24 8 | 1 11 | 15 13 | 1 41 | 16 0 | 1 19 | 24 18 | 0 31 | 2 55 | 2 8 | 35 51 | 14 19 | 5 0 | 4 37 | 12 29 | | n.a. |
| S 10 | 23 55 | 15 6 | 3 4 | 19 11 | 4 23 | 23 18 | 1 32 | 24 3 | 1 11 | 15 13 | 1 42 | 15 59 | 1 19 | 24 18 | 0 31 | 2 55 | 2 8 | 35 50 | 14 19 | 4 58 | 4 35 | 12 30 | | n.a. |
| M11 | 23 55 | 17 34 | 3 59 | 19 12 | 4 25 | 23 4 | 1 31 | 23 58 | 1 11 | 15 14 | 1 42 | 15 59 | 1 19 | 24 18 | 0 31 | 2 55 | 2 8 | 35 50 | 14 19 | 4 56 | 4 34 | 12 32 | | n.a. |
| T 12 | 23 55 | 18 52 | 4 38 | 19 14 | 4 26 | 22 50 | 1 30 | 23 52 | 1 11 | 15 15 | 1 42 | 15 58 | 1 19 | 24 18 | 0 31 | 2 55 | 2 7 | 35 49 | 14 19 | 4 52 | 4 33 | 12 33 | | n.a. |
| W13 | 23 54 | 18 53 | 4 58 | 19 18 | 4 25 | 22 34 | 1 30 | 23 47 | 1 11 | 15 16 | 1 43 | 15 58 | 1 19 | 24 18 | 0 31 | 2 54 | 2 7 | 35 49 | 14 19 | 4 48 | 4 32 | 12 34 | | n.a. |
| T 14 | 23 53 | 17 41 | 4 59 | 19 24 | 4 23 | 22 19 | 1 29 | 23 41 | 1 11 | 15 18 | 1 43 | 15 57 | 1 18 | 24 18 | 0 31 | 2 54 | 2 7 | 35 48 | 14 19 | 4 43 | 4 30 | 12 36 | | n.a. |
| F 15 | 23 51 | 15 26 | 4 41 | 19 31 | 4 18 | 22 2 | 1 28 | 23 35 | 1 10 | 15 19 | 1 43 | 15 57 | 1 18 | 24 17 | 0 31 | 2 54 | 2 7 | 35 48 | 14 19 | 4 39 | 4 29 | 12 37 | | n.a. |
| S 16 | 23 49 | 12 23 | 4 8 | 19 40 | 4 11 | 21 45 | 1 27 | 23 29 | 1 10 | 15 20 | 1 43 | 15 56 | 1 18 | 24 17 | 0 31 | 2 53 | 2 7 | 35 47 | 14 19 | 4 35 | 4 28 | 12 39 | | n.a. |
| S 17 | 23 46 | 8 47 | 3 22 | 19 50 | 4 2 | 21 27 | 1 26 | 23 23 | 1 10 | 15 21 | 1 44 | 15 56 | 1 18 | 24 17 | 0 31 | 2 53 | 2 7 | 35 47 | 14 19 | 4 33 | 4 27 | 12 40 | | n.a. |
| M18 | 23 43 | 4 54 | 2 28 | 20 2 | 3 52 | 21 9 | 1 25 | 23 16 | 1 10 | 15 23 | 1 44 | 15 55 | 1 18 | 24 17 | 0 31 | 2 53 | 2 7 | 35 46 | 14 18 | 4 31 | 4 25 | 12 41 | | n.a. |
| T 19 | 23 40 | 0 54 | 1 27 | 20 15 | 3 40 | 20 50 | 1 24 | 23 10 | 1 10 | 15 24 | 1 44 | 15 55 | 1 17 | 24 17 | 0 31 | 2 52 | 2 7 | 35 46 | 14 18 | 4 30 | 4 24 | 12 43 | | n.a. |
| W20 | 23 36 | 3n 2 | 0 24 | 20 29 | 3 26 | 20 30 | 1 23 | 23 3 | 1 10 | 15 26 | 1 45 | 15 55 | 1 17 | 24 17 | 0 31 | 2 52 | 2 7 | 35 45 | 14 18 | 4 30 | 4 23 | 12 44 | | n.a. |
| T 21 | 23 32 | 6 48 | 0s39 | 20 44 | 3 11 | 20 10 | 1 22 | 22 56 | 1 9 | 15 27 | 1 45 | 15 54 | 1 17 | 24 16 | 0 31 | 2 52 | 2 7 | 35 45 | 14 18 | 4 30 | 4 22 | 12 45 | | n.a. |
| F 22 | 23 27 | 10 16 | 1 40 | 21 0 | 2 55 | 19 50 | 1 20 | 22 48 | 1 9 | 15 29 | 1 45 | 15 54 | 1 17 | 24 16 | 0 31 | 2 51 | 2 7 | 35 44 | 14 18 | 4 30 | 4 20 | 12 47 | | n.a. |
| S 23 | 23 22 | 13 19 | 2 36 | 21 17 | 2 38 | 19 28 | 1 19 | 22 41 | 1 9 | 15 31 | 1 46 | 15 54 | 1 17 | 24 16 | 0 31 | 2 51 | 2 7 | 35 44 | 14 18 | 4 29 | 4 19 | 12 48 | | n.a. |
| S 24 | 23 16 | 15 50 | 3 26 | 21 34 | 2 21 | 19 7 | 1 18 | 22 33 | 1 9 | 15 32 | 1 46 | 15 53 | 1 17 | 24 16 | 0 31 | 2 50 | 2 7 | 35 43 | 14 18 | 4 27 | 4 18 | 12 50 | | n.a. |
| M25 | 23 10 | 17 41 | 4 7 | 21 52 | 2 3 | 18 44 | 1 16 | 22 26 | 1 9 | 15 34 | 1 46 | 15 53 | 1 16 | 24 16 | 0 31 | 2 50 | 2 7 | 35 43 | 14 18 | 4 24 | 4 16 | 12 51 | | n.a. |
| T 26 | 23 4 | 18 46 | 4 38 | 22 10 | 1 45 | 18 21 | 1 14 | 22 18 | 1 8 | 15 36 | 1 47 | 15 53 | 1 16 | 24 15 | 0 31 | 2 50 | 2 7 | 35 42 | 14 18 | 4 19 | 4 15 | 12 52 | | n.a. |
| W27 | 22 57 | 18 59 | 4 56 | 22 28 | 1 27 | 17 58 | 1 13 | 22 10 | 1 8 | 15 38 | 1 47 | 15 53 | 1 16 | 24 15 | 0 31 | 2 49 | 2 6 | 35 42 | 14 18 | 4 14 | 4 14 | 12 54 | | n.a. |
| T 28 | 22 50 | 18 16 | 5 0 | 22 46 | 1 9 | 17 34 | 1 11 | 22 1 | 1 8 | 15 40 | 1 47 | 15 53 | 1 16 | 24 15 | 0 31 | 2 49 | 2 6 | 35 41 | 14 18 | 4 9 | 4 13 | 12 55 | | n.a. |
| F 29 | 22 42 | 16 37 | 4 49 | 23 3 | 0 52 | 17 10 | 1 9 | 21 53 | 1 8 | 15 42 | 1 47 | 15 53 | 1 16 | 24 15 | 0 31 | 2 48 | 2 6 | 35 41 | 14 18 | 4 4 | 4 11 | 12 56 | | n.a. |
| S 30 | 22 34 | 14 5 | 4 23 | 23 20 | 0 35 | 16 45 | 1 7 | 21 44 | 1 7 | 15 44 | 1 48 | 15 52 | 1 15 | 24 15 | 0 31 | 2 48 | 2 6 | 35 41 | 14 18 | 3 59 | 4 10 | 12 58 | | n.a. |
| S 31 | 22n26 | 10n48 | 3s42 | 23n35 | 0s19 | 16n20 | 1n 5 | 21n35 | 1n 7 | 15s46 | 1s48 | 15s52 | 1n15 | 24n15 | 0n31 | 2n47 | 2n 6 | 35n40 | 14n18 | 3s56 | 4s 9 | 12n59 | | n.a. |

Julian Day Number = 995487.5, Delta T = 12h57m25s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'30, Lahiri = -31°21'29 Julian Calendar 1 July 1988 BCE == Greg. Calendar 14 June 1988 BCE

The year -1987 astronomical counting style corresponds to year 1988 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## AUGUST 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 31 8 | 20♋45'25 | 5♍59 | 2♋49 | 20♌36 | 0♌56 | 23°R 4 | 16°R23 | 7♋ 4 | 27♍53 | 24♋37 | 9°R37 | 10♎13 | 11♉22 | n.a. | M 1 |
| T 2 | 19 35 4 | 21°44'05 | 19°36 | 3°51 | 21°49 | 1°36 | 22♒58 | 16♏22 | 7° 8 | 27°54 | 24°39 | 9♎33 | 10°10 | 11°28 | n.a. | T 2 |
| W 3 | 19 39 1 | 22°42'47 | 3♎22 | 5° 0 | 23° 2 | 2°15 | 22°52 | 16°21 | 7°12 | 27°55 | 24°41 | 9°32 | 10° 7 | 11°35 | n.a. | W 3 |
| T 4 | 19 42 57 | 23°41'31 | 17°18 | 6°16 | 24°16 | 2°55 | 22°46 | 16°21 | 7°15 | 27°57 | 24°44 | 9°32 | 10° 4 | 11°42 | n.a. | T 4 |
| F 5 | 19 46 54 | 24°40'16 | 1♏22 | 7°37 | 25°29 | 3°35 | 22°40 | 16°21 | 7°19 | 27°58 | 24°46 | 9°32 | 10° 1 | 11°48 | n.a. | F 5 |
| S 6 | 19 50 50 | 25°39'04 | 15°34 | 9° 3 | 26°42 | 4°15 | 22°33 | 16°20 | 7°23 | 27°59 | 24°48 | 9°31 | 9°57 | 11°55 | n.a. | S 6 |
| S 7 | 19 54 47 | 26°37'53 | 29°52 | 10°34 | 27°55 | 4°54 | 22°27 | 16°20 | 7°26 | 28° 0 | 24°50 | 9°27 | 9°54 | 12° 2 | n.a. | S 7 |
| M 8 | 19 58 44 | 27°36'45 | 14♐15 | 12° 9 | 29° 8 | 5°34 | 22°20 | 16°D20 | 7°30 | 28° 2 | 24°52 | 9°21 | 9°51 | 12° 8 | n.a. | M 8 |
| T 9 | 20 2 40 | 28°35'38 | 28°36 | 13°46 | 0♍21 | 6°14 | 22°13 | 16°20 | 7°33 | 28° 3 | 24°54 | 9°12 | 9°48 | 12°15 | n.a. | T 9 |
| W10 | 20 6 37 | 29°34'33 | 12♑52 | 15°27 | 1°34 | 6°54 | 22° 7 | 16°20 | 7°37 | 28° 4 | 24°57 | 9° 2 | 9°45 | 12°22 | n.a. | W10 |
| T 11 | 20 10 33 | 0♌33'31 | 26°56 | 17°10 | 2°47 | 7°34 | 22° 0 | 16°21 | 7°41 | 28° 6 | 24°59 | 8°51 | 9°42 | 12°28 | n.a. | T 11 |
| F 12 | 20 14 30 | 1°32'30 | 10♒43 | 18°55 | 4° 0 | 8°14 | 21°53 | 16°21 | 7°44 | 28° 7 | 25° 1 | 8°40 | 9°38 | 12°35 | n.a. | F 12 |
| S 13 | 20 18 26 | 2°31'32 | 24°10 | 20°41 | 5°13 | 8°54 | 21°45 | 16°21 | 7°48 | 28° 9 | 25° 3 | 8°31 | 9°35 | 12°42 | n.a. | S 13 |
| S 14 | 20 22 23 | 3°30'36 | 7♓14 | 22°29 | 6°26 | 9°34 | 21°38 | 16°22 | 7°51 | 28°10 | 25° 5 | 8°25 | 9°32 | 12°48 | n.a. | S 14 |
| M15 | 20 26 19 | 4°29'43 | 19°57 | 24°17 | 7°39 | 10°14 | 21°31 | 16°23 | 7°55 | 28°11 | 25° 7 | 8°21 | 9°29 | 12°55 | n.a. | M15 |
| T 16 | 20 30 16 | 5°28'52 | 2♈21 | 26° 5 | 8°52 | 10°54 | 21°23 | 16°23 | 7°58 | 28°13 | 25°10 | 8°19 | 9°26 | 13° 2 | n.a. | T 16 |
| W17 | 20 34 12 | 6°28'03 | 14°28 | 27°54 | 10° 5 | 11°34 | 21°16 | 16°24 | 8° 2 | 28°15 | 25°12 | 8°D19 | 9°22 | 13° 8 | n.a. | W17 |
| T 18 | 20 38 9 | 7°27'17 | 26°25 | 29°43 | 11°17 | 12°15 | 21° 8 | 16°25 | 8° 5 | 28°16 | 25°14 | 8°20 | 9°19 | 13°15 | n.a. | T 18 |
| F 19 | 20 42 6 | 8°26'33 | 8♉15 | 1♌31 | 12°30 | 12°55 | 21° 0 | 16°26 | 8° 8 | 28°18 | 25°16 | 8°R20 | 9°16 | 13°22 | n.a. | F 19 |
| S 20 | 20 46 2 | 9°25'52 | 20° 5 | 3°20 | 13°43 | 13°35 | 20°53 | 16°27 | 8°12 | 28°19 | 25°18 | 8°20 | 9°13 | 13°28 | n.a. | S 20 |
| S 21 | 20 49 59 | 10°25'13 | 1♊59 | 5° 8 | 14°56 | 14°15 | 20°45 | 16°29 | 8°15 | 28°21 | 25°20 | 8°17 | 9°10 | 13°35 | n.a. | S 21 |
| M22 | 20 53 55 | 11°24'37 | 14° 2 | 6°56 | 16° 8 | 14°56 | 20°37 | 16°30 | 8°18 | 28°23 | 25°22 | 8°12 | 9° 7 | 13°42 | n.a. | M22 |
| T 23 | 20 57 52 | 12°24'04 | 26°19 | 8°43 | 17°21 | 15°36 | 20°29 | 16°31 | 8°22 | 28°24 | 25°25 | 8° 5 | 9° 3 | 13°48 | n.a. | T 23 |
| W24 | 21 1 48 | 13°23'32 | 8♋52 | 10°29 | 18°34 | 16°17 | 20°21 | 16°33 | 8°25 | 28°26 | 25°27 | 7°57 | 9° 0 | 13°55 | n.a. | W24 |
| T 25 | 21 5 45 | 14°23'03 | 21°43 | 12°15 | 19°46 | 16°57 | 20°13 | 16°35 | 8°28 | 28°28 | 25°29 | 7°47 | 8°57 | 14° 2 | n.a. | T 25 |
| F 26 | 21 9 41 | 15°22'37 | 4♌53 | 14° 0 | 20°59 | 17°38 | 20° 5 | 16°36 | 8°31 | 28°29 | 25°31 | 7°37 | 8°54 | 14° 8 | n.a. | F 26 |
| S 27 | 21 13 38 | 16°22'12 | 18°20 | 15°45 | 22°12 | 18°19 | 19°57 | 16°38 | 8°35 | 28°31 | 25°33 | 7°29 | 8°51 | 14°15 | n.a. | S 27 |
| S 28 | 21 17 34 | 17°21'50 | 2♍ 2 | 17°28 | 23°24 | 18°59 | 19°49 | 16°40 | 8°38 | 28°33 | 25°35 | 7°22 | 8°47 | 14°22 | n.a. | S 28 |
| M29 | 21 21 31 | 18°21'30 | 15°55 | 19°11 | 24°37 | 19°40 | 19°41 | 16°42 | 8°41 | 28°35 | 25°37 | 7°18 | 8°44 | 14°28 | n.a. | M29 |
| T 30 | 21 25 28 | 19°21'12 | 29°57 | 20°54 | 25°49 | 20°21 | 19°32 | 16°44 | 8°44 | 28°37 | 25°39 | 7°16 | 8°41 | 14°35 | n.a. | T 30 |
| W31 | 21 29 24 | 20♌20'56 | 14♎ 3 | 22♌35 | 27♍ 2 | 21♌ 1 | 19♒24 | 16♏46 | 8♋47 | 28♍39 | 25♋41 | 7°D16 | 8♎38 | 14♉42 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n17 | 6n55 | 2s48 | 23n50 | 0s 4 | 15n55 | 1n 3 | 21n26 | 1n 7 | 15s48 | 1s48 | 15s52 | 1n15 | 24n14 | 0n31 | 2n47 | 2n 6 | 35n40 | 14n18 | 3s53 | 4s 8 | 13n 1 | | n.a. |
| T 2 | 22 8 | 2 37 | 1 44 | 24 3 | 0n11 | 15 29 | 1 1 | 21 17 | 1 7 | 15 50 | 1 48 | 15 52 | 1 15 | 24 14 | 0 31 | 2 46 | 2 6 | 35 39 | 14 18 | 3 52 | 4 6 | 13 2 | | n.a. |
| W 3 | 21 58 | 1s52 | 0 33 | 24 14 | 0 25 | 15 2 | 0 59 | 21 8 | 1 7 | 15 53 | 1 49 | 15 52 | 1 15 | 24 14 | 0 31 | 2 46 | 2 6 | 35 39 | 14 18 | 3 51 | 4 5 | 13 3 | | n.a. |
| T 4 | 21 48 | 6 18 | 0n41 | 24 23 | 0 37 | 14 35 | 0 57 | 20 58 | 1 6 | 15 55 | 1 49 | 15 53 | 1 14 | 24 14 | 0 31 | 2 45 | 2 6 | 35 39 | 14 18 | 3 51 | 4 4 | 13 5 | | n.a. |
| F 5 | 21 37 | 10 25 | 1 53 | 24 31 | 0 49 | 14 8 | 0 55 | 20 49 | 1 6 | 15 57 | 1 49 | 15 53 | 1 14 | 24 14 | 0 31 | 2 45 | 2 6 | 35 38 | 14 18 | 3 51 | 4 2 | 13 6 | | n.a. |
| S 6 | 21 26 | 13 59 | 2 59 | 24 36 | 0 59 | 13 41 | 0 52 | 20 39 | 1 6 | 15 59 | 1 49 | 15 53 | 1 14 | 24 13 | 0 31 | 2 44 | 2 6 | 35 38 | 14 18 | 3 50 | 4 1 | 13 7 | | n.a. |
| S 7 | 21 15 | 16 43 | 3 54 | 24 38 | 1 9 | 13 13 | 0 50 | 20 29 | 1 6 | 16 2 | 1 50 | 15 53 | 1 14 | 24 13 | 0 31 | 2 43 | 2 6 | 35 37 | 14 18 | 3 49 | 4 0 | 13 9 | | n.a. |
| M 8 | 21 3 | 18 26 | 4 34 | 24 38 | 1 17 | 12 45 | 0 47 | 20 19 | 1 5 | 16 4 | 1 50 | 15 53 | 1 14 | 24 13 | 0 31 | 2 43 | 2 6 | 35 37 | 14 19 | 3 47 | 3 59 | 13 10 | | n.a. |
| T 9 | 20 51 | 18 58 | 4 57 | 24 36 | 1 25 | 12 16 | 0 45 | 20 8 | 1 5 | 16 7 | 1 50 | 15 53 | 1 13 | 24 13 | 0 31 | 2 42 | 2 6 | 35 37 | 14 19 | 3 43 | 3 57 | 13 11 | | n.a. |
| W10 | 20 39 | 18 17 | 5 2 | 24 31 | 1 31 | 11 47 | 0 42 | 19 58 | 1 5 | 16 9 | 1 50 | 15 53 | 1 13 | 24 13 | 0 31 | 2 42 | 2 6 | 35 36 | 14 19 | 3 39 | 3 56 | 13 13 | | n.a. |
| T 11 | 20 26 | 16 29 | 4 48 | 24 24 | 1 37 | 11 18 | 0 40 | 19 47 | 1 5 | 16 12 | 1 50 | 15 54 | 1 13 | 24 12 | 0 31 | 2 41 | 2 5 | 35 36 | 14 19 | 3 34 | 3 55 | 13 14 | | n.a. |
| F 12 | 20 13 | 13 47 | 4 17 | 24 14 | 1 41 | 10 49 | 0 37 | 19 36 | 1 4 | 16 14 | 1 51 | 15 54 | 1 13 | 24 12 | 0 31 | 2 40 | 2 5 | 35 36 | 14 19 | 3 30 | 3 54 | 13 15 | | n.a. |
| S 13 | 19 59 | 10 24 | 3 33 | 24 1 | 1 45 | 10 19 | 0 34 | 19 25 | 1 4 | 16 17 | 1 51 | 15 54 | 1 13 | 24 12 | 0 31 | 2 40 | 2 5 | 35 35 | 14 19 | 3 27 | 3 52 | 13 17 | | n.a. |
| S 14 | 19 46 | 6 35 | 2 38 | 23 47 | 1 48 | 9 49 | 0 32 | 19 14 | 1 4 | 16 19 | 1 51 | 15 55 | 1 12 | 24 12 | 0 31 | 2 39 | 2 5 | 35 35 | 14 19 | 3 24 | 3 51 | 13 18 | | n.a. |
| M15 | 19 31 | 2 35 | 1 36 | 23 30 | 1 50 | 9 19 | 0 29 | 19 3 | 1 3 | 16 22 | 1 51 | 15 55 | 1 12 | 24 12 | 0 31 | 2 39 | 2 5 | 35 35 | 14 19 | 3 22 | 3 50 | 13 19 | | n.a. |
| T 16 | 19 17 | 1n26 | 0 32 | 23 11 | 1 51 | 8 48 | 0 26 | 18 51 | 1 3 | 16 24 | 1 51 | 15 55 | 1 12 | 24 11 | 0 31 | 2 38 | 2 5 | 35 34 | 14 19 | 3 22 | 3 48 | 13 21 | | n.a. |
| W17 | 19 2 | 5 19 | 0s33 | 22 49 | 1 52 | 8 18 | 0 23 | 18 40 | 1 3 | 16 27 | 1 51 | 15 56 | 1 12 | 24 11 | 0 31 | 2 37 | 2 5 | 35 34 | 14 20 | 3 22 | 3 47 | 13 22 | | n.a. |
| T 18 | 18 47 | 8 55 | 1 35 | 22 26 | 1 52 | 7 47 | 0 20 | 18 28 | 1 3 | 16 30 | 1 51 | 15 56 | 1 12 | 24 11 | 0 31 | 2 36 | 2 5 | 35 34 | 14 20 | 3 22 | 3 46 | 13 23 | | n.a. |
| F 19 | 18 31 | 12 7 | 2 33 | 22 1 | 1 51 | 7 16 | 0 17 | 18 16 | 1 2 | 16 32 | 1 52 | 15 57 | 1 11 | 24 11 | 0 31 | 2 36 | 2 5 | 35 34 | 14 20 | 3 22 | 3 45 | 13 25 | | n.a. |
| S 20 | 18 15 | 14 50 | 3 24 | 21 35 | 1 50 | 6 45 | 0 14 | 18 4 | 1 2 | 16 35 | 1 52 | 15 57 | 1 11 | 24 11 | 0 31 | 2 35 | 2 5 | 35 33 | 14 20 | 3 22 | 3 43 | 13 26 | | n.a. |
| S 21 | 17 59 | 16 56 | 4 7 | 21 7 | 1 48 | 6 13 | 0 11 | 17 52 | 1 2 | 16 38 | 1 52 | 15 58 | 1 11 | 24 11 | 0 31 | 2 34 | 2 5 | 35 33 | 14 20 | 3 21 | 3 42 | 13 27 | | n.a. |
| M22 | 17 42 | 18 19 | 4 39 | 20 37 | 1 46 | 5 42 | 0 8 | 17 40 | 1 1 | 16 40 | 1 52 | 15 58 | 1 11 | 24 10 | 0 31 | 2 34 | 2 5 | 35 33 | 14 20 | 3 19 | 3 41 | 13 29 | | n.a. |
| T 23 | 17 25 | 18 53 | 5 0 | 20 6 | 1 43 | 5 10 | 0 5 | 17 27 | 1 1 | 16 43 | 1 52 | 15 59 | 1 11 | 24 10 | 0 31 | 2 33 | 2 5 | 35 32 | 14 21 | 3 16 | 3 40 | 13 30 | | n.a. |
| W24 | 17 8 | 18 32 | 5 6 | 19 34 | 1 40 | 4 38 | 0 2 | 17 14 | 1 1 | 16 46 | 1 52 | 16 0 | 1 10 | 24 10 | 0 31 | 2 32 | 2 5 | 35 32 | 14 21 | 3 13 | 3 38 | 13 31 | | n.a. |
| T 25 | 16 51 | 17 14 | 4 57 | 19 1 | 1 37 | 4 6 | 0s 2 | 17 2 | 1 1 | 16 48 | 1 52 | 16 0 | 1 10 | 24 10 | 0 31 | 2 31 | 2 5 | 35 32 | 14 21 | 3 9 | 3 37 | 13 33 | | n.a. |
| F 26 | 16 33 | 15 1 | 4 32 | 18 26 | 1 33 | 3 34 | 0 5 | 16 49 | 1 0 | 16 51 | 1 52 | 16 1 | 1 10 | 24 10 | 0 31 | 2 31 | 2 5 | 35 32 | 14 21 | 3 5 | 3 36 | 13 34 | | n.a. |
| S 27 | 16 15 | 11 57 | 3 52 | 17 51 | 1 29 | 3 2 | 0 8 | 16 36 | 1 0 | 16 54 | 1 52 | 16 2 | 1 10 | 24 9 | 0 31 | 2 30 | 2 5 | 35 31 | 14 21 | 3 2 | 3 34 | 13 35 | | n.a. |
| S 28 | 15 56 | 8 12 | 2 58 | 17 14 | 1 24 | 2 30 | 0 11 | 16 22 | 1 0 | 16 56 | 1 52 | 16 2 | 1 10 | 24 9 | 0 31 | 2 29 | 2 5 | 35 31 | 14 22 | 2 59 | 3 33 | 13 37 | | n.a. |
| M29 | 15 38 | 3 56 | 1 53 | 16 37 | 1 19 | 1 58 | 0 15 | 16 9 | 0 59 | 16 59 | 1 52 | 16 3 | 1 10 | 24 9 | 0 31 | 2 28 | 2 5 | 35 31 | 14 22 | 2 57 | 3 32 | 13 38 | | n.a. |
| T 30 | 15 19 | 0s35 | 0 39 | 15 59 | 1 14 | 1 25 | 0 18 | 15 56 | 0 59 | 17 2 | 1 52 | 16 4 | 1 9 | 24 9 | 0 31 | 2 28 | 2 5 | 35 31 | 14 22 | 2 56 | 3 31 | 13 39 | | n.a. |
| W31 | 15n 0 | 5s 5 | 0n37 | 15n21 | 1n 9 | 0n53 | 0s21 | 15n42 | 0n59 | 17s 4 | 1s52 | 16s 5 | 1n 9 | 24n 9 | 0n31 | 2n27 | 2n 4 | 35n31 | 14n22 | 2s56 | 3s29 | 13n40 | | n.a. |

Julian Day Number = 995518.5, Delta T = 12h57m23s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'25, Lahiri = -31°21'25 Julian Calendar 1 Aug. 1988 BCE == Greg. Calendar 15 July 1988 BCE

The year -1987 astronomical counting style corresponds to year 1988 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## SEPTEMBER 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 33 21 | 21♌20'42 | 28♎12 | 24♌16 | 28♍14 | 21♌42 | 19°R16 | 16♏49 | 8♋50 | 28♍40 | 25♋43 | 7♎17 | 8♎35 | 14♉48 | n.a. | T 1 |
| F 2 | 21 37 17 | 22°20'29 | 12♏22 | 25°57 | 29°26 | 22°23 | 19♒ 8 | 16°51 | 8°53 | 28°42 | 25°45 | 7°18 | 8°32 | 14°55 | n.a. | F 2 |
| S 3 | 21 41 14 | 23°20'19 | 26°31 | 27°36 | 0♎39 | 23° 4 | 19° 0 | 16°54 | 8°56 | 28°44 | 25°47 | 7°R18 | 8°28 | 15° 2 | n.a. | S 3 |
| S 4 | 21 45 10 | 24°20'11 | 10♐37 | 29°15 | 1°51 | 23°45 | 18°52 | 16°56 | 8°59 | 28°46 | 25°49 | 7°17 | 8°25 | 15° 8 | n.a. | S 4 |
| M 5 | 21 49 7 | 25°20'04 | 24°39 | 0♍53 | 3° 3 | 24°26 | 18°44 | 16°59 | 9° 2 | 28°48 | 25°51 | 7°14 | 8°22 | 15°15 | n.a. | M 5 |
| T 6 | 21 53 3 | 26°19'59 | 8♑36 | 2°31 | 4°15 | 25° 7 | 18°36 | 17° 2 | 9° 5 | 28°50 | 25°53 | 7° 9 | 8°19 | 15°22 | n.a. | T 6 |
| W 7 | 21 57 0 | 27°19'56 | 22°23 | 4° 8 | 5°27 | 25°48 | 18°28 | 17° 4 | 9° 8 | 28°52 | 25°55 | 7° 3 | 8°16 | 15°28 | n.a. | W 7 |
| T 8 | 22 0 56 | 28°19'55 | 6♒ 0 | 5°44 | 6°39 | 26°29 | 18°20 | 17° 7 | 9°10 | 28°54 | 25°57 | 6°56 | 8°13 | 15°35 | n.a. | T 8 |
| F 9 | 22 4 53 | 29°19'56 | 19°23 | 7°20 | 7°51 | 27°10 | 18°12 | 17°10 | 9°13 | 28°56 | 25°59 | 6°50 | 8° 9 | 15°42 | n.a. | F 9 |
| S 10 | 22 8 50 | 0♍19'59 | 2♓30 | 8°56 | 9° 3 | 27°52 | 18° 5 | 17°13 | 9°16 | 28°58 | 26° 1 | 6°45 | 8° 6 | 15°48 | n.a. | S 10 |
| S 11 | 22 12 46 | 1°20'04 | 15°21 | 10°30 | 10°15 | 28°33 | 17°57 | 17°17 | 9°19 | 29° 0 | 26° 3 | 6°41 | 8° 3 | 15°55 | n.a. | S 11 |
| M12 | 22 16 43 | 2°20'11 | 27°54 | 12° 5 | 11°27 | 29°14 | 17°49 | 17°20 | 9°21 | 29° 2 | 26° 4 | 6°39 | 8° 0 | 16° 2 | n.a. | M12 |
| T 13 | 22 20 39 | 3°20'20 | 10♈13 | 13°38 | 12°39 | 29°56 | 17°42 | 17°23 | 9°24 | 29° 4 | 26° 6 | 6°D39 | 7°57 | 16° 8 | n.a. | T 13 |
| W14 | 22 24 36 | 4°20'31 | 22°18 | 15°11 | 13°51 | 0♍37 | 17°34 | 17°27 | 9°26 | 29° 6 | 26° 8 | 6°39 | 7°53 | 16°15 | n.a. | W14 |
| T 15 | 22 28 32 | 5°20'45 | 4♉14 | 16°44 | 15° 2 | 1°18 | 17°27 | 17°30 | 9°29 | 29° 8 | 26°10 | 6°41 | 7°50 | 16°22 | n.a. | T 15 |
| F 16 | 22 32 29 | 6°21'00 | 16° 5 | 18°16 | 16°14 | 2° 0 | 17°20 | 17°34 | 9°31 | 29°11 | 26°12 | 6°43 | 7°47 | 16°28 | n.a. | F 16 |
| S 17 | 22 36 25 | 7°21'18 | 27°54 | 19°48 | 17°26 | 2°41 | 17°13 | 17°38 | 9°34 | 29°13 | 26°13 | 6°44 | 7°44 | 16°35 | n.a. | S 17 |
| S 18 | 22 40 22 | 8°21'38 | 9♊48 | 21°19 | 18°37 | 3°23 | 17° 6 | 17°42 | 9°36 | 29°15 | 26°15 | 6°R45 | 7°41 | 16°42 | n.a. | S 18 |
| M19 | 22 44 18 | 9°22'01 | 21°51 | 22°50 | 19°49 | 4° 5 | 16°59 | 17°45 | 9°39 | 29°17 | 26°17 | 6°44 | 7°38 | 16°48 | n.a. | M19 |
| T 20 | 22 48 15 | 10°22'25 | 4♋ 8 | 24°20 | 21° 0 | 4°46 | 16°52 | 17°49 | 9°41 | 29°19 | 26°19 | 6°42 | 7°34 | 16°55 | n.a. | T 20 |
| W21 | 22 52 12 | 11°22'52 | 16°43 | 25°50 | 22°12 | 5°28 | 16°45 | 17°53 | 9°43 | 29°21 | 26°20 | 6°39 | 7°31 | 17° 2 | n.a. | W21 |
| T 22 | 22 56 8 | 12°23'21 | 29°39 | 27°20 | 23°23 | 6°10 | 16°38 | 17°58 | 9°45 | 29°23 | 26°22 | 6°35 | 7°28 | 17° 8 | n.a. | T 22 |
| F 23 | 23 0 5 | 13°23'52 | 12♌57 | 28°49 | 24°34 | 6°52 | 16°32 | 18° 2 | 9°48 | 29°26 | 26°23 | 6°32 | 7°25 | 17°15 | n.a. | F 23 |
| S 24 | 23 4 1 | 14°24'24 | 26°38 | 0♎17 | 25°45 | 7°33 | 16°26 | 18° 6 | 9°50 | 29°28 | 26°25 | 6°28 | 7°22 | 17°22 | n.a. | S 24 |
| S 25 | 23 7 58 | 15°24'59 | 10♍40 | 1°45 | 26°56 | 8°15 | 16°20 | 18°10 | 9°52 | 29°30 | 26°27 | 6°26 | 7°19 | 17°29 | n.a. | S 25 |
| M26 | 23 11 54 | 16°25'35 | 24°58 | 3°12 | 28° 8 | 8°57 | 16°13 | 18°15 | 9°54 | 29°32 | 26°28 | 6°24 | 7°15 | 17°35 | n.a. | M26 |
| T 27 | 23 15 51 | 17°26'13 | 9♎27 | 4°39 | 29°19 | 9°39 | 16° 8 | 18°19 | 9°56 | 29°34 | 26°30 | 6°D24 | 7°12 | 17°42 | n.a. | T 27 |
| W28 | 23 19 47 | 18°26'52 | 24° 2 | 6° 5 | 0♏29 | 10°21 | 16° 2 | 18°24 | 9°58 | 29°37 | 26°31 | 6°25 | 7° 9 | 17°49 | n.a. | W28 |
| T 29 | 23 23 44 | 19°27'33 | 8♏36 | 7°31 | 1°40 | 11° 3 | 15°56 | 18°29 | 10° 0 | 29°39 | 26°33 | 6°26 | 7° 6 | 17°55 | n.a. | T 29 |
| F 30 | 23 27 41 | 20♍28'16 | 23♏ 5 | 8♎56 | 2♏51 | 11♍46 | 15♒51 | 18♏33 | 10♋ 1 | 29♍41 | 26♋34 | 6♎27 | 7♎ 3 | 18♉ 2 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n40 | 9s20 | 1n51 | 14n42 | 1n 4 | 0n20 | 0s25 | 15n28 | 0n58 | 17s 7 | 1s52 | 16s 6 | 1n 9 | 24n 8 | 0n31 | 2n26 | 2n 4 | 35n31 | 14n23 | 2s57 | 3s28 | 13n42 | | n.a. |
| F 2 | 14 21 | 13 2 | 2 58 | 14 2 | 0 58 | 0s12 | 0 28 | 15 14 | 0 58 | 17 10 | 1 52 | 16 7 | 1 9 | 24 8 | 0 31 | 2 25 | 2 4 | 35 30 | 14 23 | 2 57 | 3 27 | 13 43 | | n.a. |
| S 3 | 14 1 | 15 57 | 3 55 | 13 22 | 0 52 | 0 44 | 0 32 | 15 0 | 0 58 | 17 12 | 1 52 | 16 7 | 1 9 | 24 8 | 0 31 | 2 24 | 2 4 | 35 30 | 14 23 | 2 57 | 3 26 | 13 44 | | n.a. |
| S 4 | 13 40 | 17 55 | 4 37 | 12 41 | 0 46 | 1 17 | 0 35 | 14 46 | 0 57 | 17 15 | 1 52 | 16 8 | 1 8 | 24 8 | 0 32 | 2 24 | 2 4 | 35 30 | 14 23 | 2 57 | 3 24 | 13 46 | | n.a. |
| M 5 | 13 20 | 18 46 | 5 3 | 12 0 | 0 40 | 1 49 | 0 38 | 14 32 | 0 57 | 17 17 | 1 52 | 16 9 | 1 8 | 24 8 | 0 32 | 2 23 | 2 4 | 35 30 | 14 24 | 2 56 | 3 23 | 13 47 | | n.a. |
| T 6 | 12 59 | 18 29 | 5 10 | 11 19 | 0 34 | 2 22 | 0 42 | 14 18 | 0 57 | 17 20 | 1 52 | 16 10 | 1 8 | 24 8 | 0 32 | 2 22 | 2 4 | 35 30 | 14 24 | 2 54 | 3 22 | 13 48 | | n.a. |
| W 7 | 12 39 | 17 6 | 4 59 | 10 37 | 0 28 | 2 54 | 0 45 | 14 3 | 0 56 | 17 22 | 1 52 | 16 11 | 1 8 | 24 7 | 0 32 | 2 21 | 2 4 | 35 30 | 14 24 | 2 51 | 3 20 | 13 49 | | n.a. |
| T 8 | 12 17 | 14 46 | 4 31 | 9 55 | 0 21 | 3 26 | 0 49 | 13 49 | 0 56 | 17 25 | 1 52 | 16 12 | 1 8 | 24 7 | 0 32 | 2 20 | 2 4 | 35 29 | 14 24 | 2 48 | 3 19 | 13 51 | | n.a. |
| F 9 | 11 56 | 11 41 | 3 49 | 9 13 | 0 15 | 3 58 | 0 52 | 13 34 | 0 56 | 17 27 | 1 52 | 16 13 | 1 7 | 24 7 | 0 32 | 2 19 | 2 4 | 35 29 | 14 25 | 2 46 | 3 18 | 13 52 | | n.a. |
| S 10 | 11 35 | 8 4 | 2 55 | 8 31 | 0 8 | 4 30 | 0 56 | 13 19 | 0 55 | 17 30 | 1 52 | 16 14 | 1 7 | 24 7 | 0 32 | 2 19 | 2 4 | 35 29 | 14 25 | 2 44 | 3 17 | 13 53 | | n.a. |
| S 11 | 11 13 | 4 9 | 1 54 | 7 48 | 0 2 | 5 2 | 0 59 | 13 4 | 0 55 | 17 32 | 1 52 | 16 16 | 1 7 | 24 7 | 0 32 | 2 18 | 2 4 | 35 29 | 14 25 | 2 42 | 3 15 | 13 55 | | n.a. |
| M12 | 10 51 | 0 7 | 0 48 | 7 6 | 0s 5 | 5 34 | 1 2 | 12 49 | 0 54 | 17 34 | 1 52 | 16 17 | 1 7 | 24 7 | 0 32 | 2 17 | 2 4 | 35 29 | 14 26 | 2 41 | 3 14 | 13 56 | | n.a. |
| T 13 | 10 29 | 3n49 | 0s20 | 6 23 | 0 11 | 6 6 | 1 6 | 12 34 | 0 54 | 17 37 | 1 52 | 16 18 | 1 7 | 24 6 | 0 32 | 2 16 | 2 4 | 35 29 | 14 26 | 2 41 | 3 13 | 13 57 | | n.a. |
| W14 | 10 7 | 7 33 | 1 25 | 5 40 | 0 18 | 6 38 | 1 9 | 12 19 | 0 54 | 17 39 | 1 52 | 16 19 | 1 7 | 24 6 | 0 32 | 2 15 | 2 4 | 35 29 | 14 26 | 2 42 | 3 11 | 13 58 | | n.a. |
| T 15 | 9 44 | 10 54 | 2 26 | 4 58 | 0 25 | 7 9 | 1 13 | 12 3 | 0 53 | 17 41 | 1 52 | 16 20 | 1 6 | 24 6 | 0 32 | 2 14 | 2 4 | 35 29 | 14 27 | 2 42 | 3 10 | 14 0 | | n.a. |
| F 16 | 9 22 | 13 48 | 3 20 | 4 15 | 0 31 | 7 41 | 1 16 | 11 48 | 0 53 | 17 43 | 1 52 | 16 21 | 1 6 | 24 6 | 0 32 | 2 13 | 2 4 | 35 29 | 14 27 | 2 43 | 3 9 | 14 1 | | n.a. |
| S 17 | 8 59 | 16 7 | 4 5 | 3 32 | 0 38 | 8 12 | 1 19 | 11 32 | 0 53 | 17 45 | 1 51 | 16 23 | 1 6 | 24 6 | 0 32 | 2 12 | 2 4 | 35 29 | 14 27 | 2 44 | 3 8 | 14 2 | | n.a. |
| S 18 | 8 36 | 17 45 | 4 40 | 2 49 | 0 45 | 8 43 | 1 23 | 11 16 | 0 52 | 17 47 | 1 51 | 16 24 | 1 6 | 24 6 | 0 32 | 2 12 | 2 4 | 35 29 | 14 28 | 2 44 | 3 6 | 14 3 | | n.a. |
| M19 | 8 13 | 18 36 | 5 4 | 2 7 | 0 51 | 9 13 | 1 26 | 11 1 | 0 52 | 17 49 | 1 51 | 16 25 | 1 6 | 24 6 | 0 32 | 2 11 | 2 4 | 35 29 | 14 28 | 2 44 | 3 5 | 14 5 | | n.a. |
| T 20 | 7 50 | 18 37 | 5 14 | 1 25 | 0 58 | 9 44 | 1 29 | 10 45 | 0 51 | 17 51 | 1 51 | 16 26 | 1 6 | 24 5 | 0 32 | 2 10 | 2 4 | 35 29 | 14 29 | 2 43 | 3 4 | 14 6 | | n.a. |
| W21 | 7 26 | 17 44 | 5 10 | 0 42 | 1 4 | 10 14 | 1 33 | 10 29 | 0 51 | 17 53 | 1 51 | 16 28 | 1 5 | 24 5 | 0 32 | 2 9 | 2 4 | 35 29 | 14 29 | 2 41 | 3 3 | 14 7 | | n.a. |
| T 22 | 7 3 | 15 55 | 4 50 | 0 0 | 1 11 | 10 44 | 1 36 | 10 13 | 0 51 | 17 55 | 1 51 | 16 29 | 1 5 | 24 5 | 0 32 | 2 8 | 2 4 | 35 29 | 14 29 | 2 40 | 3 1 | 14 8 | | n.a. |
| F 23 | 6 39 | 13 13 | 4 13 | 0s41 | 1 17 | 11 14 | 1 39 | 9 57 | 0 50 | 17 57 | 1 51 | 16 30 | 1 5 | 24 5 | 0 32 | 2 7 | 2 4 | 35 29 | 14 30 | 2 38 | 3 0 | 14 10 | | n.a. |
| S 24 | 6 15 | 9 43 | 3 22 | 1 23 | 1 23 | 11 44 | 1 42 | 9 40 | 0 50 | 17 59 | 1 50 | 16 32 | 1 5 | 24 5 | 0 32 | 2 6 | 2 4 | 35 29 | 14 30 | 2 37 | 2 59 | 14 11 | | n.a. |
| S 25 | 5 52 | 5 36 | 2 17 | 2 4 | 1 29 | 12 13 | 1 45 | 9 24 | 0 49 | 18 1 | 1 50 | 16 33 | 1 5 | 24 5 | 0 32 | 2 5 | 2 4 | 35 29 | 14 30 | 2 36 | 2 57 | 14 12 | | n.a. |
| M26 | 5 28 | 1 5 | 1 3 | 2 45 | 1 35 | 12 42 | 1 49 | 9 7 | 0 49 | 18 2 | 1 50 | 16 35 | 1 5 | 24 5 | 0 32 | 2 4 | 2 4 | 35 29 | 14 31 | 2 36 | 2 56 | 14 13 | | n.a. |
| T 27 | 5 4 | 3s34 | 0n17 | 3 25 | 1 41 | 13 11 | 1 52 | 8 51 | 0 48 | 18 4 | 1 50 | 16 36 | 1 4 | 24 5 | 0 32 | 2 3 | 2 4 | 35 29 | 14 31 | 2 35 | 2 55 | 14 15 | | n.a. |
| W28 | 4 39 | 8 1 | 1 36 | 4 5 | 1 46 | 13 39 | 1 55 | 8 34 | 0 48 | 18 5 | 1 50 | 16 37 | 1 4 | 24 4 | 0 32 | 2 3 | 2 4 | 35 29 | 14 32 | 2 36 | 2 54 | 14 16 | | n.a. |
| T 29 | 4 15 | 11 59 | 2 49 | 4 45 | 1 52 | 14 7 | 1 58 | 8 18 | 0 48 | 18 7 | 1 49 | 16 39 | 1 4 | 24 4 | 0 32 | 2 2 | 2 4 | 35 29 | 14 32 | 2 36 | 2 52 | 14 17 | | n.a. |
| F 30 | 3n51 | 15s12 | 3n51 | 5s24 | 1s57 | 14s35 | 2s 1 | 8n 1 | 0n47 | 18s 8 | 1s49 | 16s40 | 1n 4 | 24n 4 | 0n32 | 2n 1 | 2n 4 | 35n29 | 14n33 | 2s37 | 2s51 | 14n18 | | n.a. |

Julian Day Number = 995549.5, Delta T = 12h57m21s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'21, Lahiri = -31°21'21 Julian Calendar 1 Sept. 1988 BCE == Greg. Calendar 15 Aug. 1988 BCE

The year -1987 astronomical counting style corresponds to year 1988 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## OCTOBER 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 31 37 | 21♍29'00 | 7♐24 | 10♎20 | 4♏ 2 | 12♍28 | 15°R46 | 18♏38 | 10♋ 3 | 29♍43 | 26♋36 | 6♎28 | 6♎59 | 18♉ 9 | n.a. | S 1 |
| S 2 | 23 35 34 | 22°29'45 | 21°31 | 11°43 | 5°12 | 13°10 | 15♒41 | 18°43 | 10° 5 | 29°46 | 26°37 | 6°R28 | 6°56 | 18°15 | n.a. | S 2 |
| M 3 | 23 39 30 | 23°30'31 | 5♑25 | 13° 5 | 6°23 | 13°52 | 15°36 | 18°48 | 10° 7 | 29°48 | 26°38 | 6°28 | 6°53 | 18°22 | n.a. | M 3 |
| T 4 | 23 43 27 | 24°31'19 | 19° 5 | 14°26 | 7°33 | 14°34 | 15°31 | 18°53 | 10° 8 | 29°50 | 26°40 | 6°27 | 6°50 | 18°29 | n.a. | T 4 |
| W 5 | 23 47 23 | 25°32'08 | 2♒30 | 15°46 | 8°44 | 15°17 | 15°27 | 18°58 | 10°10 | 29°52 | 26°41 | 6°26 | 6°47 | 18°35 | n.a. | W 5 |
| T 6 | 23 51 20 | 26°32'58 | 15°41 | 17° 5 | 9°54 | 15°59 | 15°22 | 19° 3 | 10°11 | 29°55 | 26°42 | 6°24 | 6°44 | 18°42 | n.a. | T 6 |
| F 7 | 23 55 16 | 27°33'49 | 28°39 | 18°22 | 11° 4 | 16°42 | 15°18 | 19° 9 | 10°13 | 29°57 | 26°44 | 6°23 | 6°40 | 18°49 | n.a. | F 7 |
| S 8 | 23 59 13 | 28°34'41 | 11♓23 | 19°37 | 12°14 | 17°24 | 15°14 | 19°14 | 10°14 | 29°59 | 26°45 | 6°22 | 6°37 | 18°55 | n.a. | S 8 |
| S 9 | 0 3 9 | 29°35'35 | 23°55 | 20°50 | 13°24 | 18° 7 | 15°10 | 19°19 | 10°16 | 0♎ 1 | 26°46 | 6°22 | 6°34 | 19° 2 | n.a. | S 9 |
| M10 | 0 7 6 | 0♎36'30 | 6♈15 | 22° 1 | 14°34 | 18°49 | 15° 7 | 19°25 | 10°17 | 0° 4 | 26°47 | 6°D21 | 6°31 | 19° 9 | n.a. | M10 |
| T 11 | 0 11 3 | 1°37'26 | 18°24 | 23°10 | 15°43 | 19°32 | 15° 3 | 19°30 | 10°18 | 0° 6 | 26°49 | 6°22 | 6°28 | 19°15 | n.a. | T 11 |
| W12 | 0 14 59 | 2°38'24 | 0♉25 | 24°16 | 16°53 | 20°14 | 15° 0 | 19°36 | 10°19 | 0° 8 | 26°50 | 6°22 | 6°24 | 19°22 | n.a. | W12 |
| T 13 | 0 18 56 | 3°39'23 | 12°18 | 25°18 | 18° 2 | 20°57 | 14°57 | 19°41 | 10°21 | 0°10 | 26°51 | 6°22 | 6°21 | 19°29 | n.a. | T 13 |
| F 14 | 0 22 52 | 4°40'24 | 24° 8 | 26°17 | 19°12 | 21°40 | 14°54 | 19°47 | 10°22 | 0°13 | 26°52 | 6°22 | 6°18 | 19°35 | n.a. | F 14 |
| S 15 | 0 26 49 | 5°41'26 | 5♊58 | 27°11 | 20°21 | 22°23 | 14°52 | 19°53 | 10°23 | 0°15 | 26°53 | 6°23 | 6°15 | 19°42 | n.a. | S 15 |
| S 16 | 0 30 45 | 6°42'29 | 17°51 | 28° 1 | 21°30 | 23° 5 | 14°49 | 19°58 | 10°24 | 0°17 | 26°54 | 6°R23 | 6°12 | 19°49 | n.a. | S 16 |
| M17 | 0 34 42 | 7°43'34 | 29°52 | 28°45 | 22°39 | 23°48 | 14°47 | 20° 4 | 10°25 | 0°19 | 26°55 | 6°23 | 6° 9 | 19°55 | n.a. | M17 |
| T 18 | 0 38 38 | 8°44'40 | 12♋ 5 | 29°22 | 23°48 | 24°31 | 14°45 | 20°10 | 10°25 | 0°22 | 26°56 | 6°D23 | 6° 5 | 20° 2 | n.a. | T 18 |
| W19 | 0 42 35 | 9°45'47 | 24°35 | 29°53 | 24°56 | 25°14 | 14°43 | 20°16 | 10°26 | 0°24 | 26°57 | 6°23 | 6° 2 | 20° 9 | n.a. | W19 |
| T 20 | 0 46 32 | 10°46'56 | 7♌27 | 0♏16 | 26° 5 | 25°57 | 14°42 | 20°22 | 10°27 | 0°26 | 26°58 | 6°23 | 5°59 | 20°16 | n.a. | T 20 |
| F 21 | 0 50 28 | 11°48'06 | 20°43 | 0°30 | 27°13 | 26°40 | 14°40 | 20°28 | 10°28 | 0°28 | 26°59 | 6°24 | 5°56 | 20°22 | n.a. | F 21 |
| S 22 | 0 54 25 | 12°49'17 | 4♍25 | 0°R34 | 28°21 | 27°23 | 14°39 | 20°34 | 10°28 | 0°31 | 26°59 | 6°24 | 5°53 | 20°29 | n.a. | S 22 |
| S 23 | 0 58 21 | 13°50'29 | 18°33 | 0°29 | 29°29 | 28° 6 | 14°38 | 20°40 | 10°29 | 0°33 | 27° 0 | 6°25 | 5°50 | 20°36 | n.a. | S 23 |
| M24 | 1 2 18 | 14°51'42 | 3♎ 4 | 0°12 | 0♐37 | 28°50 | 14°37 | 20°46 | 10°30 | 0°35 | 27° 1 | 6°R25 | 5°46 | 20°42 | n.a. | M24 |
| T 25 | 1 6 14 | 15°52'56 | 17°54 | 29♎44 | 1°45 | 29°33 | 14°37 | 20°52 | 10°30 | 0°37 | 27° 2 | 6°25 | 5°43 | 20°49 | n.a. | T 25 |
| W26 | 1 10 11 | 16°54'10 | 2♏54 | 29° 5 | 2°53 | 0♎16 | 14°36 | 20°59 | 10°30 | 0°39 | 27° 3 | 6°24 | 5°40 | 20°56 | n.a. | W26 |
| T 27 | 1 14 7 | 17°55'26 | 17°55 | 28°15 | 4° 0 | 0°59 | 14°D36 | 21° 5 | 10°31 | 0°42 | 27° 3 | 6°23 | 5°37 | 21° 2 | n.a. | T 27 |
| F 28 | 1 18 4 | 18°56'41 | 2♐50 | 27°14 | 5° 7 | 1°43 | 14°36 | 21°11 | 10°31 | 0°44 | 27° 4 | 6°21 | 5°34 | 21° 9 | n.a. | F 28 |
| S 29 | 1 22 1 | 19°57'58 | 17°31 | 26° 5 | 6°14 | 2°26 | 14°37 | 21°18 | 10°31 | 0°46 | 27° 4 | 6°20 | 5°30 | 21°16 | n.a. | S 29 |
| S 30 | 1 25 57 | 20°59'14 | 1♑52 | 24°48 | 7°21 | 3°10 | 14°37 | 21°24 | 10°32 | 0°48 | 27° 5 | 6°19 | 5°27 | 21°22 | n.a. | S 30 |
| M31 | 1 29 54 | 22♎ 0'31 | 15♑51 | 23♎27 | 8♐28 | 3♎53 | 14♒38 | 21♏31 | 10♋32 | 0♎50 | 27♋ 6 | 6°D18 | 5♎24 | 21♉29 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3n27 | 17s26 | 4n37 | 6s 2 | 2s 2 | 15s 3 | 2s 3 | 7n44 | 0n47 | 18s10 | 1s49 | 16s42 | 1n 4 | 24n 4 | 0n32 | 2n 0 | 2n 4 | 35n29 | 14n33 | 2s37 | 2s50 | 14n19 | | n.a. |
| S 2 | 3 2 | 18 33 | 5 6 | 6 40 | 2 7 | 15 30 | 2 6 | 7 27 | 0 46 | 18 11 | 1 49 | 16 43 | 1 4 | 24 4 | 0 32 | 1 59 | 2 4 | 35 30 | 14 33 | 2 37 | 2 48 | 14 21 | | n.a. |
| M 3 | 2 38 | 18 32 | 5 17 | 7 16 | 2 11 | 15 56 | 2 9 | 7 10 | 0 46 | 18 12 | 1 49 | 16 45 | 1 3 | 24 4 | 0 32 | 1 58 | 2 4 | 35 30 | 14 34 | 2 37 | 2 47 | 14 22 | | n.a. |
| T 4 | 2 13 | 17 26 | 5 9 | 7 52 | 2 15 | 16 23 | 2 12 | 6 53 | 0 45 | 18 14 | 1 48 | 16 46 | 1 3 | 24 4 | 0 32 | 1 57 | 2 4 | 35 30 | 14 34 | 2 37 | 2 46 | 14 23 | | n.a. |
| W 5 | 1 49 | 15 23 | 4 45 | 8 27 | 2 19 | 16 48 | 2 14 | 6 36 | 0 45 | 18 15 | 1 48 | 16 48 | 1 3 | 24 4 | 0 33 | 1 56 | 2 4 | 35 30 | 14 35 | 2 36 | 2 45 | 14 24 | | n.a. |
| T 6 | 1 24 | 12 33 | 4 6 | 9 1 | 2 23 | 17 14 | 2 17 | 6 19 | 0 44 | 18 16 | 1 48 | 16 50 | 1 3 | 24 4 | 0 33 | 1 55 | 2 4 | 35 30 | 14 35 | 2 36 | 2 43 | 14 26 | | n.a. |
| F 7 | 0 59 | 9 9 | 3 14 | 9 34 | 2 26 | 17 39 | 2 19 | 6 2 | 0 44 | 18 17 | 1 48 | 16 51 | 1 3 | 24 4 | 0 33 | 1 54 | 2 4 | 35 30 | 14 36 | 2 35 | 2 42 | 14 27 | | n.a. |
| S 8 | 0 35 | 5 22 | 2 14 | 10 6 | 2 28 | 18 4 | 2 22 | 5 44 | 0 44 | 18 18 | 1 47 | 16 53 | 1 3 | 24 4 | 0 33 | 1 53 | 2 4 | 35 30 | 14 36 | 2 35 | 2 41 | 14 28 | | n.a. |
| S 9 | 0 10 | 1 25 | 1 9 | 10 36 | 2 30 | 18 28 | 2 24 | 5 27 | 0 43 | 18 19 | 1 47 | 16 54 | 1 3 | 24 3 | 0 33 | 1 52 | 2 4 | 35 31 | 14 37 | 2 34 | 2 39 | 14 29 | | n.a. |
| M10 | 0s15 | 2n32 | 0 1 | 11 5 | 2 32 | 18 51 | 2 26 | 5 10 | 0 43 | 18 19 | 1 47 | 16 56 | 1 2 | 24 3 | 0 33 | 1 52 | 2 4 | 35 31 | 14 37 | 2 34 | 2 38 | 14 30 | | n.a. |
| T 11 | 0 40 | 6 20 | 1s 6 | 11 32 | 2 33 | 19 14 | 2 29 | 4 52 | 0 42 | 18 20 | 1 47 | 16 58 | 1 2 | 24 3 | 0 33 | 1 51 | 2 4 | 35 31 | 14 37 | 2 34 | 2 37 | 14 32 | | n.a. |
| W12 | 1 4 | 9 49 | 2 10 | 11 57 | 2 33 | 19 37 | 2 31 | 4 35 | 0 42 | 18 21 | 1 46 | 16 59 | 1 2 | 24 3 | 0 33 | 1 50 | 2 4 | 35 31 | 14 38 | 2 35 | 2 36 | 14 33 | | n.a. |
| T 13 | 1 29 | 12 53 | 3 7 | 12 20 | 2 32 | 19 59 | 2 33 | 4 17 | 0 41 | 18 22 | 1 46 | 17 1 | 1 2 | 24 3 | 0 33 | 1 49 | 2 4 | 35 32 | 14 38 | 2 35 | 2 34 | 14 34 | | n.a. |
| F 14 | 1 54 | 15 23 | 3 56 | 12 41 | 2 31 | 20 21 | 2 35 | 3 59 | 0 41 | 18 22 | 1 46 | 17 3 | 1 2 | 24 3 | 0 33 | 1 48 | 2 4 | 35 32 | 14 39 | 2 35 | 2 33 | 14 35 | | n.a. |
| S 15 | 2 18 | 17 14 | 4 34 | 12 59 | 2 29 | 20 42 | 2 37 | 3 42 | 0 40 | 18 23 | 1 45 | 17 4 | 1 2 | 24 3 | 0 33 | 1 47 | 2 4 | 35 32 | 14 39 | 2 35 | 2 32 | 14 36 | | n.a. |
| S 16 | 2 43 | 18 21 | 5 1 | 13 14 | 2 26 | 21 3 | 2 39 | 3 24 | 0 40 | 18 23 | 1 45 | 17 6 | 1 2 | 24 3 | 0 33 | 1 46 | 2 4 | 35 32 | 14 40 | 2 35 | 2 30 | 14 37 | | n.a. |
| M17 | 3 7 | 18 39 | 5 16 | 13 27 | 2 22 | 21 23 | 2 40 | 3 6 | 0 39 | 18 24 | 1 45 | 17 8 | 1 1 | 24 3 | 0 33 | 1 45 | 2 4 | 35 33 | 14 40 | 2 35 | 2 29 | 14 39 | | n.a. |
| T 18 | 3 32 | 18 7 | 5 16 | 13 35 | 2 16 | 21 42 | 2 42 | 2 49 | 0 39 | 18 24 | 1 45 | 17 10 | 1 1 | 24 3 | 0 33 | 1 44 | 2 4 | 35 33 | 14 41 | 2 35 | 2 28 | 14 40 | | n.a. |
| W19 | 3 57 | 16 41 | 5 2 | 13 40 | 2 10 | 22 1 | 2 43 | 2 31 | 0 38 | 18 24 | 1 44 | 17 11 | 1 1 | 24 3 | 0 33 | 1 43 | 2 4 | 35 33 | 14 41 | 2 35 | 2 27 | 14 41 | | n.a. |
| T 20 | 4 21 | 14 23 | 4 32 | 13 41 | 2 2 | 22 20 | 2 45 | 2 13 | 0 38 | 18 24 | 1 44 | 17 13 | 1 1 | 24 3 | 0 33 | 1 42 | 2 4 | 35 33 | 14 42 | 2 35 | 2 25 | 14 42 | | n.a. |
| F 21 | 4 45 | 11 17 | 3 48 | 13 38 | 1 53 | 22 37 | 2 46 | 1 55 | 0 37 | 18 24 | 1 44 | 17 15 | 1 1 | 24 3 | 0 33 | 1 42 | 2 4 | 35 34 | 14 42 | 2 35 | 2 24 | 14 43 | | n.a. |
| S 22 | 5 10 | 7 28 | 2 49 | 13 29 | 1 42 | 22 54 | 2 47 | 1 37 | 0 37 | 18 25 | 1 43 | 17 17 | 1 1 | 24 3 | 0 33 | 1 41 | 2 4 | 35 34 | 14 43 | 2 35 | 2 23 | 14 45 | | n.a. |
| S 23 | 5 34 | 3 7 | 1 38 | 13 15 | 1 29 | 23 11 | 2 48 | 1 19 | 0 36 | 18 25 | 1 43 | 17 18 | 1 1 | 24 3 | 0 33 | 1 40 | 2 4 | 35 34 | 14 43 | 2 36 | 2 22 | 14 46 | | n.a. |
| M24 | 5 58 | 1s32 | 0 19 | 12 56 | 1 15 | 23 27 | 2 49 | 1 1 | 0 35 | 18 24 | 1 43 | 17 20 | 1 1 | 24 3 | 0 33 | 1 39 | 2 4 | 35 35 | 14 44 | 2 36 | 2 20 | 14 47 | | n.a. |
| T 25 | 6 22 | 6 11 | 1n 3 | 12 32 | 0 59 | 23 42 | 2 50 | 0 43 | 0 35 | 18 24 | 1 42 | 17 22 | 1 0 | 24 3 | 0 33 | 1 38 | 2 4 | 35 35 | 14 44 | 2 36 | 2 19 | 14 48 | | n.a. |
| W26 | 6 46 | 10 30 | 2 22 | 12 1 | 0 42 | 23 57 | 2 51 | 0 25 | 0 34 | 18 24 | 1 42 | 17 24 | 1 0 | 24 3 | 0 33 | 1 37 | 2 4 | 35 35 | 14 45 | 2 36 | 2 18 | 14 49 | | n.a. |
| T 27 | 7 10 | 14 9 | 3 31 | 11 26 | 0 24 | 24 11 | 2 51 | 0 7 | 0 34 | 18 24 | 1 42 | 17 25 | 1 0 | 24 3 | 0 33 | 1 36 | 2 4 | 35 36 | 14 45 | 2 35 | 2 16 | 14 50 | | n.a. |
| F 28 | 7 34 | 16 49 | 4 24 | 10 45 | 0 4 | 24 24 | 2 52 | 0s11 | 0 33 | 18 24 | 1 41 | 17 27 | 1 0 | 24 3 | 0 33 | 1 35 | 2 4 | 35 36 | 14 46 | 2 34 | 2 15 | 14 52 | | n.a. |
| S 29 | 7 57 | 18 21 | 5 0 | 10 1 | 0n16 | 24 37 | 2 52 | 0 29 | 0 33 | 18 23 | 1 41 | 17 29 | 1 0 | 24 3 | 0 33 | 1 35 | 2 4 | 35 36 | 14 47 | 2 34 | 2 14 | 14 53 | | n.a. |
| S 30 | 8 21 | 18 39 | 5 16 | 9 13 | 0 37 | 24 49 | 2 53 | 0 47 | 0 32 | 18 23 | 1 41 | 17 31 | 1 0 | 24 3 | 0 34 | 1 34 | 2 4 | 35 37 | 14 47 | 2 33 | 2 13 | 14 54 | | n.a. |
| M31 | 8s44 | 17s47 | 5n12 | 8s24 | 0n57 | 25s 0 | 2s53 | 1s 5 | 0n32 | 18s22 | 1s41 | 17s33 | 1n 0 | 24n 3 | 0n34 | 1n33 | 2n 4 | 35n37 | 14n48 | 2s33 | 2s11 | 14n55 | | n.a. |

Julian Day Number = 995579.5, Delta T = 12h57m19s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'17, Lahiri = -31°21'17 Julian Calendar 1 Oct. 1988 BCE == Greg. Calendar 14 Sept. 1988 BCE

The year -1987 astronomical counting style corresponds to year 1988 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## NOVEMBER 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 33 50 | 23♎ 1'48 | 29♉27 | 22°R 5 | 9♐34 | 4♎37 | 14♒39 | 21♏37 | 10♋32 | 0♎52 | 27♋ 6 | 6♎18 | 5♎21 | 21♉36 | n.a. | T 1 |
| W 2 | 1 37 47 | 24° 3'06 | 12♒42 | 20♎43 | 10°40 | 5°20 | 14°40 | 21°44 | 10°R32 | 0°55 | 27° 7 | 6°19 | 5°18 | 21°42 | n.a. | W 2 |
| T 3 | 1 41 43 | 25° 4'23 | 25°37 | 19°25 | 11°46 | 6° 4 | 14°41 | 21°50 | 10°32 | 0°57 | 27° 7 | 6°20 | 5°15 | 21°49 | n.a. | T 3 |
| F 4 | 1 45 40 | 26° 5'41 | 8♓16 | 18°13 | 12°52 | 6°47 | 14°43 | 21°57 | 10°32 | 0°59 | 27° 7 | 6°22 | 5°11 | 21°56 | n.a. | F 4 |
| S 5 | 1 49 37 | 27° 6'58 | 20°42 | 17° 9 | 13°57 | 7°31 | 14°44 | 22° 4 | 10°32 | 1° 1 | 27° 8 | 6°23 | 5° 8 | 22° 3 | n.a. | S 5 |
| S 6 | 1 53 33 | 28° 8'16 | 2♈56 | 16°14 | 15° 2 | 8°15 | 14°46 | 22°10 | 10°31 | 1° 3 | 27° 8 | 6°R24 | 5° 5 | 22° 9 | n.a. | S 6 |
| M 7 | 1 57 30 | 29° 9'34 | 15° 2 | 15°30 | 16° 7 | 8°58 | 14°49 | 22°17 | 10°31 | 1° 5 | 27° 8 | 6°23 | 5° 2 | 22°16 | n.a. | M 7 |
| T 8 | 2 1 26 | 0♏10'52 | 27° 1 | 14°57 | 17°12 | 9°42 | 14°51 | 22°24 | 10°31 | 1° 7 | 27° 9 | 6°22 | 4°59 | 22°23 | n.a. | T 8 |
| W 9 | 2 5 23 | 1°12'11 | 8♉56 | 14°34 | 18°16 | 10°26 | 14°53 | 22°30 | 10°30 | 1° 9 | 27° 9 | 6°19 | 4°55 | 22°29 | n.a. | W 9 |
| T 10 | 2 9 19 | 2°13'29 | 20°47 | 14°22 | 19°20 | 11°10 | 14°56 | 22°37 | 10°30 | 1°11 | 27° 9 | 6°15 | 4°52 | 22°36 | n.a. | T 10 |
| F 11 | 2 13 16 | 3°14'48 | 2♊37 | 14°D20 | 20°24 | 11°54 | 14°59 | 22°44 | 10°30 | 1°13 | 27° 9 | 6°10 | 4°49 | 22°43 | n.a. | F 11 |
| S 12 | 2 17 12 | 4°16'07 | 14°28 | 14°28 | 21°27 | 12°38 | 15° 2 | 22°51 | 10°29 | 1°15 | 27° 9 | 6° 5 | 4°46 | 22°49 | n.a. | S 12 |
| S 13 | 2 21 9 | 5°17'26 | 26°23 | 14°44 | 22°30 | 13°22 | 15° 6 | 22°58 | 10°28 | 1°17 | 27°10 | 6° 0 | 4°43 | 22°56 | n.a. | S 13 |
| M14 | 2 25 6 | 6°18'46 | 8♋24 | 15° 7 | 23°33 | 14° 6 | 15° 9 | 23° 5 | 10°28 | 1°19 | 27°10 | 5°56 | 4°40 | 23° 3 | n.a. | M14 |
| T 15 | 2 29 2 | 7°20'06 | 20°36 | 15°38 | 24°35 | 14°50 | 15°13 | 23°12 | 10°27 | 1°21 | 27°10 | 5°53 | 4°36 | 23° 9 | n.a. | T 15 |
| W16 | 2 32 59 | 8°21'25 | 3♌ 1 | 16°15 | 25°37 | 15°34 | 15°17 | 23°18 | 10°26 | 1°23 | 27°R10 | 5°D51 | 4°33 | 23°16 | n.a. | W16 |
| T 17 | 2 36 55 | 9°22'45 | 15°45 | 16°58 | 26°39 | 16°18 | 15°21 | 23°25 | 10°26 | 1°25 | 27°10 | 5°51 | 4°30 | 23°23 | n.a. | T 17 |
| F 18 | 2 40 52 | 10°24'05 | 28°52 | 17°46 | 27°40 | 17° 3 | 15°25 | 23°32 | 10°25 | 1°27 | 27°10 | 5°53 | 4°27 | 23°29 | n.a. | F 18 |
| S 19 | 2 44 48 | 11°25'26 | 12♍24 | 18°38 | 28°41 | 17°47 | 15°30 | 23°39 | 10°24 | 1°28 | 27°10 | 5°54 | 4°24 | 23°36 | n.a. | S 19 |
| S 20 | 2 48 45 | 12°26'46 | 26°24 | 19°35 | 29°41 | 18°31 | 15°34 | 23°46 | 10°23 | 1°30 | 27° 9 | 5°56 | 4°21 | 23°43 | n.a. | S 20 |
| M21 | 2 52 42 | 13°28'06 | 10♎52 | 20°35 | 0♏41 | 19°15 | 15°39 | 23°53 | 10°22 | 1°32 | 27° 9 | 5°R56 | 4°17 | 23°50 | n.a. | M21 |
| T 22 | 2 56 38 | 14°29'25 | 25°44 | 21°38 | 1°41 | 20° 0 | 15°44 | 24° 0 | 10°21 | 1°34 | 27° 9 | 5°54 | 4°14 | 23°56 | n.a. | T 22 |
| W23 | 3 0 35 | 15°30'45 | 10♏53 | 22°44 | 2°40 | 20°44 | 15°49 | 24° 8 | 10°20 | 1°36 | 27° 9 | 5°51 | 4°11 | 24° 3 | n.a. | W23 |
| T 24 | 3 4 31 | 16°32'04 | 26°11 | 23°52 | 3°38 | 21°29 | 15°55 | 24°15 | 10°18 | 1°37 | 27° 9 | 5°46 | 4° 8 | 24°10 | n.a. | T 24 |
| F 25 | 3 8 28 | 17°33'23 | 11♐26 | 25° 3 | 4°36 | 22°13 | 16° 0 | 24°22 | 10°17 | 1°39 | 27° 8 | 5°39 | 4° 5 | 24°16 | n.a. | F 25 |
| S 26 | 3 12 24 | 18°34'41 | 26°28 | 26°15 | 5°34 | 22°58 | 16° 6 | 24°29 | 10°16 | 1°41 | 27° 8 | 5°32 | 4° 1 | 24°23 | n.a. | S 26 |
| S 27 | 3 16 21 | 19°35'59 | 11♑ 8 | 27°30 | 6°31 | 23°42 | 16°12 | 24°36 | 10°15 | 1°42 | 27° 8 | 5°26 | 3°58 | 24°30 | n.a. | S 27 |
| M28 | 3 20 18 | 20°37'15 | 25°21 | 28°46 | 7°27 | 24°27 | 16°18 | 24°43 | 10°13 | 1°44 | 27° 7 | 5°21 | 3°55 | 24°36 | n.a. | M28 |
| T 29 | 3 24 14 | 21°38'31 | 9♒ 5 | 0♏ 3 | 8°23 | 25°11 | 16°25 | 24°50 | 10°12 | 1°46 | 27° 7 | 5°19 | 3°52 | 24°43 | n.a. | T 29 |
| W30 | 3 28 11 | 22♏39'46 | 22♒22 | 1♏22 | 9♑18 | 25♎56 | 16♒31 | 24♏57 | 10♋10 | 1♎47 | 27♋ 6 | 5°D18 | 3♎49 | 24♉50 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s 8 | 15s56 | 4n51 | 7s35 | 1n17 | 25s11 | 2s53 | 1s24 | 0n31 | 18s22 | 1s40 | 17s35 | 1n 0 | 24n 3 | 0n34 | 1n32 | 2n 4 | 35n38 | 14n48 | 2s33 | 2s10 | 14n56 | | n.a. |
| W 2 | 9 31 | 13 16 | 4 15 | 6 47 | 1 35 | 25 21 | 2 53 | 1 42 | 0 31 | 18 21 | 1 40 | 17 36 | 0 59 | 24 3 | 0 34 | 1 31 | 2 4 | 35 38 | 14 49 | 2 33 | 2 9 | 14 57 | | n.a. |
| T 3 | 9 54 | 10 0 | 3 27 | 6 1 | 1 52 | 25 30 | 2 52 | 2 0 | 0 30 | 18 20 | 1 40 | 17 38 | 0 59 | 24 3 | 0 34 | 1 30 | 2 4 | 35 38 | 14 49 | 2 34 | 2 7 | 14 58 | | n.a. |
| F 4 | 10 16 | 6 20 | 2 29 | 5 19 | 2 7 | 25 38 | 2 52 | 2 18 | 0 29 | 18 20 | 1 39 | 17 40 | 0 59 | 24 3 | 0 34 | 1 30 | 2 4 | 35 39 | 14 50 | 2 34 | 2 6 | 15 0 | | n.a. |
| S 5 | 10 39 | 2 27 | 1 26 | 4 43 | 2 20 | 25 46 | 2 51 | 2 36 | 0 29 | 18 19 | 1 39 | 17 42 | 0 59 | 24 3 | 0 34 | 1 29 | 2 4 | 35 39 | 14 50 | 2 35 | 2 5 | 15 1 | | n.a. |
| S 6 | 11 1 | 1n29 | 0 19 | 4 12 | 2 31 | 25 53 | 2 51 | 2 54 | 0 28 | 18 18 | 1 39 | 17 44 | 0 59 | 24 3 | 0 34 | 1 28 | 2 4 | 35 40 | 14 51 | 2 35 | 2 4 | 15 2 | | n.a. |
| M 7 | 11 24 | 5 19 | 0s47 | 3 47 | 2 39 | 26 0 | 2 50 | 3 12 | 0 28 | 18 17 | 1 38 | 17 46 | 0 59 | 24 3 | 0 34 | 1 27 | 2 4 | 35 40 | 14 51 | 2 35 | 2 2 | 15 3 | | n.a. |
| T 8 | 11 46 | 8 53 | 1 51 | 3 28 | 2 46 | 26 6 | 2 49 | 3 30 | 0 27 | 18 16 | 1 38 | 17 47 | 0 59 | 24 3 | 0 34 | 1 26 | 2 4 | 35 41 | 14 52 | 2 35 | 2 1 | 15 4 | | n.a. |
| W 9 | 12 8 | 12 5 | 2 50 | 3 15 | 2 50 | 26 11 | 2 48 | 3 48 | 0 26 | 18 15 | 1 38 | 17 49 | 0 59 | 24 3 | 0 34 | 1 26 | 2 4 | 35 41 | 14 52 | 2 33 | 2 0 | 15 5 | | n.a. |
| T 10 | 12 29 | 14 46 | 3 40 | 3 7 | 2 53 | 26 15 | 2 47 | 4 7 | 0 26 | 18 14 | 1 37 | 17 51 | 0 59 | 24 4 | 0 34 | 1 25 | 2 4 | 35 42 | 14 53 | 2 32 | 1 58 | 15 6 | | n.a. |
| F 11 | 12 51 | 16 50 | 4 21 | 3 6 | 2 54 | 26 19 | 2 45 | 4 25 | 0 25 | 18 13 | 1 37 | 17 53 | 0 58 | 24 4 | 0 34 | 1 24 | 2 4 | 35 42 | 14 53 | 2 30 | 1 57 | 15 8 | | n.a. |
| S 12 | 13 12 | 18 11 | 4 51 | 3 9 | 2 54 | 26 22 | 2 44 | 4 43 | 0 25 | 18 11 | 1 37 | 17 55 | 0 58 | 24 4 | 0 34 | 1 23 | 2 4 | 35 43 | 14 54 | 2 28 | 1 56 | 15 9 | | n.a. |
| S 13 | 13 33 | 18 44 | 5 9 | 3 16 | 2 53 | 26 24 | 2 42 | 5 1 | 0 24 | 18 10 | 1 36 | 17 57 | 0 58 | 24 4 | 0 34 | 1 22 | 2 4 | 35 43 | 14 54 | 2 26 | 1 55 | 15 10 | | n.a. |
| M14 | 13 54 | 18 27 | 5 13 | 3 28 | 2 50 | 26 25 | 2 40 | 5 19 | 0 23 | 18 9 | 1 36 | 17 59 | 0 58 | 24 4 | 0 34 | 1 22 | 2 4 | 35 44 | 14 55 | 2 24 | 1 53 | 15 11 | | n.a. |
| T 15 | 14 14 | 17 19 | 5 3 | 3 43 | 2 46 | 26 26 | 2 38 | 5 37 | 0 23 | 18 7 | 1 36 | 18 0 | 0 58 | 24 4 | 0 34 | 1 21 | 2 4 | 35 44 | 14 56 | 2 23 | 1 52 | 15 12 | | n.a. |
| W16 | 14 34 | 15 22 | 4 39 | 4 2 | 2 42 | 26 26 | 2 36 | 5 55 | 0 22 | 18 6 | 1 36 | 18 2 | 0 58 | 24 4 | 0 34 | 1 20 | 2 4 | 35 45 | 14 56 | 2 22 | 1 51 | 15 13 | | n.a. |
| T 17 | 14 54 | 12 37 | 4 0 | 4 23 | 2 37 | 26 26 | 2 33 | 6 12 | 0 21 | 18 4 | 1 35 | 18 4 | 0 58 | 24 4 | 0 34 | 1 19 | 2 4 | 35 45 | 14 57 | 2 22 | 1 49 | 15 14 | | n.a. |
| F 18 | 15 14 | 9 10 | 3 9 | 4 47 | 2 31 | 26 24 | 2 31 | 6 30 | 0 21 | 18 3 | 1 35 | 18 6 | 0 58 | 24 4 | 0 34 | 1 19 | 2 5 | 35 46 | 14 57 | 2 23 | 1 48 | 15 15 | | n.a. |
| S 19 | 15 34 | 5 7 | 2 5 | 5 13 | 2 25 | 26 23 | 2 28 | 6 48 | 0 20 | 18 1 | 1 35 | 18 8 | 0 58 | 24 4 | 0 34 | 1 18 | 2 5 | 35 46 | 14 58 | 2 23 | 1 47 | 15 16 | | n.a. |
| S 20 | 15 53 | 0 40 | 0 52 | 5 40 | 2 19 | 26 20 | 2 25 | 7 6 | 0 20 | 17 59 | 1 34 | 18 10 | 0 58 | 24 5 | 0 34 | 1 17 | 2 5 | 35 47 | 14 58 | 2 24 | 1 46 | 15 18 | | n.a. |
| M21 | 16 12 | 3s58 | 0n27 | 6 10 | 2 12 | 26 17 | 2 22 | 7 24 | 0 19 | 17 57 | 1 34 | 18 12 | 0 58 | 24 5 | 0 34 | 1 17 | 2 5 | 35 47 | 14 59 | 2 24 | 1 44 | 15 19 | | n.a. |
| T 22 | 16 30 | 8 30 | 1 46 | 6 40 | 2 5 | 26 13 | 2 18 | 7 41 | 0 18 | 17 56 | 1 34 | 18 13 | 0 57 | 24 5 | 0 34 | 1 16 | 2 5 | 35 48 | 14 59 | 2 23 | 1 43 | 15 20 | | n.a. |
| W23 | 16 49 | 12 34 | 2 59 | 7 12 | 1 58 | 26 8 | 2 15 | 7 59 | 0 18 | 17 54 | 1 33 | 18 15 | 0 57 | 24 5 | 0 34 | 1 15 | 2 5 | 35 48 | 15 0 | 2 22 | 1 42 | 15 21 | | n.a. |
| T 24 | 17 7 | 15 49 | 3 59 | 7 44 | 1 50 | 26 3 | 2 11 | 8 17 | 0 17 | 17 52 | 1 33 | 18 17 | 0 57 | 24 5 | 0 34 | 1 15 | 2 5 | 35 49 | 15 0 | 2 20 | 1 40 | 15 22 | | n.a. |
| F 25 | 17 25 | 17 56 | 4 42 | 8 18 | 1 43 | 25 57 | 2 7 | 8 34 | 0 16 | 17 50 | 1 33 | 18 19 | 0 57 | 24 5 | 0 34 | 1 14 | 2 5 | 35 49 | 15 1 | 2 17 | 1 39 | 15 23 | | n.a. |
| S 26 | 17 42 | 18 47 | 5 6 | 8 52 | 1 35 | 25 51 | 2 3 | 8 52 | 0 16 | 17 48 | 1 33 | 18 21 | 0 57 | 24 5 | 0 35 | 1 13 | 2 5 | 35 50 | 15 1 | 2 15 | 1 38 | 15 24 | | n.a. |
| S 27 | 17 59 | 18 20 | 5 8 | 9 26 | 1 27 | 25 44 | 1 59 | 9 9 | 0 15 | 17 46 | 1 32 | 18 23 | 0 57 | 24 5 | 0 35 | 1 13 | 2 5 | 35 51 | 15 2 | 2 12 | 1 37 | 15 25 | | n.a. |
| M28 | 18 16 | 16 44 | 4 51 | 10 1 | 1 19 | 25 37 | 1 54 | 9 26 | 0 14 | 17 44 | 1 32 | 18 24 | 0 57 | 24 6 | 0 35 | 1 12 | 2 5 | 35 51 | 15 2 | 2 10 | 1 35 | 15 26 | | n.a. |
| T 29 | 18 32 | 14 12 | 4 18 | 10 36 | 1 11 | 25 28 | 1 50 | 9 44 | 0 14 | 17 41 | 1 32 | 18 26 | 0 57 | 24 6 | 0 35 | 1 11 | 2 5 | 35 52 | 15 3 | 2 9 | 1 34 | 15 27 | | n.a. |
| W30 | 18s48 | 11s 1 | 3n31 | 11s12 | 1n 3 | 25s20 | 1s45 | 10s 1 | 0n13 | 17s39 | 1s31 | 18s28 | 0n57 | 24n 6 | 0n35 | 1n11 | 2n 5 | 35n52 | 15n 3 | 2s 9 | 1s33 | 15n28 | | n.a. |

Julian Day Number = 995610.5, Delta T = 12h57m16s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'13, Lahiri = -31°21'13 Julian Calendar 1 Nov. 1988 BCE == Greg. Calendar 15 Oct. 1988 BCE


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# ASTRODIENST EPHEMERIS for the year 1988 BCE
# geocentric

## DECEMBER 1988 BCE (-1987) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 32 7 | 23♏40'59 | 5♓14 | 2♏42 | 10♑13 | 26♎41 | 16♒38 | 25♏ 4 | 10°R 9 | 1♎49 | 27°R 6 | 5♎18 | 3♎46 | 24♉56 | n.a. | T 1 |
| F 2 | 3 36 4 | 24°42'12 | 17°45 | 4° 4 | 11° 7 | 27°26 | 16°44 | 25°11 | 10♋ 7 | 1°50 | 27♋ 5 | 5°20 | 3°42 | 25° 3 | n.a. | F 2 |
| S 3 | 3 40 0 | 25°43'23 | 0♈ 1 | 5°26 | 12° 0 | 28°10 | 16°51 | 25°18 | 10° 6 | 1°52 | 27° 5 | 5°R21 | 3°39 | 25°10 | n.a. | S 3 |
| S 4 | 3 43 57 | 26°44'34 | 12° 4 | 6°49 | 12°52 | 28°55 | 16°58 | 25°26 | 10° 4 | 1°53 | 27° 4 | 5°21 | 3°36 | 25°17 | n.a. | S 4 |
| M 5 | 3 47 53 | 27°45'43 | 24° 1 | 8°14 | 13°44 | 29°40 | 17° 6 | 25°33 | 10° 2 | 1°55 | 27° 4 | 5°19 | 3°33 | 25°23 | n.a. | M 5 |
| T 6 | 3 51 50 | 28°46'51 | 5♉52 | 9°39 | 14°35 | 0♏25 | 17°13 | 25°40 | 10° 1 | 1°56 | 27° 3 | 5°14 | 3°30 | 25°30 | n.a. | T 6 |
| W 7 | 3 55 47 | 29°47'59 | 17°42 | 11° 5 | 15°25 | 1°10 | 17°21 | 25°47 | 9°59 | 1°58 | 27° 2 | 5° 7 | 3°27 | 25°37 | n.a. | W 7 |
| T 8 | 3 59 43 | 0♐49'05 | 29°33 | 12°31 | 16°14 | 1°55 | 17°28 | 25°54 | 9°57 | 1°59 | 27° 2 | 4°58 | 3°23 | 25°43 | n.a. | T 8 |
| F 9 | 4 3 40 | 1°50'11 | 11♊26 | 13°59 | 17° 3 | 2°40 | 17°36 | 26° 1 | 9°55 | 2° 1 | 27° 1 | 4°46 | 3°20 | 25°50 | n.a. | F 9 |
| S 10 | 4 7 36 | 2°51'15 | 23°22 | 15°27 | 17°50 | 3°25 | 17°44 | 26° 8 | 9°53 | 2° 2 | 27° 0 | 4°35 | 3°17 | 25°57 | n.a. | S 10 |
| S 11 | 4 11 33 | 3°52'18 | 5♋22 | 16°56 | 18°37 | 4°10 | 17°52 | 26°15 | 9°51 | 2° 3 | 26°59 | 4°23 | 3°14 | 26° 3 | n.a. | S 11 |
| M12 | 4 15 29 | 4°53'21 | 17°30 | 18°25 | 19°22 | 4°55 | 18° 1 | 26°22 | 9°49 | 2° 4 | 26°59 | 4°13 | 3°11 | 26°10 | n.a. | M12 |
| T 13 | 4 19 26 | 5°54'22 | 29°46 | 19°56 | 20° 7 | 5°40 | 18° 9 | 26°29 | 9°47 | 2° 6 | 26°58 | 4° 4 | 3° 7 | 26°17 | n.a. | T 13 |
| W14 | 4 23 23 | 6°55'23 | 12♌13 | 21°27 | 20°50 | 6°25 | 18°18 | 26°36 | 9°45 | 2° 7 | 26°57 | 3°59 | 3° 4 | 26°24 | n.a. | W14 |
| T 15 | 4 27 19 | 7°56'22 | 24°55 | 22°58 | 21°32 | 7°10 | 18°26 | 26°43 | 9°43 | 2° 8 | 26°56 | 3°56 | 3° 1 | 26°30 | n.a. | T 15 |
| F 16 | 4 31 16 | 8°57'21 | 7♍55 | 24°31 | 22°13 | 7°55 | 18°35 | 26°50 | 9°41 | 2° 9 | 26°55 | 3°D55 | 2°58 | 26°37 | n.a. | F 16 |
| S 17 | 4 35 12 | 9°58'18 | 21°17 | 26° 4 | 22°53 | 8°40 | 18°44 | 26°57 | 9°39 | 2°10 | 26°54 | 3°55 | 2°55 | 26°44 | n.a. | S 17 |
| S 18 | 4 39 9 | 10°59'14 | 5♎ 4 | 27°38 | 23°32 | 9°26 | 18°53 | 27° 4 | 9°37 | 2°11 | 26°53 | 3°R56 | 2°52 | 26°50 | n.a. | S 18 |
| M19 | 4 43 5 | 12° 0'10 | 19°17 | 29°12 | 24° 9 | 10°11 | 19° 3 | 27°11 | 9°35 | 2°13 | 26°52 | 3°55 | 2°48 | 26°57 | n.a. | M19 |
| T 20 | 4 47 2 | 13° 1'04 | 3♏55 | 0♐47 | 24°46 | 10°56 | 19°12 | 27°18 | 9°32 | 2°14 | 26°51 | 3°52 | 2°45 | 27° 4 | n.a. | T 20 |
| W21 | 4 50 58 | 14° 1'57 | 18°54 | 2°23 | 25°20 | 11°42 | 19°22 | 27°25 | 9°30 | 2°15 | 26°50 | 3°46 | 2°42 | 27°10 | n.a. | W21 |
| T 22 | 4 54 55 | 15° 2'49 | 4♐ 7 | 4° 0 | 25°53 | 12°27 | 19°31 | 27°32 | 9°28 | 2°16 | 26°49 | 3°37 | 2°39 | 27°17 | n.a. | T 22 |
| F 23 | 4 58 52 | 16° 3'39 | 19°24 | 5°37 | 26°25 | 13°12 | 19°41 | 27°39 | 9°25 | 2°17 | 26°48 | 3°27 | 2°36 | 27°24 | n.a. | F 23 |
| S 24 | 5 2 48 | 17° 4'28 | 4♑33 | 7°15 | 26°55 | 13°58 | 19°51 | 27°46 | 9°23 | 2°17 | 26°47 | 3°15 | 2°32 | 27°30 | n.a. | S 24 |
| S 25 | 5 6 45 | 18° 5'16 | 19°24 | 8°54 | 27°24 | 14°43 | 20° 1 | 27°53 | 9°21 | 2°18 | 26°46 | 3° 5 | 2°29 | 27°37 | n.a. | S 25 |
| M26 | 5 10 41 | 19° 6'01 | 3♒50 | 10°34 | 27°51 | 15°29 | 20°11 | 28° 0 | 9°18 | 2°19 | 26°44 | 2°56 | 2°26 | 27°44 | n.a. | M26 |
| T 27 | 5 14 38 | 20° 6'45 | 17°45 | 12°14 | 28°16 | 16°14 | 20°21 | 28° 6 | 9°16 | 2°20 | 26°43 | 2°50 | 2°23 | 27°51 | n.a. | T 27 |
| W28 | 5 18 34 | 21° 7'26 | 1♓10 | 13°56 | 28°39 | 17° 0 | 20°32 | 28°13 | 9°14 | 2°21 | 26°42 | 2°46 | 2°20 | 27°57 | n.a. | W28 |
| T 29 | 5 22 31 | 22° 8'06 | 14° 7 | 15°38 | 29° 0 | 17°45 | 20°42 | 28°20 | 9°11 | 2°22 | 26°41 | 2°45 | 2°17 | 28° 4 | n.a. | T 29 |
| F 30 | 5 26 28 | 23° 8'44 | 26°40 | 17°21 | 29°19 | 18°31 | 20°53 | 28°27 | 9° 9 | 2°22 | 26°39 | 2°44 | 2°13 | 28°11 | n.a. | F 30 |
| S 31 | 5 30 24 | 24♐ 9'20 | 8♈54 | 19♐ 5 | 29♑37 | 19♏16 | 21♒ 3 | 28♏33 | 9♋ 6 | 2♎23 | 26♋38 | 2♎44 | 2♎10 | 28♉17 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 19s 4 | 7s23 | 2n35 | 11s47 | 0n55 | 25s10 | 1s40 | 10s18 | 0n12 | 17s37 | 1s31 | 18s30 | 0n57 | 24n 6 | 0n35 | 1n10 | 2n 5 | 35n53 | 15n 4 | 2s 9 | 1s31 | 15n30 | | n.a. |
| F 2 | 19 19 | 3 30 | 1 34 | 12 23 | 0 48 | 25 1 | 1 34 | 10 35 | 0 12 | 17 34 | 1 31 | 18 32 | 0 57 | 24 6 | 0 35 | 1 10 | 2 5 | 35 54 | 15 4 | 2 9 | 1 30 | 15 31 | | n.a. |
| S 3 | 19 34 | 0n27 | 0 29 | 12 58 | 0 40 | 24 50 | 1 29 | 10 52 | 0 11 | 17 32 | 1 31 | 18 34 | 0 57 | 24 6 | 0 35 | 1 9 | 2 5 | 35 54 | 15 5 | 2 10 | 1 29 | 15 32 | | n.a. |
| S 4 | 19 49 | 4 19 | 0s36 | 13 34 | 0 32 | 24 40 | 1 23 | 11 9 | 0 10 | 17 30 | 1 30 | 18 35 | 0 57 | 24 6 | 0 35 | 1 9 | 2 5 | 35 55 | 15 5 | 2 10 | 1 28 | 15 33 | | n.a. |
| M 5 | 20 3 | 7 58 | 1 39 | 14 9 | 0 24 | 24 28 | 1 17 | 11 26 | 0 9 | 17 27 | 1 30 | 18 37 | 0 57 | 24 7 | 0 35 | 1 8 | 2 5 | 35 55 | 15 6 | 2 9 | 1 26 | 15 34 | | n.a. |
| T 6 | 20 17 | 11 17 | 2 36 | 14 44 | 0 17 | 24 17 | 1 11 | 11 43 | 0 9 | 17 24 | 1 30 | 18 39 | 0 56 | 24 7 | 0 35 | 1 8 | 2 5 | 35 56 | 15 6 | 2 7 | 1 25 | 15 35 | | n.a. |
| W 7 | 20 31 | 14 9 | 3 27 | 15 18 | 0 9 | 24 5 | 1 5 | 11 59 | 0 8 | 17 22 | 1 29 | 18 41 | 0 56 | 24 7 | 0 35 | 1 7 | 2 5 | 35 57 | 15 7 | 2 4 | 1 24 | 15 36 | | n.a. |
| T 8 | 20 44 | 16 25 | 4 9 | 15 52 | 0 2 | 23 52 | 0 58 | 12 16 | 0 7 | 17 19 | 1 29 | 18 42 | 0 56 | 24 7 | 0 35 | 1 6 | 2 6 | 35 57 | 15 7 | 2 1 | 1 22 | 15 37 | | n.a. |
| F 9 | 20 57 | 17 59 | 4 40 | 16 26 | 0s 5 | 23 39 | 0 51 | 12 32 | 0 7 | 17 16 | 1 29 | 18 44 | 0 56 | 24 7 | 0 35 | 1 6 | 2 6 | 35 58 | 15 8 | 1 56 | 1 21 | 15 38 | | n.a. |
| S 10 | 21 9 | 18 47 | 4 58 | 17 0 | 0 13 | 23 26 | 0 44 | 12 49 | 0 6 | 17 14 | 1 29 | 18 46 | 0 56 | 24 7 | 0 35 | 1 5 | 2 6 | 35 58 | 15 8 | 1 51 | 1 20 | 15 39 | | n.a. |
| S 11 | 21 21 | 18 45 | 5 4 | 17 32 | 0 20 | 23 12 | 0 37 | 13 5 | 0 5 | 17 11 | 1 28 | 18 48 | 0 56 | 24 8 | 0 35 | 1 5 | 2 6 | 35 59 | 15 9 | 1 47 | 1 19 | 15 40 | | n.a. |
| M12 | 21 32 | 17 52 | 4 56 | 18 5 | 0 26 | 22 58 | 0 29 | 13 21 | 0 4 | 17 8 | 1 28 | 18 49 | 0 56 | 24 8 | 0 35 | 1 5 | 2 6 | 36 0 | 15 9 | 1 42 | 1 17 | 15 41 | | n.a. |
| T 13 | 21 43 | 16 8 | 4 34 | 18 36 | 0 33 | 22 44 | 0 21 | 13 37 | 0 4 | 17 5 | 1 28 | 18 51 | 0 56 | 24 8 | 0 35 | 1 4 | 2 6 | 36 0 | 15 9 | 1 39 | 1 16 | 15 42 | | n.a. |
| W14 | 21 54 | 13 39 | 3 59 | 19 7 | 0 40 | 22 29 | 0 13 | 13 53 | 0 3 | 17 2 | 1 28 | 18 53 | 0 56 | 24 8 | 0 35 | 1 4 | 2 6 | 36 1 | 15 10 | 1 37 | 1 15 | 15 43 | | n.a. |
| T 15 | 22 4 | 10 28 | 3 12 | 19 38 | 0 46 | 22 14 | 0 5 | 14 9 | 0 2 | 16 59 | 1 27 | 18 55 | 0 56 | 24 8 | 0 35 | 1 3 | 2 6 | 36 2 | 15 10 | 1 36 | 1 13 | 15 44 | | n.a. |
| F 16 | 22 14 | 6 42 | 2 14 | 20 7 | 0 52 | 21 59 | 0n 4 | 14 24 | 0 1 | 16 56 | 1 27 | 18 56 | 0 56 | 24 9 | 0 35 | 1 3 | 2 6 | 36 2 | 15 11 | 1 35 | 1 12 | 15 45 | | n.a. |
| S 17 | 22 23 | 2 30 | 1 7 | 20 36 | 0 58 | 21 43 | 0 13 | 14 40 | 0 1 | 16 53 | 1 27 | 18 58 | 0 56 | 24 9 | 0 35 | 1 2 | 2 6 | 36 3 | 15 11 | 1 35 | 1 11 | 15 46 | | n.a. |
| S 18 | 22 32 | 1s57 | 0n 6 | 21 4 | 1 4 | 21 28 | 0 22 | 14 55 | 0s 0 | 16 50 | 1 27 | 19 0 | 0 56 | 24 9 | 0 35 | 1 2 | 2 6 | 36 3 | 15 12 | 1 35 | 1 10 | 15 47 | | n.a. |
| M19 | 22 41 | 6 27 | 1 21 | 21 31 | 1 9 | 21 12 | 0 31 | 15 11 | 0 1 | 16 47 | 1 26 | 19 1 | 0 56 | 24 9 | 0 35 | 1 2 | 2 6 | 36 4 | 15 12 | 1 35 | 1 8 | 15 48 | | n.a. |
| T 20 | 22 49 | 10 42 | 2 32 | 21 57 | 1 15 | 20 56 | 0 41 | 15 26 | 0 2 | 16 43 | 1 26 | 19 3 | 0 56 | 24 9 | 0 35 | 1 1 | 2 6 | 36 5 | 15 12 | 1 34 | 1 7 | 15 50 | | n.a. |
| W21 | 22 57 | 14 21 | 3 35 | 22 21 | 1 20 | 20 40 | 0 51 | 15 41 | 0 2 | 16 40 | 1 26 | 19 5 | 0 56 | 24 9 | 0 35 | 1 1 | 2 6 | 36 5 | 15 13 | 1 31 | 1 6 | 15 51 | | n.a. |
| T 22 | 23 4 | 17 5 | 4 23 | 22 45 | 1 25 | 20 24 | 1 1 | 15 56 | 0 3 | 16 37 | 1 26 | 19 6 | 0 56 | 24 10 | 0 35 | 1 1 | 2 6 | 36 6 | 15 13 | 1 28 | 1 4 | 15 52 | | n.a. |
| F 23 | 23 10 | 18 37 | 4 53 | 23 8 | 1 29 | 20 7 | 1 11 | 16 11 | 0 4 | 16 34 | 1 26 | 19 8 | 0 56 | 24 10 | 0 35 | 1 0 | 2 7 | 36 6 | 15 14 | 1 24 | 1 3 | 15 53 | | n.a. |
| S 24 | 23 17 | 18 49 | 5 2 | 23 30 | 1 33 | 19 51 | 1 22 | 16 25 | 0 5 | 16 30 | 1 25 | 19 9 | 0 55 | 24 10 | 0 35 | 1 0 | 2 7 | 36 7 | 15 14 | 1 19 | 1 2 | 15 54 | | n.a. |
| S 25 | 23 22 | 17 42 | 4 50 | 23 50 | 1 37 | 19 35 | 1 33 | 16 40 | 0 5 | 16 27 | 1 25 | 19 11 | 0 55 | 24 10 | 0 35 | 1 0 | 2 7 | 36 8 | 15 14 | 1 15 | 1 1 | 15 55 | | n.a. |
| M26 | 23 28 | 15 29 | 4 19 | 24 9 | 1 41 | 19 18 | 1 44 | 16 54 | 0 6 | 16 23 | 1 25 | 19 13 | 0 55 | 24 10 | 0 35 | 0 59 | 2 7 | 36 8 | 15 15 | 1 11 | 0 59 | 15 56 | | n.a. |
| T 27 | 23 33 | 12 25 | 3 34 | 24 26 | 1 45 | 19 2 | 1 56 | 17 8 | 0 7 | 16 20 | 1 25 | 19 14 | 0 55 | 24 11 | 0 35 | 0 59 | 2 7 | 36 9 | 15 15 | 1 9 | 0 58 | 15 57 | | n.a. |
| W28 | 23 37 | 8 48 | 2 39 | 24 43 | 1 48 | 18 46 | 2 7 | 17 22 | 0 8 | 16 16 | 1 24 | 19 16 | 0 55 | 24 11 | 0 35 | 0 59 | 2 7 | 36 10 | 15 16 | 1 7 | 0 57 | 15 58 | | n.a. |
| T 29 | 23 41 | 4 53 | 1 37 | 24 57 | 1 50 | 18 30 | 2 19 | 17 36 | 0 8 | 16 12 | 1 24 | 19 17 | 0 55 | 24 11 | 0 35 | 0 59 | 2 7 | 36 10 | 15 16 | 1 7 | 0 55 | 15 59 | | n.a. |
| F 30 | 23 44 | 0 52 | 0 32 | 25 10 | 1 53 | 18 14 | 2 32 | 17 50 | 0 9 | 16 9 | 1 24 | 19 19 | 0 55 | 24 11 | 0 35 | 0 58 | 2 7 | 36 11 | 15 16 | 1 7 | 0 54 | 16 0 | | n.a. |
| S 31 | 23s47 | 3n 6 | 0s33 | 25s22 | 1s55 | 17s58 | 2n44 | 18s 3 | 0s10 | 16s 5 | 1s24 | 19s20 | 0n55 | 24n11 | 0n35 | 0n58 | 2n 7 | 36n11 | 15n17 | 1s 7 | 0s53 | 16n 1 | | n.a. |

Julian Day Number = 995640.5, Delta T = 12h57m14s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'09, Lahiri = -31°21'08 Julian Calendar 1 Dec. 1988 BCE == Greg. Calendar 14 Nov. 1988 BCE


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## JANUARY 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 34 21 | 25♐ 9'53 | 20♈55 | 20♐49 | 29♉52 | 20♏ 2 | 21♒14 | 28♏40 | 9°R 4 | 2♎24 | 26°R37 | 2°R43 | 2♎ 7 | 28♉24 | n.a. | S 1 |
| M 2 | 5 38 17 | 26°10'25 | 2♉48 | 22°35 | 0♒ 5 | 20°48 | 21°25 | 28°47 | 9♋ 1 | 2°24 | 26♋36 | 2♎40 | 2° 4 | 28°31 | n.a. | M 2 |
| T 3 | 5 42 14 | 27°10'55 | 14°37 | 24°22 | 0°15 | 21°33 | 21°36 | 28°53 | 8°58 | 2°25 | 26°34 | 2°34 | 2° 1 | 28°37 | n.a. | T 3 |
| W 4 | 5 46 10 | 28°11'23 | 26°26 | 26° 9 | 0°24 | 22°19 | 21°47 | 29° 0 | 8°56 | 2°25 | 26°33 | 2°25 | 1°58 | 28°44 | n.a. | W 4 |
| T 5 | 5 50 7 | 29°11'49 | 8♊18 | 27°57 | 0°30 | 23° 5 | 21°58 | 29° 6 | 8°53 | 2°26 | 26°32 | 2°13 | 1°54 | 28°51 | n.a. | T 5 |
| F 6 | 5 54 3 | 0♑12'13 | 20°15 | 29°46 | 0°34 | 23°50 | 22° 9 | 29°13 | 8°51 | 2°26 | 26°30 | 2° 0 | 1°51 | 28°58 | n.a. | F 6 |
| S 7 | 5 58 0 | 1°12'35 | 2♋19 | 1♑36 | 0°R35 | 24°36 | 22°21 | 29°19 | 8°48 | 2°27 | 26°29 | 1°45 | 1°48 | 29° 4 | n.a. | S 7 |
| S 8 | 6 1 57 | 2°12'55 | 14°30 | 3°27 | 0°34 | 25°22 | 22°32 | 29°25 | 8°46 | 2°27 | 26°27 | 1°30 | 1°45 | 29°11 | n.a. | S 8 |
| M 9 | 6 5 53 | 3°13'13 | 26°49 | 5°19 | 0°30 | 26° 8 | 22°44 | 29°32 | 8°43 | 2°28 | 26°26 | 1°17 | 1°42 | 29°18 | n.a. | M 9 |
| T 10 | 6 9 50 | 4°13'29 | 9♌18 | 7°11 | 0°24 | 26°53 | 22°55 | 29°38 | 8°40 | 2°28 | 26°24 | 1° 7 | 1°38 | 29°24 | n.a. | T 10 |
| W11 | 6 13 46 | 5°13'44 | 21°56 | 9° 4 | 0°15 | 27°39 | 23° 7 | 29°44 | 8°38 | 2°28 | 26°23 | 0°59 | 1°35 | 29°31 | n.a. | W11 |
| T 12 | 6 17 43 | 6°13'57 | 4♍47 | 10°58 | 0° 4 | 28°25 | 23°19 | 29°50 | 8°35 | 2°28 | 26°22 | 0°55 | 1°32 | 29°38 | n.a. | T 12 |
| F 13 | 6 21 39 | 7°14'08 | 17°51 | 12°52 | 29♑50 | 29°11 | 23°31 | 29°57 | 8°32 | 2°29 | 26°20 | 0°53 | 1°29 | 29°45 | n.a. | F 13 |
| S 14 | 6 25 36 | 8°14'17 | 1♎11 | 14°46 | 29°34 | 29°57 | 23°43 | 0♐ 3 | 8°30 | 2°29 | 26°19 | 0°52 | 1°26 | 29°51 | n.a. | S 14 |
| S 15 | 6 29 32 | 9°14'25 | 14°50 | 16°41 | 29°15 | 0♐43 | 23°55 | 0° 9 | 8°27 | 2°29 | 26°17 | 0°52 | 1°23 | 29°58 | n.a. | S 15 |
| M16 | 6 33 29 | 10°14'31 | 28°50 | 18°36 | 28°54 | 1°29 | 24° 7 | 0°15 | 8°25 | 2°29 | 26°16 | 0°51 | 1°19 | 0♊ 5 | n.a. | M16 |
| T 17 | 6 37 25 | 11°14'35 | 13♏11 | 20°30 | 28°30 | 2°15 | 24°19 | 0°21 | 8°22 | 2°29 | 26°14 | 0°48 | 1°16 | 0°11 | n.a. | T 17 |
| W18 | 6 41 22 | 12°14'37 | 27°50 | 22°25 | 28° 5 | 3° 1 | 24°32 | 0°27 | 8°19 | 2°29 | 26°12 | 0°42 | 1°13 | 0°18 | n.a. | W18 |
| T 19 | 6 45 19 | 13°14'38 | 12♐43 | 24°18 | 27°37 | 3°46 | 24°44 | 0°33 | 8°17 | 2°30 | 26°11 | 0°34 | 1°10 | 0°25 | n.a. | T 19 |
| F 20 | 6 49 15 | 14°14'36 | 27°42 | 26°10 | 27° 7 | 4°32 | 24°56 | 0°38 | 8°14 | 2°R30 | 26° 9 | 0°24 | 1° 7 | 0°31 | n.a. | F 20 |
| S 21 | 6 53 12 | 15°14'33 | 12♑39 | 28° 1 | 26°36 | 5°18 | 25° 9 | 0°44 | 8°12 | 2°30 | 26° 8 | 0°12 | 1° 4 | 0°38 | n.a. | S 21 |
| S 22 | 6 57 8 | 16°14'28 | 27°23 | 29°50 | 26° 3 | 6° 4 | 25°22 | 0°50 | 8° 9 | 2°29 | 26° 6 | 0° 1 | 1° 0 | 0°45 | n.a. | S 22 |
| M23 | 7 1 5 | 17°14'20 | 11♒46 | 1♒37 | 25°28 | 6°50 | 25°34 | 0°56 | 8° 6 | 2°29 | 26° 5 | 29♍52 | 0°57 | 0°52 | n.a. | M23 |
| T 24 | 7 5 1 | 18°14'10 | 25°44 | 3°21 | 24°53 | 7°36 | 25°47 | 1° 1 | 8° 4 | 2°29 | 26° 3 | 29°45 | 0°54 | 0°58 | n.a. | T 24 |
| W25 | 7 8 58 | 19°13'58 | 9♓13 | 5° 2 | 24°16 | 8°22 | 26° 0 | 1° 7 | 8° 1 | 2°29 | 26° 1 | 29°41 | 0°51 | 1° 5 | n.a. | W25 |
| T 26 | 7 12 54 | 20°13'43 | 22°16 | 6°39 | 23°39 | 9° 8 | 26°13 | 1°12 | 7°59 | 2°29 | 26° 0 | 29°39 | 0°48 | 1°12 | n.a. | T 26 |
| F 27 | 7 16 51 | 21°13'25 | 4♈54 | 8°12 | 23° 1 | 9°54 | 26°25 | 1°18 | 7°56 | 2°29 | 25°58 | 29°D39 | 0°44 | 1°18 | n.a. | F 27 |
| S 28 | 7 20 48 | 22°13'06 | 17°12 | 9°40 | 22°23 | 10°41 | 26°38 | 1°23 | 7°54 | 2°28 | 25°57 | 29°R40 | 0°41 | 1°25 | n.a. | S 28 |
| S 29 | 7 24 44 | 23°12'44 | 29°16 | 11° 3 | 21°45 | 11°27 | 26°51 | 1°28 | 7°51 | 2°28 | 25°55 | 29°40 | 0°38 | 1°32 | n.a. | S 29 |
| M30 | 7 28 41 | 24°12'19 | 11♉10 | 12°20 | 21° 7 | 12°13 | 27° 4 | 1°33 | 7°49 | 2°28 | 25°53 | 29°38 | 0°35 | 1°39 | n.a. | M30 |
| T 31 | 7 32 37 | 25♑11'52 | 23♉ 0 | 13♒31 | 20♑30 | 12♐59 | 27♒18 | 1♐39 | 7♋46 | 2♎27 | 25♋52 | 29♍34 | 0♎32 | 1♊45 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 23s50 | 6n52 | 1s35 | 25s32 | 1s56 | 17s43 | 2n57 | 18s17 | 0s11 | 16s 1 | 1s24 | 19s22 | 0n55 | 24n12 | 0n35 | 0n58 | 2n 7 | 36n12 | 15n17 | 1s 6 | 0s52 | 16n 2 | | | n.a. |
| M 2 | 23 52 | 10 19 | 2 32 | 25 40 | 1 58 | 17 28 | 3 9 | 18 30 | 0 12 | 15 58 | 1 23 | 19 23 | 0 55 | 24 12 | 0 36 | 0 58 | 2 7 | 36 13 | 15 17 | 1 5 | 0 50 | 16 3 | | | n.a. |
| T 3 | 23 53 | 13 20 | 3 22 | 25 46 | 1 58 | 17 13 | 3 22 | 18 43 | 0 12 | 15 54 | 1 23 | 19 25 | 0 55 | 24 12 | 0 36 | 0 58 | 2 7 | 36 13 | 15 18 | 1 2 | 0 49 | 16 4 | | | n.a. |
| W 4 | 23 54 | 15 48 | 4 3 | 25 50 | 1 59 | 16 58 | 3 36 | 18 56 | 0 13 | 15 50 | 1 23 | 19 26 | 0 55 | 24 12 | 0 36 | 0 58 | 2 7 | 36 14 | 15 18 | 0 59 | 0 48 | 16 5 | | | n.a. |
| T 5 | 23 55 | 17 37 | 4 34 | 25 53 | 1 58 | 16 43 | 3 49 | 19 8 | 0 14 | 15 46 | 1 23 | 19 28 | 0 55 | 24 12 | 0 36 | 0 57 | 2 7 | 36 14 | 15 18 | 0 54 | 0 46 | 16 6 | | | n.a. |
| F 6 | 23 55 | 18 41 | 4 53 | 25 53 | 1 58 | 16 30 | 4 2 | 19 21 | 0 15 | 15 42 | 1 23 | 19 29 | 0 55 | 24 13 | 0 36 | 0 57 | 2 7 | 36 15 | 15 18 | 0 48 | 0 45 | 16 7 | | | n.a. |
| S 7 | 23 55 | 18 55 | 4 59 | 25 51 | 1 57 | 16 16 | 4 16 | 19 33 | 0 16 | 15 38 | 1 22 | 19 31 | 0 55 | 24 13 | 0 36 | 0 57 | 2 8 | 36 16 | 15 19 | 0 42 | 0 44 | 16 8 | | | n.a. |
| S 8 | 23 54 | 18 17 | 4 52 | 25 47 | 1 55 | 16 3 | 4 30 | 19 45 | 0 16 | 15 34 | 1 22 | 19 32 | 0 55 | 24 13 | 0 36 | 0 57 | 2 8 | 36 16 | 15 19 | 0 37 | 0 43 | 16 9 | | | n.a. |
| M 9 | 23 53 | 16 47 | 4 31 | 25 41 | 1 53 | 15 50 | 4 43 | 19 57 | 0 17 | 15 30 | 1 22 | 19 34 | 0 55 | 24 13 | 0 36 | 0 57 | 2 8 | 36 17 | 15 19 | 0 31 | 0 41 | 16 10 | | | n.a. |
| T 10 | 23 51 | 14 29 | 3 56 | 25 33 | 1 50 | 15 38 | 4 57 | 20 9 | 0 18 | 15 26 | 1 22 | 19 35 | 0 55 | 24 13 | 0 36 | 0 57 | 2 8 | 36 17 | 15 19 | 0 27 | 0 40 | 16 11 | | | n.a. |
| W11 | 23 49 | 11 29 | 3 10 | 25 23 | 1 47 | 15 27 | 5 11 | 20 20 | 0 19 | 15 22 | 1 22 | 19 36 | 0 55 | 24 14 | 0 36 | 0 57 | 2 8 | 36 18 | 15 20 | 0 24 | 0 39 | 16 12 | | | n.a. |
| T 12 | 23 46 | 7 53 | 2 13 | 25 10 | 1 43 | 15 16 | 5 24 | 20 32 | 0 20 | 15 18 | 1 22 | 19 38 | 0 55 | 24 14 | 0 36 | 0 57 | 2 8 | 36 18 | 15 20 | 0 22 | 0 37 | 16 13 | | | n.a. |
| F 13 | 23 43 | 3 51 | 1 8 | 24 55 | 1 38 | 15 6 | 5 38 | 20 43 | 0 21 | 15 14 | 1 21 | 19 39 | 0 55 | 24 14 | 0 36 | 0 57 | 2 8 | 36 19 | 15 20 | 0 21 | 0 36 | 16 13 | | | n.a. |
| S 14 | 23 39 | 0s27 | 0n 2 | 24 37 | 1 33 | 14 56 | 5 51 | 20 54 | 0 21 | 15 9 | 1 21 | 19 40 | 0 55 | 24 14 | 0 36 | 0 57 | 2 8 | 36 19 | 15 20 | 0 21 | 0 35 | 16 14 | | | n.a. |
| S 15 | 23 35 | 4 50 | 1 13 | 24 17 | 1 27 | 14 47 | 6 4 | 21 4 | 0 22 | 15 5 | 1 21 | 19 42 | 0 55 | 24 14 | 0 36 | 0 57 | 2 8 | 36 20 | 15 21 | 0 21 | 0 33 | 16 15 | | | n.a. |
| M16 | 23 31 | 9 4 | 2 22 | 23 55 | 1 20 | 14 39 | 6 17 | 21 15 | 0 23 | 15 1 | 1 21 | 19 43 | 0 55 | 24 14 | 0 36 | 0 57 | 2 8 | 36 20 | 15 21 | 0 21 | 0 32 | 16 16 | | | n.a. |
| T 17 | 23 26 | 12 52 | 3 24 | 23 31 | 1 13 | 14 31 | 6 29 | 21 25 | 0 24 | 14 57 | 1 21 | 19 44 | 0 55 | 24 15 | 0 36 | 0 57 | 2 8 | 36 21 | 15 21 | 0 19 | 0 31 | 16 17 | | | n.a. |
| W18 | 23 21 | 15 58 | 4 13 | 23 5 | 1 5 | 14 25 | 6 41 | 21 35 | 0 25 | 14 52 | 1 21 | 19 46 | 0 55 | 24 15 | 0 36 | 0 57 | 2 8 | 36 22 | 15 21 | 0 17 | 0 30 | 16 18 | | | n.a. |
| T 19 | 23 15 | 18 2 | 4 47 | 22 36 | 0 56 | 14 19 | 6 53 | 21 45 | 0 25 | 14 48 | 1 20 | 19 47 | 0 55 | 24 15 | 0 36 | 0 57 | 2 8 | 36 22 | 15 21 | 0 14 | 0 28 | 16 19 | | | n.a. |
| F 20 | 23 8 | 18 53 | 5 1 | 22 6 | 0 47 | 14 14 | 7 4 | 21 54 | 0 26 | 14 43 | 1 20 | 19 48 | 0 55 | 24 15 | 0 36 | 0 57 | 2 9 | 36 23 | 15 22 | 0 10 | 0 27 | 16 20 | | | n.a. |
| S 21 | 23 2 | 18 26 | 4 54 | 21 34 | 0 36 | 14 9 | 7 14 | 22 4 | 0 27 | 14 39 | 1 20 | 19 49 | 0 55 | 24 15 | 0 36 | 0 57 | 2 9 | 36 23 | 15 22 | 0 5 | 0 26 | 16 21 | | | n.a. |
| S 22 | 22 55 | 16 44 | 4 28 | 21 1 | 0 26 | 14 6 | 7 24 | 22 13 | 0 28 | 14 35 | 1 20 | 19 51 | 0 55 | 24 15 | 0 36 | 0 57 | 2 9 | 36 24 | 15 22 | 0 1 | 0 24 | 16 22 | | | n.a. |
| M23 | 22 47 | 14 0 | 3 45 | 20 26 | 0 14 | 14 3 | 7 33 | 22 22 | 0 29 | 14 30 | 1 20 | 19 52 | 0 55 | 24 16 | 0 36 | 0 57 | 2 9 | 36 24 | 15 22 | 0n 3 | 0 23 | 16 23 | | | n.a. |
| T 24 | 22 39 | 10 32 | 2 50 | 19 50 | 0 2 | 14 1 | 7 42 | 22 30 | 0 30 | 14 26 | 1 20 | 19 53 | 0 55 | 24 16 | 0 36 | 0 57 | 2 9 | 36 24 | 15 22 | 0 6 | 0 22 | 16 24 | | | n.a. |
| W25 | 22 31 | 6 38 | 1 46 | 19 13 | 0n10 | 14 0 | 7 49 | 22 39 | 0 30 | 14 21 | 1 19 | 19 54 | 0 55 | 24 16 | 0 36 | 0 57 | 2 9 | 36 25 | 15 22 | 0 8 | 0 21 | 16 25 | | | n.a. |
| T 26 | 22 22 | 2 32 | 0 39 | 18 36 | 0 24 | 13 59 | 7 56 | 22 47 | 0 31 | 14 16 | 1 19 | 19 55 | 0 55 | 24 16 | 0 36 | 0 58 | 2 9 | 36 25 | 15 22 | 0 8 | 0 19 | 16 26 | | | n.a. |
| F 27 | 22 12 | 1n34 | 0s28 | 17 59 | 0 37 | 14 0 | 8 2 | 22 55 | 0 32 | 14 12 | 1 19 | 19 56 | 0 55 | 24 16 | 0 36 | 0 58 | 2 9 | 36 26 | 15 23 | 0 8 | 0 18 | 16 27 | | | n.a. |
| S 28 | 22 3 | 5 29 | 1 32 | 17 22 | 0 51 | 14 1 | 8 7 | 23 2 | 0 33 | 14 7 | 1 19 | 19 58 | 0 55 | 24 16 | 0 36 | 0 58 | 2 9 | 36 26 | 15 23 | 0 8 | 0 17 | 16 28 | | | n.a. |
| S 29 | 21 53 | 9 5 | 2 31 | 16 46 | 1 5 | 14 3 | 8 11 | 23 10 | 0 34 | 14 2 | 1 19 | 19 59 | 0 55 | 24 17 | 0 36 | 0 58 | 2 9 | 36 27 | 15 23 | 0 8 | 0 15 | 16 29 | | | n.a. |
| M30 | 21 42 | 12 17 | 3 22 | 16 11 | 1 19 | 14 6 | 8 14 | 23 17 | 0 35 | 13 58 | 1 19 | 20 0 | 0 55 | 24 17 | 0 36 | 0 58 | 2 9 | 36 27 | 15 23 | 0 9 | 0 14 | 16 30 | | | n.a. |
| T 31 | 21s31 | 14n57 | 4s 5 | 15s37 | 1n33 | 14s 9 | 8n16 | 23s24 | 0s35 | 13s53 | 1s19 | 20s 1 | 0n55 | 24n17 | 0n36 | 0n58 | 2n 9 | 36n28 | 15n23 | 0n10 | 0s13 | 16n30 | | | n.a. |

Julian Day Number = 995671.5, Delta T = 12h57m12s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'05, Lahiri = -31°21'04 Julian Calendar 1 Jan. 1987 BCE == Greg. Calendar 15 Dec. 1988 BCE


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## FEBRUARY 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 36 34 | 26♉11'22 | 4♊51 | 14♒35 | 19°R53 | 13♐45 | 27♒31 | 1♐44 | 7°R44 | 2°R27 | 25°R50 | 29°R28 | 0♎29 | 1♊52 | n.a. | W 1 |
| T 2 | 7 40 30 | 27°10'51 | 16°46 | 15°32 | 19♉18 | 14°31 | 27°44 | 1°49 | 7♋41 | 2♎27 | 25♋49 | 29♍19 | 0°25 | 1°59 | n.a. | T 2 |
| F 3 | 7 44 27 | 28°10'16 | 28°48 | 16°22 | 18°43 | 15°17 | 27°57 | 1°54 | 7°39 | 2°26 | 25°47 | 29° 9 | 0°22 | 2° 5 | n.a. | F 3 |
| S 4 | 7 48 23 | 29° 9'40 | 11♋ 0 | 17° 5 | 18°11 | 16° 3 | 28°11 | 1°59 | 7°36 | 2°26 | 25°45 | 28°57 | 0°19 | 2°12 | n.a. | S 4 |
| S 5 | 7 52 20 | 0♒ 9'01 | 23°23 | 17°39 | 17°39 | 16°49 | 28°24 | 2° 4 | 7°34 | 2°25 | 25°44 | 28°46 | 0°16 | 2°19 | n.a. | S 5 |
| M 6 | 7 56 16 | 1° 8'20 | 5♌57 | 18° 6 | 17°10 | 17°35 | 28°37 | 2° 8 | 7°32 | 2°25 | 25°42 | 28°36 | 0°13 | 2°25 | n.a. | M 6 |
| T 7 | 8 0 13 | 2° 7'37 | 18°43 | 18°25 | 16°43 | 18°21 | 28°51 | 2°13 | 7°29 | 2°24 | 25°41 | 28°28 | 0°10 | 2°32 | n.a. | T 7 |
| W 8 | 8 4 10 | 3° 6'51 | 1♍41 | 18°36 | 16°17 | 19° 7 | 29° 4 | 2°18 | 7°27 | 2°23 | 25°39 | 28°22 | 0° 6 | 2°39 | n.a. | W 8 |
| T 9 | 8 8 6 | 4° 6'04 | 14°49 | 18°R39 | 15°54 | 19°53 | 29°18 | 2°22 | 7°25 | 2°23 | 25°37 | 28°19 | 0° 3 | 2°46 | n.a. | T 9 |
| F 10 | 8 12 3 | 5° 5'14 | 28° 9 | 18°35 | 15°34 | 20°39 | 29°32 | 2°27 | 7°22 | 2°22 | 25°36 | 28°D18 | 29♍59 | 2°52 | n.a. | F 10 |
| S 11 | 8 15 59 | 6° 4'22 | 11♎41 | 18°23 | 15°15 | 21°25 | 29°45 | 2°31 | 7°20 | 2°21 | 25°34 | 28°19 | 29°57 | 2°59 | n.a. | S 11 |
| S 12 | 8 19 56 | 7° 3'29 | 25°26 | 18° 5 | 14°59 | 22°11 | 29°59 | 2°35 | 7°18 | 2°21 | 25°33 | 28°20 | 29°54 | 3° 6 | n.a. | S 12 |
| M13 | 8 23 52 | 8° 2'33 | 9♏23 | 17°40 | 14°46 | 22°58 | 0♓13 | 2°40 | 7°16 | 2°20 | 25°31 | 28°R21 | 29°50 | 3°12 | n.a. | M13 |
| T 14 | 8 27 49 | 9° 1'36 | 23°34 | 17° 9 | 14°35 | 23°44 | 0°26 | 2°44 | 7°14 | 2°19 | 25°30 | 28°20 | 29°47 | 3°19 | n.a. | T 14 |
| W15 | 8 31 45 | 10° 0'37 | 7♐55 | 16°33 | 14°26 | 24°30 | 0°40 | 2°48 | 7°12 | 2°18 | 25°28 | 28°17 | 29°44 | 3°26 | n.a. | W15 |
| T 16 | 8 35 42 | 10°59'36 | 22°24 | 15°53 | 14°20 | 25°16 | 0°54 | 2°52 | 7°10 | 2°18 | 25°26 | 28°12 | 29°41 | 3°33 | n.a. | T 16 |
| F 17 | 8 39 38 | 11°58'33 | 6♑57 | 15° 9 | 14°16 | 26° 2 | 1° 8 | 2°56 | 7° 8 | 2°17 | 25°25 | 28° 5 | 29°38 | 3°39 | n.a. | F 17 |
| S 18 | 8 43 35 | 12°57'28 | 21°28 | 14°23 | 14°D15 | 26°48 | 1°22 | 3° 0 | 7° 6 | 2°16 | 25°23 | 27°58 | 29°35 | 3°46 | n.a. | S 18 |
| S 19 | 8 47 32 | 13°56'21 | 5♒49 | 13°35 | 14°16 | 27°34 | 1°36 | 3° 4 | 7° 4 | 2°15 | 25°22 | 27°51 | 29°31 | 3°53 | n.a. | S 19 |
| M20 | 8 51 28 | 14°55'12 | 19°55 | 12°47 | 14°20 | 28°20 | 1°50 | 3° 7 | 7° 2 | 2°14 | 25°20 | 27°45 | 29°28 | 3°59 | n.a. | M20 |
| T 21 | 8 55 25 | 15°54'00 | 3♓41 | 11°59 | 14°26 | 29° 6 | 2° 3 | 3°11 | 7° 0 | 2°13 | 25°19 | 27°41 | 29°25 | 4° 6 | n.a. | T 21 |
| W22 | 8 59 21 | 16°52'46 | 17° 4 | 11°12 | 14°34 | 29°52 | 2°17 | 3°14 | 6°58 | 2°12 | 25°17 | 27°38 | 29°22 | 4°13 | n.a. | W22 |
| T 23 | 9 3 18 | 17°51'30 | 0♈ 5 | 10°27 | 14°44 | 0♑38 | 2°31 | 3°18 | 6°56 | 2°11 | 25°16 | 27°D38 | 29°19 | 4°20 | n.a. | T 23 |
| F 24 | 9 7 14 | 18°50'12 | 12°45 | 9°45 | 14°56 | 1°24 | 2°46 | 3°21 | 6°55 | 2°10 | 25°15 | 27°39 | 29°16 | 4°26 | n.a. | F 24 |
| S 25 | 9 11 11 | 19°48'51 | 25° 6 | 9° 6 | 15°11 | 2°10 | 3° 0 | 3°25 | 6°53 | 2° 9 | 25°13 | 27°40 | 29°12 | 4°33 | n.a. | S 25 |
| S 26 | 9 15 7 | 20°47'28 | 7♉12 | 8°32 | 15°27 | 2°56 | 3°14 | 3°28 | 6°51 | 2° 8 | 25°12 | 27°42 | 29° 9 | 4°40 | n.a. | S 26 |
| M27 | 9 19 4 | 21°46'03 | 19° 9 | 8° 1 | 15°45 | 3°42 | 3°28 | 3°31 | 6°49 | 2° 7 | 25°10 | 27°R43 | 29° 6 | 4°46 | n.a. | M27 |
| T 28 | 9 23 0 | 22♒44'35 | 1♊ 2 | 7♒36 | 16♑ 5 | 4♑28 | 3♓42 | 3♐34 | 6♋48 | 2♎ 6 | 25♋ 9 | 27♍42 | 29♍ 3 | 4♊53 | n.a. | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21 s20 | 17n 0 | 4 s36 | 15 s 4 | 1n48 | 14 s13 | 8n17 | 23 s31 | 0 s36 | 13 s48 | 1 s19 | 20 s 2 | 0n55 | 24n17 | 0n36 | 0n59 | 2n 9 | 36n28 | 15n23 | 0n13 | 0 s12 | 16n31 | | n.a. |
| T 2 | 21 9 | 18 20 | 4 56 | 14 34 | 2 2 | 14 18 | 8 17 | 23 37 | 0 37 | 13 44 | 1 18 | 20 3 | 0 55 | 24 17 | 0 36 | 0 59 | 2 9 | 36 28 | 15 23 | 0 17 | 0 10 | 16 32 | | n.a. |
| F 3 | 20 57 | 18 51 | 5 4 | 14 6 | 2 15 | 14 23 | 8 17 | 23 43 | 0 38 | 13 39 | 1 18 | 20 4 | 0 55 | 24 17 | 0 36 | 0 59 | 2 9 | 36 29 | 15 23 | 0 21 | 0 9 | 16 33 | | n.a. |
| S 4 | 20 44 | 18 31 | 4 57 | 13 41 | 2 28 | 14 28 | 8 15 | 23 49 | 0 39 | 13 34 | 1 18 | 20 5 | 0 55 | 24 17 | 0 36 | 0 59 | 2 10 | 36 29 | 15 23 | 0 25 | 0 8 | 16 34 | | n.a. |
| S 5 | 20 31 | 17 19 | 4 36 | 13 18 | 2 41 | 14 35 | 8 13 | 23 55 | 0 40 | 13 29 | 1 18 | 20 6 | 0 55 | 24 18 | 0 36 | 1 0 | 2 10 | 36 30 | 15 23 | 0 30 | 0 6 | 16 35 | | n.a. |
| M 6 | 20 18 | 15 15 | 4 2 | 12 58 | 2 53 | 14 41 | 8 10 | 24 0 | 0 41 | 13 24 | 1 18 | 20 7 | 0 55 | 24 18 | 0 36 | 1 0 | 2 10 | 36 30 | 15 23 | 0 34 | 0 5 | 16 36 | | n.a. |
| T 7 | 20 5 | 12 25 | 3 15 | 12 42 | 3 4 | 14 49 | 8 6 | 24 5 | 0 41 | 13 19 | 1 18 | 20 8 | 0 55 | 24 18 | 0 36 | 1 0 | 2 10 | 36 30 | 15 23 | 0 37 | 0 4 | 16 37 | | n.a. |
| W 8 | 19 51 | 8 57 | 2 18 | 12 29 | 3 14 | 14 56 | 8 2 | 24 10 | 0 42 | 13 14 | 1 18 | 20 9 | 0 55 | 24 18 | 0 36 | 1 1 | 2 10 | 36 31 | 15 23 | 0 40 | 0 3 | 16 38 | | n.a. |
| T 9 | 19 37 | 5 0 | 1 12 | 12 19 | 3 23 | 15 4 | 7 56 | 24 14 | 0 43 | 13 9 | 1 18 | 20 10 | 0 55 | 24 18 | 0 36 | 1 1 | 2 10 | 36 31 | 15 23 | 0 41 | 0 1 | 16 39 | | n.a. |
| F 10 | 19 23 | 0 44 | 0 1 | 12 13 | 3 31 | 15 12 | 7 50 | 24 19 | 0 44 | 13 4 | 1 18 | 20 11 | 0 55 | 24 18 | 0 36 | 1 1 | 2 10 | 36 31 | 15 23 | 0 41 | 0n 0 | 16 40 | | n.a. |
| S 11 | 19 8 | 3 s37 | 1n11 | 12 11 | 3 37 | 15 21 | 7 44 | 24 23 | 0 45 | 12 59 | 1 18 | 20 11 | 0 55 | 24 18 | 0 36 | 1 2 | 2 10 | 36 32 | 15 23 | 0 41 | 0 1 | 16 40 | | n.a. |
| S 12 | 18 53 | 7 51 | 2 21 | 12 12 | 3 42 | 15 29 | 7 37 | 24 27 | 0 46 | 12 54 | 1 17 | 20 12 | 0 55 | 24 18 | 0 36 | 1 2 | 2 10 | 36 32 | 15 23 | 0 41 | 0 3 | 16 41 | | n.a. |
| M13 | 18 37 | 11 43 | 3 23 | 12 16 | 3 46 | 15 38 | 7 29 | 24 30 | 0 46 | 12 49 | 1 17 | 20 13 | 0 55 | 24 19 | 0 36 | 1 2 | 2 10 | 36 32 | 15 23 | 0 40 | 0 4 | 16 42 | | n.a. |
| T 14 | 18 22 | 14 57 | 4 13 | 12 24 | 3 47 | 15 47 | 7 22 | 24 33 | 0 47 | 12 44 | 1 17 | 20 14 | 0 55 | 24 19 | 0 36 | 1 3 | 2 10 | 36 32 | 15 23 | 0 41 | 0 5 | 16 43 | | n.a. |
| W15 | 18 6 | 17 19 | 4 49 | 12 35 | 3 47 | 15 56 | 7 13 | 24 36 | 0 48 | 12 39 | 1 17 | 20 15 | 0 55 | 24 19 | 0 36 | 1 3 | 2 10 | 36 33 | 15 23 | 0 42 | 0 6 | 16 44 | | n.a. |
| T 16 | 17 49 | 18 36 | 5 6 | 12 49 | 3 45 | 16 6 | 7 5 | 24 39 | 0 49 | 12 34 | 1 17 | 20 16 | 0 55 | 24 19 | 0 36 | 1 3 | 2 10 | 36 33 | 15 23 | 0 44 | 0 8 | 16 45 | | n.a. |
| F 17 | 17 33 | 18 40 | 5 4 | 13 5 | 3 42 | 16 15 | 6 56 | 24 41 | 0 50 | 12 29 | 1 17 | 20 16 | 0 55 | 24 19 | 0 36 | 1 4 | 2 10 | 36 33 | 15 23 | 0 47 | 0 9 | 16 46 | | n.a. |
| S 18 | 17 16 | 17 31 | 4 43 | 13 24 | 3 36 | 16 24 | 6 47 | 24 43 | 0 51 | 12 24 | 1 17 | 20 17 | 0 55 | 24 19 | 0 36 | 1 4 | 2 10 | 36 33 | 15 23 | 0 49 | 0 10 | 16 47 | | n.a. |
| S 19 | 16 59 | 15 16 | 4 3 | 13 45 | 3 29 | 16 33 | 6 37 | 24 45 | 0 51 | 12 19 | 1 17 | 20 18 | 0 55 | 24 19 | 0 36 | 1 5 | 2 10 | 36 34 | 15 23 | 0 52 | 0 12 | 16 48 | | n.a. |
| M20 | 16 41 | 12 8 | 3 10 | 14 7 | 3 21 | 16 42 | 6 28 | 24 47 | 0 52 | 12 14 | 1 17 | 20 19 | 0 55 | 24 19 | 0 36 | 1 5 | 2 11 | 36 34 | 15 23 | 0 55 | 0 13 | 16 48 | | n.a. |
| T 21 | 16 23 | 8 24 | 2 6 | 14 30 | 3 11 | 16 52 | 6 18 | 24 48 | 0 53 | 12 9 | 1 17 | 20 19 | 0 55 | 24 19 | 0 36 | 1 5 | 2 11 | 36 34 | 15 23 | 0 56 | 0 14 | 16 49 | | n.a. |
| W22 | 16 5 | 4 20 | 0 57 | 14 54 | 2 59 | 17 0 | 6 8 | 24 49 | 0 54 | 12 3 | 1 17 | 20 20 | 0 55 | 24 19 | 0 36 | 1 6 | 2 11 | 36 34 | 15 22 | 0 57 | 0 15 | 16 50 | | n.a. |
| T 23 | 15 47 | 0 10 | 0 s13 | 15 18 | 2 47 | 17 9 | 5 58 | 24 50 | 0 55 | 11 58 | 1 17 | 20 21 | 0 55 | 24 20 | 0 36 | 1 6 | 2 11 | 36 34 | 15 22 | 0 58 | 0 17 | 16 51 | | n.a. |
| F 24 | 15 29 | 3n53 | 1 21 | 15 42 | 2 33 | 17 18 | 5 48 | 24 50 | 0 56 | 11 53 | 1 16 | 20 21 | 0 55 | 24 20 | 0 36 | 1 7 | 2 11 | 36 35 | 15 22 | 0 57 | 0 18 | 16 52 | | n.a. |
| S 25 | 15 10 | 7 41 | 2 24 | 16 6 | 2 19 | 17 26 | 5 38 | 24 51 | 0 56 | 11 48 | 1 16 | 20 22 | 0 55 | 24 20 | 0 36 | 1 7 | 2 11 | 36 35 | 15 22 | 0 57 | 0 19 | 16 53 | | n.a. |
| S 26 | 14 51 | 11 4 | 3 19 | 16 30 | 2 4 | 17 35 | 5 28 | 24 50 | 0 57 | 11 42 | 1 16 | 20 22 | 0 55 | 24 20 | 0 35 | 1 8 | 2 11 | 36 35 | 15 22 | 0 56 | 0 21 | 16 54 | | n.a. |
| M27 | 14 32 | 13 57 | 4 4 | 16 52 | 1 49 | 17 43 | 5 18 | 24 50 | 0 58 | 11 37 | 1 16 | 20 23 | 0 55 | 24 20 | 0 35 | 1 8 | 2 11 | 36 35 | 15 22 | 0 56 | 0 22 | 16 54 | | n.a. |
| T 28 | 14 s13 | 16n14 | 4 s39 | 17 s14 | 1n34 | 17 s50 | 5n 8 | 24 s49 | 0 s59 | 11 s32 | 1 s16 | 20 s24 | 0n55 | 24n20 | 0n35 | 1n 9 | 2n11 | 36n35 | 15n22 | 0n56 | 0n23 | 16n55 | | n.a. |

Julian Day Number = 995702.5, Delta T = 12h57m10s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°28'01, Lahiri = -31°21'00 Julian Calendar 1 Feb. 1987 BCE == Greg. Calendar 15 Jan. 1987 BCE


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## MARCH 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 26 57 | 23♒43'05 | 12♊54 | 7°R15 | 16♉27 | 5♉14 | 3♓56 | 3♐37 | 6°R46 | 2°R 4 | 25°R 7 | 27°R41 | 29♍ 0 | 5♊ 0 | n.a. | W 1 |
| T 2 | 9 30 54 | 24°41'32 | 24°51 | 7♒ 0 | 16°51 | 5°59 | 4°10 | 3°40 | 6♋45 | 2♎ 3 | 25♋ 6 | 27♍37 | 28°56 | 5° 7 | n.a. | T 2 |
| F 3 | 9 34 50 | 25°39'58 | 6♋58 | 6°49 | 17°16 | 6°45 | 4°24 | 3°42 | 6°43 | 2° 2 | 25° 5 | 27°33 | 28°53 | 5°13 | n.a. | F 3 |
| S 4 | 9 38 47 | 26°38'21 | 19°16 | 6°D44 | 17°43 | 7°31 | 4°38 | 3°45 | 6°42 | 2° 1 | 25° 3 | 27°28 | 28°50 | 5°20 | n.a. | S 4 |
| S 5 | 9 42 43 | 27°36'42 | 1♌48 | 6°44 | 18°12 | 8°17 | 4°53 | 3°48 | 6°41 | 1°59 | 25° 2 | 27°23 | 28°47 | 5°27 | n.a. | S 5 |
| M 6 | 9 46 40 | 28°35'01 | 14°36 | 6°49 | 18°42 | 9° 3 | 5° 7 | 3°50 | 6°39 | 1°58 | 25° 1 | 27°18 | 28°44 | 5°33 | n.a. | M 6 |
| T 7 | 9 50 36 | 29°33'17 | 27°40 | 6°59 | 19°13 | 9°49 | 5°21 | 3°53 | 6°38 | 1°57 | 25° 0 | 27°15 | 28°41 | 5°40 | n.a. | T 7 |
| W 8 | 9 54 33 | 0♓31'32 | 10♍59 | 7°14 | 19°46 | 10°34 | 5°35 | 3°55 | 6°37 | 1°56 | 24°58 | 27°12 | 28°37 | 5°47 | n.a. | W 8 |
| T 9 | 9 58 29 | 1°29'45 | 24°32 | 7°34 | 20°20 | 11°20 | 5°49 | 3°57 | 6°36 | 1°54 | 24°57 | 27°D11 | 28°34 | 5°53 | n.a. | T 9 |
| F 10 | 10 2 26 | 2°27'56 | 8♎17 | 7°58 | 20°56 | 12° 6 | 6° 4 | 3°59 | 6°34 | 1°53 | 24°56 | 27°12 | 28°31 | 6° 0 | n.a. | F 10 |
| S 11 | 10 6 22 | 3°26'05 | 22°11 | 8°27 | 21°33 | 12°51 | 6°18 | 4° 1 | 6°33 | 1°52 | 24°55 | 27°13 | 28°28 | 6° 7 | n.a. | S 11 |
| S 12 | 10 10 19 | 4°24'12 | 6♏14 | 8°59 | 22°11 | 13°37 | 6°32 | 4° 3 | 6°32 | 1°50 | 24°54 | 27°14 | 28°25 | 6°14 | n.a. | S 12 |
| M13 | 10 14 16 | 5°22'18 | 20°22 | 9°36 | 22°50 | 14°23 | 6°46 | 4° 5 | 6°31 | 1°49 | 24°52 | 27°15 | 28°21 | 6°20 | n.a. | M13 |
| T 14 | 10 18 12 | 6°20'23 | 4♐34 | 10°17 | 23°30 | 15° 8 | 7° 0 | 4° 7 | 6°30 | 1°47 | 24°51 | 27°R16 | 28°18 | 6°27 | n.a. | T 14 |
| W15 | 10 22 9 | 7°18'26 | 18°47 | 11° 1 | 24°11 | 15°54 | 7°15 | 4° 9 | 6°30 | 1°46 | 24°50 | 27°16 | 28°15 | 6°34 | n.a. | W15 |
| T 16 | 10 26 5 | 8°16'27 | 3♑ 0 | 11°49 | 24°53 | 16°40 | 7°29 | 4°10 | 6°29 | 1°45 | 24°49 | 27°14 | 28°12 | 6°40 | n.a. | T 16 |
| F 17 | 10 30 2 | 9°14'27 | 17° 9 | 12°40 | 25°36 | 17°25 | 7°43 | 4°12 | 6°28 | 1°43 | 24°48 | 27°13 | 28° 9 | 6°47 | n.a. | F 17 |
| S 18 | 10 33 58 | 10°12'26 | 1♒11 | 13°34 | 26°21 | 18°11 | 7°57 | 4°13 | 6°27 | 1°42 | 24°47 | 27°10 | 28° 6 | 6°54 | n.a. | S 18 |
| S 19 | 10 37 55 | 11°10'23 | 15° 4 | 14°32 | 27° 6 | 18°56 | 8°11 | 4°14 | 6°27 | 1°40 | 24°46 | 27° 8 | 28° 2 | 7° 1 | n.a. | S 19 |
| M20 | 10 41 51 | 12° 8'18 | 28°43 | 15°32 | 27°52 | 19°42 | 8°26 | 4°15 | 6°26 | 1°39 | 24°45 | 27° 6 | 27°59 | 7° 7 | n.a. | M20 |
| T 21 | 10 45 48 | 13° 6'11 | 12♓ 8 | 16°36 | 28°38 | 20°27 | 8°40 | 4°16 | 6°25 | 1°37 | 24°44 | 27° 5 | 27°56 | 7°14 | n.a. | T 21 |
| W22 | 10 49 44 | 14° 4'03 | 25°15 | 17°42 | 29°26 | 21°12 | 8°54 | 4°17 | 6°25 | 1°36 | 24°43 | 27°D 5 | 27°53 | 7°21 | n.a. | W22 |
| T 23 | 10 53 41 | 15° 1'53 | 8♈ 5 | 18°51 | 0♒14 | 21°58 | 9° 8 | 4°18 | 6°24 | 1°34 | 24°42 | 27° 5 | 27°50 | 7°27 | n.a. | T 23 |
| F 24 | 10 57 38 | 15°59'41 | 20°39 | 20° 2 | 1° 3 | 22°43 | 9°22 | 4°19 | 6°24 | 1°33 | 24°41 | 27° 6 | 27°47 | 7°34 | n.a. | F 24 |
| S 25 | 11 1 34 | 16°57'28 | 2♉57 | 21°16 | 1°53 | 23°28 | 9°36 | 4°20 | 6°23 | 1°31 | 24°41 | 27° 7 | 27°43 | 7°41 | n.a. | S 25 |
| S 26 | 11 5 31 | 17°55'12 | 15° 4 | 22°33 | 2°43 | 24°14 | 9°51 | 4°20 | 6°23 | 1°29 | 24°40 | 27° 8 | 27°40 | 7°48 | n.a. | S 26 |
| M27 | 11 9 27 | 18°52'55 | 27° 2 | 23°52 | 3°34 | 24°59 | 10° 5 | 4°21 | 6°23 | 1°28 | 24°39 | 27° 8 | 27°37 | 7°54 | n.a. | M27 |
| T 28 | 11 13 24 | 19°50'37 | 8♊55 | 25°13 | 4°26 | 25°44 | 10°19 | 4°21 | 6°23 | 1°26 | 24°38 | 27° 9 | 27°34 | 8° 1 | n.a. | T 28 |
| W29 | 11 17 20 | 20°48'16 | 20°48 | 26°36 | 5°18 | 26°29 | 10°33 | 4°22 | 6°23 | 1°25 | 24°37 | 27°R 9 | 27°31 | 8° 8 | n.a. | W29 |
| T 30 | 11 21 17 | 21°45'54 | 2♋46 | 28° 2 | 6°11 | 27°14 | 10°47 | 4°22 | 6°22 | 1°23 | 24°37 | 27° 9 | 27°27 | 8°14 | n.a. | T 30 |
| F 31 | 11 25 13 | 22♓43'30 | 14♋53 | 29♒30 | 7♒ 4 | 27♉59 | 11♓ 1 | 4♐22 | 6°D22 | 1♎21 | 24♋36 | 27♍ 9 | 27♍24 | 8♊21 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| W 1 | 13s53 | 17n49 | 5s 2 | 17s34 | 1n18 | 17s58 | 4n58 | 24s48 | 1s 0 | 11s27 | 1s16 | 20s24 | 0n55 | 24n20 | 0n35 | 1n 9 | 2n11 | 36n35 | 15n21 | 0n57 | 0n24 | 16n56 | | | n.a. |
| T 2 | 13 33 | 18 38 | 5 12 | 17 53 | 1 3 | 18 5 | 4 47 | 24 47 | 1 0 | 11 21 | 1 16 | 20 25 | 0 55 | 24 20 | 0 35 | 1 10 | 2 11 | 36 35 | 15 21 | 0 58 | 0 26 | 16 57 | | | n.a. |
| F 3 | 13 13 | 18 37 | 5 8 | 18 11 | 0 47 | 18 12 | 4 37 | 24 46 | 1 1 | 11 16 | 1 16 | 20 25 | 0 55 | 24 20 | 0 35 | 1 10 | 2 11 | 36 36 | 15 21 | 1 0 | 0 27 | 16 58 | | | n.a. |
| S 4 | 12 53 | 17 43 | 4 50 | 18 27 | 0 32 | 18 18 | 4 27 | 24 44 | 1 2 | 11 11 | 1 16 | 20 26 | 0 55 | 24 20 | 0 35 | 1 11 | 2 11 | 36 36 | 15 21 | 1 2 | 0 28 | 16 59 | | | n.a. |
| S 5 | 12 33 | 15 58 | 4 18 | 18 41 | 0 17 | 18 24 | 4 18 | 24 42 | 1 3 | 11 5 | 1 16 | 20 26 | 0 55 | 24 20 | 0 35 | 1 11 | 2 11 | 36 36 | 15 21 | 1 4 | 0 30 | 16 59 | | | n.a. |
| M 6 | 12 12 | 13 24 | 3 32 | 18 53 | 0 3 | 18 30 | 4 8 | 24 40 | 1 4 | 11 0 | 1 16 | 20 27 | 0 55 | 24 20 | 0 35 | 1 12 | 2 11 | 36 36 | 15 20 | 1 6 | 0 31 | 17 0 | | | n.a. |
| T 7 | 11 51 | 10 6 | 2 35 | 19 4 | 0s11 | 18 35 | 3 58 | 24 37 | 1 4 | 10 55 | 1 16 | 20 27 | 0 55 | 24 20 | 0 35 | 1 13 | 2 11 | 36 36 | 15 20 | 1 7 | 0 32 | 17 1 | | | n.a. |
| W 8 | 11 30 | 6 14 | 1 28 | 19 13 | 0 24 | 18 40 | 3 48 | 24 34 | 1 5 | 10 49 | 1 16 | 20 28 | 0 55 | 24 20 | 0 35 | 1 13 | 2 11 | 36 36 | 15 20 | 1 8 | 0 33 | 17 2 | | | n.a. |
| T 9 | 11 9 | 1 59 | 0 15 | 19 21 | 0 37 | 18 44 | 3 39 | 24 31 | 1 6 | 10 44 | 1 16 | 20 28 | 0 55 | 24 20 | 0 35 | 1 14 | 2 11 | 36 36 | 15 20 | 1 8 | 0 35 | 17 3 | | | n.a. |
| F 10 | 10 48 | 2s25 | 1n 1 | 19 26 | 0 49 | 18 48 | 3 29 | 24 28 | 1 7 | 10 39 | 1 16 | 20 28 | 0 55 | 24 20 | 0 35 | 1 14 | 2 11 | 36 36 | 15 20 | 1 8 | 0 36 | 17 4 | | | n.a. |
| S 11 | 10 27 | 6 45 | 2 13 | 19 30 | 1 1 | 18 52 | 3 20 | 24 24 | 1 8 | 10 33 | 1 16 | 20 29 | 0 55 | 24 20 | 0 35 | 1 15 | 2 11 | 36 36 | 15 19 | 1 8 | 0 37 | 17 4 | | | n.a. |
| S 12 | 10 5 | 10 45 | 3 19 | 19 32 | 1 12 | 18 55 | 3 11 | 24 20 | 1 8 | 10 28 | 1 16 | 20 29 | 0 55 | 24 21 | 0 35 | 1 15 | 2 11 | 36 36 | 15 19 | 1 7 | 0 39 | 17 5 | | | n.a. |
| M13 | 9 44 | 14 9 | 4 12 | 19 32 | 1 22 | 18 58 | 3 2 | 24 16 | 1 9 | 10 22 | 1 16 | 20 29 | 0 55 | 24 21 | 0 35 | 1 16 | 2 11 | 36 36 | 15 19 | 1 7 | 0 40 | 17 6 | | | n.a. |
| T 14 | 9 22 | 16 43 | 4 51 | 19 30 | 1 32 | 19 0 | 2 53 | 24 12 | 1 10 | 10 17 | 1 16 | 20 30 | 0 55 | 24 21 | 0 35 | 1 17 | 2 12 | 36 36 | 15 19 | 1 6 | 0 41 | 17 7 | | | n.a. |
| W15 | 9 0 | 18 16 | 5 12 | 19 26 | 1 41 | 19 1 | 2 44 | 24 7 | 1 11 | 10 12 | 1 16 | 20 30 | 0 55 | 24 21 | 0 35 | 1 17 | 2 12 | 36 36 | 15 18 | 1 7 | 0 43 | 17 8 | | | n.a. |
| T 16 | 8 38 | 18 40 | 5 14 | 19 21 | 1 50 | 19 3 | 2 35 | 24 2 | 1 11 | 10 6 | 1 16 | 20 30 | 0 55 | 24 21 | 0 35 | 1 18 | 2 12 | 36 36 | 15 18 | 1 7 | 0 44 | 17 8 | | | n.a. |
| F 17 | 8 16 | 17 54 | 4 56 | 19 13 | 1 57 | 19 3 | 2 26 | 23 57 | 1 12 | 10 1 | 1 16 | 20 31 | 0 55 | 24 21 | 0 35 | 1 19 | 2 12 | 36 36 | 15 18 | 1 8 | 0 45 | 17 9 | | | n.a. |
| S 18 | 7 53 | 16 3 | 4 22 | 19 4 | 2 5 | 19 3 | 2 18 | 23 52 | 1 13 | 9 55 | 1 16 | 20 31 | 0 55 | 24 21 | 0 35 | 1 19 | 2 12 | 36 36 | 15 17 | 1 9 | 0 46 | 17 10 | | | n.a. |
| S 19 | 7 31 | 13 16 | 3 32 | 18 53 | 2 11 | 19 3 | 2 9 | 23 46 | 1 14 | 9 50 | 1 16 | 20 31 | 0 55 | 24 21 | 0 35 | 1 20 | 2 12 | 36 36 | 15 17 | 1 10 | 0 48 | 17 11 | | | n.a. |
| M20 | 7 9 | 9 48 | 2 30 | 18 40 | 2 17 | 19 2 | 2 1 | 23 40 | 1 15 | 9 44 | 1 16 | 20 31 | 0 55 | 24 21 | 0 35 | 1 20 | 2 12 | 36 36 | 15 17 | 1 10 | 0 49 | 17 12 | | | n.a. |
| T 21 | 6 46 | 5 54 | 1 22 | 18 26 | 2 22 | 19 0 | 1 53 | 23 34 | 1 15 | 9 39 | 1 16 | 20 31 | 0 55 | 24 21 | 0 35 | 1 21 | 2 12 | 36 35 | 15 17 | 1 11 | 0 50 | 17 12 | | | n.a. |
| W22 | 6 23 | 1 46 | 0 10 | 18 9 | 2 26 | 18 58 | 1 45 | 23 28 | 1 16 | 9 34 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 22 | 2 12 | 36 35 | 15 16 | 1 11 | 0 52 | 17 13 | | | n.a. |
| T 23 | 6 1 | 2n21 | 1s 1 | 17 51 | 2 30 | 18 56 | 1 37 | 23 21 | 1 17 | 9 28 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 22 | 2 12 | 36 35 | 15 16 | 1 11 | 0 53 | 17 14 | | | n.a. |
| F 24 | 5 38 | 6 16 | 2 7 | 17 31 | 2 33 | 18 52 | 1 29 | 23 14 | 1 17 | 9 23 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 23 | 2 12 | 36 35 | 15 16 | 1 11 | 0 54 | 17 15 | | | n.a. |
| S 25 | 5 15 | 9 50 | 3 6 | 17 9 | 2 36 | 18 49 | 1 22 | 23 7 | 1 18 | 9 17 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 24 | 2 12 | 36 35 | 15 15 | 1 10 | 0 55 | 17 16 | | | n.a. |
| S 26 | 4 52 | 12 56 | 3 56 | 16 45 | 2 38 | 18 45 | 1 14 | 23 0 | 1 19 | 9 12 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 24 | 2 12 | 36 35 | 15 15 | 1 10 | 0 57 | 17 16 | | | n.a. |
| M27 | 4 29 | 15 26 | 4 34 | 16 20 | 2 39 | 18 40 | 1 7 | 22 52 | 1 20 | 9 6 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 25 | 2 12 | 36 35 | 15 15 | 1 10 | 0 58 | 17 17 | | | n.a. |
| T 28 | 4 6 | 17 16 | 5 1 | 15 53 | 2 40 | 18 34 | 1 0 | 22 44 | 1 20 | 9 1 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 26 | 2 12 | 36 34 | 15 14 | 1 9 | 0 59 | 17 18 | | | n.a. |
| W29 | 3 43 | 18 21 | 5 15 | 15 24 | 2 40 | 18 28 | 0 53 | 22 36 | 1 21 | 8 55 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 26 | 2 12 | 36 34 | 15 14 | 1 9 | 1 1 | 17 19 | | | n.a. |
| T 30 | 3 20 | 18 38 | 5 15 | 14 53 | 2 40 | 18 22 | 0 46 | 22 28 | 1 22 | 8 50 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 27 | 2 12 | 36 34 | 15 14 | 1 9 | 1 2 | 17 19 | | | n.a. |
| F 31 | 2s57 | 18n 4 | 5s 2 | 14s20 | 2s38 | 18s15 | 0n39 | 22s20 | 1s22 | 8s45 | 1s16 | 20s32 | 0n55 | 24n21 | 0n35 | 1n28 | 2n12 | 36n34 | 15n13 | 1n 9 | 1n 3 | 17n20 | | | n.a. |

Julian Day Number = 995730.5, Delta T = 12h57m08s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'57, Lahiri = -31°20'56 Julian Calendar 1 March 1987 BCE == Greg. Calendar 12 Feb. 1987 BCE

The year -1986 astronomical counting style corresponds to year 1987 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## APRIL 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 29 10 | 23♓41'04 | 27♋13 | 1♓ 1 | 7♒58 | 28♉44 | 11♓15 | 4°R22 | 6♋22 | 1°R20 | 24°R35 | 27°R 8 | 27♍21 | 8♊28 | n.a. | S 1 |
| S 2 | 11 33 6 | 24°38'37 | 9♌50 | 2°33 | 8°52 | 29°29 | 11°29 | 4♐22 | 6°22 | 1♎18 | 24♋35 | 27♍ 8 | 27°18 | 8°35 | n.a. | S 2 |
| M 3 | 11 37 3 | 25°36'08 | 22°47 | 4° 8 | 9°47 | 0♒14 | 11°43 | 4°22 | 6°23 | 1°17 | 24°34 | 27° 8 | 27°15 | 8°41 | n.a. | M 3 |
| T 4 | 11 41 0 | 26°33'37 | 6♍ 3 | 5°45 | 10°43 | 0°59 | 11°57 | 4°21 | 6°23 | 1°15 | 24°34 | 27° 8 | 27°12 | 8°48 | n.a. | T 4 |
| W 5 | 11 44 56 | 27°31'05 | 19°41 | 7°24 | 11°39 | 1°44 | 12°11 | 4°21 | 6°23 | 1°13 | 24°33 | 27° 8 | 27° 8 | 8°55 | n.a. | W 5 |
| T 6 | 11 48 53 | 28°28'32 | 3♎37 | 9° 5 | 12°35 | 2°28 | 12°25 | 4°21 | 6°23 | 1°12 | 24°32 | 27° 8 | 27° 5 | 9° 2 | n.a. | T 6 |
| F 7 | 11 52 49 | 29°25'58 | 17°48 | 10°48 | 13°32 | 3°13 | 12°39 | 4°20 | 6°24 | 1°10 | 24°32 | 27° 7 | 27° 2 | 9° 8 | n.a. | F 7 |
| S 8 | 11 56 46 | 0♈23'22 | 2♏10 | 12°34 | 14°29 | 3°58 | 12°53 | 4°19 | 6°24 | 1° 9 | 24°31 | 27° 7 | 26°59 | 9°15 | n.a. | S 8 |
| S 9 | 12 0 42 | 1°20'45 | 16°38 | 14°22 | 15°27 | 4°42 | 13° 6 | 4°19 | 6°24 | 1° 7 | 24°31 | 27° 7 | 26°56 | 9°22 | n.a. | S 9 |
| M10 | 12 4 39 | 2°18'08 | 1♐ 7 | 16°11 | 16°25 | 5°27 | 13°20 | 4°18 | 6°25 | 1° 5 | 24°31 | 27° 6 | 26°52 | 9°28 | n.a. | M10 |
| T 11 | 12 8 35 | 3°15'29 | 15°32 | 18° 3 | 17°23 | 6°11 | 13°34 | 4°17 | 6°25 | 1° 4 | 24°30 | 27° 6 | 26°49 | 9°35 | n.a. | T 11 |
| W12 | 12 12 32 | 4°12'50 | 29°49 | 19°58 | 18°22 | 6°56 | 13°48 | 4°16 | 6°26 | 1° 2 | 24°30 | 27°D 6 | 26°46 | 9°42 | n.a. | W12 |
| T 13 | 12 16 29 | 5°10'10 | 13♑56 | 21°54 | 19°21 | 7°40 | 14° 1 | 4°15 | 6°27 | 1° 0 | 24°30 | 27° 6 | 26°43 | 9°49 | n.a. | T 13 |
| F 14 | 12 20 25 | 6° 7'29 | 27°50 | 23°52 | 20°21 | 8°25 | 14°15 | 4°13 | 6°27 | 0°59 | 24°29 | 27° 6 | 26°40 | 9°55 | n.a. | F 14 |
| S 15 | 12 24 22 | 7° 4'48 | 11♒31 | 25°52 | 21°20 | 9° 9 | 14°29 | 4°12 | 6°28 | 0°57 | 24°29 | 27° 7 | 26°37 | 10° 2 | n.a. | S 15 |
| S 16 | 12 28 18 | 8° 2'06 | 24°59 | 27°54 | 22°21 | 9°53 | 14°42 | 4°11 | 6°29 | 0°56 | 24°29 | 27° 8 | 26°33 | 10° 9 | n.a. | S 16 |
| M17 | 12 32 15 | 8°59'22 | 8♓13 | 29°58 | 23°21 | 10°37 | 14°56 | 4° 9 | 6°30 | 0°54 | 24°29 | 27° 9 | 26°30 | 10°15 | n.a. | M17 |
| T 18 | 12 36 11 | 9°56'39 | 21°13 | 2♈ 4 | 24°22 | 11°22 | 15° 9 | 4° 7 | 6°31 | 0°52 | 24°29 | 27°R 9 | 26°27 | 10°22 | n.a. | T 18 |
| W19 | 12 40 8 | 10°53'54 | 4♈ 0 | 4°11 | 25°23 | 12° 6 | 15°23 | 4° 6 | 6°32 | 0°51 | 24°28 | 27° 9 | 26°24 | 10°29 | n.a. | W19 |
| T 20 | 12 44 4 | 11°51'08 | 16°34 | 6°19 | 26°24 | 12°50 | 15°36 | 4° 4 | 6°33 | 0°49 | 24°28 | 27° 8 | 26°21 | 10°36 | n.a. | T 20 |
| F 21 | 12 48 1 | 12°48'22 | 28°56 | 8°29 | 27°26 | 13°34 | 15°50 | 4° 2 | 6°34 | 0°48 | 24°28 | 27° 7 | 26°18 | 10°42 | n.a. | F 21 |
| S 22 | 12 51 58 | 13°45'34 | 11♉ 8 | 10°39 | 28°28 | 14°17 | 16° 3 | 4° 0 | 6°35 | 0°46 | 24°D28 | 27° 5 | 26°14 | 10°49 | n.a. | S 22 |
| S 23 | 12 55 54 | 14°42'46 | 23°11 | 12°50 | 29°30 | 15° 1 | 16°16 | 3°58 | 6°36 | 0°45 | 24°28 | 27° 2 | 26°11 | 10°56 | n.a. | S 23 |
| M24 | 12 59 51 | 15°39'57 | 5♊ 7 | 15° 1 | 0♓33 | 15°45 | 16°29 | 3°56 | 6°37 | 0°43 | 24°28 | 26°59 | 26° 8 | 11° 2 | n.a. | M24 |
| T 25 | 13 3 47 | 16°37'07 | 16°59 | 17°13 | 1°35 | 16°29 | 16°43 | 3°54 | 6°38 | 0°41 | 24°28 | 26°57 | 26° 5 | 11° 9 | n.a. | T 25 |
| W26 | 13 7 44 | 17°34'17 | 28°52 | 19°24 | 2°38 | 17°12 | 16°56 | 3°52 | 6°40 | 0°40 | 24°29 | 26°55 | 26° 2 | 11°16 | n.a. | W26 |
| T 27 | 13 11 40 | 18°31'25 | 10♋49 | 21°36 | 3°41 | 17°56 | 17° 9 | 3°49 | 6°41 | 0°38 | 24°29 | 26°54 | 25°58 | 11°23 | n.a. | T 27 |
| F 28 | 13 15 37 | 19°28'33 | 22°54 | 23°46 | 4°45 | 18°39 | 17°22 | 3°47 | 6°43 | 0°37 | 24°29 | 26°D54 | 25°55 | 11°29 | n.a. | F 28 |
| S 29 | 13 19 33 | 20°25'39 | 5♌12 | 25°55 | 5°48 | 19°23 | 17°35 | 3°44 | 6°44 | 0°35 | 24°29 | 26°54 | 25°52 | 11°36 | n.a. | S 29 |
| S 30 | 13 23 30 | 21♈22'45 | 17♌48 | 28♈ 4 | 6♓52 | 20♒ 6 | 17♓48 | 3♐42 | 6♋46 | 0♎34 | 24♋29 | 26♍56 | 25♍49 | 11♊43 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s33 | 16n39 | 4s35 | 13s46 | 2s37 | 18s 7 | 0n32 | 22s11 | 1s23 | 8s39 | 1s16 | 20s32 | 0n55 | 24n21 | 0n35 | 1n28 | 2n12 | 36n34 | 15n13 | 1n10 | 1n 4 | 17n21 | | n.a. |
| S 2 | 2 10 | 14 24 | 3 53 | 13 10 | 2 34 | 17 59 | 0 26 | 22 2 | 1 24 | 8 34 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 29 | 2 12 | 36 33 | 15 13 | 1 10 | 1 6 | 17 22 | | n.a. |
| M 3 | 1 47 | 11 23 | 2 59 | 12 32 | 2 31 | 17 50 | 0 20 | 21 53 | 1 24 | 8 28 | 1 16 | 20 32 | 0 55 | 24 21 | 0 35 | 1 30 | 2 12 | 36 33 | 15 12 | 1 10 | 1 7 | 17 23 | | n.a. |
| T 4 | 1 24 | 7 42 | 1 54 | 11 52 | 2 28 | 17 41 | 0 13 | 21 44 | 1 25 | 8 23 | 1 16 | 20 32 | 0 55 | 24 20 | 0 35 | 1 30 | 2 12 | 36 33 | 15 12 | 1 10 | 1 8 | 17 23 | | n.a. |
| W 5 | 1 0 | 3 32 | 0 41 | 11 11 | 2 24 | 17 31 | 0 7 | 21 34 | 1 26 | 8 18 | 1 16 | 20 32 | 0 55 | 24 20 | 0 35 | 1 31 | 2 12 | 36 33 | 15 11 | 1 10 | 1 10 | 17 24 | | n.a. |
| T 6 | 0 37 | 0s55 | 0n36 | 10 28 | 2 19 | 17 21 | 0 1 | 21 24 | 1 26 | 8 12 | 1 16 | 20 32 | 0 55 | 24 20 | 0 35 | 1 32 | 2 12 | 36 32 | 15 11 | 1 10 | 1 11 | 17 25 | | n.a. |
| F 7 | 0 14 | 5 24 | 1 52 | 9 43 | 2 14 | 17 10 | 0s 5 | 21 14 | 1 27 | 8 7 | 1 16 | 20 32 | 0 55 | 24 20 | 0 35 | 1 32 | 2 12 | 36 32 | 15 11 | 1 10 | 1 12 | 17 26 | | n.a. |
| S 8 | 0n 9 | 9 37 | 3 2 | 8 56 | 2 8 | 16 59 | 0 10 | 21 4 | 1 28 | 8 1 | 1 16 | 20 32 | 0 55 | 24 20 | 0 35 | 1 33 | 2 12 | 36 32 | 15 10 | 1 10 | 1 13 | 17 26 | | n.a. |
| S 9 | 0 33 | 13 18 | 4 1 | 8 8 | 2 1 | 16 47 | 0 16 | 20 54 | 1 28 | 7 56 | 1 16 | 20 32 | 0 55 | 24 20 | 0 35 | 1 33 | 2 12 | 36 32 | 15 10 | 1 10 | 1 15 | 17 27 | | n.a. |
| M10 | 0 56 | 16 9 | 4 45 | 7 18 | 1 55 | 16 34 | 0 21 | 20 43 | 1 29 | 7 51 | 1 16 | 20 32 | 0 55 | 24 20 | 0 35 | 1 34 | 2 12 | 36 31 | 15 10 | 1 10 | 1 16 | 17 28 | | n.a. |
| T 11 | 1 19 | 17 58 | 5 11 | 6 27 | 1 47 | 16 21 | 0 27 | 20 33 | 1 30 | 7 45 | 1 16 | 20 31 | 0 55 | 24 20 | 0 35 | 1 35 | 2 12 | 36 31 | 15 9 | 1 11 | 1 17 | 17 28 | | n.a. |
| W12 | 1 42 | 18 39 | 5 17 | 5 34 | 1 39 | 16 8 | 0 32 | 20 22 | 1 30 | 7 40 | 1 16 | 20 31 | 0 55 | 24 20 | 0 35 | 1 35 | 2 12 | 36 31 | 15 9 | 1 11 | 1 19 | 17 29 | | n.a. |
| T 13 | 2 6 | 18 9 | 5 3 | 4 40 | 1 31 | 15 54 | 0 37 | 20 11 | 1 31 | 7 35 | 1 16 | 20 31 | 0 55 | 24 20 | 0 35 | 1 36 | 2 12 | 36 30 | 15 8 | 1 11 | 1 20 | 17 30 | | n.a. |
| F 14 | 2 29 | 16 34 | 4 33 | 3 44 | 1 22 | 15 39 | 0 42 | 20 0 | 1 32 | 7 29 | 1 16 | 20 31 | 0 55 | 24 20 | 0 34 | 1 37 | 2 12 | 36 30 | 15 8 | 1 10 | 1 21 | 17 31 | | n.a. |
| S 15 | 2 52 | 14 3 | 3 47 | 2 47 | 1 13 | 15 24 | 0 46 | 19 48 | 1 32 | 7 24 | 1 16 | 20 30 | 0 55 | 24 20 | 0 34 | 1 37 | 2 12 | 36 30 | 15 8 | 1 10 | 1 22 | 17 31 | | n.a. |
| S 16 | 3 15 | 10 48 | 2 49 | 1 49 | 1 4 | 15 9 | 0 51 | 19 37 | 1 33 | 7 19 | 1 16 | 20 30 | 0 55 | 24 20 | 0 34 | 1 38 | 2 12 | 36 29 | 15 7 | 1 10 | 1 24 | 17 32 | | n.a. |
| M17 | 3 38 | 7 4 | 1 43 | 0 50 | 0 54 | 14 53 | 0 55 | 19 25 | 1 33 | 7 13 | 1 16 | 20 30 | 0 55 | 24 20 | 0 34 | 1 39 | 2 12 | 36 29 | 15 7 | 1 9 | 1 25 | 17 33 | | n.a. |
| T 18 | 4 1 | 3 3 | 0 33 | 0n10 | 0 44 | 14 36 | 1 0 | 19 13 | 1 34 | 7 8 | 1 17 | 20 30 | 0 55 | 24 20 | 0 34 | 1 39 | 2 12 | 36 29 | 15 6 | 1 9 | 1 26 | 17 34 | | n.a. |
| W19 | 4 24 | 1n 3 | 0s38 | 1 11 | 0 33 | 14 19 | 1 4 | 19 1 | 1 35 | 7 3 | 1 17 | 20 29 | 0 55 | 24 20 | 0 34 | 1 40 | 2 12 | 36 28 | 15 6 | 1 9 | 1 28 | 17 34 | | n.a. |
| T 20 | 4 47 | 5 1 | 1 45 | 2 13 | 0 23 | 14 2 | 1 8 | 18 49 | 1 35 | 6 58 | 1 17 | 20 29 | 0 55 | 24 20 | 0 34 | 1 41 | 2 12 | 36 28 | 15 6 | 1 10 | 1 29 | 17 35 | | n.a. |
| F 21 | 5 9 | 8 43 | 2 47 | 3 14 | 0 12 | 13 44 | 1 12 | 18 37 | 1 36 | 6 52 | 1 17 | 20 29 | 0 55 | 24 20 | 0 34 | 1 41 | 2 12 | 36 27 | 15 5 | 1 10 | 1 30 | 17 36 | | n.a. |
| S 22 | 5 32 | 12 0 | 3 40 | 4 16 | 0 2 | 13 25 | 1 16 | 18 24 | 1 36 | 6 47 | 1 17 | 20 28 | 0 55 | 24 19 | 0 34 | 1 42 | 2 12 | 36 27 | 15 5 | 1 11 | 1 31 | 17 36 | | n.a. |
| S 23 | 5 55 | 14 43 | 4 22 | 5 18 | 0n 9 | 13 7 | 1 20 | 18 12 | 1 37 | 6 42 | 1 17 | 20 28 | 0 55 | 24 19 | 0 34 | 1 42 | 2 12 | 36 27 | 15 4 | 1 12 | 1 33 | 17 37 | | n.a. |
| M24 | 6 17 | 16 47 | 4 52 | 6 20 | 0 19 | 12 48 | 1 23 | 17 59 | 1 37 | 6 37 | 1 17 | 20 28 | 0 55 | 24 19 | 0 34 | 1 43 | 2 12 | 36 26 | 15 4 | 1 13 | 1 34 | 17 38 | | n.a. |
| T 25 | 6 40 | 18 8 | 5 10 | 7 21 | 0 30 | 12 28 | 1 27 | 17 46 | 1 38 | 6 32 | 1 17 | 20 27 | 0 55 | 24 19 | 0 34 | 1 44 | 2 12 | 36 26 | 15 4 | 1 14 | 1 35 | 17 38 | | n.a. |
| W26 | 7 2 | 18 40 | 5 15 | 8 21 | 0 40 | 12 8 | 1 30 | 17 33 | 1 38 | 6 26 | 1 17 | 20 27 | 0 55 | 24 19 | 0 34 | 1 44 | 2 12 | 36 25 | 15 3 | 1 15 | 1 37 | 17 39 | | n.a. |
| T 27 | 7 24 | 18 24 | 5 6 | 9 20 | 0 49 | 11 48 | 1 33 | 17 20 | 1 39 | 6 21 | 1 17 | 20 26 | 0 55 | 24 19 | 0 34 | 1 45 | 2 12 | 36 25 | 15 3 | 1 16 | 1 38 | 17 40 | | n.a. |
| F 28 | 7 46 | 17 17 | 4 43 | 10 19 | 0 59 | 11 27 | 1 36 | 17 6 | 1 39 | 6 16 | 1 17 | 20 26 | 0 55 | 24 19 | 0 34 | 1 45 | 2 12 | 36 25 | 15 2 | 1 16 | 1 39 | 17 41 | | n.a. |
| S 29 | 8 8 | 15 21 | 4 7 | 11 15 | 1 7 | 11 6 | 1 39 | 16 53 | 1 40 | 6 11 | 1 17 | 20 25 | 0 55 | 24 19 | 0 34 | 1 46 | 2 12 | 36 24 | 15 2 | 1 15 | 1 40 | 17 41 | | n.a. |
| S 30 | 8n30 | 12n39 | 3s19 | 12n10 | 1n16 | 10s44 | 1s42 | 16s40 | 1s40 | 6s 6 | 1s17 | 20s25 | 0n55 | 24n19 | 0n34 | 1n47 | 2n12 | 36n24 | 15n 1 | 1n15 | 1n42 | 17n42 | | n.a. |

Julian Day Number = 995761.5, Delta T = 12h57m06s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'53, Lahiri = -31°20'52 Julian Calendar 1 Apr. 1987 BCE == Greg. Calendar 15 March 1987 BCE


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## MAY 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 27 27 | 22♈19'50 | 0♍46 | 0♉11 | 7♓56 | 20♒49 | 18♓ 1 | 3°R39 | 6♋47 | 0°R32 | 24♋29 | 26♍57 | 25♍46 | 11♊49 | n.a. | M 1 |
| T 2 | 13 31 23 | 23°16'54 | 14° 7 | 2°16 | 9° 0 | 21°32 | 18°13 | 3♐36 | 6°49 | 0♎31 | 24°30 | 26°58 | 25°43 | 11°56 | n.a. | T 2 |
| W 3 | 13 35 20 | 24°13'58 | 27°54 | 4°20 | 10° 5 | 22°15 | 18°26 | 3°33 | 6°50 | 0°29 | 24°30 | 26°R59 | 25°39 | 12° 3 | n.a. | W 3 |
| T 4 | 13 39 16 | 25°11'01 | 12♎ 5 | 6°22 | 11° 9 | 22°58 | 18°39 | 3°30 | 6°52 | 0°28 | 24°30 | 26°58 | 25°36 | 12°10 | n.a. | T 4 |
| F 5 | 13 43 13 | 26° 8'04 | 26°37 | 8°22 | 12°14 | 23°41 | 18°52 | 3°27 | 6°54 | 0°27 | 24°31 | 26°56 | 25°33 | 12°16 | n.a. | F 5 |
| S 6 | 13 47 9 | 27° 5'06 | 11♏24 | 10°20 | 13°19 | 24°24 | 19° 4 | 3°24 | 6°56 | 0°25 | 24°31 | 26°53 | 25°30 | 12°23 | n.a. | S 6 |
| S 7 | 13 51 6 | 28° 2'08 | 26°19 | 12°16 | 14°24 | 25° 7 | 19°17 | 3°21 | 6°57 | 0°24 | 24°32 | 26°49 | 25°27 | 12°30 | n.a. | S 7 |
| M 8 | 13 55 3 | 28°59'10 | 11♐12 | 14°10 | 15°30 | 25°50 | 19°29 | 3°18 | 6°59 | 0°22 | 24°32 | 26°44 | 25°23 | 12°37 | n.a. | M 8 |
| T 9 | 13 58 59 | 29°56'13 | 25°57 | 16° 2 | 16°35 | 26°32 | 19°42 | 3°15 | 7° 1 | 0°21 | 24°33 | 26°40 | 25°20 | 12°43 | n.a. | T 9 |
| W10 | 14 2 56 | 0♑53'15 | 10♑26 | 17°52 | 17°41 | 27°15 | 19°54 | 3°11 | 7° 3 | 0°20 | 24°33 | 26°38 | 25°17 | 12°50 | n.a. | W10 |
| T 11 | 14 6 52 | 1°50'17 | 24°37 | 19°39 | 18°47 | 27°57 | 20° 6 | 3° 8 | 7° 5 | 0°18 | 24°34 | 26°36 | 25°14 | 12°57 | n.a. | T 11 |
| F 12 | 14 10 49 | 2°47'20 | 8♒27 | 21°25 | 19°53 | 28°40 | 20°18 | 3° 4 | 7° 7 | 0°17 | 24°34 | 26°D36 | 25°11 | 13° 3 | n.a. | F 12 |
| S 13 | 14 14 45 | 3°44'23 | 21°57 | 23° 8 | 20°59 | 29°22 | 20°30 | 3° 1 | 7°10 | 0°16 | 24°35 | 26°37 | 25° 8 | 13°10 | n.a. | S 13 |
| S 14 | 14 18 42 | 4°41'25 | 5♓ 9 | 24°49 | 22° 5 | 0♓ 4 | 20°42 | 2°57 | 7°12 | 0°14 | 24°36 | 26°38 | 25° 4 | 13°17 | n.a. | S 14 |
| M15 | 14 22 38 | 5°38'29 | 18° 3 | 26°27 | 23°12 | 0°47 | 20°54 | 2°54 | 7°14 | 0°13 | 24°36 | 26°40 | 25° 1 | 13°24 | n.a. | M15 |
| T 16 | 14 26 35 | 6°35'32 | 0♈44 | 28° 4 | 24°18 | 1°29 | 21° 6 | 2°50 | 7°16 | 0°12 | 24°37 | 26°R40 | 24°58 | 13°30 | n.a. | T 16 |
| W17 | 14 30 32 | 7°32'35 | 13°12 | 29°38 | 25°25 | 2°11 | 21°18 | 2°46 | 7°18 | 0°11 | 24°38 | 26°38 | 24°55 | 13°37 | n.a. | W17 |
| T 18 | 14 34 28 | 8°29'39 | 25°31 | 1♊10 | 26°32 | 2°52 | 21°30 | 2°42 | 7°21 | 0°10 | 24°39 | 26°35 | 24°52 | 13°44 | n.a. | T 18 |
| F 19 | 14 38 25 | 9°26'43 | 7♉41 | 2°39 | 27°39 | 3°34 | 21°41 | 2°39 | 7°23 | 0° 8 | 24°39 | 26°30 | 24°49 | 13°50 | n.a. | F 19 |
| S 20 | 14 42 21 | 10°23'47 | 19°44 | 4° 7 | 28°46 | 4°16 | 21°53 | 2°35 | 7°26 | 0° 7 | 24°40 | 26°23 | 24°45 | 13°57 | n.a. | S 20 |
| S 21 | 14 46 18 | 11°20'51 | 1♊41 | 5°32 | 29°54 | 4°57 | 22° 4 | 2°31 | 7°28 | 0° 6 | 24°41 | 26°15 | 24°42 | 14° 4 | n.a. | S 21 |
| M22 | 14 50 14 | 12°17'56 | 13°34 | 6°54 | 1♈ 1 | 5°39 | 22°16 | 2°27 | 7°30 | 0° 5 | 24°42 | 26° 6 | 24°39 | 14°11 | n.a. | M22 |
| T 23 | 14 54 11 | 13°15'01 | 25°26 | 8°14 | 2° 9 | 6°20 | 22°27 | 2°23 | 7°33 | 0° 4 | 24°43 | 25°58 | 24°36 | 14°17 | n.a. | T 23 |
| W24 | 14 58 8 | 14°12'05 | 7♋18 | 9°32 | 3°16 | 7° 1 | 22°38 | 2°19 | 7°36 | 0° 3 | 24°44 | 25°51 | 24°33 | 14°24 | n.a. | W24 |
| T 25 | 15 2 4 | 15° 9'10 | 19°14 | 10°48 | 4°24 | 7°43 | 22°50 | 2°14 | 7°38 | 0° 2 | 24°45 | 25°46 | 24°29 | 14°31 | n.a. | T 25 |
| F 26 | 15 6 1 | 16° 6'15 | 1♌17 | 12° 0 | 5°32 | 8°24 | 23° 1 | 2°10 | 7°41 | 0° 1 | 24°46 | 25°43 | 24°26 | 14°38 | n.a. | F 26 |
| S 27 | 15 9 57 | 17° 3'20 | 13°33 | 13°11 | 6°40 | 9° 5 | 23°12 | 2° 6 | 7°44 | 29♍59 | 24°47 | 25°D42 | 24°23 | 14°44 | n.a. | S 27 |
| S 28 | 15 13 54 | 18° 0'25 | 26° 5 | 14°18 | 7°48 | 9°45 | 23°22 | 2° 2 | 7°46 | 29°59 | 24°48 | 25°42 | 24°20 | 14°51 | n.a. | S 28 |
| M29 | 15 17 50 | 18°57'31 | 8♍58 | 15°23 | 8°56 | 10°26 | 23°33 | 1°58 | 7°49 | 29°58 | 24°49 | 25°43 | 24°17 | 14°58 | n.a. | M29 |
| T 30 | 15 21 47 | 19°54'36 | 22°17 | 16°25 | 10° 5 | 11° 7 | 23°44 | 1°53 | 7°52 | 29°57 | 24°50 | 25°R44 | 24°14 | 15° 4 | n.a. | T 30 |
| W31 | 15 25 43 | 20♑51'42 | 6♎ 3 | 17♊24 | 11♈13 | 11♓47 | 23♓54 | 1♐49 | 7♋55 | 29♍56 | 24♋51 | 25♍43 | 24♍10 | 15♊11 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 8n52 | 9n16 | 2s19 | 13n 4 | 1n24 | 10s22 | 1s44 | 16s26 | 1s41 | 6s 1 | 1s17 | 20s24 | 0n55 | 24n19 | 0n34 | 1n47 | 2n12 | 36n23 | 15n 1 | 1n14 | 1n43 | 17n43 | | | n.a. |
| T 2 | 9 13 | 5 18 | 1 10 | 13 55 | 1 31 | 10 0 | 1 47 | 16 12 | 1 41 | 5 56 | 1 18 | 20 24 | 0 55 | 24 18 | 0 34 | 1 48 | 2 12 | 36 23 | 15 1 | 1 14 | 1 44 | 17 43 | | | n.a. |
| W 3 | 9 35 | 0 56 | 0n 5 | 14 45 | 1 37 | 9 37 | 1 49 | 15 58 | 1 42 | 5 51 | 1 18 | 20 23 | 0 55 | 24 18 | 0 34 | 1 48 | 2 12 | 36 22 | 15 0 | 1 13 | 1 46 | 17 44 | | | n.a. |
| T 4 | 9 56 | 3s37 | 1 22 | 15 32 | 1 43 | 9 15 | 1 52 | 15 44 | 1 42 | 5 46 | 1 18 | 20 23 | 0 55 | 24 18 | 0 34 | 1 49 | 2 12 | 36 22 | 15 0 | 1 14 | 1 47 | 17 45 | | | n.a. |
| F 5 | 10 17 | 8 4 | 2 35 | 16 17 | 1 49 | 8 51 | 1 54 | 15 30 | 1 43 | 5 41 | 1 18 | 20 22 | 0 55 | 24 18 | 0 34 | 1 49 | 2 12 | 36 21 | 14 59 | 1 15 | 1 48 | 17 45 | | | n.a. |
| S 6 | 10 38 | 12 5 | 3 39 | 17 0 | 1 53 | 8 28 | 1 56 | 15 16 | 1 43 | 5 36 | 1 18 | 20 22 | 0 55 | 24 18 | 0 34 | 1 50 | 2 11 | 36 21 | 14 59 | 1 16 | 1 49 | 17 46 | | | n.a. |
| S 7 | 10 59 | 15 21 | 4 29 | 17 41 | 1 57 | 8 4 | 1 58 | 15 2 | 1 44 | 5 31 | 1 18 | 20 21 | 0 55 | 24 18 | 0 34 | 1 51 | 2 11 | 36 20 | 14 59 | 1 18 | 1 51 | 17 47 | | | n.a. |
| M 8 | 11 20 | 17 37 | 5 1 | 18 20 | 2 1 | 7 40 | 2 0 | 14 48 | 1 44 | 5 26 | 1 18 | 20 20 | 0 55 | 24 18 | 0 34 | 1 51 | 2 11 | 36 20 | 14 58 | 1 19 | 1 52 | 17 47 | | | n.a. |
| T 9 | 11 40 | 18 40 | 5 12 | 18 56 | 2 3 | 7 15 | 2 2 | 14 33 | 1 45 | 5 21 | 1 18 | 20 20 | 0 55 | 24 18 | 0 34 | 1 52 | 2 11 | 36 19 | 14 58 | 1 21 | 1 53 | 17 48 | | | n.a. |
| W10 | 12 1 | 18 28 | 5 3 | 19 30 | 2 5 | 6 51 | 2 3 | 14 19 | 1 45 | 5 17 | 1 18 | 20 19 | 0 55 | 24 18 | 0 34 | 1 52 | 2 11 | 36 19 | 14 57 | 1 22 | 1 55 | 17 49 | | | n.a. |
| T 11 | 12 21 | 17 7 | 4 36 | 20 2 | 2 7 | 6 26 | 2 5 | 14 4 | 1 45 | 5 12 | 1 19 | 20 19 | 0 55 | 24 17 | 0 34 | 1 53 | 2 11 | 36 18 | 14 57 | 1 23 | 1 56 | 17 49 | | | n.a. |
| F 12 | 12 41 | 14 46 | 3 53 | 20 31 | 2 7 | 6 1 | 2 6 | 13 49 | 1 46 | 5 7 | 1 19 | 20 18 | 0 55 | 24 17 | 0 34 | 1 53 | 2 11 | 36 18 | 14 57 | 1 23 | 1 57 | 17 50 | | | n.a. |
| S 13 | 13 1 | 11 40 | 2 58 | 20 58 | 2 7 | 5 35 | 2 7 | 13 35 | 1 46 | 5 2 | 1 19 | 20 17 | 0 55 | 24 17 | 0 34 | 1 54 | 2 11 | 36 17 | 14 56 | 1 22 | 1 58 | 17 50 | | | n.a. |
| S 14 | 13 21 | 8 3 | 1 54 | 21 24 | 2 6 | 5 9 | 2 8 | 13 20 | 1 47 | 4 57 | 1 19 | 20 17 | 0 55 | 24 17 | 0 34 | 1 54 | 2 11 | 36 17 | 14 56 | 1 22 | 2 0 | 17 51 | | | n.a. |
| M15 | 13 40 | 4 6 | 0 47 | 21 47 | 2 5 | 4 44 | 2 9 | 13 5 | 1 47 | 4 53 | 1 19 | 20 16 | 0 55 | 24 17 | 0 34 | 1 55 | 2 11 | 36 16 | 14 55 | 1 21 | 2 1 | 17 52 | | | n.a. |
| T 16 | 13 59 | 0 2 | 0s22 | 22 7 | 2 3 | 4 18 | 2 10 | 12 50 | 1 47 | 4 48 | 1 19 | 20 15 | 0 55 | 24 17 | 0 34 | 1 55 | 2 11 | 36 16 | 14 55 | 1 21 | 2 2 | 17 52 | | | n.a. |
| W17 | 14 18 | 3n58 | 1 29 | 22 26 | 2 1 | 3 51 | 2 11 | 12 35 | 1 48 | 4 44 | 1 19 | 20 15 | 0 54 | 24 17 | 0 34 | 1 55 | 2 11 | 36 15 | 14 54 | 1 22 | 2 4 | 17 53 | | | n.a. |
| T 18 | 14 37 | 7 44 | 2 30 | 22 43 | 1 57 | 3 25 | 2 12 | 12 20 | 1 48 | 4 39 | 1 19 | 20 14 | 0 54 | 24 16 | 0 34 | 1 56 | 2 11 | 36 15 | 14 54 | 1 23 | 2 5 | 17 54 | | | n.a. |
| F 19 | 14 56 | 11 9 | 3 24 | 22 58 | 1 53 | 2 58 | 2 12 | 12 5 | 1 48 | 4 34 | 1 19 | 20 13 | 0 54 | 24 16 | 0 34 | 1 56 | 2 11 | 36 14 | 14 54 | 1 25 | 2 6 | 17 54 | | | n.a. |
| S 20 | 15 14 | 14 3 | 4 7 | 23 11 | 1 49 | 2 31 | 2 13 | 11 49 | 1 49 | 4 30 | 1 20 | 20 12 | 0 54 | 24 16 | 0 34 | 1 57 | 2 11 | 36 13 | 14 53 | 1 28 | 2 7 | 17 55 | | | n.a. |
| S 21 | 15 32 | 16 21 | 4 40 | 23 22 | 1 44 | 2 4 | 2 13 | 11 34 | 1 49 | 4 25 | 1 20 | 20 12 | 0 54 | 24 16 | 0 34 | 1 57 | 2 11 | 36 13 | 14 53 | 1 31 | 2 9 | 17 56 | | | n.a. |
| M22 | 15 50 | 17 55 | 5 0 | 23 31 | 1 38 | 1 37 | 2 14 | 11 19 | 1 49 | 4 21 | 1 20 | 20 11 | 0 54 | 24 16 | 0 34 | 1 58 | 2 11 | 36 12 | 14 53 | 1 35 | 2 10 | 17 56 | | | n.a. |
| T 23 | 16 8 | 18 43 | 5 7 | 23 38 | 1 32 | 1 10 | 2 14 | 11 4 | 1 50 | 4 16 | 1 20 | 20 10 | 0 54 | 24 16 | 0 34 | 1 58 | 2 11 | 36 12 | 14 52 | 1 38 | 2 11 | 17 57 | | | n.a. |
| W24 | 16 25 | 18 42 | 5 1 | 23 44 | 1 26 | 0 43 | 2 14 | 10 48 | 1 50 | 4 12 | 1 20 | 20 9 | 0 54 | 24 15 | 0 34 | 1 58 | 2 11 | 36 11 | 14 52 | 1 41 | 2 13 | 17 57 | | | n.a. |
| T 25 | 16 42 | 17 51 | 4 42 | 23 48 | 1 18 | 0 15 | 2 14 | 10 33 | 1 50 | 4 8 | 1 20 | 20 9 | 0 54 | 24 15 | 0 34 | 1 59 | 2 11 | 36 11 | 14 51 | 1 43 | 2 14 | 17 58 | | | n.a. |
| F 26 | 16 59 | 16 12 | 4 10 | 23 51 | 1 11 | 0n12 | 2 14 | 10 17 | 1 51 | 4 3 | 1 20 | 20 8 | 0 54 | 24 15 | 0 34 | 1 59 | 2 11 | 36 10 | 14 51 | 1 44 | 2 15 | 17 59 | | | n.a. |
| S 27 | 17 16 | 13 47 | 3 27 | 23 52 | 1 2 | 0 40 | 2 13 | 10 2 | 1 51 | 3 59 | 1 21 | 20 7 | 0 54 | 24 15 | 0 34 | 1 59 | 2 11 | 36 10 | 14 51 | 1 45 | 2 16 | 17 59 | | | n.a. |
| S 28 | 17 32 | 10 41 | 2 32 | 23 52 | 0 53 | 1 7 | 2 13 | 9 47 | 1 51 | 3 55 | 1 21 | 20 6 | 0 54 | 24 15 | 0 34 | 2 0 | 2 10 | 36 9 | 14 50 | 1 45 | 2 18 | 18 0 | | | n.a. |
| M29 | 17 48 | 7 0 | 1 29 | 23 50 | 0 44 | 1 35 | 2 13 | 9 31 | 1 52 | 3 51 | 1 21 | 20 5 | 0 54 | 24 15 | 0 34 | 2 0 | 2 10 | 36 8 | 14 50 | 1 44 | 2 19 | 18 0 | | | n.a. |
| T 30 | 18 4 | 2 50 | 0 19 | 23 47 | 0 34 | 2 3 | 2 12 | 9 15 | 1 52 | 3 46 | 1 21 | 20 5 | 0 54 | 24 14 | 0 34 | 2 0 | 2 10 | 36 8 | 14 50 | 1 44 | 2 20 | 18 1 | | | n.a. |
| W31 | 18n20 | 1s37 | 0n55 | 23n42 | 0n24 | 2n31 | 2s12 | 9s 0 | 1s52 | 3s42 | 1s21 | 20s 4 | 0n54 | 24n14 | 0n34 | 2n 1 | 2n10 | 36n 7 | 14n49 | 1n44 | 2n22 | 18n 2 | | | n.a. |

Julian Day Number = 995791.5, Delta T = 12h57m04s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'48, Lahiri = -31°20'48 Julian Calendar 1 May 1987 BCE == Greg. Calendar 14 Apr. 1987 BCE

The year -1986 astronomical counting style corresponds to year 1987 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## JUNE 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 29 40 | 21♉48'48 | 20♎18 | 18♊19 | 12♈22 | 12♓28 | 24♓ 5 | 1°R45 | 7♋58 | 29°R55 | 24♋53 | 25°R41 | 24♍ 7 | 15♊18 | n.a. | T 1 |
| F 2 | 15 33 37 | 22°45'55 | 4♏58 | 19°12 | 13°30 | 13° 8 | 24°15 | 1♐40 | 8° 0 | 29♍54 | 24°54 | 25♍36 | 24° 4 | 15°25 | n.a. | F 2 |
| S 3 | 15 37 33 | 23°43'02 | 19°59 | 20° 1 | 14°39 | 13°48 | 24°25 | 1°36 | 8° 3 | 29°54 | 24°55 | 25°30 | 24° 1 | 15°31 | n.a. | S 3 |
| S 4 | 15 41 30 | 24°40'10 | 5♐12 | 20°47 | 15°48 | 14°28 | 24°36 | 1°32 | 8° 6 | 29°53 | 24°56 | 25°22 | 23°58 | 15°38 | n.a. | S 4 |
| M 5 | 15 45 26 | 25°37'19 | 20°26 | 21°30 | 16°57 | 15° 8 | 24°46 | 1°27 | 8° 9 | 29°52 | 24°58 | 25°13 | 23°55 | 15°45 | n.a. | M 5 |
| T 6 | 15 49 23 | 26°34'29 | 5♑30 | 22° 8 | 18° 6 | 15°48 | 24°56 | 1°23 | 8°12 | 29°51 | 24°59 | 25° 5 | 23°51 | 15°51 | n.a. | T 6 |
| W 7 | 15 53 19 | 27°31'39 | 20°15 | 22°43 | 19°16 | 16°28 | 25° 5 | 1°18 | 8°15 | 29°51 | 25° 0 | 24°58 | 23°48 | 15°58 | n.a. | W 7 |
| T 8 | 15 57 16 | 28°28'51 | 4♒37 | 23°13 | 20°25 | 17° 7 | 25°15 | 1°14 | 8°18 | 29°50 | 25° 2 | 24°54 | 23°45 | 16° 5 | n.a. | T 8 |
| F 9 | 16 1 13 | 29°26'03 | 18°32 | 23°40 | 21°34 | 17°47 | 25°25 | 1° 9 | 8°22 | 29°49 | 25° 3 | 24°52 | 23°42 | 16°12 | n.a. | F 9 |
| S 10 | 16 5 9 | 0♊23'17 | 2♓ 0 | 24° 2 | 22°44 | 18°26 | 25°34 | 1° 5 | 8°25 | 29°49 | 25° 4 | 24°D51 | 23°39 | 16°18 | n.a. | S 10 |
| S 11 | 16 9 6 | 1°20'32 | 15° 5 | 24°19 | 23°53 | 19° 6 | 25°44 | 1° 1 | 8°28 | 29°48 | 25° 6 | 24°52 | 23°35 | 16°25 | n.a. | S 11 |
| M12 | 16 13 2 | 2°17'48 | 27°50 | 24°32 | 25° 3 | 19°45 | 25°53 | 0°56 | 8°31 | 29°48 | 25° 7 | 24°R52 | 23°32 | 16°32 | n.a. | M12 |
| T 13 | 16 16 59 | 3°15'06 | 10♈19 | 24°40 | 26°13 | 20°24 | 26° 2 | 0°52 | 8°34 | 29°47 | 25° 9 | 24°51 | 23°29 | 16°39 | n.a. | T 13 |
| W14 | 16 20 55 | 4°12'24 | 22°35 | 24°R43 | 27°23 | 21° 3 | 26°11 | 0°47 | 8°38 | 29°47 | 25°10 | 24°47 | 23°26 | 16°45 | n.a. | W14 |
| T 15 | 16 24 52 | 5° 9'44 | 4♉42 | 24°41 | 28°33 | 21°41 | 26°20 | 0°43 | 8°41 | 29°46 | 25°12 | 24°42 | 23°23 | 16°52 | n.a. | T 15 |
| F 16 | 16 28 48 | 6° 7'05 | 16°42 | 24°33 | 29°43 | 22°20 | 26°29 | 0°38 | 8°44 | 29°46 | 25°13 | 24°33 | 23°20 | 16°59 | n.a. | F 16 |
| S 17 | 16 32 45 | 7° 4'28 | 28°38 | 24°21 | 0♉53 | 22°58 | 26°37 | 0°34 | 8°48 | 29°45 | 25°15 | 24°22 | 23°16 | 17° 5 | n.a. | S 17 |
| S 18 | 16 36 42 | 8° 1'51 | 10♊31 | 24° 3 | 2° 3 | 23°37 | 26°46 | 0°29 | 8°51 | 29°45 | 25°17 | 24° 9 | 23°13 | 17°12 | n.a. | S 18 |
| M19 | 16 40 38 | 8°59'16 | 22°23 | 23°41 | 3°14 | 24°15 | 26°54 | 0°25 | 8°54 | 29°45 | 25°18 | 23°56 | 23°10 | 17°19 | n.a. | M19 |
| T 20 | 16 44 35 | 9°56'41 | 4♋15 | 23°13 | 4°24 | 24°53 | 27° 3 | 0°21 | 8°58 | 29°44 | 25°20 | 23°43 | 23° 7 | 17°26 | n.a. | T 20 |
| W21 | 16 48 31 | 10°54'08 | 16° 9 | 22°41 | 5°35 | 25°31 | 27°11 | 0°16 | 9° 1 | 29°44 | 25°22 | 23°32 | 23° 4 | 17°32 | n.a. | W21 |
| T 22 | 16 52 28 | 11°51'36 | 28° 7 | 22° 5 | 6°45 | 26° 8 | 27°19 | 0°12 | 9° 5 | 29°44 | 25°23 | 23°23 | 23° 1 | 17°39 | n.a. | T 22 |
| F 23 | 16 56 24 | 12°49'05 | 10♌12 | 21°25 | 7°56 | 26°46 | 27°27 | 0° 8 | 9° 8 | 29°44 | 25°25 | 23°16 | 22°57 | 17°46 | n.a. | F 23 |
| S 24 | 17 0 21 | 13°46'35 | 22°27 | 20°42 | 9° 7 | 27°23 | 27°34 | 0° 4 | 9°12 | 29°43 | 25°27 | 23°13 | 22°54 | 17°53 | n.a. | S 24 |
| S 25 | 17 4 18 | 14°44'06 | 4♍57 | 19°56 | 10°18 | 28° 0 | 27°42 | 29♏59 | 9°15 | 29°43 | 25°28 | 23°11 | 22°51 | 17°59 | n.a. | S 25 |
| M26 | 17 8 14 | 15°41'38 | 17°47 | 19° 9 | 11°28 | 28°37 | 27°49 | 29°55 | 9°19 | 29°43 | 25°30 | 23°11 | 22°48 | 18° 6 | n.a. | M26 |
| T 27 | 17 12 11 | 16°39'11 | 0♎59 | 18°20 | 12°39 | 29°14 | 27°57 | 29°51 | 9°22 | 29°43 | 25°32 | 23°11 | 22°45 | 18°13 | n.a. | T 27 |
| W28 | 17 16 7 | 17°36'46 | 14°38 | 17°31 | 13°50 | 29°51 | 28° 4 | 29°47 | 9°26 | 29°43 | 25°34 | 23°10 | 22°41 | 18°19 | n.a. | W28 |
| T 29 | 17 20 4 | 18°34'21 | 28°46 | 16°44 | 15° 2 | 0♈28 | 28°11 | 29°43 | 9°29 | 29°D43 | 25°36 | 23° 6 | 22°38 | 18°26 | n.a. | T 29 |
| F 30 | 17 24 0 | 19♊31'58 | 13♏22 | 15♊58 | 16♉13 | 1♈ 4 | 28♓18 | 29♏39 | 9♋33 | 29♍43 | 25♋37 | 23♍ 1 | 22♍35 | 18♊33 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n35 | 6s 7 | 2n 8 | 23n37 | 0n13 | 2n59 | 2s11 | 8s44 | 1s52 | 3s38 | 1s21 | 20s 3 | 0n54 | 24n14 | 0n34 | 2n 1 | 2n10 | 36n 7 | 14n49 | 1n45 | 2n23 | 18n 2 | | n.a. |
| F 2 | 18 50 | 10 24 | 3 14 | 23 30 | 0 2 | 3 27 | 2 10 | 8 29 | 1 52 | 3 34 | 1 22 | 20 2 | 0 54 | 24 14 | 0 34 | 2 1 | 2 10 | 36 6 | 14 48 | 1 47 | 2 24 | 18 3 | | n.a. |
| S 3 | 19 5 | 14 7 | 4 8 | 23 23 | 0s10 | 3 54 | 2 9 | 8 13 | 1 53 | 3 30 | 1 22 | 20 1 | 0 53 | 24 14 | 0 33 | 2 2 | 2 10 | 36 5 | 14 48 | 1 49 | 2 25 | 18 3 | | n.a. |
| S 4 | 19 19 | 16 55 | 4 46 | 23 14 | 0 22 | 4 22 | 2 8 | 7 58 | 1 53 | 3 26 | 1 22 | 20 1 | 0 53 | 24 13 | 0 33 | 2 2 | 2 10 | 36 5 | 14 48 | 1 53 | 2 27 | 18 4 | | n.a. |
| M 5 | 19 33 | 18 32 | 5 3 | 23 5 | 0 34 | 4 50 | 2 7 | 7 42 | 1 53 | 3 22 | 1 22 | 20 0 | 0 53 | 24 13 | 0 33 | 2 2 | 2 10 | 36 4 | 14 47 | 1 56 | 2 28 | 18 5 | | n.a. |
| T 6 | 19 47 | 18 49 | 4 59 | 22 54 | 0 47 | 5 18 | 2 6 | 7 26 | 1 53 | 3 19 | 1 22 | 19 59 | 0 53 | 24 13 | 0 33 | 2 2 | 2 10 | 36 4 | 14 47 | 2 0 | 2 29 | 18 5 | | n.a. |
| W 7 | 20 0 | 17 49 | 4 35 | 22 43 | 1 0 | 5 46 | 2 5 | 7 11 | 1 53 | 3 15 | 1 22 | 19 58 | 0 53 | 24 13 | 0 33 | 2 3 | 2 10 | 36 3 | 14 47 | 2 2 | 2 31 | 18 6 | | n.a. |
| T 8 | 20 13 | 15 42 | 3 55 | 22 32 | 1 13 | 6 13 | 2 4 | 6 55 | 1 54 | 3 11 | 1 23 | 19 57 | 0 53 | 24 13 | 0 33 | 2 3 | 2 10 | 36 2 | 14 46 | 2 4 | 2 32 | 18 6 | | n.a. |
| F 9 | 20 26 | 12 43 | 3 1 | 22 19 | 1 27 | 6 41 | 2 2 | 6 40 | 1 54 | 3 7 | 1 23 | 19 56 | 0 53 | 24 12 | 0 33 | 2 3 | 2 10 | 36 2 | 14 46 | 2 5 | 2 33 | 18 7 | | n.a. |
| S 10 | 20 38 | 9 8 | 1 59 | 22 7 | 1 40 | 7 9 | 2 1 | 6 24 | 1 54 | 3 4 | 1 23 | 19 56 | 0 53 | 24 12 | 0 33 | 2 3 | 2 10 | 36 1 | 14 46 | 2 5 | 2 34 | 18 7 | | n.a. |
| S 11 | 20 50 | 5 12 | 0 52 | 21 54 | 1 54 | 7 36 | 2 0 | 6 9 | 1 54 | 3 0 | 1 23 | 19 55 | 0 53 | 24 12 | 0 33 | 2 3 | 2 10 | 36 1 | 14 46 | 2 5 | 2 36 | 18 8 | | n.a. |
| M12 | 21 2 | 1 7 | 0s16 | 21 40 | 2 8 | 8 4 | 1 58 | 5 53 | 1 54 | 2 56 | 1 23 | 19 54 | 0 53 | 24 12 | 0 33 | 2 3 | 2 10 | 36 0 | 14 45 | 2 5 | 2 37 | 18 9 | | n.a. |
| T 13 | 21 14 | 2n55 | 1 21 | 21 27 | 2 22 | 8 31 | 1 56 | 5 38 | 1 54 | 2 53 | 1 24 | 19 53 | 0 53 | 24 11 | 0 33 | 2 4 | 2 10 | 35 59 | 14 45 | 2 5 | 2 38 | 18 9 | | n.a. |
| W14 | 21 25 | 6 46 | 2 22 | 21 13 | 2 36 | 8 58 | 1 55 | 5 22 | 1 55 | 2 49 | 1 24 | 19 52 | 0 53 | 24 11 | 0 33 | 2 4 | 2 9 | 35 59 | 14 45 | 2 7 | 2 39 | 18 10 | | n.a. |
| T 15 | 21 35 | 10 18 | 3 15 | 20 59 | 2 50 | 9 25 | 1 53 | 5 7 | 1 55 | 2 46 | 1 24 | 19 51 | 0 52 | 24 11 | 0 33 | 2 4 | 2 9 | 35 58 | 14 44 | 2 9 | 2 41 | 18 10 | | n.a. |
| F 16 | 21 46 | 13 21 | 3 59 | 20 45 | 3 3 | 9 52 | 1 51 | 4 51 | 1 55 | 2 42 | 1 24 | 19 51 | 0 52 | 24 11 | 0 33 | 2 4 | 2 9 | 35 58 | 14 44 | 2 12 | 2 42 | 18 11 | | n.a. |
| S 17 | 21 56 | 15 51 | 4 31 | 20 32 | 3 16 | 10 19 | 1 49 | 4 36 | 1 55 | 2 39 | 1 24 | 19 50 | 0 52 | 24 11 | 0 33 | 2 4 | 2 9 | 35 57 | 14 44 | 2 17 | 2 43 | 18 11 | | n.a. |
| S 18 | 22 5 | 17 39 | 4 52 | 20 19 | 3 28 | 10 45 | 1 47 | 4 20 | 1 55 | 2 36 | 1 24 | 19 49 | 0 52 | 24 10 | 0 33 | 2 4 | 2 9 | 35 56 | 14 43 | 2 22 | 2 45 | 18 12 | | n.a. |
| M19 | 22 14 | 18 42 | 5 0 | 20 6 | 3 40 | 11 12 | 1 45 | 4 5 | 1 55 | 2 33 | 1 25 | 19 48 | 0 52 | 24 10 | 0 33 | 2 4 | 2 9 | 35 56 | 14 43 | 2 27 | 2 46 | 18 12 | | n.a. |
| T 20 | 22 23 | 18 56 | 4 56 | 19 54 | 3 51 | 11 38 | 1 43 | 3 50 | 1 55 | 2 29 | 1 25 | 19 47 | 0 52 | 24 10 | 0 33 | 2 4 | 2 9 | 35 55 | 14 43 | 2 33 | 2 47 | 18 13 | | n.a. |
| W21 | 22 32 | 18 19 | 4 38 | 19 42 | 4 1 | 12 4 | 1 41 | 3 35 | 1 55 | 2 26 | 1 25 | 19 46 | 0 52 | 24 10 | 0 33 | 2 4 | 2 9 | 35 55 | 14 43 | 2 37 | 2 48 | 18 13 | | n.a. |
| T 22 | 22 40 | 16 54 | 4 8 | 19 31 | 4 10 | 12 29 | 1 39 | 3 19 | 1 55 | 2 23 | 1 25 | 19 46 | 0 52 | 24 9 | 0 33 | 2 4 | 2 9 | 35 54 | 14 42 | 2 41 | 2 50 | 18 14 | | n.a. |
| F 23 | 22 47 | 14 44 | 3 26 | 19 21 | 4 18 | 12 55 | 1 37 | 3 4 | 1 55 | 2 20 | 1 26 | 19 45 | 0 52 | 24 9 | 0 33 | 2 4 | 2 9 | 35 53 | 14 42 | 2 43 | 2 51 | 18 14 | | n.a. |
| S 24 | 22 55 | 11 52 | 2 35 | 19 12 | 4 24 | 13 20 | 1 34 | 2 49 | 1 55 | 2 17 | 1 26 | 19 44 | 0 51 | 24 9 | 0 33 | 2 4 | 2 9 | 35 53 | 14 42 | 2 45 | 2 52 | 18 15 | | n.a. |
| S 25 | 23 2 | 8 25 | 1 35 | 19 4 | 4 28 | 13 45 | 1 32 | 2 34 | 1 55 | 2 15 | 1 26 | 19 43 | 0 51 | 24 9 | 0 33 | 2 4 | 2 9 | 35 52 | 14 42 | 2 46 | 2 54 | 18 16 | | n.a. |
| M26 | 23 8 | 4 29 | 0 29 | 18 58 | 4 31 | 14 10 | 1 30 | 2 19 | 1 55 | 2 12 | 1 26 | 19 42 | 0 51 | 24 8 | 0 33 | 2 4 | 2 9 | 35 52 | 14 41 | 2 46 | 2 55 | 18 16 | | n.a. |
| T 27 | 23 14 | 0 14 | 0n41 | 18 53 | 4 32 | 14 34 | 1 27 | 2 4 | 1 55 | 2 9 | 1 26 | 19 42 | 0 51 | 24 8 | 0 33 | 2 4 | 2 9 | 35 51 | 14 41 | 2 46 | 2 56 | 18 17 | | n.a. |
| W28 | 23 20 | 4s11 | 1 51 | 18 49 | 4 32 | 14 58 | 1 25 | 1 49 | 1 55 | 2 6 | 1 27 | 19 41 | 0 51 | 24 8 | 0 33 | 2 4 | 2 8 | 35 50 | 14 41 | 2 46 | 2 57 | 18 17 | | n.a. |
| T 29 | 23 25 | 8 31 | 2 56 | 18 47 | 4 29 | 15 22 | 1 22 | 1 34 | 1 55 | 2 4 | 1 27 | 19 40 | 0 51 | 24 8 | 0 33 | 2 4 | 2 8 | 35 50 | 14 41 | 2 47 | 2 59 | 18 18 | | n.a. |
| F 30 | 23n30 | 12s29 | 3n52 | 18n46 | 4s25 | 15n45 | 1s20 | 1s19 | 1s55 | 2s 1 | 1s27 | 19s39 | 0n51 | 24n 7 | 0n33 | 2n 4 | 2n 8 | 35n49 | 14n41 | 2n50 | 3n 0 | 18n18 | | n.a. |

Julian Day Number = 995822.5, Delta T = 12h57m02s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'44, Lahiri = -31°20'44 Julian Calendar 1 June 1987 BCE == Greg. Calendar 15 May 1987 BCE


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## JULY 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 27 57 | 20♊29'36 | 28♏22 | 15°R14 | 17♉24 | 1♈40 | 28♓24 | 29°R35 | 9♋36 | 29♍43 | 25♋39 | 22°R53 | 22♍32 | 18♊40 | n.a. | S 1 |
| S 2 | 17 31 53 | 21°27'15 | 13♐37 | 14♊35 | 18°35 | 2°16 | 28°31 | 29♏31 | 9°40 | 29°43 | 25°41 | 22♍42 | 22°29 | 18°46 | n.a. | S 2 |
| M 3 | 17 35 50 | 22°24'56 | 28°58 | 13°59 | 19°47 | 2°52 | 28°37 | 29°27 | 9°44 | 29°43 | 25°43 | 22°32 | 22°26 | 18°53 | n.a. | M 3 |
| T 4 | 17 39 47 | 23°22'39 | 14♑13 | 13°29 | 20°58 | 3°28 | 28°43 | 29°23 | 9°47 | 29°44 | 25°45 | 22°21 | 22°22 | 19° 0 | n.a. | T 4 |
| W 5 | 17 43 43 | 24°20'23 | 29°10 | 13° 5 | 22°10 | 4° 4 | 28°49 | 29°19 | 9°51 | 29°44 | 25°47 | 22°13 | 22°19 | 19° 6 | n.a. | W 5 |
| T 6 | 17 47 40 | 25°18'09 | 13♒42 | 12°47 | 23°22 | 4°39 | 28°55 | 29°15 | 9°55 | 29°44 | 25°49 | 22° 6 | 22°16 | 19°13 | n.a. | T 6 |
| F 7 | 17 51 36 | 26°15'57 | 27°46 | 12°37 | 24°34 | 5°14 | 29° 1 | 29°12 | 9°58 | 29°44 | 25°51 | 22° 3 | 22°13 | 19°20 | n.a. | F 7 |
| S 8 | 17 55 33 | 27°13'47 | 11♓20 | 12°D33 | 25°45 | 5°49 | 29° 7 | 29° 8 | 10° 2 | 29°44 | 25°53 | 22° 1 | 22°10 | 19°27 | n.a. | S 8 |
| S 9 | 17 59 29 | 28°11'39 | 24°27 | 12°37 | 26°57 | 6°24 | 29°12 | 29° 4 | 10° 6 | 29°45 | 25°55 | 22° 1 | 22° 6 | 19°33 | n.a. | S 9 |
| M10 | 18 3 26 | 29° 9'33 | 7♈11 | 12°49 | 28° 9 | 6°58 | 29°17 | 29° 1 | 10°10 | 29°45 | 25°57 | 22° 1 | 22° 3 | 19°40 | n.a. | M10 |
| T 11 | 18 7 22 | 0♋ 7'28 | 19°36 | 13° 9 | 29°21 | 7°33 | 29°22 | 28°57 | 10°13 | 29°45 | 25°59 | 22° 0 | 22° 0 | 19°47 | n.a. | T 11 |
| W12 | 18 11 19 | 1° 5'26 | 1♉47 | 13°37 | 0♊33 | 8° 7 | 29°27 | 28°54 | 10°17 | 29°46 | 26° 1 | 21°57 | 21°57 | 19°54 | n.a. | W12 |
| T 13 | 18 15 16 | 2° 3'26 | 13°48 | 14°12 | 1°46 | 8°41 | 29°32 | 28°50 | 10°21 | 29°46 | 26° 3 | 21°51 | 21°54 | 20° 0 | n.a. | T 13 |
| F 14 | 18 19 12 | 3° 1'28 | 25°43 | 14°55 | 2°58 | 9°15 | 29°37 | 28°47 | 10°25 | 29°47 | 26° 5 | 21°42 | 21°51 | 20° 7 | n.a. | F 14 |
| S 15 | 18 23 9 | 3°59'32 | 7♊35 | 15°46 | 4°10 | 9°48 | 29°41 | 28°44 | 10°28 | 29°47 | 26° 7 | 21°31 | 21°47 | 20°14 | n.a. | S 15 |
| S 16 | 18 27 5 | 4°57'38 | 19°26 | 16°44 | 5°23 | 10°22 | 29°45 | 28°41 | 10°32 | 29°48 | 26° 9 | 21°18 | 21°44 | 20°20 | n.a. | S 16 |
| M17 | 18 31 2 | 5°55'46 | 1♋19 | 17°48 | 6°35 | 10°55 | 29°49 | 28°38 | 10°36 | 29°48 | 26°11 | 21° 4 | 21°41 | 20°27 | n.a. | M17 |
| T 18 | 18 34 58 | 6°53'55 | 13°15 | 18°59 | 7°48 | 11°28 | 29°53 | 28°35 | 10°40 | 29°49 | 26°13 | 20°51 | 21°38 | 20°34 | n.a. | T 18 |
| W19 | 18 38 55 | 7°52'07 | 25°14 | 20°17 | 9° 0 | 12° 0 | 29°57 | 28°32 | 10°43 | 29°50 | 26°15 | 20°39 | 21°35 | 20°41 | n.a. | W19 |
| T 20 | 18 42 51 | 8°50'20 | 7♌20 | 21°40 | 10°13 | 12°33 | 0♈ 0 | 28°29 | 10°47 | 29°50 | 26°17 | 20°30 | 21°32 | 20°47 | n.a. | T 20 |
| F 21 | 18 46 48 | 9°48'36 | 19°32 | 23° 8 | 11°26 | 13° 5 | 0° 4 | 28°26 | 10°51 | 29°51 | 26°20 | 20°23 | 21°28 | 20°54 | n.a. | F 21 |
| S 22 | 18 50 45 | 10°46'53 | 1♍54 | 24°40 | 12°39 | 13°37 | 0° 7 | 28°23 | 10°55 | 29°52 | 26°22 | 20°19 | 21°25 | 21° 1 | n.a. | S 22 |
| S 23 | 18 54 41 | 11°45'11 | 14°28 | 26°17 | 13°52 | 14° 8 | 0°10 | 28°21 | 10°59 | 29°52 | 26°24 | 20°18 | 21°22 | 21° 8 | n.a. | S 23 |
| M24 | 18 58 38 | 12°43'32 | 27°18 | 27°58 | 15° 5 | 14°40 | 0°12 | 28°18 | 11° 2 | 29°53 | 26°26 | 20°D18 | 21°19 | 21°14 | n.a. | M24 |
| T 25 | 19 2 34 | 13°41'54 | 10♎28 | 29°41 | 16°18 | 15°11 | 0°15 | 28°16 | 11° 6 | 29°54 | 26°28 | 20°R18 | 21°16 | 21°21 | n.a. | T 25 |
| W26 | 19 6 31 | 14°40'18 | 24° 1 | 1♋28 | 17°31 | 15°42 | 0°17 | 28°13 | 11°10 | 29°55 | 26°30 | 20°18 | 21°12 | 21°28 | n.a. | W26 |
| T 27 | 19 10 27 | 15°38'43 | 7♏58 | 3°16 | 18°44 | 16°13 | 0°20 | 28°11 | 11°14 | 29°56 | 26°32 | 20°16 | 21° 9 | 21°34 | n.a. | T 27 |
| F 28 | 19 14 24 | 16°37'11 | 22°21 | 5° 6 | 19°57 | 16°43 | 0°22 | 28° 9 | 11°17 | 29°57 | 26°35 | 20°12 | 21° 6 | 21°41 | n.a. | F 28 |
| S 29 | 19 18 20 | 17°35'40 | 7♐ 7 | 6°58 | 21°10 | 17°13 | 0°23 | 28° 7 | 11°21 | 29°58 | 26°37 | 20° 5 | 21° 3 | 21°48 | n.a. | S 29 |
| S 30 | 19 22 17 | 18°34'11 | 22° 9 | 8°50 | 22°23 | 17°43 | 0°25 | 28° 5 | 11°25 | 29°59 | 26°39 | 19°57 | 21° 0 | 21°55 | n.a. | S 30 |
| M31 | 19 26 13 | 19♋32'45 | 7♑20 | 10♋44 | 23♊37 | 18♈12 | 0♈26 | 28♏ 3 | 11♋29 | 29♍59 | 26♋41 | 19♍48 | 20♍57 | 22♊ 1 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n34 | 15s45 | 4n34 | 18n48 | 4s19 | 16n 8 | 1s17 | 1s 5 | 1s55 | 1s59 | 1s27 | 19s38 | 0n51 | 24n 7 | 0n33 | 2n 4 | 2n 8 | 35n49 | 14n40 | 2n53 | 3n 1 | 18n19 | | n.a. |
| S 2 | 23 38 | 17 59 | 4 57 | 18 51 | 4 11 | 16 31 | 1 14 | 0 50 | 1 55 | 1 56 | 1 27 | 19 38 | 0 51 | 24 7 | 0 33 | 2 4 | 2 8 | 35 48 | 14 40 | 2 57 | 3 3 | 18 19 | | n.a. |
| M 3 | 23 42 | 18 56 | 4 58 | 18 56 | 4 2 | 16 53 | 1 12 | 0 35 | 1 55 | 1 54 | 1 28 | 19 37 | 0 50 | 24 6 | 0 33 | 2 4 | 2 8 | 35 47 | 14 40 | 3 1 | 3 4 | 18 20 | | n.a. |
| T 4 | 23 45 | 18 31 | 4 39 | 19 4 | 3 51 | 17 15 | 1 9 | 0 21 | 1 55 | 1 51 | 1 28 | 19 36 | 0 50 | 24 6 | 0 33 | 2 4 | 2 8 | 35 47 | 14 40 | 3 6 | 3 5 | 18 20 | | n.a. |
| W 5 | 23 48 | 16 49 | 4 1 | 19 13 | 3 39 | 17 37 | 1 6 | 0 7 | 1 55 | 1 49 | 1 28 | 19 36 | 0 50 | 24 6 | 0 33 | 2 4 | 2 8 | 35 46 | 14 40 | 3 9 | 3 6 | 18 21 | | n.a. |
| T 6 | 23 50 | 14 3 | 3 8 | 19 24 | 3 25 | 17 58 | 1 4 | 0n 8 | 1 55 | 1 47 | 1 28 | 19 35 | 0 50 | 24 6 | 0 33 | 2 3 | 2 8 | 35 46 | 14 39 | 3 11 | 3 8 | 18 21 | | n.a. |
| F 7 | 23 52 | 10 33 | 2 4 | 19 36 | 3 11 | 18 18 | 1 1 | 0 22 | 1 55 | 1 45 | 1 29 | 19 34 | 0 50 | 24 5 | 0 33 | 2 3 | 2 8 | 35 45 | 14 39 | 3 13 | 3 9 | 18 22 | | n.a. |
| S 8 | 23 53 | 6 35 | 0 56 | 19 51 | 2 56 | 18 39 | 0 58 | 0 36 | 1 55 | 1 43 | 1 29 | 19 33 | 0 50 | 24 5 | 0 33 | 2 3 | 2 8 | 35 45 | 14 39 | 3 14 | 3 10 | 18 22 | | n.a. |
| S 9 | 23 54 | 2 26 | 0s13 | 20 7 | 2 40 | 18 58 | 0 55 | 0 50 | 1 55 | 1 41 | 1 29 | 19 33 | 0 50 | 24 5 | 0 33 | 2 3 | 2 8 | 35 44 | 14 39 | 3 14 | 3 11 | 18 23 | | n.a. |
| M10 | 23 55 | 1n42 | 1 19 | 20 25 | 2 24 | 19 18 | 0 52 | 1 4 | 1 55 | 1 39 | 1 29 | 19 32 | 0 50 | 24 5 | 0 33 | 2 3 | 2 8 | 35 43 | 14 39 | 3 14 | 3 13 | 18 23 | | n.a. |
| T 11 | 23 55 | 5 39 | 2 20 | 20 43 | 2 8 | 19 37 | 0 50 | 1 18 | 1 54 | 1 37 | 1 30 | 19 31 | 0 49 | 24 4 | 0 33 | 2 2 | 2 8 | 35 43 | 14 39 | 3 14 | 3 14 | 18 23 | | n.a. |
| W12 | 23 55 | 9 18 | 3 14 | 21 3 | 1 51 | 19 55 | 0 47 | 1 32 | 1 54 | 1 35 | 1 30 | 19 31 | 0 49 | 24 4 | 0 33 | 2 2 | 2 7 | 35 42 | 14 38 | 3 15 | 3 15 | 18 24 | | n.a. |
| T 13 | 23 54 | 12 31 | 3 58 | 21 24 | 1 34 | 20 13 | 0 44 | 1 46 | 1 54 | 1 34 | 1 30 | 19 30 | 0 49 | 24 4 | 0 33 | 2 2 | 2 7 | 35 42 | 14 38 | 3 18 | 3 17 | 18 24 | | n.a. |
| F 14 | 23 53 | 15 12 | 4 31 | 21 45 | 1 18 | 20 30 | 0 41 | 2 0 | 1 54 | 1 32 | 1 30 | 19 30 | 0 49 | 24 3 | 0 33 | 2 2 | 2 7 | 35 41 | 14 38 | 3 21 | 3 18 | 18 25 | | n.a. |
| S 15 | 23 51 | 17 13 | 4 52 | 22 7 | 1 2 | 20 47 | 0 38 | 2 13 | 1 54 | 1 30 | 1 31 | 19 29 | 0 49 | 24 3 | 0 33 | 2 1 | 2 7 | 35 41 | 14 38 | 3 26 | 3 19 | 18 25 | | n.a. |
| S 16 | 23 49 | 18 30 | 5 0 | 22 29 | 0 46 | 21 3 | 0 35 | 2 27 | 1 54 | 1 29 | 1 31 | 19 28 | 0 49 | 24 3 | 0 33 | 2 1 | 2 7 | 35 40 | 14 38 | 3 31 | 3 20 | 18 26 | | n.a. |
| M17 | 23 47 | 18 59 | 4 56 | 22 50 | 0 31 | 21 19 | 0 32 | 2 40 | 1 53 | 1 28 | 1 31 | 19 28 | 0 49 | 24 2 | 0 33 | 2 1 | 2 7 | 35 39 | 14 38 | 3 37 | 3 22 | 18 26 | | n.a. |
| T 18 | 23 44 | 18 38 | 4 38 | 23 11 | 0 16 | 21 34 | 0 29 | 2 53 | 1 53 | 1 26 | 1 31 | 19 27 | 0 48 | 24 2 | 0 33 | 2 1 | 2 7 | 35 39 | 14 38 | 3 42 | 3 23 | 18 27 | | n.a. |
| W19 | 23 41 | 17 27 | 4 8 | 23 32 | 0 2 | 21 48 | 0 27 | 3 7 | 1 53 | 1 25 | 1 31 | 19 27 | 0 48 | 24 2 | 0 33 | 2 0 | 2 7 | 35 38 | 14 38 | 3 47 | 3 24 | 18 27 | | n.a. |
| T 20 | 23 37 | 15 29 | 3 27 | 23 51 | 0n12 | 22 2 | 0 24 | 3 20 | 1 53 | 1 24 | 1 32 | 19 26 | 0 48 | 24 2 | 0 33 | 2 0 | 2 7 | 35 38 | 14 38 | 3 50 | 3 26 | 18 28 | | n.a. |
| F 21 | 23 33 | 12 48 | 2 36 | 24 9 | 0 24 | 22 16 | 0 21 | 3 33 | 1 53 | 1 23 | 1 32 | 19 26 | 0 48 | 24 1 | 0 33 | 2 0 | 2 7 | 35 37 | 14 38 | 3 53 | 3 27 | 18 28 | | n.a. |
| S 22 | 23 28 | 9 31 | 1 36 | 24 25 | 0 36 | 22 28 | 0 18 | 3 45 | 1 52 | 1 22 | 1 32 | 19 25 | 0 48 | 24 1 | 0 33 | 1 59 | 2 7 | 35 37 | 14 37 | 3 55 | 3 28 | 18 29 | | n.a. |
| S 23 | 23 23 | 5 45 | 0 31 | 24 39 | 0 47 | 22 40 | 0 15 | 3 58 | 1 52 | 1 21 | 1 32 | 19 25 | 0 48 | 24 1 | 0 33 | 1 59 | 2 7 | 35 36 | 14 37 | 3 55 | 3 29 | 18 29 | | n.a. |
| M24 | 23 18 | 1 40 | 0n37 | 24 51 | 0 57 | 22 52 | 0 12 | 4 11 | 1 52 | 1 20 | 1 33 | 19 25 | 0 48 | 24 0 | 0 33 | 1 58 | 2 7 | 35 36 | 14 37 | 3 55 | 3 31 | 18 29 | | n.a. |
| T 25 | 23 12 | 2s37 | 1 45 | 25 1 | 1 6 | 23 3 | 0 9 | 4 23 | 1 51 | 1 19 | 1 33 | 19 24 | 0 47 | 24 0 | 0 33 | 1 58 | 2 7 | 35 35 | 14 37 | 3 55 | 3 32 | 18 30 | | n.a. |
| W26 | 23 6 | 6 53 | 2 49 | 25 9 | 1 14 | 23 13 | 0 6 | 4 36 | 1 51 | 1 18 | 1 33 | 19 24 | 0 47 | 24 0 | 0 33 | 1 58 | 2 6 | 35 35 | 14 37 | 3 55 | 3 33 | 18 30 | | n.a. |
| T 27 | 22 59 | 10 54 | 3 46 | 25 14 | 1 22 | 23 22 | 0 4 | 4 48 | 1 51 | 1 18 | 1 33 | 19 23 | 0 47 | 23 59 | 0 33 | 1 57 | 2 6 | 35 34 | 14 37 | 3 56 | 3 34 | 18 31 | | n.a. |
| F 28 | 22 52 | 14 23 | 4 29 | 25 17 | 1 28 | 23 31 | 0 1 | 5 0 | 1 50 | 1 17 | 1 34 | 19 23 | 0 47 | 23 59 | 0 33 | 1 57 | 2 6 | 35 34 | 14 37 | 3 58 | 3 36 | 18 31 | | n.a. |
| S 29 | 22 44 | 17 4 | 4 56 | 25 17 | 1 33 | 23 39 | 0n 2 | 5 12 | 1 50 | 1 16 | 1 34 | 19 23 | 0 47 | 23 59 | 0 33 | 1 56 | 2 6 | 35 33 | 14 37 | 4 0 | 3 37 | 18 32 | | n.a. |
| S 30 | 22 36 | 18 38 | 5 4 | 25 15 | 1 38 | 23 47 | 0 5 | 5 24 | 1 50 | 1 16 | 1 34 | 19 22 | 0 47 | 23 58 | 0 33 | 1 56 | 2 6 | 35 33 | 14 37 | 4 4 | 3 38 | 18 32 | | n.a. |
| M31 | 22n28 | 18s53 | 4n50 | 25n10 | 1n42 | 23n53 | 0n 8 | 5n36 | 1s49 | 1s16 | 1s34 | 19s22 | 0n46 | 23n58 | 0n33 | 1n55 | 2n 6 | 35n32 | 14n37 | 4n 7 | 3n40 | 18n32 | | n.a. |

Julian Day Number = 995852.5, Delta T = 12h57m00s
Ecliptic obliquity = 23°55'12, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'40, Lahiri = -31°20'40 Julian Calendar 1 July 1987 BCE == Greg. Calendar 14 June 1987 BCE

The year -1986 astronomical counting style corresponds to year 1987 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## AUGUST 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 30 10 | 20♋31'20 | 22♑29 | 12♋37 | 24♊50 | 18♈41 | 0♈27 | 28°R 1 | 11♋33 | 0♎ 1 | 26♋43 | 19°R39 | 20♍53 | 22♊ 8 | n.a. | T 1 |
| W 2 | 19 34 7 | 21°29'57 | 7♒25 | 14°31 | 26° 4 | 19°10 | 0°28 | 27♏59 | 11°36 | 0° 2 | 26°46 | 19♍32 | 20°50 | 22°15 | n.a. | W 2 |
| T 3 | 19 38 3 | 22°28'36 | 22° 1 | 16°25 | 27°17 | 19°39 | 0°29 | 27°57 | 11°40 | 0° 3 | 26°48 | 19°26 | 20°47 | 22°22 | n.a. | T 3 |
| F 4 | 19 42 0 | 23°27'18 | 6♓10 | 18°18 | 28°31 | 20° 7 | 0°30 | 27°56 | 11°44 | 0° 4 | 26°50 | 19°24 | 20°44 | 22°28 | n.a. | F 4 |
| S 5 | 19 45 56 | 24°26'02 | 19°51 | 20°11 | 29°45 | 20°35 | 0°30 | 27°54 | 11°47 | 0° 5 | 26°52 | 19°D23 | 20°41 | 22°35 | n.a. | S 5 |
| S 6 | 19 49 53 | 25°24'48 | 3♈ 4 | 22° 3 | 0♋58 | 21° 3 | 0°31 | 27°53 | 11°51 | 0° 6 | 26°54 | 19°23 | 20°38 | 22°42 | n.a. | S 6 |
| M 7 | 19 53 49 | 26°23'37 | 15°52 | 23°55 | 2°12 | 21°30 | 0°R31 | 27°52 | 11°55 | 0° 8 | 26°57 | 19°24 | 20°34 | 22°48 | n.a. | M 7 |
| T 8 | 19 57 46 | 27°22'29 | 28°19 | 25°46 | 3°26 | 21°57 | 0°30 | 27°50 | 11°59 | 0° 9 | 26°59 | 19°R25 | 20°31 | 22°55 | n.a. | T 8 |
| W 9 | 20 1 42 | 28°21'22 | 10♉30 | 27°36 | 4°40 | 22°24 | 0°30 | 27°49 | 12° 2 | 0°10 | 27° 1 | 19°24 | 20°28 | 23° 2 | n.a. | W 9 |
| T 10 | 20 5 39 | 29°20'19 | 22°31 | 29°26 | 5°54 | 22°50 | 0°29 | 27°48 | 12° 6 | 0°11 | 27° 3 | 19°21 | 20°25 | 23° 9 | n.a. | T 10 |
| F 11 | 20 9 35 | 0♌19'17 | 4♊25 | 1♌14 | 7° 8 | 23°16 | 0°29 | 27°47 | 12°10 | 0°13 | 27° 5 | 19°16 | 20°22 | 23°15 | n.a. | F 11 |
| S 12 | 20 13 32 | 1°18'19 | 16°16 | 3° 2 | 8°22 | 23°42 | 0°28 | 27°47 | 12°13 | 0°14 | 27° 8 | 19° 9 | 20°18 | 23°22 | n.a. | S 12 |
| S 13 | 20 17 29 | 2°17'22 | 28° 8 | 4°49 | 9°36 | 24° 7 | 0°26 | 27°46 | 12°17 | 0°15 | 27°10 | 19° 1 | 20°15 | 23°29 | n.a. | S 13 |
| M14 | 20 21 25 | 3°16'28 | 10♋ 4 | 6°35 | 10°50 | 24°32 | 0°25 | 27°45 | 12°20 | 0°17 | 27°12 | 18°52 | 20°12 | 23°36 | n.a. | M14 |
| T 15 | 20 25 22 | 4°15'36 | 22° 6 | 8°20 | 12° 4 | 24°56 | 0°23 | 27°45 | 12°24 | 0°18 | 27°14 | 18°43 | 20° 9 | 23°42 | n.a. | T 15 |
| W16 | 20 29 18 | 5°14'47 | 4♌14 | 10° 4 | 13°19 | 25°20 | 0°22 | 27°44 | 12°28 | 0°20 | 27°16 | 18°36 | 20° 6 | 23°49 | n.a. | W16 |
| T 17 | 20 33 15 | 6°14'00 | 16°31 | 11°47 | 14°33 | 25°44 | 0°20 | 27°44 | 12°31 | 0°21 | 27°19 | 18°30 | 20° 3 | 23°56 | n.a. | T 17 |
| F 18 | 20 37 11 | 7°13'14 | 28°57 | 13°29 | 15°47 | 26° 7 | 0°17 | 27°44 | 12°35 | 0°23 | 27°21 | 18°26 | 19°59 | 24° 2 | n.a. | F 18 |
| S 19 | 20 41 8 | 8°12'31 | 11♍34 | 15°11 | 17° 2 | 26°30 | 0°15 | 27°44 | 12°38 | 0°24 | 27°23 | 18°24 | 19°56 | 24° 9 | n.a. | S 19 |
| S 20 | 20 45 4 | 9°11'50 | 24°22 | 16°51 | 18°16 | 26°52 | 0°12 | 27°D44 | 12°42 | 0°26 | 27°25 | 18°D24 | 19°53 | 24°16 | n.a. | S 20 |
| M21 | 20 49 1 | 10°11'11 | 7♎24 | 18°31 | 19°31 | 27°14 | 0°10 | 27°44 | 12°45 | 0°27 | 27°27 | 18°25 | 19°50 | 24°23 | n.a. | M21 |
| T 22 | 20 52 57 | 11°10'34 | 20°40 | 20°10 | 20°45 | 27°35 | 0° 7 | 27°44 | 12°49 | 0°29 | 27°29 | 18°26 | 19°47 | 24°29 | n.a. | T 22 |
| W23 | 20 56 54 | 12° 9'59 | 4♏14 | 21°48 | 22° 0 | 27°56 | 0° 3 | 27°44 | 12°52 | 0°31 | 27°32 | 18°28 | 19°44 | 24°36 | n.a. | W23 |
| T 24 | 21 0 51 | 13° 9'26 | 18° 6 | 23°25 | 23°15 | 28°16 | 29♓59 | 27°45 | 12°55 | 0°32 | 27°34 | 18°R28 | 19°40 | 24°43 | n.a. | T 24 |
| F 25 | 21 4 47 | 14° 8'55 | 2♐16 | 25° 2 | 24°29 | 28°36 | 29°56 | 27°45 | 12°59 | 0°34 | 27°36 | 18°26 | 19°37 | 24°49 | n.a. | F 25 |
| S 26 | 21 8 44 | 15° 8'26 | 16°42 | 26°38 | 25°44 | 28°56 | 29°53 | 27°46 | 13° 2 | 0°36 | 27°38 | 18°24 | 19°34 | 24°56 | n.a. | S 26 |
| S 27 | 21 12 40 | 16° 7'59 | 1♑22 | 28°13 | 26°59 | 29°15 | 29°49 | 27°46 | 13° 6 | 0°37 | 27°40 | 18°20 | 19°31 | 25° 3 | n.a. | S 27 |
| M28 | 21 16 37 | 17° 7'33 | 16°10 | 29°47 | 28°14 | 29°33 | 29°45 | 27°47 | 13° 9 | 0°39 | 27°42 | 18°15 | 19°28 | 25°10 | n.a. | M28 |
| T 29 | 21 20 33 | 18° 7'10 | 0♒57 | 1♍21 | 29°28 | 29°51 | 29°40 | 27°48 | 13°12 | 0°41 | 27°44 | 18°11 | 19°24 | 25°16 | n.a. | T 29 |
| W30 | 21 24 30 | 19° 6'49 | 15°37 | 2°54 | 0♌43 | 0♉ 9 | 29°36 | 27°49 | 13°15 | 0°43 | 27°46 | 18° 7 | 19°21 | 25°23 | n.a. | W30 |
| T 31 | 21 28 26 | 20♌ 6'30 | 0♓ 2 | 4♍26 | 1♌58 | 0♉26 | 29♓31 | 27♏50 | 13♋19 | 0♎44 | 27♋48 | 18♍ 4 | 19♍18 | 25♊30 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 22n19 | 17s48 | 4n16 | 25n 3 | 1n45 | 23n59 | 0n10 | 5n47 | 1s49 | 1s15 | 1s35 | 19s22 | 0n46 | 23n58 | 0n33 | 1n55 | 2n 6 | 35n32 | 14n37 | 4n11 | 3n41 | 18n33 | | | n.a. |
| W 2 | 22 10 | 15 29 | 3 25 | 24 53 | 1 47 | 24 5 | 0 13 | 5 59 | 1 49 | 1 15 | 1 35 | 19 22 | 0 46 | 23 57 | 0 33 | 1 54 | 2 6 | 35 31 | 14 37 | 4 14 | 3 42 | 18 33 | | | n.a. |
| T 3 | 22 0 | 12 14 | 2 21 | 24 41 | 1 49 | 24 9 | 0 16 | 6 10 | 1 48 | 1 15 | 1 35 | 19 21 | 0 46 | 23 57 | 0 33 | 1 54 | 2 6 | 35 31 | 14 37 | 4 16 | 3 43 | 18 34 | | | n.a. |
| F 4 | 21 50 | 8 21 | 1 10 | 24 27 | 1 49 | 24 13 | 0 18 | 6 21 | 1 48 | 1 15 | 1 35 | 19 21 | 0 46 | 23 57 | 0 33 | 1 53 | 2 6 | 35 31 | 14 37 | 4 17 | 3 45 | 18 34 | | | n.a. |
| S 5 | 21 40 | 4 8 | 0s 3 | 24 10 | 1 49 | 24 16 | 0 21 | 6 33 | 1 47 | 1 15 | 1 36 | 19 21 | 0 46 | 23 56 | 0 33 | 1 53 | 2 6 | 35 30 | 14 37 | 4 17 | 3 46 | 18 34 | | | n.a. |
| S 6 | 21 29 | 0n 8 | 1 13 | 23 52 | 1 49 | 24 19 | 0 24 | 6 44 | 1 47 | 1 15 | 1 36 | 19 21 | 0 46 | 23 56 | 0 33 | 1 52 | 2 6 | 35 30 | 14 37 | 4 17 | 3 47 | 18 35 | | | n.a. |
| M 7 | 21 18 | 4 15 | 2 17 | 23 32 | 1 48 | 24 20 | 0 26 | 6 54 | 1 47 | 1 16 | 1 36 | 19 21 | 0 45 | 23 56 | 0 34 | 1 52 | 2 6 | 35 29 | 14 37 | 4 17 | 3 48 | 18 35 | | | n.a. |
| T 8 | 21 6 | 8 5 | 3 14 | 23 10 | 1 47 | 24 21 | 0 29 | 7 5 | 1 46 | 1 16 | 1 36 | 19 20 | 0 45 | 23 55 | 0 34 | 1 51 | 2 6 | 35 29 | 14 37 | 4 16 | 3 50 | 18 36 | | | n.a. |
| W 9 | 20 54 | 11 29 | 4 0 | 22 46 | 1 45 | 24 21 | 0 31 | 7 16 | 1 46 | 1 16 | 1 37 | 19 20 | 0 45 | 23 55 | 0 34 | 1 51 | 2 6 | 35 28 | 14 37 | 4 17 | 3 51 | 18 36 | | | n.a. |
| T 10 | 20 42 | 14 21 | 4 35 | 22 21 | 1 42 | 24 21 | 0 34 | 7 26 | 1 45 | 1 17 | 1 37 | 19 20 | 0 45 | 23 55 | 0 34 | 1 50 | 2 5 | 35 28 | 14 38 | 4 18 | 3 52 | 18 36 | | | n.a. |
| F 11 | 20 29 | 16 35 | 4 57 | 21 54 | 1 39 | 24 20 | 0 36 | 7 36 | 1 45 | 1 17 | 1 37 | 19 20 | 0 45 | 23 55 | 0 34 | 1 50 | 2 5 | 35 28 | 14 38 | 4 20 | 3 54 | 18 37 | | | n.a. |
| S 12 | 20 16 | 18 6 | 5 7 | 21 26 | 1 36 | 24 17 | 0 39 | 7 46 | 1 44 | 1 18 | 1 37 | 19 20 | 0 45 | 23 54 | 0 34 | 1 49 | 2 5 | 35 27 | 14 38 | 4 23 | 3 55 | 18 37 | | | n.a. |
| S 13 | 20 3 | 18 51 | 5 3 | 20 56 | 1 32 | 24 15 | 0 41 | 7 56 | 1 43 | 1 19 | 1 38 | 19 20 | 0 44 | 23 54 | 0 34 | 1 48 | 2 5 | 35 27 | 14 38 | 4 26 | 3 56 | 18 37 | | | n.a. |
| M14 | 19 49 | 18 46 | 4 47 | 20 25 | 1 28 | 24 11 | 0 43 | 8 6 | 1 43 | 1 19 | 1 38 | 19 20 | 0 44 | 23 54 | 0 34 | 1 48 | 2 5 | 35 26 | 14 38 | 4 29 | 3 57 | 18 38 | | | n.a. |
| T 15 | 19 35 | 17 50 | 4 17 | 19 54 | 1 24 | 24 7 | 0 45 | 8 16 | 1 42 | 1 20 | 1 38 | 19 20 | 0 44 | 23 53 | 0 34 | 1 47 | 2 5 | 35 26 | 14 38 | 4 33 | 3 59 | 18 38 | | | n.a. |
| W16 | 19 20 | 16 5 | 3 36 | 19 21 | 1 19 | 24 2 | 0 48 | 8 25 | 1 42 | 1 21 | 1 38 | 19 20 | 0 44 | 23 53 | 0 34 | 1 46 | 2 5 | 35 26 | 14 38 | 4 36 | 4 0 | 18 39 | | | n.a. |
| T 17 | 19 5 | 13 36 | 2 44 | 18 47 | 1 14 | 23 56 | 0 50 | 8 34 | 1 41 | 1 22 | 1 39 | 19 20 | 0 44 | 23 53 | 0 34 | 1 46 | 2 5 | 35 25 | 14 38 | 4 38 | 4 1 | 18 39 | | | n.a. |
| F 18 | 18 50 | 10 27 | 1 44 | 18 13 | 1 9 | 23 49 | 0 52 | 8 43 | 1 40 | 1 23 | 1 39 | 19 20 | 0 44 | 23 52 | 0 34 | 1 45 | 2 5 | 35 25 | 14 38 | 4 40 | 4 2 | 18 39 | | | n.a. |
| S 19 | 18 35 | 6 48 | 0 37 | 17 37 | 1 4 | 23 42 | 0 54 | 8 52 | 1 40 | 1 24 | 1 39 | 19 21 | 0 44 | 23 52 | 0 34 | 1 44 | 2 5 | 35 25 | 14 39 | 4 41 | 4 4 | 18 40 | | | n.a. |
| S 20 | 18 19 | 2 46 | 0n32 | 17 1 | 0 58 | 23 34 | 0 56 | 9 1 | 1 39 | 1 26 | 1 39 | 19 21 | 0 43 | 23 52 | 0 34 | 1 44 | 2 5 | 35 24 | 14 39 | 4 41 | 4 5 | 18 40 | | | n.a. |
| M21 | 18 3 | 1s26 | 1 42 | 16 25 | 0 52 | 23 25 | 0 58 | 9 10 | 1 38 | 1 27 | 1 39 | 19 21 | 0 43 | 23 51 | 0 34 | 1 43 | 2 5 | 35 24 | 14 39 | 4 40 | 4 6 | 18 40 | | | n.a. |
| T 22 | 17 46 | 5 40 | 2 47 | 15 47 | 0 46 | 23 16 | 1 0 | 9 18 | 1 38 | 1 28 | 1 40 | 19 21 | 0 43 | 23 51 | 0 34 | 1 42 | 2 5 | 35 24 | 14 39 | 4 40 | 4 8 | 18 41 | | | n.a. |
| W23 | 17 29 | 9 41 | 3 44 | 15 9 | 0 40 | 23 6 | 1 2 | 9 27 | 1 37 | 1 30 | 1 40 | 19 21 | 0 43 | 23 51 | 0 34 | 1 42 | 2 5 | 35 23 | 14 39 | 4 39 | 4 9 | 18 41 | | | n.a. |
| T 24 | 17 12 | 13 15 | 4 29 | 14 31 | 0 34 | 22 55 | 1 3 | 9 35 | 1 36 | 1 31 | 1 40 | 19 22 | 0 43 | 23 50 | 0 34 | 1 41 | 2 5 | 35 23 | 14 39 | 4 39 | 4 10 | 18 41 | | | n.a. |
| F 25 | 16 55 | 16 8 | 5 0 | 13 52 | 0 28 | 22 43 | 1 5 | 9 43 | 1 36 | 1 33 | 1 40 | 19 22 | 0 43 | 23 50 | 0 34 | 1 40 | 2 5 | 35 23 | 14 40 | 4 40 | 4 11 | 18 42 | | | n.a. |
| S 26 | 16 37 | 18 4 | 5 12 | 13 13 | 0 21 | 22 31 | 1 7 | 9 50 | 1 35 | 1 35 | 1 40 | 19 22 | 0 42 | 23 50 | 0 34 | 1 39 | 2 5 | 35 22 | 14 40 | 4 41 | 4 13 | 18 42 | | | n.a. |
| S 27 | 16 19 | 18 51 | 5 4 | 12 34 | 0 15 | 22 18 | 1 8 | 9 58 | 1 34 | 1 37 | 1 41 | 19 22 | 0 42 | 23 49 | 0 34 | 1 39 | 2 5 | 35 22 | 14 40 | 4 42 | 4 14 | 18 42 | | | n.a. |
| M28 | 16 1 | 18 21 | 4 36 | 11 54 | 0 8 | 22 4 | 1 10 | 10 5 | 1 33 | 1 38 | 1 41 | 19 23 | 0 42 | 23 49 | 0 34 | 1 38 | 2 5 | 35 22 | 14 40 | 4 44 | 4 15 | 18 43 | | | n.a. |
| T 29 | 15 42 | 16 37 | 3 50 | 11 14 | 0 1 | 21 50 | 1 11 | 10 13 | 1 32 | 1 40 | 1 41 | 19 23 | 0 42 | 23 49 | 0 34 | 1 37 | 2 4 | 35 22 | 14 40 | 4 46 | 4 16 | 18 43 | | | n.a. |
| W30 | 15 23 | 13 48 | 2 48 | 10 33 | 0s 6 | 21 35 | 1 13 | 10 20 | 1 31 | 1 42 | 1 41 | 19 23 | 0 42 | 23 48 | 0 34 | 1 36 | 2 4 | 35 21 | 14 41 | 4 47 | 4 18 | 18 43 | | | n.a. |
| T 31 | 15n 4 | 10s10 | 1n37 | 9n53 | 0s13 | 21n19 | 1n14 | 10n26 | 1s30 | 1s44 | 1s41 | 19s24 | 0n42 | 23n48 | 0n34 | 1n36 | 2n 4 | 35n21 | 14n41 | 4n48 | 4n19 | 18n44 | | | n.a. |

Julian Day Number = 995883.5, Delta T = 12h56m58s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'36, Lahiri = -31°20'36 Julian Calendar 1 Aug. 1987 BCE == Greg. Calendar 15 July 1987 BCE

The year -1986 astronomical counting style corresponds to year 1987 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## SEPTEMBER 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 32 23 | 21♌ 6'13 | 14♓ 6 | 5♍57 | 3♌13 | 0♉42 | 29°R26 | 27♏51 | 13♋22 | 0♎46 | 27♋50 | 18°D 3 | 19♍15 | 25♊37 | n.a. | F 1 |
| S 2 | 21 36 19 | 22° 5'58 | 27°46 | 7°28 | 4°28 | 0°58 | 29♓21 | 27°53 | 13°25 | 0°48 | 27°53 | 18♍ 4 | 19°12 | 25°43 | n.a. | S 2 |
| S 3 | 21 40 16 | 23° 5'45 | 11♈ 2 | 8°58 | 5°43 | 1°13 | 29°16 | 27°54 | 13°28 | 0°50 | 27°55 | 18° 5 | 19° 9 | 25°50 | n.a. | S 3 |
| M 4 | 21 44 13 | 24° 5'35 | 23°55 | 10°28 | 6°58 | 1°27 | 29°11 | 27°55 | 13°31 | 0°52 | 27°57 | 18° 6 | 19° 5 | 25°57 | n.a. | M 4 |
| T 5 | 21 48 9 | 25° 5'28 | 6♉26 | 11°56 | 8°13 | 1°41 | 29° 5 | 27°57 | 13°34 | 0°54 | 27°59 | 18° 8 | 19° 2 | 26° 3 | n.a. | T 5 |
| W 6 | 21 52 6 | 26° 5'23 | 18°41 | 13°24 | 9°28 | 1°55 | 29° 0 | 27°59 | 13°37 | 0°56 | 28° 1 | 18° 9 | 18°59 | 26°10 | n.a. | W 6 |
| T 7 | 21 56 2 | 27° 5'20 | 0♊43 | 14°52 | 10°43 | 2° 7 | 28°54 | 28° 0 | 13°40 | 0°58 | 28° 3 | 18°R 9 | 18°56 | 26°17 | n.a. | T 7 |
| F 8 | 21 59 59 | 28° 5'20 | 12°38 | 16°18 | 11°59 | 2°20 | 28°48 | 28° 2 | 13°43 | 1° 0 | 28° 5 | 18° 8 | 18°53 | 26°24 | n.a. | F 8 |
| S 9 | 22 3 55 | 29° 5'22 | 24°30 | 17°44 | 13°14 | 2°31 | 28°42 | 28° 4 | 13°46 | 1° 2 | 28° 7 | 18° 7 | 18°49 | 26°30 | n.a. | S 9 |
| S 10 | 22 7 52 | 0♍ 5'26 | 6♋24 | 19° 9 | 14°29 | 2°42 | 28°35 | 28° 6 | 13°49 | 1° 3 | 28° 9 | 18° 4 | 18°46 | 26°37 | n.a. | S 10 |
| M11 | 22 11 48 | 1° 5'32 | 18°23 | 20°34 | 15°44 | 2°52 | 28°29 | 28° 9 | 13°52 | 1° 6 | 28°10 | 18° 2 | 18°43 | 26°44 | n.a. | M11 |
| T 12 | 22 15 45 | 2° 5'41 | 0♌30 | 21°57 | 17° 0 | 3° 1 | 28°22 | 28°11 | 13°55 | 1° 8 | 28°12 | 17°59 | 18°40 | 26°51 | n.a. | T 12 |
| W13 | 22 19 41 | 3° 5'52 | 12°48 | 23°20 | 18°15 | 3°10 | 28°16 | 28°13 | 13°58 | 1°10 | 28°14 | 17°57 | 18°37 | 26°57 | n.a. | W13 |
| T 14 | 22 23 38 | 4° 6'05 | 25°18 | 24°42 | 19°30 | 3°18 | 28° 9 | 28°16 | 14° 1 | 1°12 | 28°16 | 17°55 | 18°34 | 27° 4 | n.a. | T 14 |
| F 15 | 22 27 35 | 5° 6'20 | 8♍ 2 | 26° 2 | 20°46 | 3°25 | 28° 2 | 28°18 | 14° 3 | 1°14 | 28°18 | 17°54 | 18°30 | 27°11 | n.a. | F 15 |
| S 16 | 22 31 31 | 6° 6'37 | 21° 0 | 27°22 | 22° 1 | 3°31 | 27°55 | 28°21 | 14° 6 | 1°16 | 28°20 | 17°D54 | 18°27 | 27°17 | n.a. | S 16 |
| S 17 | 22 35 28 | 7° 6'56 | 4♎10 | 28°40 | 23°17 | 3°37 | 27°48 | 28°24 | 14° 9 | 1°18 | 28°22 | 17°54 | 18°24 | 27°24 | n.a. | S 17 |
| M18 | 22 39 24 | 8° 7'17 | 17°34 | 29°57 | 24°32 | 3°42 | 27°41 | 28°26 | 14°11 | 1°20 | 28°23 | 17°55 | 18°21 | 27°31 | n.a. | M18 |
| T 19 | 22 43 21 | 9° 7'39 | 1♏10 | 1♎13 | 25°47 | 3°46 | 27°33 | 28°29 | 14°14 | 1°22 | 28°25 | 17°56 | 18°18 | 27°38 | n.a. | T 19 |
| W20 | 22 47 17 | 10° 8'03 | 14°57 | 2°27 | 27° 3 | 3°49 | 27°26 | 28°32 | 14°16 | 1°24 | 28°27 | 17°57 | 18°15 | 27°44 | n.a. | W20 |
| T 21 | 22 51 14 | 11° 8'29 | 28°54 | 3°39 | 28°18 | 3°52 | 27°18 | 28°35 | 14°19 | 1°26 | 28°29 | 17°57 | 18°11 | 27°51 | n.a. | T 21 |
| F 22 | 22 55 10 | 12° 8'56 | 13♐ 1 | 4°50 | 29°34 | 3°54 | 27°11 | 28°39 | 14°21 | 1°29 | 28°30 | 17°R57 | 18° 8 | 27°58 | n.a. | F 22 |
| S 23 | 22 59 7 | 13° 9'25 | 27°14 | 5°58 | 0♍49 | 3°54 | 27° 3 | 28°42 | 14°24 | 1°31 | 28°32 | 17°57 | 18° 5 | 28° 4 | n.a. | S 23 |
| S 24 | 23 3 3 | 14° 9'55 | 11♑33 | 7° 4 | 2° 5 | 3°R55 | 26°55 | 28°45 | 14°26 | 1°33 | 28°34 | 17°57 | 18° 2 | 28°11 | n.a. | S 24 |
| M25 | 23 7 0 | 15°10'27 | 25°53 | 8° 8 | 3°21 | 3°54 | 26°47 | 28°49 | 14°28 | 1°35 | 28°36 | 17°56 | 17°59 | 28°18 | n.a. | M25 |
| T 26 | 23 10 57 | 16°11'00 | 10♒10 | 9° 8 | 4°36 | 3°52 | 26°39 | 28°52 | 14°31 | 1°37 | 28°37 | 17°56 | 17°55 | 28°25 | n.a. | T 26 |
| W27 | 23 14 53 | 17°11'35 | 24°22 | 10° 5 | 5°52 | 3°50 | 26°31 | 28°56 | 14°33 | 1°39 | 28°39 | 17°56 | 17°52 | 28°31 | n.a. | W27 |
| T 28 | 23 18 50 | 18°12'11 | 8♓23 | 10°58 | 7° 7 | 3°47 | 26°23 | 29° 0 | 14°35 | 1°42 | 28°40 | 17°D56 | 17°49 | 28°38 | n.a. | T 28 |
| F 29 | 23 22 46 | 19°12'49 | 22° 9 | 11°47 | 8°23 | 3°42 | 26°15 | 29° 3 | 14°37 | 1°44 | 28°42 | 17°R56 | 17°46 | 28°45 | n.a. | F 29 |
| S 30 | 23 26 43 | 20♍13'29 | 5♈39 | 12♎31 | 9♍39 | 3♉37 | 26♓ 7 | 29♏ 7 | 14♋39 | 1♎46 | 28♋43 | 17♍56 | 17♍43 | 28♊52 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| F 1 | 14n45 | 6s 3 | 0n22 | 9n12 | 0s20 | 21n 3 | 1n16 | 10n33 | 1s30 | 1s46 | 1s41 | 19s24 | 0n42 | 23n48 | 0n34 | 1n35 | 2n 4 | 35n21 | 14n41 | 4n49 | 4n20 | 18n44 | | | n.a. |
| S 2 | 14 25 | 1 43 | 0s53 | 8 32 | 0 27 | 20 46 | 1 17 | 10 40 | 1 29 | 1 49 | 1 42 | 19 25 | 0 41 | 23 48 | 0 34 | 1 34 | 2 4 | 35 21 | 14 41 | 4 49 | 4 22 | 18 44 | | | n.a. |
| S 3 | 14 5 | 2n34 | 2 3 | 7 51 | 0 34 | 20 29 | 1 18 | 10 46 | 1 28 | 1 51 | 1 42 | 19 25 | 0 41 | 23 47 | 0 34 | 1 33 | 2 4 | 35 20 | 14 41 | 4 48 | 4 23 | 18 45 | | | n.a. |
| M 4 | 13 45 | 6 36 | 3 5 | 7 10 | 0 41 | 20 10 | 1 19 | 10 52 | 1 27 | 1 53 | 1 42 | 19 26 | 0 41 | 23 47 | 0 34 | 1 33 | 2 4 | 35 20 | 14 42 | 4 48 | 4 24 | 18 45 | | | n.a. |
| T 5 | 13 25 | 10 14 | 3 56 | 6 29 | 0 48 | 19 52 | 1 20 | 10 58 | 1 26 | 1 56 | 1 42 | 19 26 | 0 41 | 23 47 | 0 34 | 1 32 | 2 4 | 35 20 | 14 42 | 4 47 | 4 25 | 18 45 | | | n.a. |
| W 6 | 13 4 | 13 20 | 4 35 | 5 49 | 0 54 | 19 32 | 1 21 | 11 3 | 1 25 | 1 58 | 1 42 | 19 27 | 0 41 | 23 46 | 0 34 | 1 31 | 2 4 | 35 20 | 14 42 | 4 47 | 4 27 | 18 46 | | | n.a. |
| T 7 | 12 44 | 15 49 | 5 1 | 5 8 | 1 1 | 19 12 | 1 22 | 11 9 | 1 24 | 2 0 | 1 42 | 19 27 | 0 41 | 23 46 | 0 34 | 1 30 | 2 4 | 35 20 | 14 43 | 4 47 | 4 28 | 18 46 | | | n.a. |
| F 8 | 12 23 | 17 35 | 5 14 | 4 28 | 1 8 | 18 52 | 1 23 | 11 14 | 1 22 | 2 3 | 1 42 | 19 28 | 0 40 | 23 46 | 0 34 | 1 29 | 2 4 | 35 19 | 14 43 | 4 47 | 4 29 | 18 46 | | | n.a. |
| S 9 | 12 1 | 18 35 | 5 13 | 3 47 | 1 15 | 18 31 | 1 24 | 11 19 | 1 21 | 2 6 | 1 43 | 19 28 | 0 40 | 23 46 | 0 34 | 1 28 | 2 4 | 35 19 | 14 43 | 4 48 | 4 30 | 18 47 | | | n.a. |
| S 10 | 11 40 | 18 47 | 4 59 | 3 7 | 1 22 | 18 9 | 1 24 | 11 24 | 1 20 | 2 8 | 1 43 | 19 29 | 0 40 | 23 45 | 0 34 | 1 28 | 2 4 | 35 19 | 14 43 | 4 48 | 4 32 | 18 47 | | | n.a. |
| M11 | 11 18 | 18 8 | 4 32 | 2 28 | 1 28 | 17 47 | 1 25 | 11 29 | 1 19 | 2 11 | 1 43 | 19 30 | 0 40 | 23 45 | 0 34 | 1 27 | 2 4 | 35 19 | 14 44 | 4 50 | 4 33 | 18 47 | | | n.a. |
| T 12 | 10 56 | 16 40 | 3 53 | 1 48 | 1 35 | 17 25 | 1 26 | 11 33 | 1 18 | 2 14 | 1 43 | 19 30 | 0 40 | 23 45 | 0 34 | 1 26 | 2 4 | 35 19 | 14 44 | 4 51 | 4 34 | 18 47 | | | n.a. |
| W13 | 10 34 | 14 24 | 3 2 | 1 9 | 1 41 | 17 2 | 1 26 | 11 37 | 1 16 | 2 16 | 1 43 | 19 31 | 0 40 | 23 44 | 0 34 | 1 25 | 2 4 | 35 19 | 14 44 | 4 52 | 4 35 | 18 48 | | | n.a. |
| T 14 | 10 12 | 11 26 | 2 2 | 0 30 | 1 48 | 16 38 | 1 27 | 11 41 | 1 15 | 2 19 | 1 43 | 19 32 | 0 40 | 23 44 | 0 34 | 1 24 | 2 4 | 35 19 | 14 45 | 4 52 | 4 37 | 18 48 | | | n.a. |
| F 15 | 9 50 | 7 53 | 0 54 | 0s 8 | 1 54 | 16 14 | 1 27 | 11 45 | 1 14 | 2 22 | 1 43 | 19 32 | 0 39 | 23 44 | 0 34 | 1 23 | 2 4 | 35 18 | 14 45 | 4 53 | 4 38 | 18 48 | | | n.a. |
| S 16 | 9 27 | 3 54 | 0n17 | 0 45 | 2 0 | 15 49 | 1 27 | 11 48 | 1 13 | 2 25 | 1 43 | 19 33 | 0 39 | 23 44 | 0 34 | 1 22 | 2 4 | 35 18 | 14 45 | 4 53 | 4 39 | 18 49 | | | n.a. |
| S 17 | 9 4 | 0s20 | 1 29 | 1 22 | 2 5 | 15 24 | 1 27 | 11 52 | 1 11 | 2 28 | 1 43 | 19 34 | 0 39 | 23 43 | 0 34 | 1 22 | 2 4 | 35 18 | 14 46 | 4 52 | 4 41 | 18 49 | | | n.a. |
| M18 | 8 41 | 4 37 | 2 37 | 1 59 | 2 11 | 14 59 | 1 28 | 11 55 | 1 10 | 2 31 | 1 43 | 19 35 | 0 39 | 23 43 | 0 35 | 1 21 | 2 4 | 35 18 | 14 46 | 4 52 | 4 42 | 18 49 | | | n.a. |
| T 19 | 8 18 | 8 43 | 3 38 | 2 34 | 2 16 | 14 33 | 1 28 | 11 57 | 1 8 | 2 34 | 1 43 | 19 36 | 0 39 | 23 43 | 0 35 | 1 20 | 2 4 | 35 18 | 14 46 | 4 52 | 4 43 | 18 49 | | | n.a. |
| W20 | 7 55 | 12 25 | 4 26 | 3 9 | 2 21 | 14 7 | 1 28 | 12 0 | 1 7 | 2 37 | 1 44 | 19 36 | 0 39 | 23 43 | 0 35 | 1 19 | 2 4 | 35 18 | 14 47 | 4 51 | 4 44 | 18 50 | | | n.a. |
| T 21 | 7 32 | 15 26 | 5 0 | 3 42 | 2 26 | 13 40 | 1 28 | 12 2 | 1 5 | 2 40 | 1 44 | 19 37 | 0 39 | 23 42 | 0 35 | 1 18 | 2 4 | 35 18 | 14 47 | 4 51 | 4 46 | 18 50 | | | n.a. |
| F 22 | 7 8 | 17 35 | 5 16 | 4 15 | 2 30 | 13 13 | 1 28 | 12 4 | 1 4 | 2 43 | 1 44 | 19 38 | 0 38 | 23 42 | 0 35 | 1 17 | 2 4 | 35 18 | 14 47 | 4 51 | 4 47 | 18 50 | | | n.a. |
| S 23 | 6 45 | 18 40 | 5 13 | 4 46 | 2 34 | 12 46 | 1 28 | 12 6 | 1 2 | 2 47 | 1 44 | 19 39 | 0 38 | 23 42 | 0 35 | 1 16 | 2 4 | 35 18 | 14 48 | 4 51 | 4 48 | 18 50 | | | n.a. |
| S 24 | 6 21 | 18 35 | 4 51 | 5 16 | 2 38 | 12 18 | 1 27 | 12 8 | 1 1 | 2 50 | 1 44 | 19 40 | 0 38 | 23 42 | 0 35 | 1 15 | 2 4 | 35 18 | 14 48 | 4 51 | 4 49 | 18 51 | | | n.a. |
| M25 | 5 57 | 17 18 | 4 10 | 5 44 | 2 41 | 11 50 | 1 27 | 12 9 | 0 59 | 2 53 | 1 44 | 19 41 | 0 38 | 23 42 | 0 35 | 1 14 | 2 4 | 35 18 | 14 49 | 4 52 | 4 51 | 18 51 | | | n.a. |
| T 26 | 5 33 | 14 56 | 3 15 | 6 11 | 2 43 | 11 21 | 1 27 | 12 10 | 0 57 | 2 56 | 1 44 | 19 42 | 0 38 | 23 41 | 0 35 | 1 14 | 2 4 | 35 18 | 14 49 | 4 52 | 4 52 | 18 51 | | | n.a. |
| W27 | 5 9 | 11 40 | 2 7 | 6 35 | 2 45 | 10 53 | 1 26 | 12 11 | 0 55 | 2 59 | 1 44 | 19 43 | 0 38 | 23 41 | 0 35 | 1 13 | 2 4 | 35 18 | 14 49 | 4 52 | 4 53 | 18 51 | | | n.a. |
| T 28 | 4 45 | 7 47 | 0 53 | 6 58 | 2 46 | 10 23 | 1 26 | 12 11 | 0 54 | 3 3 | 1 44 | 19 44 | 0 38 | 23 41 | 0 35 | 1 12 | 2 4 | 35 18 | 14 50 | 4 52 | 4 54 | 18 52 | | | n.a. |
| F 29 | 4 21 | 3 32 | 0s23 | 7 18 | 2 47 | 9 54 | 1 25 | 12 12 | 0 52 | 3 6 | 1 44 | 19 44 | 0 37 | 23 41 | 0 35 | 1 11 | 2 3 | 35 18 | 14 50 | 4 52 | 4 56 | 18 52 | | | n.a. |
| S 30 | 3n57 | 0n49 | 1s37 | 7s35 | 2s46 | 9n25 | 1n25 | 12n12 | 0s50 | 3s 9 | 1s44 | 19s45 | 0n37 | 23n41 | 0n35 | 1n10 | 2n 3 | 35n18 | 14n51 | 4n52 | 4n57 | 18n52 | | | n.a. |

Julian Day Number = 995914.5, Delta T = 12h56m56s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'32, Lahiri = -31°20'31 Julian Calendar 1 Sept. 1987 BCE == Greg. Calendar 15 Aug. 1987 BCE


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## OCTOBER 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 30 39 | 21♍14'10 | 18♈49 | 13♎10 | 10♍54 | 3°R32 | 25°R59 | 29♏11 | 14♋41 | 1♎48 | 28♋45 | 17°R56 | 17♍40 | 28♊58 | n.a. | S 1 |
| M 2 | 23 34 36 | 22°14'53 | 1♉40 | 13°43 | 12°10 | 3♉25 | 25♓51 | 29°15 | 14°43 | 1°51 | 28°46 | 17♍55 | 17°36 | 29° 5 | n.a. | M 2 |
| T 3 | 23 38 32 | 23°15'38 | 14°12 | 14° 9 | 13°25 | 3°17 | 25°43 | 29°19 | 14°45 | 1°53 | 28°48 | 17°55 | 17°33 | 29°12 | n.a. | T 3 |
| W 4 | 23 42 29 | 24°16'24 | 26°29 | 14°28 | 14°41 | 3° 9 | 25°35 | 29°24 | 14°47 | 1°55 | 28°49 | 17°54 | 17°30 | 29°18 | n.a. | W 4 |
| T 5 | 23 46 26 | 25°17'13 | 8♊34 | 14°39 | 15°57 | 3° 0 | 25°26 | 29°28 | 14°49 | 1°57 | 28°51 | 17°53 | 17°27 | 29°25 | n.a. | T 5 |
| F 6 | 23 50 22 | 26°18'03 | 20°30 | 14°R41 | 17°12 | 2°49 | 25°18 | 29°32 | 14°51 | 1°59 | 28°52 | 17°53 | 17°24 | 29°32 | n.a. | F 6 |
| S 7 | 23 54 19 | 27°18'55 | 2♋23 | 14°33 | 18°28 | 2°38 | 25°10 | 29°37 | 14°52 | 2° 2 | 28°54 | 17°D53 | 17°20 | 29°39 | n.a. | S 7 |
| S 8 | 23 58 15 | 28°19'48 | 14°16 | 14°15 | 19°44 | 2°27 | 25° 2 | 29°41 | 14°54 | 2° 4 | 28°55 | 17°53 | 17°17 | 29°45 | n.a. | S 8 |
| M 9 | 0 2 12 | 29°20'44 | 26°15 | 13°46 | 20°59 | 2°14 | 24°54 | 29°46 | 14°56 | 2° 6 | 28°56 | 17°54 | 17°14 | 29°52 | n.a. | M 9 |
| T 10 | 0 6 8 | 0♎21'40 | 8♌24 | 13° 7 | 22°15 | 2° 0 | 24°46 | 29°51 | 14°57 | 2° 9 | 28°57 | 17°55 | 17°11 | 29°59 | n.a. | T 10 |
| W11 | 0 10 5 | 1°22'39 | 20°47 | 12°17 | 23°31 | 1°46 | 24°37 | 29°55 | 14°59 | 2°11 | 28°59 | 17°57 | 17° 8 | 0♋ 5 | n.a. | W11 |
| T 12 | 0 14 1 | 2°23'38 | 3♍27 | 11°18 | 24°47 | 1°31 | 24°29 | 0♐ 0 | 15° 0 | 2°13 | 29° 0 | 17°58 | 17° 5 | 0°12 | n.a. | T 12 |
| F 13 | 0 17 58 | 3°24'39 | 16°26 | 10°10 | 26° 2 | 1°15 | 24°21 | 0° 5 | 15° 2 | 2°15 | 29° 1 | 17°R58 | 17° 1 | 0°19 | n.a. | F 13 |
| S 14 | 0 21 55 | 4°25'42 | 29°44 | 8°54 | 27°18 | 0°58 | 24°13 | 0°10 | 15° 3 | 2°18 | 29° 2 | 17°58 | 16°58 | 0°26 | n.a. | S 14 |
| S 15 | 0 25 51 | 5°26'45 | 13♎21 | 7°34 | 28°34 | 0°41 | 24° 6 | 0°15 | 15° 4 | 2°20 | 29° 3 | 17°56 | 16°55 | 0°32 | n.a. | S 15 |
| M16 | 0 29 48 | 6°27'50 | 27°13 | 6°12 | 29°49 | 0°23 | 23°58 | 0°20 | 15° 6 | 2°22 | 29° 5 | 17°54 | 16°52 | 0°39 | n.a. | M16 |
| T 17 | 0 33 44 | 7°28'56 | 11♏17 | 4°50 | 1♎ 5 | 0° 4 | 23°50 | 0°25 | 15° 7 | 2°24 | 29° 6 | 17°52 | 16°49 | 0°46 | n.a. | T 17 |
| W18 | 0 37 41 | 8°30'02 | 25°30 | 3°32 | 2°21 | 29♈45 | 23°42 | 0°31 | 15° 8 | 2°27 | 29° 7 | 17°49 | 16°46 | 0°52 | n.a. | W18 |
| T 19 | 0 41 37 | 9°31'10 | 9♐47 | 2°19 | 3°37 | 29°25 | 23°35 | 0°36 | 15° 9 | 2°29 | 29° 8 | 17°46 | 16°42 | 0°59 | n.a. | T 19 |
| F 20 | 0 45 34 | 10°32'18 | 24° 3 | 1°14 | 4°52 | 29° 5 | 23°27 | 0°41 | 15°10 | 2°31 | 29° 9 | 17°44 | 16°39 | 1° 6 | n.a. | F 20 |
| S 21 | 0 49 30 | 11°33'27 | 8♑17 | 0°19 | 6° 8 | 28°44 | 23°20 | 0°47 | 15°11 | 2°33 | 29°10 | 17°D43 | 16°36 | 1°13 | n.a. | S 21 |
| S 22 | 0 53 27 | 12°34'37 | 22°24 | 29♍35 | 7°24 | 28°22 | 23°12 | 0°52 | 15°12 | 2°36 | 29°11 | 17°44 | 16°33 | 1°19 | n.a. | S 22 |
| M23 | 0 57 24 | 13°35'47 | 6♒25 | 29° 2 | 8°39 | 28° 0 | 23° 5 | 0°58 | 15°13 | 2°38 | 29°11 | 17°45 | 16°30 | 1°26 | n.a. | M23 |
| T 24 | 1 1 20 | 14°36'58 | 20°17 | 28°40 | 9°55 | 27°38 | 22°58 | 1° 3 | 15°14 | 2°40 | 29°12 | 17°46 | 16°26 | 1°33 | n.a. | T 24 |
| W25 | 1 5 17 | 15°38'09 | 3♓59 | 28°D30 | 11°11 | 27°15 | 22°51 | 1° 9 | 15°15 | 2°42 | 29°13 | 17°48 | 16°23 | 1°40 | n.a. | W25 |
| T 26 | 1 9 13 | 16°39'20 | 17°31 | 28°30 | 12°26 | 26°52 | 22°44 | 1°15 | 15°15 | 2°44 | 29°14 | 17°R48 | 16°20 | 1°46 | n.a. | T 26 |
| F 27 | 1 13 10 | 17°40'33 | 0♈52 | 28°40 | 13°42 | 26°29 | 22°37 | 1°21 | 15°16 | 2°47 | 29°15 | 17°48 | 16°17 | 1°53 | n.a. | F 27 |
| S 28 | 1 17 6 | 18°41'46 | 14° 1 | 29° 0 | 14°58 | 26° 5 | 22°31 | 1°27 | 15°17 | 2°49 | 29°15 | 17°45 | 16°14 | 2° 0 | n.a. | S 28 |
| S 29 | 1 21 3 | 19°42'59 | 26°56 | 29°27 | 16°13 | 25°42 | 22°24 | 1°32 | 15°17 | 2°51 | 29°16 | 17°41 | 16°11 | 2° 6 | n.a. | S 29 |
| M30 | 1 24 59 | 20°44'13 | 9♉37 | 0♎ 2 | 17°29 | 25°18 | 22°18 | 1°38 | 15°18 | 2°53 | 29°17 | 17°36 | 16° 7 | 2°13 | n.a. | M30 |
| T 31 | 1 28 56 | 21♎45'28 | 22♉ 5 | 0♎44 | 18♎45 | 24♈54 | 22♓12 | 1♐44 | 15♋18 | 2♎55 | 29♋17 | 17♍30 | 16♍ 4 | 2♋20 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 3n33 | 5n 0 | 2s43 | 7s50 | 2s45 | 8n55 | 1n24 | 12n11 | 0s48 | 3s12 | 1s44 | 19s47 | 0n37 | 23n40 | 0n35 | 1n 9 | 2n 3 | 35n18 | 14n51 | 4n52 | 4n58 | 18n52 | | | n.a. |
| M 2 | 3 8 | 8 52 | 3 40 | 8 1 | 2 43 | 8 25 | 1 23 | 12 11 | 0 46 | 3 16 | 1 43 | 19 48 | 0 37 | 23 40 | 0 35 | 1 8 | 2 3 | 35 18 | 14 52 | 4 52 | 5 0 | 18 52 | | | n.a. |
| T 3 | 2 44 | 12 14 | 4 24 | 8 8 | 2 39 | 7 54 | 1 22 | 12 10 | 0 44 | 3 19 | 1 43 | 19 49 | 0 37 | 23 40 | 0 35 | 1 7 | 2 3 | 35 18 | 14 52 | 4 52 | 5 1 | 18 53 | | | n.a. |
| W 4 | 2 19 | 14 59 | 4 55 | 8 11 | 2 35 | 7 24 | 1 21 | 12 9 | 0 42 | 3 22 | 1 43 | 19 50 | 0 37 | 23 40 | 0 35 | 1 6 | 2 3 | 35 18 | 14 52 | 4 53 | 5 2 | 18 53 | | | n.a. |
| T 5 | 1 55 | 17 2 | 5 13 | 8 10 | 2 29 | 6 53 | 1 20 | 12 8 | 0 40 | 3 25 | 1 43 | 19 51 | 0 37 | 23 40 | 0 35 | 1 5 | 2 3 | 35 19 | 14 53 | 4 53 | 5 3 | 18 53 | | | n.a. |
| F 6 | 1 30 | 18 19 | 5 17 | 8 3 | 2 21 | 6 22 | 1 19 | 12 6 | 0 38 | 3 29 | 1 43 | 19 52 | 0 37 | 23 39 | 0 35 | 1 4 | 2 3 | 35 19 | 14 53 | 4 53 | 5 5 | 18 53 | | | n.a. |
| S 7 | 1 5 | 18 47 | 5 7 | 7 52 | 2 12 | 5 51 | 1 18 | 12 4 | 0 36 | 3 32 | 1 43 | 19 53 | 0 36 | 23 39 | 0 35 | 1 3 | 2 3 | 35 19 | 14 54 | 4 53 | 5 6 | 18 54 | | | n.a. |
| S 8 | 0 41 | 18 26 | 4 44 | 7 35 | 2 1 | 5 20 | 1 17 | 12 2 | 0 34 | 3 35 | 1 43 | 19 54 | 0 36 | 23 39 | 0 35 | 1 3 | 2 3 | 35 19 | 14 54 | 4 53 | 5 7 | 18 54 | | | n.a. |
| M 9 | 0 16 | 17 15 | 4 9 | 7 12 | 1 49 | 4 48 | 1 16 | 12 0 | 0 32 | 3 38 | 1 43 | 19 55 | 0 36 | 23 39 | 0 35 | 1 2 | 2 3 | 35 19 | 14 55 | 4 52 | 5 8 | 18 54 | | | n.a. |
| T 10 | 0s 9 | 15 17 | 3 22 | 6 44 | 1 35 | 4 17 | 1 15 | 11 57 | 0 29 | 3 41 | 1 43 | 19 56 | 0 36 | 23 39 | 0 35 | 1 1 | 2 3 | 35 19 | 14 55 | 4 52 | 5 10 | 18 54 | | | n.a. |
| W11 | 0 34 | 12 34 | 2 25 | 6 9 | 1 19 | 3 45 | 1 14 | 11 54 | 0 27 | 3 44 | 1 43 | 19 57 | 0 36 | 23 39 | 0 35 | 1 0 | 2 3 | 35 19 | 14 56 | 4 52 | 5 11 | 18 54 | | | n.a. |
| T 12 | 0 58 | 9 12 | 1 19 | 5 29 | 1 1 | 3 13 | 1 12 | 11 51 | 0 25 | 3 48 | 1 42 | 19 59 | 0 36 | 23 39 | 0 35 | 0 59 | 2 3 | 35 20 | 14 56 | 4 51 | 5 12 | 18 55 | | | n.a. |
| F 13 | 1 23 | 5 20 | 0 8 | 4 45 | 0 42 | 2 41 | 1 11 | 11 48 | 0 22 | 3 51 | 1 42 | 20 0 | 0 36 | 23 38 | 0 35 | 0 58 | 2 3 | 35 20 | 14 57 | 4 51 | 5 13 | 18 55 | | | n.a. |
| S 14 | 1 48 | 1 5 | 1n 5 | 3 56 | 0 22 | 2 9 | 1 10 | 11 44 | 0 20 | 3 54 | 1 42 | 20 1 | 0 36 | 23 38 | 0 35 | 0 57 | 2 3 | 35 20 | 14 57 | 4 51 | 5 15 | 18 55 | | | n.a. |
| S 15 | 2 12 | 3s18 | 2 16 | 3 5 | 0 2 | 1 37 | 1 8 | 11 40 | 0 18 | 3 57 | 1 42 | 20 2 | 0 35 | 23 38 | 0 36 | 0 56 | 2 3 | 35 20 | 14 58 | 4 52 | 5 16 | 18 55 | | | n.a. |
| M16 | 2 37 | 7 35 | 3 20 | 2 13 | 0n19 | 1 5 | 1 7 | 11 36 | 0 15 | 4 0 | 1 42 | 20 3 | 0 35 | 23 38 | 0 36 | 0 55 | 2 3 | 35 20 | 14 58 | 4 52 | 5 17 | 18 55 | | | n.a. |
| T 17 | 3 2 | 11 31 | 4 13 | 1 22 | 0 39 | 0 33 | 1 5 | 11 31 | 0 13 | 4 3 | 1 42 | 20 5 | 0 35 | 23 38 | 0 36 | 0 54 | 2 3 | 35 21 | 14 58 | 4 53 | 5 18 | 18 55 | | | n.a. |
| W18 | 3 26 | 14 49 | 4 51 | 0 32 | 0 59 | 0 1 | 1 3 | 11 27 | 0 10 | 4 6 | 1 42 | 20 6 | 0 35 | 23 38 | 0 36 | 0 53 | 2 3 | 35 21 | 14 59 | 4 55 | 5 20 | 18 56 | | | n.a. |
| T 19 | 3 51 | 17 14 | 5 12 | 0n14 | 1 17 | 0s31 | 1 2 | 11 22 | 0 8 | 4 9 | 1 41 | 20 7 | 0 35 | 23 38 | 0 36 | 0 53 | 2 3 | 35 21 | 14 59 | 4 56 | 5 21 | 18 56 | | | n.a. |
| F 20 | 4 15 | 18 35 | 5 13 | 0 55 | 1 34 | 1 4 | 1 0 | 11 17 | 0 5 | 4 12 | 1 41 | 20 8 | 0 35 | 23 38 | 0 36 | 0 52 | 2 3 | 35 21 | 15 0 | 4 56 | 5 22 | 18 56 | | | n.a. |
| S 21 | 4 40 | 18 45 | 4 55 | 1 31 | 1 48 | 1 36 | 0 58 | 11 12 | 0 3 | 4 14 | 1 41 | 20 10 | 0 35 | 23 38 | 0 36 | 0 51 | 2 3 | 35 22 | 15 1 | 4 57 | 5 24 | 18 56 | | | n.a. |
| S 22 | 5 4 | 17 45 | 4 19 | 2 1 | 2 1 | 2 8 | 0 56 | 11 6 | 0 0 | 4 17 | 1 41 | 20 11 | 0 35 | 23 38 | 0 36 | 0 50 | 2 3 | 35 22 | 15 1 | 4 57 | 5 25 | 18 56 | | | n.a. |
| M23 | 5 28 | 15 41 | 3 28 | 2 24 | 2 12 | 2 40 | 0 55 | 11 0 | 0n 2 | 4 20 | 1 41 | 20 12 | 0 34 | 23 38 | 0 36 | 0 49 | 2 3 | 35 22 | 15 2 | 4 56 | 5 26 | 18 56 | | | n.a. |
| T 24 | 5 52 | 12 43 | 2 25 | 2 41 | 2 21 | 3 12 | 0 53 | 10 55 | 0 5 | 4 23 | 1 40 | 20 13 | 0 34 | 23 38 | 0 36 | 0 48 | 2 3 | 35 23 | 15 2 | 4 56 | 5 27 | 18 57 | | | n.a. |
| W25 | 6 16 | 9 5 | 1 15 | 2 51 | 2 27 | 3 44 | 0 51 | 10 49 | 0 7 | 4 25 | 1 40 | 20 15 | 0 34 | 23 37 | 0 36 | 0 47 | 2 3 | 35 23 | 15 3 | 4 55 | 5 29 | 18 57 | | | n.a. |
| T 26 | 6 40 | 5 0 | 0 2 | 2 56 | 2 33 | 4 16 | 0 49 | 10 43 | 0 10 | 4 28 | 1 40 | 20 16 | 0 34 | 23 37 | 0 36 | 0 46 | 2 4 | 35 23 | 15 3 | 4 55 | 5 30 | 18 57 | | | n.a. |
| F 27 | 7 4 | 0 44 | 1s11 | 2 55 | 2 36 | 4 48 | 0 47 | 10 36 | 0 12 | 4 30 | 1 40 | 20 17 | 0 34 | 23 37 | 0 36 | 0 45 | 2 4 | 35 23 | 15 4 | 4 55 | 5 31 | 18 57 | | | n.a. |
| S 28 | 7 28 | 3n31 | 2 19 | 2 49 | 2 38 | 5 19 | 0 45 | 10 30 | 0 15 | 4 33 | 1 39 | 20 19 | 0 34 | 23 37 | 0 36 | 0 45 | 2 4 | 35 24 | 15 4 | 4 56 | 5 32 | 18 57 | | | n.a. |
| S 29 | 7 52 | 7 31 | 3 18 | 2 38 | 2 39 | 5 51 | 0 43 | 10 24 | 0 17 | 4 35 | 1 39 | 20 20 | 0 34 | 23 37 | 0 36 | 0 44 | 2 4 | 35 24 | 15 5 | 4 58 | 5 34 | 18 57 | | | n.a. |
| M30 | 8 15 | 11 6 | 4 6 | 2 24 | 2 38 | 6 22 | 0 41 | 10 17 | 0 20 | 4 37 | 1 39 | 20 21 | 0 34 | 23 37 | 0 36 | 0 43 | 2 4 | 35 25 | 15 5 | 5 0 | 5 35 | 18 57 | | | n.a. |
| T 31 | 8s39 | 14n 8 | 4s41 | 2n 5 | 2n37 | 6s54 | 0n39 | 10n11 | 0n22 | 4s40 | 1s39 | 20s23 | 0n34 | 23n37 | 0n36 | 0n42 | 2n 4 | 35n25 | 15n 6 | 5n 2 | 5n36 | 18n58 | | | n.a. |

Julian Day Number = 995944.5, Delta T = 12h56m54s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'28, Lahiri = -31°20'27 Julian Calendar 1 Oct. 1987 BCE == Greg. Calendar 14 Sept. 1987 BCE


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## NOVEMBER 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 32 53 | 22♎46'44 | 4♊20 | 1♎32 | 20♎ 0 | 24°R30 | 22°R 6 | 1♐50 | 15♋18 | 2♎58 | 29♋18 | 17°R23 | 16♍ 1 | 2♋27 | n.a. | W 1 |
| T 2 | 1 36 49 | 23°48'00 | 16°24 | 2°25 | 21°16 | 24♈ 7 | 22♓ 0 | 1°57 | 15°19 | 3° 0 | 29°19 | 17♍17 | 15°58 | 2°33 | n.a. | T 2 |
| F 3 | 1 40 46 | 24°49'17 | 28°19 | 3°22 | 22°31 | 23°43 | 21°54 | 2° 3 | 15°19 | 3° 2 | 29°19 | 17°12 | 15°55 | 2°40 | n.a. | F 3 |
| S 4 | 1 44 42 | 25°50'35 | 10♋11 | 4°24 | 23°47 | 23°19 | 21°48 | 2° 9 | 15°19 | 3° 4 | 29°20 | 17° 9 | 15°52 | 2°47 | n.a. | S 4 |
| S 5 | 1 48 39 | 26°51'53 | 22° 3 | 5°28 | 25° 3 | 22°56 | 21°43 | 2°15 | 15°19 | 3° 6 | 29°20 | 17°D 7 | 15°48 | 2°53 | n.a. | S 5 |
| M 6 | 1 52 35 | 27°53'12 | 4♌ 0 | 6°37 | 26°18 | 22°32 | 21°38 | 2°21 | 15°19 | 3° 8 | 29°21 | 17° 7 | 15°45 | 3° 0 | n.a. | M 6 |
| T 7 | 1 56 32 | 28°54'31 | 16° 6 | 7°47 | 27°34 | 22° 9 | 21°33 | 2°28 | 15°R19 | 3°10 | 29°21 | 17° 9 | 15°42 | 3° 7 | n.a. | T 7 |
| W 8 | 2 0 28 | 29°55'51 | 28°28 | 9° 1 | 28°49 | 21°47 | 21°28 | 2°34 | 15°19 | 3°12 | 29°21 | 17°10 | 15°39 | 3°14 | n.a. | W 8 |
| T 9 | 2 4 25 | 0♏57'12 | 11♍10 | 10°16 | 0♏ 5 | 21°24 | 21°23 | 2°41 | 15°19 | 3°14 | 29°22 | 17°R11 | 15°36 | 3°20 | n.a. | T 9 |
| F 10 | 2 8 22 | 1°58'32 | 24°15 | 11°33 | 1°21 | 21° 2 | 21°18 | 2°47 | 15°19 | 3°16 | 29°22 | 17°11 | 15°32 | 3°27 | n.a. | F 10 |
| S 11 | 2 12 18 | 2°59'53 | 7♎45 | 12°52 | 2°36 | 20°41 | 21°14 | 2°54 | 15°19 | 3°19 | 29°22 | 17° 9 | 15°29 | 3°34 | n.a. | S 11 |
| S 12 | 2 16 15 | 4° 1'15 | 21°39 | 14°12 | 3°52 | 20°20 | 21°10 | 3° 0 | 15°19 | 3°21 | 29°22 | 17° 5 | 15°26 | 3°40 | n.a. | S 12 |
| M13 | 2 20 11 | 5° 2'36 | 5♏56 | 15°33 | 5° 7 | 19°59 | 21° 6 | 3° 7 | 15°18 | 3°23 | 29°23 | 16°59 | 15°23 | 3°47 | n.a. | M13 |
| T 14 | 2 24 8 | 6° 3'57 | 20°30 | 16°55 | 6°23 | 19°40 | 21° 2 | 3°13 | 15°18 | 3°25 | 29°23 | 16°51 | 15°20 | 3°54 | n.a. | T 14 |
| W15 | 2 28 4 | 7° 5'19 | 5♐13 | 18°19 | 7°38 | 19°20 | 20°58 | 3°20 | 15°18 | 3°27 | 29°23 | 16°43 | 15°17 | 4° 1 | n.a. | W15 |
| T 16 | 2 32 1 | 8° 6'40 | 19°58 | 19°43 | 8°54 | 19° 2 | 20°55 | 3°27 | 15°17 | 3°28 | 29°23 | 16°35 | 15°13 | 4° 7 | n.a. | T 16 |
| F 17 | 2 35 58 | 9° 8'01 | 4♑37 | 21° 9 | 10° 9 | 18°43 | 20°52 | 3°34 | 15°17 | 3°30 | 29°23 | 16°28 | 15°10 | 4°14 | n.a. | F 17 |
| S 18 | 2 39 54 | 10° 9'21 | 19° 4 | 22°35 | 11°25 | 18°26 | 20°49 | 3°40 | 15°16 | 3°32 | 29°R23 | 16°24 | 15° 7 | 4°21 | n.a. | S 18 |
| S 19 | 2 43 51 | 11°10'41 | 3♒16 | 24° 1 | 12°40 | 18° 9 | 20°46 | 3°47 | 15°15 | 3°34 | 29°23 | 16°22 | 15° 4 | 4°27 | n.a. | S 19 |
| M20 | 2 47 47 | 12°12'00 | 17°11 | 25°29 | 13°56 | 17°54 | 20°43 | 3°54 | 15°15 | 3°36 | 29°23 | 16°D22 | 15° 1 | 4°34 | n.a. | M20 |
| T 21 | 2 51 44 | 13°13'19 | 0♓50 | 26°56 | 15°11 | 17°38 | 20°41 | 4° 1 | 15°14 | 3°38 | 29°23 | 16°22 | 14°57 | 4°41 | n.a. | T 21 |
| W22 | 2 55 40 | 14°14'37 | 14°13 | 28°25 | 16°27 | 17°24 | 20°39 | 4° 8 | 15°13 | 3°40 | 29°23 | 16°R23 | 14°54 | 4°48 | n.a. | W22 |
| T 23 | 2 59 37 | 15°15'54 | 27°22 | 29°54 | 17°42 | 17°10 | 20°36 | 4°15 | 15°12 | 3°42 | 29°23 | 16°23 | 14°51 | 4°54 | n.a. | T 23 |
| F 24 | 3 3 34 | 16°17'11 | 10♈19 | 1♏23 | 18°57 | 16°57 | 20°35 | 4°21 | 15°11 | 3°43 | 29°22 | 16°20 | 14°48 | 5° 1 | n.a. | F 24 |
| S 25 | 3 7 30 | 17°18'27 | 23° 6 | 2°53 | 20°13 | 16°45 | 20°33 | 4°28 | 15°10 | 3°45 | 29°22 | 16°14 | 14°45 | 5° 8 | n.a. | S 25 |
| S 26 | 3 11 27 | 18°19'42 | 5♉42 | 4°24 | 21°28 | 16°34 | 20°32 | 4°35 | 15° 9 | 3°47 | 29°22 | 16° 6 | 14°42 | 5°14 | n.a. | S 26 |
| M27 | 3 15 23 | 19°20'57 | 18° 8 | 5°55 | 22°44 | 16°23 | 20°30 | 4°42 | 15° 8 | 3°49 | 29°22 | 15°55 | 14°38 | 5°21 | n.a. | M27 |
| T 28 | 3 19 20 | 20°22'12 | 0♊25 | 7°26 | 23°59 | 16°14 | 20°29 | 4°49 | 15° 7 | 3°50 | 29°21 | 15°43 | 14°35 | 5°28 | n.a. | T 28 |
| W29 | 3 23 16 | 21°23'25 | 12°33 | 8°58 | 25°14 | 16° 5 | 20°29 | 4°56 | 15° 6 | 3°52 | 29°21 | 15°30 | 14°32 | 5°35 | n.a. | W29 |
| T 30 | 3 27 13 | 22♏24'39 | 24♊33 | 10♏30 | 26♏30 | 15♈57 | 20♓28 | 5♐ 3 | 15♋ 5 | 3♎54 | 29♋21 | 15♍17 | 14♍29 | 5♋41 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 9s 2 | 16n29 | 5s 3 | 1n44 | 2n34 | 7s25 | 0n36 | 10n 4 | 0n25 | 4s42 | 1s38 | 20s24 | 0n33 | 23n37 | 0n36 | 0n41 | 2n 4 | 35n25 | 15n 6 | 5n 5 | 5n37 | 18n58 | | n.a. | W 1 |
| T 2 | 9 25 | 18 3 | 5 11 | 1 20 | 2 31 | 7 56 | 0 34 | 9 57 | 0 27 | 4 44 | 1 38 | 20 25 | 0 33 | 23 37 | 0 36 | 0 40 | 2 4 | 35 26 | 15 7 | 5 7 | 5 39 | 18 58 | | n.a. | T 2 |
| F 3 | 9 48 | 18 50 | 5 5 | 0 53 | 2 27 | 8 26 | 0 32 | 9 51 | 0 30 | 4 46 | 1 38 | 20 27 | 0 33 | 23 37 | 0 36 | 0 39 | 2 4 | 35 26 | 15 7 | 5 9 | 5 40 | 18 58 | | n.a. | F 3 |
| S 4 | 10 11 | 18 46 | 4 46 | 0 24 | 2 23 | 8 57 | 0 30 | 9 44 | 0 32 | 4 48 | 1 37 | 20 28 | 0 33 | 23 37 | 0 36 | 0 39 | 2 4 | 35 26 | 15 8 | 5 10 | 5 41 | 18 58 | | n.a. | S 4 |
| S 5 | 10 33 | 17 53 | 4 15 | 0s 7 | 2 18 | 9 27 | 0 28 | 9 37 | 0 35 | 4 50 | 1 37 | 20 29 | 0 33 | 23 37 | 0 36 | 0 38 | 2 4 | 35 27 | 15 8 | 5 11 | 5 42 | 18 58 | | n.a. | S 5 |
| M 6 | 10 56 | 16 12 | 3 33 | 0 39 | 2 13 | 9 57 | 0 25 | 9 31 | 0 37 | 4 52 | 1 37 | 20 31 | 0 33 | 23 37 | 0 36 | 0 37 | 2 4 | 35 27 | 15 9 | 5 11 | 5 44 | 18 58 | | n.a. | M 6 |
| T 7 | 11 18 | 13 47 | 2 41 | 1 13 | 2 7 | 10 27 | 0 23 | 9 24 | 0 39 | 4 54 | 1 37 | 20 32 | 0 33 | 23 37 | 0 36 | 0 36 | 2 4 | 35 28 | 15 10 | 5 11 | 5 45 | 18 58 | | n.a. | T 7 |
| W 8 | 11 40 | 10 41 | 1 40 | 1 48 | 2 1 | 10 57 | 0 21 | 9 18 | 0 42 | 4 55 | 1 36 | 20 34 | 0 33 | 23 37 | 0 37 | 0 35 | 2 4 | 35 28 | 15 10 | 5 10 | 5 46 | 18 59 | | n.a. | W 8 |
| T 9 | 12 2 | 7 1 | 0 33 | 2 24 | 1 55 | 11 26 | 0 19 | 9 11 | 0 44 | 4 57 | 1 36 | 20 35 | 0 33 | 23 38 | 0 37 | 0 34 | 2 4 | 35 29 | 15 11 | 5 9 | 5 47 | 18 59 | | n.a. | T 9 |
| F 10 | 12 24 | 2 55 | 0n38 | 3 0 | 1 48 | 11 55 | 0 16 | 9 5 | 0 46 | 4 58 | 1 36 | 20 36 | 0 32 | 23 38 | 0 37 | 0 34 | 2 4 | 35 29 | 15 11 | 5 10 | 5 49 | 18 59 | | n.a. | F 10 |
| S 11 | 12 45 | 1s28 | 1 49 | 3 38 | 1 41 | 12 24 | 0 14 | 8 59 | 0 49 | 5 0 | 1 35 | 20 38 | 0 32 | 23 38 | 0 37 | 0 33 | 2 4 | 35 30 | 15 12 | 5 10 | 5 50 | 18 59 | | n.a. | S 11 |
| S 12 | 13 7 | 5 54 | 2 55 | 4 16 | 1 34 | 12 53 | 0 12 | 8 53 | 0 51 | 5 1 | 1 35 | 20 39 | 0 32 | 23 38 | 0 37 | 0 32 | 2 4 | 35 30 | 15 12 | 5 12 | 5 51 | 18 59 | | n.a. | S 12 |
| M13 | 13 28 | 10 7 | 3 52 | 4 54 | 1 27 | 13 21 | 0 9 | 8 47 | 0 53 | 5 3 | 1 35 | 20 41 | 0 32 | 23 38 | 0 37 | 0 31 | 2 4 | 35 30 | 15 13 | 5 14 | 5 52 | 18 59 | | n.a. | M13 |
| T 14 | 13 49 | 13 49 | 4 35 | 5 33 | 1 20 | 13 48 | 0 7 | 8 41 | 0 55 | 5 4 | 1 34 | 20 42 | 0 32 | 23 38 | 0 37 | 0 30 | 2 4 | 35 31 | 15 13 | 5 18 | 5 54 | 18 59 | | n.a. | T 14 |
| W15 | 14 9 | 16 41 | 5 0 | 6 12 | 1 13 | 14 16 | 0 5 | 8 35 | 0 57 | 5 5 | 1 34 | 20 43 | 0 32 | 23 38 | 0 37 | 0 30 | 2 4 | 35 31 | 15 14 | 5 21 | 5 55 | 18 59 | | n.a. | W15 |
| T 16 | 14 29 | 18 27 | 5 6 | 6 51 | 1 6 | 14 43 | 0 2 | 8 30 | 0 59 | 5 6 | 1 34 | 20 45 | 0 32 | 23 38 | 0 37 | 0 29 | 2 4 | 35 32 | 15 14 | 5 24 | 5 56 | 18 59 | | n.a. | T 16 |
| F 17 | 14 50 | 18 59 | 4 51 | 7 31 | 0 59 | 15 10 | 0s 0 | 8 25 | 1 1 | 5 7 | 1 33 | 20 46 | 0 32 | 23 38 | 0 37 | 0 28 | 2 4 | 35 32 | 15 15 | 5 27 | 5 57 | 18 59 | | n.a. | F 17 |
| S 18 | 15 9 | 18 16 | 4 18 | 8 10 | 0 51 | 15 36 | 0 3 | 8 20 | 1 3 | 5 8 | 1 33 | 20 47 | 0 32 | 23 38 | 0 37 | 0 27 | 2 4 | 35 33 | 15 15 | 5 28 | 5 59 | 18 59 | | n.a. | S 18 |
| S 19 | 15 29 | 16 25 | 3 30 | 8 49 | 0 44 | 16 2 | 0 5 | 8 15 | 1 5 | 5 9 | 1 33 | 20 49 | 0 32 | 23 38 | 0 37 | 0 27 | 2 4 | 35 34 | 15 16 | 5 29 | 6 0 | 18 59 | | n.a. | S 19 |
| M20 | 15 48 | 13 37 | 2 30 | 9 29 | 0 37 | 16 27 | 0 7 | 8 11 | 1 6 | 5 10 | 1 32 | 20 50 | 0 31 | 23 38 | 0 37 | 0 26 | 2 4 | 35 34 | 15 17 | 5 29 | 6 1 | 19 0 | | n.a. | M20 |
| T 21 | 16 7 | 10 7 | 1 22 | 10 8 | 0 29 | 16 52 | 0 10 | 8 6 | 1 8 | 5 10 | 1 32 | 20 52 | 0 31 | 23 39 | 0 37 | 0 25 | 2 4 | 35 35 | 15 17 | 5 29 | 6 2 | 19 0 | | n.a. | T 21 |
| W22 | 16 26 | 6 9 | 0 12 | 10 47 | 0 22 | 17 17 | 0 12 | 8 2 | 1 10 | 5 11 | 1 32 | 20 53 | 0 31 | 23 39 | 0 37 | 0 25 | 2 4 | 35 35 | 15 18 | 5 29 | 6 4 | 19 0 | | n.a. | W22 |
| T 23 | 16 44 | 1 57 | 0s58 | 11 26 | 0 15 | 17 41 | 0 14 | 7 58 | 1 11 | 5 11 | 1 31 | 20 54 | 0 31 | 23 39 | 0 37 | 0 24 | 2 4 | 35 36 | 15 18 | 5 29 | 6 5 | 19 0 | | n.a. | T 23 |
| F 24 | 17 2 | 2n16 | 2 4 | 12 4 | 0 8 | 18 4 | 0 17 | 7 55 | 1 13 | 5 12 | 1 31 | 20 56 | 0 31 | 23 39 | 0 37 | 0 23 | 2 4 | 35 36 | 15 19 | 5 30 | 6 6 | 19 0 | | n.a. | F 24 |
| S 25 | 17 20 | 6 20 | 3 3 | 12 42 | 0 1 | 18 27 | 0 19 | 7 51 | 1 15 | 5 12 | 1 31 | 20 57 | 0 31 | 23 39 | 0 37 | 0 23 | 2 4 | 35 37 | 15 19 | 5 32 | 6 7 | 19 0 | | n.a. | S 25 |
| S 26 | 17 38 | 10 3 | 3 51 | 13 20 | 0s 6 | 18 50 | 0 21 | 7 48 | 1 16 | 5 12 | 1 30 | 20 59 | 0 31 | 23 39 | 0 37 | 0 22 | 2 5 | 35 37 | 15 20 | 5 35 | 6 9 | 19 0 | | n.a. | S 26 |
| M27 | 17 55 | 13 17 | 4 28 | 13 58 | 0 13 | 19 12 | 0 24 | 7 46 | 1 18 | 5 12 | 1 30 | 21 0 | 0 31 | 23 40 | 0 37 | 0 21 | 2 5 | 35 38 | 15 20 | 5 40 | 6 10 | 19 0 | | n.a. | M27 |
| T 28 | 18 12 | 15 54 | 4 52 | 14 35 | 0 20 | 19 34 | 0 26 | 7 43 | 1 19 | 5 13 | 1 30 | 21 1 | 0 31 | 23 40 | 0 37 | 0 21 | 2 5 | 35 39 | 15 21 | 5 45 | 6 11 | 19 0 | | n.a. | T 28 |
| W29 | 18 28 | 17 46 | 5 2 | 15 11 | 0 26 | 19 55 | 0 28 | 7 41 | 1 20 | 5 13 | 1 29 | 21 3 | 0 31 | 23 40 | 0 37 | 0 20 | 2 5 | 35 39 | 15 21 | 5 50 | 6 12 | 19 0 | | n.a. | W29 |
| T 30 | 18s44 | 18n50 | 4s58 | 15s47 | 0s33 | 20s15 | 0s30 | 7n39 | 1n22 | 5s12 | 1s29 | 21s 4 | 0n31 | 23n40 | 0n37 | 0n19 | 2n 5 | 35n40 | 15n22 | 5n55 | 6n14 | 19n 0 | | n.a. | T 30 |

Julian Day Number = 995975.5, Delta T = 12h56m52s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'24, Lahiri = -31°20'23 Julian Calendar 1 Nov. 1987 BCE == Greg. Calendar 15 Oct. 1987 BCE


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# ASTRODIENST EPHEMERIS for the year 1987 BCE
# geocentric

## DECEMBER 1987 BCE (-1986) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 31 9 | 23♏25'51 | 6♋27 | 12♏ 3 | 27♏45 | 15°R50 | 20°R28 | 5♐11 | 15°R 4 | 3♎55 | 29°R20 | 15°R 6 | 14♍26 | 5♋48 | n.a. | F 1 |
| S 2 | 3 35 6 | 24°27'03 | 18°18 | 13°37 | 29° 0 | 15♈43 | 20°D28 | 5°18 | 15♋ 2 | 3°57 | 29♋20 | 14♍58 | 14°23 | 5°55 | n.a. | S 2 |
| S 3 | 3 39 3 | 25°28'15 | 0♌ 8 | 15°11 | 0♐15 | 15°38 | 20♓28 | 5°25 | 15° 1 | 3°59 | 29°19 | 14°52 | 14°19 | 6° 1 | n.a. | S 3 |
| M 4 | 3 42 59 | 26°29'26 | 12° 2 | 16°45 | 1°31 | 15°33 | 20°28 | 5°32 | 14°59 | 4° 0 | 29°19 | 14°49 | 14°16 | 6° 8 | n.a. | M 4 |
| T 5 | 3 46 56 | 27°30'36 | 24° 5 | 18°20 | 2°46 | 15°29 | 20°28 | 5°39 | 14°58 | 4° 2 | 29°18 | 14°D48 | 14°13 | 6°15 | n.a. | T 5 |
| W 6 | 3 50 52 | 28°31'46 | 6♍22 | 19°55 | 4° 1 | 15°26 | 20°29 | 5°46 | 14°56 | 4° 3 | 29°18 | 14°48 | 14°10 | 6°22 | n.a. | W 6 |
| T 7 | 3 54 49 | 29°32'55 | 18°59 | 21°31 | 5°16 | 15°23 | 20°30 | 5°53 | 14°55 | 4° 5 | 29°17 | 14°R48 | 14° 7 | 6°28 | n.a. | T 7 |
| F 8 | 3 58 45 | 0♐34'04 | 2♎ 1 | 23° 8 | 6°32 | 15°21 | 20°31 | 6° 0 | 14°53 | 4° 6 | 29°17 | 14°47 | 14° 3 | 6°35 | n.a. | F 8 |
| S 9 | 4 2 42 | 1°35'11 | 15°30 | 24°45 | 7°47 | 15°21 | 20°32 | 6° 8 | 14°52 | 4° 7 | 29°16 | 14°44 | 14° 0 | 6°42 | n.a. | S 9 |
| S 10 | 4 6 39 | 2°36'18 | 29°29 | 26°23 | 9° 2 | 15°D20 | 20°34 | 6°15 | 14°50 | 4° 9 | 29°15 | 14°38 | 13°57 | 6°48 | n.a. | S 10 |
| M11 | 4 10 35 | 3°37'24 | 13♏56 | 28° 1 | 10°17 | 15°21 | 20°35 | 6°22 | 14°48 | 4°10 | 29°15 | 14°29 | 13°54 | 6°55 | n.a. | M11 |
| T 12 | 4 14 32 | 4°38'29 | 28°46 | 29°40 | 11°32 | 15°22 | 20°37 | 6°29 | 14°46 | 4°12 | 29°14 | 14°18 | 13°51 | 7° 2 | n.a. | T 12 |
| W13 | 4 18 28 | 5°39'33 | 13♐52 | 1♐19 | 12°48 | 15°25 | 20°39 | 6°36 | 14°45 | 4°13 | 29°13 | 14° 6 | 13°48 | 7° 9 | n.a. | W13 |
| T 14 | 4 22 25 | 6°40'36 | 29° 2 | 3° 0 | 14° 3 | 15°28 | 20°41 | 6°43 | 14°43 | 4°14 | 29°12 | 13°55 | 13°44 | 7°15 | n.a. | T 14 |
| F 15 | 4 26 21 | 7°41'37 | 14♑ 6 | 4°40 | 15°18 | 15°31 | 20°44 | 6°51 | 14°41 | 4°15 | 29°11 | 13°45 | 13°41 | 7°22 | n.a. | F 15 |
| S 16 | 4 30 18 | 8°42'37 | 28°55 | 6°22 | 16°33 | 15°35 | 20°47 | 6°58 | 14°39 | 4°17 | 29°11 | 13°38 | 13°38 | 7°29 | n.a. | S 16 |
| S 17 | 4 34 14 | 9°43'36 | 13♒23 | 8° 4 | 17°48 | 15°40 | 20°49 | 7° 5 | 14°37 | 4°18 | 29°10 | 13°34 | 13°35 | 7°35 | n.a. | S 17 |
| M18 | 4 38 11 | 10°44'32 | 27°26 | 9°47 | 19° 3 | 15°46 | 20°52 | 7°12 | 14°35 | 4°19 | 29° 9 | 13°32 | 13°32 | 7°42 | n.a. | M18 |
| T 19 | 4 42 8 | 11°45'27 | 11♓ 6 | 11°31 | 20°18 | 15°53 | 20°56 | 7°19 | 14°33 | 4°20 | 29° 8 | 13°32 | 13°29 | 7°49 | n.a. | T 19 |
| W20 | 4 46 4 | 12°46'21 | 24°24 | 13°15 | 21°33 | 16° 0 | 20°59 | 7°27 | 14°31 | 4°21 | 29° 7 | 13°31 | 13°25 | 7°56 | n.a. | W20 |
| T 21 | 4 50 1 | 13°47'12 | 7♈23 | 15° 0 | 22°48 | 16° 7 | 21° 3 | 7°34 | 14°29 | 4°22 | 29° 6 | 13°30 | 13°22 | 8° 2 | n.a. | T 21 |
| F 22 | 4 53 57 | 14°48'02 | 20° 6 | 16°46 | 24° 3 | 16°16 | 21° 7 | 7°41 | 14°27 | 4°23 | 29° 5 | 13°27 | 13°19 | 8° 9 | n.a. | F 22 |
| S 23 | 4 57 54 | 15°48'50 | 2♉36 | 18°32 | 25°18 | 16°25 | 21°11 | 7°48 | 14°24 | 4°24 | 29° 4 | 13°20 | 13°16 | 8°16 | n.a. | S 23 |
| S 24 | 5 1 50 | 16°49'37 | 14°57 | 20°19 | 26°33 | 16°34 | 21°15 | 7°55 | 14°22 | 4°25 | 29° 3 | 13°10 | 13°13 | 8°22 | n.a. | S 24 |
| M25 | 5 5 47 | 17°50'22 | 27° 9 | 22° 7 | 27°48 | 16°44 | 21°19 | 8° 2 | 14°20 | 4°26 | 29° 2 | 12°58 | 13° 9 | 8°29 | n.a. | M25 |
| T 26 | 5 9 44 | 18°51'05 | 9♊14 | 23°55 | 29° 3 | 16°55 | 21°24 | 8° 9 | 14°18 | 4°27 | 29° 0 | 12°44 | 13° 6 | 8°36 | n.a. | T 26 |
| W27 | 5 13 40 | 19°51'47 | 21°14 | 25°44 | 0♑18 | 17° 6 | 21°29 | 8°16 | 14°15 | 4°28 | 28°59 | 12°29 | 13° 3 | 8°43 | n.a. | W27 |
| T 28 | 5 17 37 | 20°52'27 | 3♋ 9 | 27°33 | 1°33 | 17°18 | 21°33 | 8°24 | 14°13 | 4°29 | 28°58 | 12°15 | 13° 0 | 8°49 | n.a. | T 28 |
| F 29 | 5 21 33 | 21°53'05 | 15° 1 | 29°23 | 2°48 | 17°30 | 21°39 | 8°31 | 14°11 | 4°30 | 28°57 | 12° 2 | 12°57 | 8°56 | n.a. | F 29 |
| S 30 | 5 25 30 | 22°53'42 | 26°51 | 1♑12 | 4° 3 | 17°43 | 21°44 | 8°38 | 14° 8 | 4°31 | 28°56 | 11°52 | 12°54 | 9° 3 | n.a. | S 30 |
| S 31 | 5 29 26 | 23♐54'17 | 8♌42 | 3♑ 2 | 5♑17 | 17♈57 | 21♓49 | 8♐45 | 14♋ 6 | 4♎32 | 28♋55 | 11♍45 | 12♍50 | 9♋ 9 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 19s 0 | 19n 4 | 4s42 | 16s23 | 0s39 | 20s35 | 0s32 | 7n37 | 1n23 | 5s12 | 1s29 | 21s 6 | 0n30 | 23n40 | 0n37 | 0n19 | 2n 5 | 35n40 | 15n22 | 5n59 | 6n15 | 19n 0 | | n.a. |
| S 2 | 19 16 | 18 28 | 4 13 | 16 57 | 0 45 | 20 54 | 0 35 | 7 36 | 1 24 | 5 12 | 1 28 | 21 7 | 0 30 | 23 40 | 0 37 | 0 18 | 2 5 | 35 41 | 15 23 | 6 2 | 6 16 | 19 0 | | n.a. |
| S 3 | 19 31 | 17 3 | 3 34 | 17 32 | 0 51 | 21 13 | 0 37 | 7 35 | 1 25 | 5 12 | 1 28 | 21 8 | 0 30 | 23 41 | 0 37 | 0 18 | 2 5 | 35 42 | 15 23 | 6 5 | 6 17 | 19 0 | | n.a. |
| M 4 | 19 46 | 14 54 | 2 45 | 18 5 | 0 57 | 21 31 | 0 39 | 7 34 | 1 26 | 5 11 | 1 27 | 21 10 | 0 30 | 23 41 | 0 38 | 0 17 | 2 5 | 35 42 | 15 24 | 6 6 | 6 19 | 19 0 | | n.a. |
| T 5 | 20 0 | 12 4 | 1 48 | 18 38 | 1 3 | 21 48 | 0 41 | 7 33 | 1 28 | 5 11 | 1 27 | 21 11 | 0 30 | 23 41 | 0 38 | 0 16 | 2 5 | 35 43 | 15 24 | 6 6 | 6 20 | 19 0 | | n.a. |
| W 6 | 20 14 | 8 40 | 0 45 | 19 10 | 1 8 | 22 5 | 0 43 | 7 33 | 1 29 | 5 10 | 1 27 | 21 12 | 0 30 | 23 41 | 0 38 | 0 16 | 2 5 | 35 43 | 15 25 | 6 6 | 6 21 | 19 0 | | n.a. |
| T 7 | 20 27 | 4 47 | 0n22 | 19 41 | 1 13 | 22 21 | 0 45 | 7 33 | 1 30 | 5 9 | 1 26 | 21 14 | 0 30 | 23 41 | 0 38 | 0 15 | 2 5 | 35 44 | 15 25 | 6 6 | 6 22 | 19 0 | | n.a. |
| F 8 | 20 41 | 0 33 | 1 30 | 20 11 | 1 18 | 22 37 | 0 47 | 7 33 | 1 31 | 5 9 | 1 26 | 21 15 | 0 30 | 23 42 | 0 38 | 0 15 | 2 5 | 35 45 | 15 26 | 6 7 | 6 24 | 19 0 | | n.a. |
| S 9 | 20 54 | 3s51 | 2 35 | 20 41 | 1 23 | 22 51 | 0 49 | 7 34 | 1 32 | 5 8 | 1 26 | 21 16 | 0 30 | 23 42 | 0 38 | 0 14 | 2 5 | 35 45 | 15 26 | 6 8 | 6 25 | 19 0 | | n.a. |
| S 10 | 21 6 | 8 12 | 3 33 | 21 9 | 1 28 | 23 5 | 0 51 | 7 34 | 1 32 | 5 7 | 1 25 | 21 18 | 0 30 | 23 42 | 0 38 | 0 14 | 2 5 | 35 46 | 15 27 | 6 10 | 6 26 | 19 0 | | n.a. |
| M11 | 21 18 | 12 13 | 4 19 | 21 36 | 1 32 | 23 19 | 0 53 | 7 36 | 1 33 | 5 6 | 1 25 | 21 19 | 0 30 | 23 42 | 0 38 | 0 13 | 2 5 | 35 46 | 15 27 | 6 14 | 6 27 | 19 0 | | n.a. |
| T 12 | 21 30 | 15 35 | 4 50 | 22 3 | 1 36 | 23 32 | 0 55 | 7 37 | 1 34 | 5 5 | 1 25 | 21 20 | 0 30 | 23 43 | 0 38 | 0 13 | 2 5 | 35 47 | 15 28 | 6 18 | 6 29 | 19 0 | | n.a. |
| W13 | 21 41 | 17 57 | 5 0 | 22 28 | 1 40 | 23 44 | 0 57 | 7 38 | 1 35 | 5 4 | 1 24 | 21 22 | 0 30 | 23 43 | 0 38 | 0 12 | 2 5 | 35 48 | 15 28 | 6 23 | 6 30 | 19 0 | | n.a. |
| T 14 | 21 52 | 19 5 | 4 50 | 22 52 | 1 43 | 23 55 | 0 59 | 7 40 | 1 36 | 5 2 | 1 24 | 21 23 | 0 29 | 23 43 | 0 38 | 0 12 | 2 5 | 35 48 | 15 29 | 6 27 | 6 31 | 19 0 | | n.a. |
| F 15 | 22 2 | 18 51 | 4 20 | 23 15 | 1 47 | 24 5 | 1 0 | 7 42 | 1 36 | 5 1 | 1 24 | 21 24 | 0 29 | 23 43 | 0 38 | 0 11 | 2 6 | 35 49 | 15 29 | 6 31 | 6 32 | 19 0 | | n.a. |
| S 16 | 22 12 | 17 20 | 3 32 | 23 36 | 1 49 | 24 15 | 1 2 | 7 45 | 1 37 | 5 0 | 1 23 | 21 26 | 0 29 | 23 43 | 0 38 | 0 11 | 2 6 | 35 50 | 15 30 | 6 34 | 6 34 | 19 0 | | n.a. |
| S 17 | 22 21 | 14 43 | 2 32 | 23 56 | 1 52 | 24 24 | 1 4 | 7 47 | 1 38 | 4 58 | 1 23 | 21 27 | 0 29 | 23 44 | 0 38 | 0 10 | 2 6 | 35 50 | 15 30 | 6 35 | 6 35 | 19 0 | | n.a. |
| M18 | 22 30 | 11 18 | 1 24 | 24 15 | 1 54 | 24 33 | 1 5 | 7 50 | 1 38 | 4 57 | 1 22 | 21 28 | 0 29 | 23 44 | 0 38 | 0 10 | 2 6 | 35 51 | 15 31 | 6 36 | 6 36 | 19 0 | | n.a. |
| T 19 | 22 39 | 7 21 | 0 13 | 24 32 | 1 56 | 24 40 | 1 7 | 7 53 | 1 39 | 4 55 | 1 22 | 21 30 | 0 29 | 23 44 | 0 38 | 0 10 | 2 6 | 35 52 | 15 31 | 6 36 | 6 37 | 19 0 | | n.a. |
| W20 | 22 47 | 3 8 | 0s57 | 24 47 | 1 57 | 24 47 | 1 9 | 7 56 | 1 40 | 4 53 | 1 22 | 21 31 | 0 29 | 23 44 | 0 38 | 0 9 | 2 6 | 35 52 | 15 31 | 6 36 | 6 39 | 19 0 | | n.a. |
| T 21 | 22 55 | 1n 7 | 2 2 | 25 1 | 1 58 | 24 53 | 1 10 | 8 0 | 1 40 | 4 52 | 1 21 | 21 32 | 0 29 | 23 45 | 0 38 | 0 9 | 2 6 | 35 53 | 15 32 | 6 37 | 6 40 | 19 0 | | n.a. |
| F 22 | 23 2 | 5 14 | 3 0 | 25 13 | 1 59 | 24 58 | 1 12 | 8 4 | 1 41 | 4 50 | 1 21 | 21 33 | 0 29 | 23 45 | 0 38 | 0 9 | 2 6 | 35 54 | 15 32 | 6 38 | 6 41 | 19 0 | | n.a. |
| S 23 | 23 9 | 9 3 | 3 48 | 25 23 | 1 59 | 25 3 | 1 13 | 8 8 | 1 41 | 4 48 | 1 21 | 21 35 | 0 29 | 23 45 | 0 38 | 0 8 | 2 6 | 35 54 | 15 33 | 6 41 | 6 42 | 19 0 | | n.a. |
| S 24 | 23 15 | 12 26 | 4 25 | 25 32 | 1 59 | 25 7 | 1 14 | 8 12 | 1 42 | 4 46 | 1 20 | 21 36 | 0 29 | 23 46 | 0 38 | 0 8 | 2 6 | 35 55 | 15 33 | 6 44 | 6 44 | 19 0 | | n.a. |
| M25 | 23 21 | 15 14 | 4 48 | 25 38 | 1 58 | 25 10 | 1 16 | 8 16 | 1 42 | 4 44 | 1 20 | 21 37 | 0 29 | 23 46 | 0 38 | 0 7 | 2 6 | 35 55 | 15 33 | 6 49 | 6 45 | 19 0 | | n.a. |
| T 26 | 23 26 | 17 21 | 4 59 | 25 43 | 1 56 | 25 12 | 1 17 | 8 21 | 1 43 | 4 42 | 1 20 | 21 38 | 0 29 | 23 46 | 0 38 | 0 7 | 2 6 | 35 56 | 15 34 | 6 55 | 6 46 | 19 0 | | n.a. |
| W27 | 23 31 | 18 42 | 4 56 | 25 45 | 1 54 | 25 13 | 1 18 | 8 26 | 1 43 | 4 39 | 1 19 | 21 39 | 0 29 | 23 46 | 0 38 | 0 7 | 2 6 | 35 57 | 15 34 | 7 1 | 6 47 | 19 0 | | n.a. |
| T 28 | 23 36 | 19 13 | 4 40 | 25 45 | 1 52 | 25 14 | 1 19 | 8 31 | 1 43 | 4 37 | 1 19 | 21 41 | 0 28 | 23 47 | 0 38 | 0 7 | 2 6 | 35 57 | 15 35 | 7 6 | 6 49 | 19 0 | | n.a. |
| F 29 | 23 40 | 18 53 | 4 12 | 25 43 | 1 48 | 25 14 | 1 20 | 8 36 | 1 44 | 4 35 | 1 19 | 21 42 | 0 28 | 23 47 | 0 38 | 0 6 | 2 6 | 35 58 | 15 35 | 7 11 | 6 50 | 19 0 | | n.a. |
| S 30 | 23 43 | 17 43 | 3 33 | 25 39 | 1 45 | 25 13 | 1 21 | 8 41 | 1 44 | 4 32 | 1 18 | 21 43 | 0 28 | 23 47 | 0 38 | 0 6 | 2 7 | 35 59 | 15 35 | 7 15 | 6 51 | 19 0 | | n.a. |
| S 31 | 23s47 | 15n48 | 2s45 | 25s33 | 1s40 | 25s11 | 1s22 | 8n47 | 1n44 | 4s30 | 1s18 | 21s44 | 0n28 | 23n47 | 0n38 | 0n 6 | 2n 7 | 35n59 | 15n36 | 7n18 | 6n52 | 19n 0 | | n.a. |

Julian Day Number = 996005.5, Delta T = 12h56m50s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'20, Lahiri = -31°20'19 Julian Calendar 1 Dec. 1987 BCE == Greg. Calendar 14 Nov. 1987 BCE

The year -1986 astronomical counting style corresponds to year 1987 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## JANUARY 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 33 23 | 24♐54'51 | 20♌37 | 4♑52 | 6♑32 | 18♈11 | 21♓55 | 8♐52 | 14°R 4 | 4♎32 | 28°R53 | 11°R40 | 12♍47 | 9♋16 | n.a. | M 1 |
| T 2 | 5 37 19 | 25°55'23 | 2♍40 | 6°41 | 7°47 | 18°25 | 22° 1 | 8°59 | 14♋ 1 | 4°33 | 28♋52 | 11♍38 | 12°44 | 9°23 | n.a. | T 2 |
| W 3 | 5 41 16 | 26°55'54 | 14°55 | 8°30 | 9° 2 | 18°40 | 22° 7 | 9° 6 | 13°59 | 4°34 | 28°51 | 11°D38 | 12°41 | 9°30 | n.a. | W 3 |
| T 4 | 5 45 13 | 27°56'23 | 27°28 | 10°18 | 10°17 | 18°55 | 22°13 | 9°13 | 13°56 | 4°34 | 28°49 | 11°R38 | 12°38 | 9°36 | n.a. | T 4 |
| F 5 | 5 49 9 | 28°56'50 | 10♎23 | 12° 5 | 11°31 | 19°11 | 22°19 | 9°20 | 13°54 | 4°35 | 28°48 | 11°38 | 12°35 | 9°43 | n.a. | F 5 |
| S 6 | 5 53 6 | 29°57'16 | 23°45 | 13°50 | 12°46 | 19°27 | 22°25 | 9°26 | 13°51 | 4°35 | 28°47 | 11°36 | 12°31 | 9°50 | n.a. | S 6 |
| S 7 | 5 57 2 | 0♑57'41 | 7♏36 | 15°33 | 14° 1 | 19°44 | 22°32 | 9°33 | 13°49 | 4°36 | 28°45 | 11°31 | 12°28 | 9°56 | n.a. | S 7 |
| M 8 | 6 0 59 | 1°58'04 | 21°58 | 17°14 | 15°15 | 20° 1 | 22°39 | 9°40 | 13°46 | 4°36 | 28°44 | 11°24 | 12°25 | 10° 3 | n.a. | M 8 |
| T 9 | 6 4 55 | 2°58'25 | 6♐46 | 18°52 | 16°30 | 20°19 | 22°46 | 9°47 | 13°44 | 4°37 | 28°43 | 11°14 | 12°22 | 10°10 | n.a. | T 9 |
| W10 | 6 8 52 | 3°58'44 | 21°55 | 20°27 | 17°45 | 20°37 | 22°53 | 9°54 | 13°41 | 4°37 | 28°41 | 11° 4 | 12°19 | 10°17 | n.a. | W10 |
| T 11 | 6 12 48 | 4°59'02 | 7♑14 | 21°57 | 18°59 | 20°55 | 23° 0 | 10° 1 | 13°39 | 4°38 | 28°40 | 10°54 | 12°15 | 10°23 | n.a. | T 11 |
| F 12 | 6 16 45 | 5°59'17 | 22°32 | 23°23 | 20°14 | 21°14 | 23° 7 | 10° 7 | 13°36 | 4°38 | 28°38 | 10°45 | 12°12 | 10°30 | n.a. | F 12 |
| S 13 | 6 20 42 | 6°59'31 | 7♒38 | 24°43 | 21°29 | 21°33 | 23°15 | 10°14 | 13°33 | 4°38 | 28°37 | 10°39 | 12° 9 | 10°37 | n.a. | S 13 |
| S 14 | 6 24 38 | 7°59'42 | 22°23 | 25°58 | 22°43 | 21°53 | 23°22 | 10°21 | 13°31 | 4°39 | 28°35 | 10°35 | 12° 6 | 10°43 | n.a. | S 14 |
| M15 | 6 28 35 | 8°59'51 | 6♓42 | 27° 6 | 23°58 | 22°13 | 23°30 | 10°27 | 13°28 | 4°39 | 28°34 | 10°D34 | 12° 3 | 10°50 | n.a. | M15 |
| T 16 | 6 32 31 | 9°59'58 | 20°33 | 28° 7 | 25°12 | 22°33 | 23°38 | 10°34 | 13°25 | 4°39 | 28°32 | 10°34 | 12° 0 | 10°57 | n.a. | T 16 |
| W17 | 6 36 28 | 11° 0'02 | 3♈57 | 29° 1 | 26°27 | 22°54 | 23°46 | 10°40 | 13°23 | 4°39 | 28°31 | 10°35 | 11°56 | 11° 3 | n.a. | W17 |
| T 18 | 6 40 24 | 12° 0'04 | 16°57 | 29°46 | 27°41 | 23°15 | 23°55 | 10°47 | 13°20 | 4°40 | 28°29 | 10°R35 | 11°53 | 11°10 | n.a. | T 18 |
| F 19 | 6 44 21 | 13° 0'03 | 29°37 | 0♒23 | 28°55 | 23°36 | 24° 3 | 10°53 | 13°18 | 4°40 | 28°28 | 10°33 | 11°50 | 11°17 | n.a. | F 19 |
| S 20 | 6 48 17 | 14° 0'01 | 12♉ 2 | 0°51 | 0♒10 | 23°58 | 24°11 | 11° 0 | 13°15 | 4°40 | 28°26 | 10°29 | 11°47 | 11°24 | n.a. | S 20 |
| S 21 | 6 52 14 | 14°59'55 | 24°14 | 1°10 | 1°24 | 24°20 | 24°20 | 11° 6 | 13°12 | 4°40 | 28°25 | 10°23 | 11°44 | 11°30 | n.a. | S 21 |
| M22 | 6 56 10 | 15°59'48 | 6♊17 | 1°20 | 2°39 | 24°42 | 24°29 | 11°13 | 13°10 | 4°R40 | 28°23 | 10°15 | 11°40 | 11°37 | n.a. | M22 |
| T 23 | 7 0 7 | 16°59'38 | 18°14 | 1°R21 | 3°53 | 25° 5 | 24°38 | 11°19 | 13° 7 | 4°40 | 28°22 | 10° 5 | 11°37 | 11°44 | n.a. | T 23 |
| W24 | 7 4 4 | 17°59'26 | 0♋ 7 | 1°13 | 5° 7 | 25°27 | 24°47 | 11°25 | 13° 5 | 4°40 | 28°20 | 9°54 | 11°34 | 11°50 | n.a. | W24 |
| T 25 | 7 8 0 | 18°59'12 | 11°59 | 0°56 | 6°21 | 25°51 | 24°56 | 11°31 | 13° 2 | 4°40 | 28°18 | 9°44 | 11°31 | 11°57 | n.a. | T 25 |
| F 26 | 7 11 57 | 19°58'56 | 23°50 | 0°31 | 7°36 | 26°14 | 25° 5 | 11°38 | 12°59 | 4°40 | 28°17 | 9°35 | 11°28 | 12° 4 | n.a. | F 26 |
| S 27 | 7 15 53 | 20°58'37 | 5♌43 | 29♑59 | 8°50 | 26°38 | 25°14 | 11°44 | 12°57 | 4°39 | 28°15 | 9°28 | 11°25 | 12°11 | n.a. | S 27 |
| S 28 | 7 19 50 | 21°58'17 | 17°39 | 29°20 | 10° 4 | 27° 2 | 25°24 | 11°50 | 12°54 | 4°39 | 28°14 | 9°24 | 11°21 | 12°17 | n.a. | S 28 |
| M29 | 7 23 46 | 22°57'54 | 29°40 | 28°35 | 11°18 | 27°26 | 25°34 | 11°56 | 12°52 | 4°39 | 28°12 | 9°21 | 11°18 | 12°24 | n.a. | M29 |
| T 30 | 7 27 43 | 23°57'29 | 11♍49 | 27°46 | 12°32 | 27°51 | 25°43 | 12° 2 | 12°49 | 4°39 | 28°10 | 9°D21 | 11°15 | 12°31 | n.a. | T 30 |
| W31 | 7 31 39 | 24♑57'02 | 24♍ 9 | 26♑53 | 13♒46 | 28♈15 | 25♓53 | 12♐ 8 | 12♋46 | 4♎39 | 28♋ 9 | 9♍21 | 11♍12 | 12♋37 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 23 s49 | 13n11 | 1 s49 | 25 s24 | 1 s35 | 25 s 8 | 1 s23 | 8n52 | 1n45 | 4 s27 | 1 s18 | 21 s45 | 0n28 | 23n48 | 0n38 | 0n 6 | 2n 7 | 36n 0 | 15n36 | 7n20 | 6n53 | 19n 0 | | n.a. |
| T 2 | 23 51 | 10 0 | 0 47 | 25 14 | 1 29 | 25 5 | 1 24 | 8 58 | 1 45 | 4 25 | 1 17 | 21 47 | 0 28 | 23 48 | 0 38 | 0 5 | 2 7 | 36 1 | 15 36 | 7 20 | 6 55 | 18 59 | | n.a. |
| W 3 | 23 53 | 6 19 | 0n17 | 25 0 | 1 22 | 25 1 | 1 25 | 9 4 | 1 45 | 4 22 | 1 17 | 21 48 | 0 28 | 23 48 | 0 38 | 0 5 | 2 7 | 36 1 | 15 37 | 7 20 | 6 56 | 18 59 | | n.a. |
| T 4 | 23 54 | 2 18 | 1 23 | 24 45 | 1 15 | 24 56 | 1 25 | 9 11 | 1 46 | 4 19 | 1 17 | 21 49 | 0 28 | 23 49 | 0 38 | 0 5 | 2 7 | 36 2 | 15 37 | 7 20 | 6 57 | 18 59 | | n.a. |
| F 5 | 23 55 | 1 s57 | 2 26 | 24 28 | 1 6 | 24 50 | 1 26 | 9 17 | 1 46 | 4 17 | 1 17 | 21 50 | 0 28 | 23 49 | 0 38 | 0 5 | 2 7 | 36 2 | 15 37 | 7 20 | 6 58 | 18 59 | | n.a. |
| S 6 | 23 55 | 6 15 | 3 24 | 24 8 | 0 57 | 24 44 | 1 27 | 9 23 | 1 46 | 4 14 | 1 16 | 21 51 | 0 28 | 23 49 | 0 38 | 0 5 | 2 7 | 36 3 | 15 38 | 7 21 | 7 0 | 18 59 | | n.a. |
| S 7 | 23 55 | 10 22 | 4 12 | 23 47 | 0 48 | 24 37 | 1 27 | 9 30 | 1 46 | 4 11 | 1 16 | 21 52 | 0 28 | 23 49 | 0 38 | 0 4 | 2 7 | 36 4 | 15 38 | 7 23 | 7 1 | 18 59 | | n.a. |
| M 8 | 23 54 | 14 2 | 4 46 | 23 24 | 0 37 | 24 29 | 1 28 | 9 37 | 1 46 | 4 8 | 1 16 | 21 53 | 0 28 | 23 50 | 0 38 | 0 4 | 2 7 | 36 4 | 15 38 | 7 26 | 7 2 | 18 59 | | n.a. |
| T 9 | 23 53 | 16 55 | 5 2 | 22 59 | 0 26 | 24 20 | 1 28 | 9 44 | 1 47 | 4 5 | 1 15 | 21 54 | 0 28 | 23 50 | 0 38 | 0 4 | 2 7 | 36 5 | 15 39 | 7 30 | 7 3 | 18 59 | | n.a. |
| W10 | 23 51 | 18 43 | 4 57 | 22 33 | 0 13 | 24 11 | 1 28 | 9 51 | 1 47 | 4 1 | 1 15 | 21 56 | 0 28 | 23 50 | 0 38 | 0 4 | 2 7 | 36 5 | 15 39 | 7 34 | 7 5 | 18 59 | | n.a. |
| T 11 | 23 49 | 19 12 | 4 32 | 22 6 | 0 1 | 24 0 | 1 29 | 9 58 | 1 47 | 3 58 | 1 15 | 21 57 | 0 28 | 23 51 | 0 38 | 0 4 | 2 7 | 36 6 | 15 39 | 7 38 | 7 6 | 18 59 | | n.a. |
| F 12 | 23 47 | 18 16 | 3 47 | 21 38 | 0n13 | 23 49 | 1 29 | 10 6 | 1 47 | 3 55 | 1 14 | 21 58 | 0 28 | 23 51 | 0 39 | 0 4 | 2 7 | 36 7 | 15 39 | 7 41 | 7 7 | 18 59 | | n.a. |
| S 13 | 23 44 | 16 4 | 2 46 | 21 10 | 0 27 | 23 38 | 1 29 | 10 13 | 1 47 | 3 52 | 1 14 | 21 59 | 0 27 | 23 51 | 0 39 | 0 4 | 2 8 | 36 7 | 15 40 | 7 43 | 7 8 | 18 58 | | n.a. |
| S 14 | 23 40 | 12 50 | 1 35 | 20 42 | 0 42 | 23 26 | 1 29 | 10 21 | 1 47 | 3 48 | 1 14 | 22 0 | 0 27 | 23 51 | 0 39 | 0 4 | 2 8 | 36 8 | 15 40 | 7 45 | 7 10 | 18 58 | | n.a. |
| M15 | 23 36 | 8 55 | 0 21 | 20 14 | 0 57 | 23 13 | 1 29 | 10 28 | 1 48 | 3 45 | 1 13 | 22 1 | 0 27 | 23 52 | 0 39 | 0 4 | 2 8 | 36 8 | 15 40 | 7 45 | 7 11 | 18 58 | | n.a. |
| T 16 | 23 32 | 4 38 | 0 s53 | 19 47 | 1 12 | 22 59 | 1 29 | 10 36 | 1 48 | 3 42 | 1 13 | 22 2 | 0 27 | 23 52 | 0 39 | 0 4 | 2 8 | 36 9 | 15 40 | 7 45 | 7 12 | 18 58 | | n.a. |
| W17 | 23 27 | 0 15 | 2 2 | 19 20 | 1 28 | 22 44 | 1 29 | 10 44 | 1 48 | 3 38 | 1 13 | 22 3 | 0 27 | 23 52 | 0 39 | 0 4 | 2 8 | 36 10 | 15 41 | 7 45 | 7 13 | 18 58 | | n.a. |
| T 18 | 23 22 | 4n 0 | 3 2 | 18 55 | 1 43 | 22 29 | 1 29 | 10 52 | 1 48 | 3 34 | 1 13 | 22 4 | 0 27 | 23 53 | 0 39 | 0 4 | 2 8 | 36 10 | 15 41 | 7 45 | 7 15 | 18 58 | | n.a. |
| F 19 | 23 16 | 7 58 | 3 51 | 18 32 | 1 59 | 22 14 | 1 28 | 11 0 | 1 48 | 3 31 | 1 12 | 22 5 | 0 27 | 23 53 | 0 39 | 0 4 | 2 8 | 36 11 | 15 41 | 7 46 | 7 16 | 18 58 | | n.a. |
| S 20 | 23 10 | 11 29 | 4 29 | 18 11 | 2 14 | 21 57 | 1 28 | 11 9 | 1 48 | 3 27 | 1 12 | 22 6 | 0 27 | 23 53 | 0 39 | 0 4 | 2 8 | 36 11 | 15 41 | 7 47 | 7 17 | 18 58 | | n.a. |
| S 21 | 23 3 | 14 28 | 4 53 | 17 52 | 2 29 | 21 40 | 1 28 | 11 17 | 1 48 | 3 23 | 1 12 | 22 7 | 0 27 | 23 53 | 0 39 | 0 4 | 2 8 | 36 12 | 15 41 | 7 49 | 7 18 | 18 58 | | n.a. |
| M22 | 22 56 | 16 47 | 5 5 | 17 36 | 2 44 | 21 23 | 1 27 | 11 25 | 1 48 | 3 20 | 1 12 | 22 8 | 0 27 | 23 54 | 0 39 | 0 4 | 2 8 | 36 12 | 15 42 | 7 53 | 7 19 | 18 57 | | n.a. |
| T 23 | 22 49 | 18 22 | 5 2 | 17 23 | 2 57 | 21 4 | 1 27 | 11 34 | 1 48 | 3 16 | 1 11 | 22 9 | 0 27 | 23 54 | 0 39 | 0 4 | 2 8 | 36 13 | 15 42 | 7 56 | 7 21 | 18 57 | | n.a. |
| W24 | 22 41 | 19 8 | 4 47 | 17 12 | 3 10 | 20 46 | 1 26 | 11 43 | 1 48 | 3 12 | 1 11 | 22 10 | 0 27 | 23 54 | 0 39 | 0 4 | 2 8 | 36 13 | 15 42 | 8 0 | 7 22 | 18 57 | | n.a. |
| T 25 | 22 33 | 19 4 | 4 19 | 17 5 | 3 21 | 20 26 | 1 26 | 11 51 | 1 48 | 3 8 | 1 11 | 22 10 | 0 27 | 23 54 | 0 39 | 0 4 | 2 8 | 36 14 | 15 42 | 8 4 | 7 23 | 18 57 | | n.a. |
| F 26 | 22 24 | 18 10 | 3 40 | 17 0 | 3 32 | 20 6 | 1 25 | 12 0 | 1 48 | 3 4 | 1 10 | 22 11 | 0 27 | 23 55 | 0 39 | 0 4 | 2 8 | 36 14 | 15 42 | 8 8 | 7 24 | 18 57 | | n.a. |
| S 27 | 22 15 | 16 27 | 2 51 | 16 59 | 3 40 | 19 46 | 1 24 | 12 9 | 1 48 | 3 0 | 1 10 | 22 12 | 0 27 | 23 55 | 0 39 | 0 4 | 2 9 | 36 15 | 15 42 | 8 10 | 7 26 | 18 57 | | n.a. |
| S 28 | 22 5 | 14 2 | 1 54 | 17 0 | 3 47 | 19 25 | 1 23 | 12 18 | 1 48 | 2 56 | 1 10 | 22 13 | 0 27 | 23 55 | 0 39 | 0 4 | 2 9 | 36 15 | 15 42 | 8 12 | 7 27 | 18 56 | | n.a. |
| M29 | 21 55 | 11 0 | 0 52 | 17 5 | 3 52 | 19 3 | 1 22 | 12 27 | 1 48 | 2 52 | 1 10 | 22 14 | 0 27 | 23 56 | 0 39 | 0 5 | 2 9 | 36 16 | 15 43 | 8 13 | 7 28 | 18 56 | | n.a. |
| T 30 | 21 45 | 7 29 | 0n13 | 17 12 | 3 55 | 18 41 | 1 21 | 12 36 | 1 48 | 2 47 | 1 9 | 22 15 | 0 27 | 23 56 | 0 39 | 0 5 | 2 9 | 36 16 | 15 43 | 8 13 | 7 29 | 18 56 | | n.a. |
| W31 | 21 s34 | 3n35 | 1n19 | 17 s21 | 3n56 | 18 s18 | 1 s20 | 12n45 | 1n48 | 2 s43 | 1 s 9 | 22 s16 | 0n27 | 23n56 | 0n39 | 0n 5 | 2n 9 | 36n17 | 15n43 | 8n13 | 7n31 | 18n56 | | n.a. |

Julian Day Number = 996036.5, Delta T = 12h56m48s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'15, Lahiri = -31°20'15 Julian Calendar 1 Jan. 1986 BCE == Greg. Calendar 15 Dec. 1987 BCE


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## FEBRUARY 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 35 36 | 25♉56'33 | 6♎44 | 25°R58 | 15♒ 0 | 28♈40 | 26♓ 3 | 12♐14 | 12°R44 | 4°R38 | 28°R 7 | 9♍23 | 11♍ 9 | 12♋44 | n.a. | T 1 |
| F 2 | 7 39 33 | 26°56'03 | 19°38 | 25♉ 2 | 16°14 | 29° 6 | 26°13 | 12°19 | 12♋41 | 4♎38 | 28♋ 6 | 9°24 | 11° 6 | 12°51 | n.a. | F 2 |
| S 3 | 7 43 29 | 27°55'30 | 2♏55 | 24° 6 | 17°28 | 29°31 | 26°23 | 12°25 | 12°39 | 4°38 | 28° 4 | 9°R24 | 11° 2 | 12°57 | n.a. | S 3 |
| S 4 | 7 47 26 | 28°54'55 | 16°37 | 23°12 | 18°42 | 29°57 | 26°34 | 12°31 | 12°36 | 4°37 | 28° 2 | 9°23 | 10°59 | 13° 4 | n.a. | S 4 |
| M 5 | 7 51 22 | 29°54'19 | 0♐46 | 22°20 | 19°56 | 0♉23 | 26°44 | 12°36 | 12°34 | 4°37 | 28° 1 | 9°20 | 10°56 | 13°11 | n.a. | M 5 |
| T 6 | 7 55 19 | 0♒53'41 | 15°20 | 21°31 | 21°10 | 0°49 | 26°54 | 12°42 | 12°31 | 4°36 | 27°59 | 9°15 | 10°53 | 13°18 | n.a. | T 6 |
| W 7 | 7 59 15 | 1°53'00 | 0♉16 | 20°46 | 22°24 | 1°15 | 27° 5 | 12°48 | 12°29 | 4°36 | 27°58 | 9°10 | 10°50 | 13°24 | n.a. | W 7 |
| T 8 | 8 3 12 | 2°52'18 | 15°24 | 20° 6 | 23°38 | 1°42 | 27°16 | 12°53 | 12°27 | 4°35 | 27°56 | 9° 4 | 10°46 | 13°31 | n.a. | T 8 |
| F 9 | 8 7 8 | 3°51'34 | 0♒37 | 19°31 | 24°52 | 2° 9 | 27°26 | 12°59 | 12°24 | 4°35 | 27°54 | 8°59 | 10°43 | 13°38 | n.a. | F 9 |
| S 10 | 8 11 5 | 4°50'47 | 15°43 | 19° 2 | 26° 5 | 2°36 | 27°37 | 13° 4 | 12°22 | 4°34 | 27°53 | 8°56 | 10°40 | 13°44 | n.a. | S 10 |
| S 11 | 8 15 1 | 5°49'58 | 0♓34 | 18°38 | 27°19 | 3° 3 | 27°48 | 13° 9 | 12°19 | 4°33 | 27°51 | 8°54 | 10°37 | 13°51 | n.a. | S 11 |
| M12 | 8 18 58 | 6°49'07 | 15° 2 | 18°20 | 28°33 | 3°30 | 27°59 | 13°14 | 12°17 | 4°33 | 27°49 | 8°D54 | 10°34 | 13°58 | n.a. | M12 |
| T 13 | 8 22 55 | 7°48'13 | 29° 4 | 18° 8 | 29°47 | 3°58 | 28°11 | 13°20 | 12°15 | 4°32 | 27°48 | 8°55 | 10°31 | 14° 4 | n.a. | T 13 |
| W14 | 8 26 51 | 8°47'17 | 12♈38 | 18° 2 | 1♓ 0 | 4°25 | 28°22 | 13°25 | 12°13 | 4°31 | 27°46 | 8°57 | 10°27 | 14°11 | n.a. | W14 |
| T 15 | 8 30 48 | 9°46'18 | 25°46 | 18°D 1 | 2°14 | 4°53 | 28°33 | 13°30 | 12°10 | 4°31 | 27°45 | 8°58 | 10°24 | 14°18 | n.a. | T 15 |
| F 16 | 8 34 44 | 10°45'17 | 8♉31 | 18° 6 | 3°27 | 5°22 | 28°44 | 13°35 | 12° 8 | 4°30 | 27°43 | 8°R59 | 10°21 | 14°25 | n.a. | F 16 |
| S 17 | 8 38 41 | 11°44'13 | 20°57 | 18°16 | 4°41 | 5°50 | 28°56 | 13°40 | 12° 6 | 4°29 | 27°42 | 8°58 | 10°18 | 14°31 | n.a. | S 17 |
| S 18 | 8 42 37 | 12°43'07 | 3♊ 8 | 18°31 | 5°54 | 6°18 | 29° 8 | 13°44 | 12° 4 | 4°28 | 27°40 | 8°57 | 10°15 | 14°38 | n.a. | S 18 |
| M19 | 8 46 34 | 13°41'59 | 15° 8 | 18°52 | 7° 8 | 6°47 | 29°19 | 13°49 | 12° 2 | 4°27 | 27°39 | 8°54 | 10°12 | 14°45 | n.a. | M19 |
| T 20 | 8 50 30 | 14°40'48 | 27° 2 | 19°17 | 8°21 | 7°16 | 29°31 | 13°54 | 12° 0 | 4°27 | 27°37 | 8°51 | 10° 8 | 14°51 | n.a. | T 20 |
| W21 | 8 54 27 | 15°39'34 | 8♋53 | 19°46 | 9°34 | 7°45 | 29°43 | 13°58 | 11°57 | 4°26 | 27°35 | 8°47 | 10° 5 | 14°58 | n.a. | W21 |
| T 22 | 8 58 23 | 16°38'19 | 20°43 | 20°20 | 10°48 | 8°14 | 29°55 | 14° 3 | 11°55 | 4°25 | 27°34 | 8°43 | 10° 2 | 15° 5 | n.a. | T 22 |
| F 23 | 9 2 20 | 17°37'01 | 2♌37 | 20°58 | 12° 1 | 8°43 | 0♈ 7 | 14° 7 | 11°53 | 4°24 | 27°32 | 8°40 | 9°59 | 15°11 | n.a. | F 23 |
| S 24 | 9 6 17 | 18°35'41 | 14°34 | 21°39 | 13°14 | 9°12 | 0°19 | 14°12 | 11°52 | 4°23 | 27°31 | 8°37 | 9°56 | 15°18 | n.a. | S 24 |
| S 25 | 9 10 13 | 19°34'19 | 26°39 | 22°24 | 14°27 | 9°42 | 0°31 | 14°16 | 11°50 | 4°22 | 27°29 | 8°36 | 9°52 | 15°25 | n.a. | S 25 |
| M26 | 9 14 10 | 20°32'55 | 8♍51 | 23°13 | 15°40 | 10°12 | 0°43 | 14°20 | 11°48 | 4°21 | 27°28 | 8°D35 | 9°49 | 15°32 | n.a. | M26 |
| T 27 | 9 18 6 | 21°31'28 | 21°13 | 24° 5 | 16°54 | 10°41 | 0°55 | 14°24 | 11°46 | 4°20 | 27°27 | 8°36 | 9°46 | 15°38 | n.a. | T 27 |
| W28 | 9 22 3 | 22♒30'00 | 3♎47 | 25♉ 0 | 18♓ 7 | 11♉11 | 1♈ 7 | 14♐29 | 11♋44 | 4♎19 | 27♋25 | 8♍37 | 9♍43 | 15♋45 | n.a. | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21 s23 | 0 s33 | 2n23 | 17 s32 | 3n55 | 17 s55 | 1 s19 | 12n54 | 1n48 | 2 s39 | 1 s 9 | 22 s17 | 0n26 | 23n56 | 0n39 | 0n 5 | 2n 9 | 36n17 | 15n43 | 8n13 | 7n32 | 18n56 | | n.a. |
| F 2 | 21 11 | 4 44 | 3 21 | 17 45 | 3 52 | 17 31 | 1 18 | 13 3 | 1 48 | 2 35 | 1 9 | 22 17 | 0 26 | 23 57 | 0 39 | 0 5 | 2 9 | 36 18 | 15 43 | 8 12 | 7 33 | 18 56 | | n.a. |
| S 3 | 21 0 | 8 49 | 4 10 | 18 0 | 3 47 | 17 7 | 1 17 | 13 12 | 1 48 | 2 30 | 1 8 | 22 18 | 0 26 | 23 57 | 0 39 | 0 6 | 2 9 | 36 18 | 15 43 | 8 12 | 7 34 | 18 55 | | n.a. |
| S 4 | 20 47 | 12 34 | 4 47 | 18 16 | 3 40 | 16 43 | 1 15 | 13 21 | 1 48 | 2 26 | 1 8 | 22 19 | 0 26 | 23 57 | 0 39 | 0 6 | 2 9 | 36 19 | 15 43 | 8 13 | 7 35 | 18 55 | | n.a. |
| M 5 | 20 35 | 15 43 | 5 7 | 18 32 | 3 32 | 16 18 | 1 14 | 13 31 | 1 48 | 2 22 | 1 8 | 22 20 | 0 26 | 23 57 | 0 39 | 0 6 | 2 9 | 36 19 | 15 43 | 8 14 | 7 37 | 18 55 | | n.a. |
| T 6 | 20 22 | 17 59 | 5 9 | 18 50 | 3 23 | 15 52 | 1 13 | 13 40 | 1 48 | 2 17 | 1 8 | 22 21 | 0 26 | 23 57 | 0 39 | 0 6 | 2 9 | 36 19 | 15 43 | 8 16 | 7 38 | 18 55 | | n.a. |
| W 7 | 20 8 | 19 5 | 4 50 | 19 7 | 3 12 | 15 26 | 1 11 | 13 49 | 1 48 | 2 13 | 1 7 | 22 21 | 0 26 | 23 58 | 0 39 | 0 7 | 2 9 | 36 20 | 15 43 | 8 18 | 7 39 | 18 55 | | n.a. |
| T 8 | 19 55 | 18 52 | 4 11 | 19 25 | 3 0 | 15 0 | 1 10 | 13 59 | 1 48 | 2 8 | 1 7 | 22 22 | 0 26 | 23 58 | 0 39 | 0 7 | 2 9 | 36 20 | 15 43 | 8 20 | 7 40 | 18 55 | | n.a. |
| F 9 | 19 41 | 17 16 | 3 14 | 19 43 | 2 47 | 14 34 | 1 8 | 14 8 | 1 48 | 2 3 | 1 7 | 22 23 | 0 26 | 23 58 | 0 39 | 0 7 | 2 9 | 36 20 | 15 43 | 8 22 | 7 42 | 18 54 | | n.a. |
| S 10 | 19 26 | 14 29 | 2 3 | 20 0 | 2 34 | 14 7 | 1 6 | 14 18 | 1 48 | 1 59 | 1 7 | 22 24 | 0 26 | 23 58 | 0 39 | 0 7 | 2 9 | 36 21 | 15 43 | 8 23 | 7 43 | 18 54 | | n.a. |
| S 11 | 19 11 | 10 47 | 0 45 | 20 17 | 2 20 | 13 39 | 1 4 | 14 27 | 1 47 | 1 54 | 1 7 | 22 24 | 0 26 | 23 59 | 0 39 | 0 8 | 2 10 | 36 21 | 15 43 | 8 24 | 7 44 | 18 54 | | n.a. |
| M12 | 18 56 | 6 31 | 0 s34 | 20 34 | 2 6 | 13 11 | 1 3 | 14 37 | 1 47 | 1 50 | 1 6 | 22 25 | 0 26 | 23 59 | 0 39 | 0 8 | 2 10 | 36 22 | 15 43 | 8 24 | 7 45 | 18 54 | | n.a. |
| T 13 | 18 41 | 2 2 | 1 48 | 20 50 | 1 51 | 12 43 | 1 1 | 14 46 | 1 47 | 1 45 | 1 6 | 22 26 | 0 26 | 23 59 | 0 39 | 0 8 | 2 10 | 36 22 | 15 43 | 8 23 | 7 46 | 18 54 | | n.a. |
| W14 | 18 25 | 2n25 | 2 54 | 21 5 | 1 37 | 12 15 | 0 59 | 14 56 | 1 47 | 1 40 | 1 6 | 22 26 | 0 26 | 23 59 | 0 39 | 0 9 | 2 10 | 36 22 | 15 43 | 8 23 | 7 48 | 18 53 | | n.a. |
| T 15 | 18 9 | 6 36 | 3 49 | 21 19 | 1 22 | 11 46 | 0 57 | 15 5 | 1 47 | 1 35 | 1 6 | 22 27 | 0 26 | 23 59 | 0 39 | 0 9 | 2 10 | 36 23 | 15 43 | 8 22 | 7 49 | 18 53 | | n.a. |
| F 16 | 17 53 | 10 21 | 4 31 | 21 33 | 1 8 | 11 17 | 0 55 | 15 15 | 1 47 | 1 30 | 1 5 | 22 28 | 0 26 | 24 0 | 0 39 | 0 9 | 2 10 | 36 23 | 15 43 | 8 22 | 7 50 | 18 53 | | n.a. |
| S 17 | 17 37 | 13 33 | 4 59 | 21 45 | 0 54 | 10 48 | 0 53 | 15 24 | 1 47 | 1 26 | 1 5 | 22 28 | 0 26 | 24 0 | 0 39 | 0 10 | 2 10 | 36 23 | 15 43 | 8 22 | 7 51 | 18 53 | | n.a. |
| S 18 | 17 20 | 16 6 | 5 12 | 21 57 | 0 40 | 10 19 | 0 51 | 15 34 | 1 47 | 1 21 | 1 5 | 22 29 | 0 26 | 24 0 | 0 39 | 0 10 | 2 10 | 36 23 | 15 43 | 8 22 | 7 53 | 18 52 | | n.a. |
| M19 | 17 3 | 17 54 | 5 12 | 22 7 | 0 27 | 9 49 | 0 49 | 15 43 | 1 47 | 1 16 | 1 5 | 22 30 | 0 26 | 24 0 | 0 39 | 0 11 | 2 10 | 36 24 | 15 43 | 8 24 | 7 54 | 18 52 | | n.a. |
| T 20 | 16 45 | 18 55 | 4 58 | 22 16 | 0 14 | 9 19 | 0 46 | 15 53 | 1 47 | 1 11 | 1 5 | 22 30 | 0 26 | 24 0 | 0 39 | 0 11 | 2 10 | 36 24 | 15 43 | 8 25 | 7 55 | 18 52 | | n.a. |
| W21 | 16 28 | 19 6 | 4 32 | 22 25 | 0 1 | 8 49 | 0 44 | 16 3 | 1 46 | 1 6 | 1 4 | 22 31 | 0 26 | 24 1 | 0 39 | 0 11 | 2 10 | 36 24 | 15 43 | 8 26 | 7 56 | 18 52 | | n.a. |
| T 22 | 16 10 | 18 26 | 3 54 | 22 32 | 0 s11 | 8 19 | 0 42 | 16 12 | 1 46 | 1 1 | 1 4 | 22 31 | 0 25 | 24 1 | 0 38 | 0 12 | 2 10 | 36 24 | 15 43 | 8 28 | 7 58 | 18 52 | | n.a. |
| F 23 | 15 52 | 16 58 | 3 6 | 22 37 | 0 23 | 7 48 | 0 40 | 16 22 | 1 46 | 0 56 | 1 4 | 22 32 | 0 25 | 24 1 | 0 38 | 0 12 | 2 10 | 36 25 | 15 43 | 8 29 | 7 59 | 18 51 | | n.a. |
| S 24 | 15 33 | 14 44 | 2 9 | 22 42 | 0 34 | 7 17 | 0 37 | 16 31 | 1 46 | 0 51 | 1 4 | 22 33 | 0 25 | 24 1 | 0 38 | 0 13 | 2 10 | 36 25 | 15 42 | 8 30 | 8 0 | 18 51 | | n.a. |
| S 25 | 15 15 | 11 52 | 1 5 | 22 45 | 0 45 | 6 46 | 0 35 | 16 41 | 1 46 | 0 46 | 1 4 | 22 33 | 0 25 | 24 1 | 0 38 | 0 13 | 2 10 | 36 25 | 15 42 | 8 31 | 8 1 | 18 51 | | n.a. |
| M26 | 14 56 | 8 26 | 0n 1 | 22 47 | 0 55 | 6 15 | 0 32 | 16 50 | 1 46 | 0 41 | 1 4 | 22 34 | 0 25 | 24 1 | 0 38 | 0 14 | 2 10 | 36 25 | 15 42 | 8 31 | 8 2 | 18 51 | | n.a. |
| T 27 | 14 37 | 4 36 | 1 9 | 22 47 | 1 5 | 5 44 | 0 30 | 17 0 | 1 46 | 0 36 | 1 3 | 22 34 | 0 25 | 24 2 | 0 38 | 0 14 | 2 10 | 36 26 | 15 42 | 8 31 | 8 4 | 18 50 | | n.a. |
| W28 | 14 s17 | 0n31 | 2n15 | 22 s46 | 1 s14 | 5 s12 | 0 s27 | 17n 9 | 1n45 | 0 s30 | 1 s 3 | 22 s35 | 0n25 | 24n 2 | 0n38 | 0n15 | 2n11 | 36n26 | 15n42 | 8n30 | 8n 5 | 18n50 | | n.a. |

Julian Day Number = 996067.5, Delta T = 12h56m46s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'11, Lahiri = -31°20'11 Julian Calendar 1 Feb. 1986 BCE == Greg. Calendar 15 Jan. 1986 BCE


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## MARCH 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 25 59 | 23♒28'30 | 16♎34 | 25♑58 | 19♓20 | 11♉41 | 1♈20 | 14♐33 | 11°R42 | 4°R17 | 27°R24 | 8♍38 | 9♍40 | 15♋52 | n.a. | T 1 |
| F 2 | 9 29 56 | 24°26'58 | 29°38 | 26°59 | 20°32 | 12°12 | 1°32 | 14°36 | 11♋41 | 4♎16 | 27♋22 | 8°39 | 9°37 | 15°58 | n.a. | F 2 |
| S 3 | 9 33 52 | 25°25'24 | 12♏58 | 28° 3 | 21°45 | 12°42 | 1°45 | 14°40 | 11°39 | 4°15 | 27°21 | 8°40 | 9°33 | 16° 5 | n.a. | S 3 |
| S 4 | 9 37 49 | 26°23'48 | 26°38 | 29° 9 | 22°58 | 13°12 | 1°57 | 14°44 | 11°37 | 4°14 | 27°20 | 8°R40 | 9°30 | 16°12 | n.a. | S 4 |
| M 5 | 9 41 45 | 27°22'11 | 10♐38 | 0♒18 | 24°11 | 13°43 | 2°10 | 14°48 | 11°36 | 4°13 | 27°18 | 8°40 | 9°27 | 16°18 | n.a. | M 5 |
| T 6 | 9 45 42 | 28°20'32 | 24°57 | 1°29 | 25°24 | 14°14 | 2°22 | 14°51 | 11°34 | 4°12 | 27°17 | 8°39 | 9°24 | 16°25 | n.a. | T 6 |
| W 7 | 9 49 38 | 29°18'52 | 9♑31 | 2°42 | 26°36 | 14°45 | 2°35 | 14°55 | 11°33 | 4°10 | 27°16 | 8°38 | 9°21 | 16°32 | n.a. | W 7 |
| T 8 | 9 53 35 | 0♓17'10 | 24°18 | 3°58 | 27°49 | 15°15 | 2°48 | 14°58 | 11°31 | 4° 9 | 27°14 | 8°37 | 9°18 | 16°39 | n.a. | T 8 |
| F 9 | 9 57 32 | 1°15'25 | 9♒10 | 5°16 | 29° 2 | 15°47 | 3° 1 | 15° 2 | 11°30 | 4° 8 | 27°13 | 8°36 | 9°14 | 16°45 | n.a. | F 9 |
| S 10 | 10 1 28 | 2°13'40 | 24° 0 | 6°36 | 0♈14 | 16°18 | 3°13 | 15° 5 | 11°28 | 4° 7 | 27°12 | 8°36 | 9°11 | 16°52 | n.a. | S 10 |
| S 11 | 10 5 25 | 3°11'52 | 8♓39 | 7°58 | 1°27 | 16°49 | 3°26 | 15° 8 | 11°27 | 4° 5 | 27°10 | 8°D36 | 9° 8 | 16°59 | n.a. | S 11 |
| M12 | 10 9 21 | 4°10'02 | 23° 3 | 9°22 | 2°39 | 17°20 | 3°39 | 15°11 | 11°26 | 4° 4 | 27° 9 | 8°36 | 9° 5 | 17° 5 | n.a. | M12 |
| T 13 | 10 13 18 | 5° 8'10 | 7♈ 5 | 10°48 | 3°52 | 17°52 | 3°52 | 15°14 | 11°25 | 4° 3 | 27° 8 | 8°36 | 9° 2 | 17°12 | n.a. | T 13 |
| W14 | 10 17 14 | 6° 6'16 | 20°43 | 12°17 | 5° 4 | 18°24 | 4° 5 | 15°17 | 11°23 | 4° 1 | 27° 7 | 8°36 | 8°58 | 17°19 | n.a. | W14 |
| T 15 | 10 21 11 | 7° 4'20 | 3♉57 | 13°47 | 6°16 | 18°55 | 4°19 | 15°20 | 11°22 | 4° 0 | 27° 6 | 8°37 | 8°55 | 17°25 | n.a. | T 15 |
| F 16 | 10 25 7 | 8° 2'22 | 16°47 | 15°19 | 7°29 | 19°27 | 4°32 | 15°23 | 11°21 | 3°58 | 27° 4 | 8°37 | 8°52 | 17°32 | n.a. | F 16 |
| S 17 | 10 29 4 | 9° 0'22 | 29°17 | 16°52 | 8°41 | 19°59 | 4°45 | 15°25 | 11°20 | 3°57 | 27° 3 | 8°R37 | 8°49 | 17°39 | n.a. | S 17 |
| S 18 | 10 33 0 | 9°58'20 | 11♊31 | 18°28 | 9°53 | 20°31 | 4°58 | 15°28 | 11°19 | 3°56 | 27° 2 | 8°D37 | 8°46 | 17°45 | n.a. | S 18 |
| M19 | 10 36 57 | 10°56'16 | 23°32 | 20° 6 | 11° 5 | 21° 3 | 5°11 | 15°30 | 11°18 | 3°54 | 27° 1 | 8°37 | 8°43 | 17°52 | n.a. | M19 |
| T 20 | 10 40 54 | 11°54'10 | 5♋26 | 21°45 | 12°17 | 21°36 | 5°25 | 15°33 | 11°17 | 3°53 | 27° 0 | 8°37 | 8°39 | 17°59 | n.a. | T 20 |
| W21 | 10 44 50 | 12°52'02 | 17°16 | 23°27 | 13°29 | 22° 8 | 5°38 | 15°35 | 11°16 | 3°51 | 26°59 | 8°37 | 8°36 | 18° 6 | n.a. | W21 |
| T 22 | 10 48 47 | 13°49'53 | 29° 8 | 25°10 | 14°41 | 22°40 | 5°51 | 15°37 | 11°16 | 3°50 | 26°58 | 8°38 | 8°33 | 18°12 | n.a. | T 22 |
| F 23 | 10 52 43 | 14°47'41 | 11♌ 5 | 26°55 | 15°53 | 23°13 | 6° 5 | 15°39 | 11°15 | 3°48 | 26°57 | 8°38 | 8°30 | 18°19 | n.a. | F 23 |
| S 24 | 10 56 40 | 15°45'27 | 23° 9 | 28°42 | 17° 5 | 23°45 | 6°18 | 15°41 | 11°14 | 3°47 | 26°56 | 8°39 | 8°27 | 18°26 | n.a. | S 24 |
| S 25 | 11 0 36 | 16°43'12 | 5♍23 | 0♓31 | 18°16 | 24°18 | 6°32 | 15°43 | 11°14 | 3°45 | 26°55 | 8°R39 | 8°23 | 18°32 | n.a. | S 25 |
| M26 | 11 4 33 | 17°40'55 | 17°50 | 2°22 | 19°28 | 24°51 | 6°45 | 15°45 | 11°13 | 3°44 | 26°54 | 8°39 | 8°20 | 18°39 | n.a. | M26 |
| T 27 | 11 8 29 | 18°38'36 | 0♎30 | 4°14 | 20°40 | 25°24 | 6°59 | 15°47 | 11°12 | 3°42 | 26°54 | 8°39 | 8°17 | 18°46 | n.a. | T 27 |
| W28 | 11 12 26 | 19°36'16 | 13°24 | 6° 9 | 21°51 | 25°57 | 7°12 | 15°48 | 11°12 | 3°40 | 26°53 | 8°37 | 8°14 | 18°52 | n.a. | W28 |
| T 29 | 11 16 23 | 20°33'55 | 26°33 | 8° 5 | 23° 3 | 26°30 | 7°26 | 15°50 | 11°12 | 3°39 | 26°52 | 8°36 | 8°11 | 18°59 | n.a. | T 29 |
| F 30 | 11 20 19 | 21°31'32 | 9♏55 | 10° 3 | 24°14 | 27° 3 | 7°39 | 15°51 | 11°11 | 3°37 | 26°51 | 8°34 | 8° 8 | 19° 6 | n.a. | F 30 |
| S 31 | 11 24 16 | 22♓29'08 | 23♏30 | 12♓ 3 | 25♈25 | 27♉36 | 7♈53 | 15♐53 | 11♋11 | 3♎36 | 26♋50 | 8♍33 | 8♍ 4 | 19♋12 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 13 s58 | 3 s39 | 3n15 | 22 s44 | 1 s23 | 4 s41 | 0 s25 | 17n19 | 1n45 | 0 s25 | 1 s 3 | 22 s35 | 0n25 | 24n 2 | 0n38 | 0n15 | 2n11 | 36n26 | 15n42 | 8n30 | 8n 6 | 18n50 | | n.a. |
| F 2 | 13 38 | 7 44 | 4 6 | 22 40 | 1 31 | 4 9 | 0 22 | 17 28 | 1 45 | 0 20 | 1 3 | 22 36 | 0 25 | 24 2 | 0 38 | 0 16 | 2 11 | 36 26 | 15 42 | 8 29 | 8 7 | 18 50 | | n.a. |
| S 3 | 13 18 | 11 31 | 4 46 | 22 34 | 1 38 | 3 38 | 0 19 | 17 37 | 1 45 | 0 15 | 1 3 | 22 36 | 0 25 | 24 2 | 0 38 | 0 16 | 2 11 | 36 26 | 15 41 | 8 29 | 8 9 | 18 49 | | n.a. |
| S 4 | 12 58 | 14 46 | 5 10 | 22 27 | 1 45 | 3 6 | 0 17 | 17 47 | 1 45 | 0 10 | 1 2 | 22 37 | 0 25 | 24 2 | 0 38 | 0 17 | 2 11 | 36 26 | 15 41 | 8 29 | 8 10 | 18 49 | | n.a. |
| M 5 | 12 38 | 17 16 | 5 17 | 22 19 | 1 52 | 2 34 | 0 14 | 17 56 | 1 45 | 0 4 | 1 2 | 22 37 | 0 25 | 24 2 | 0 38 | 0 17 | 2 11 | 36 26 | 15 41 | 8 29 | 8 11 | 18 49 | | n.a. |
| T 6 | 12 17 | 18 45 | 5 4 | 22 8 | 1 58 | 2 2 | 0 11 | 18 5 | 1 44 | 0n 1 | 1 2 | 22 38 | 0 25 | 24 2 | 0 38 | 0 18 | 2 11 | 36 27 | 15 41 | 8 29 | 8 12 | 18 48 | | n.a. |
| W 7 | 11 56 | 19 3 | 4 32 | 21 57 | 2 3 | 1 30 | 0 8 | 18 14 | 1 44 | 0 6 | 1 2 | 22 38 | 0 25 | 24 3 | 0 38 | 0 18 | 2 11 | 36 27 | 15 41 | 8 30 | 8 13 | 18 48 | | n.a. |
| T 8 | 11 36 | 18 3 | 3 42 | 21 43 | 2 8 | 0 58 | 0 6 | 18 24 | 1 44 | 0 12 | 1 2 | 22 39 | 0 25 | 24 3 | 0 38 | 0 19 | 2 11 | 36 27 | 15 40 | 8 30 | 8 15 | 18 48 | | n.a. |
| F 9 | 11 15 | 15 49 | 2 36 | 21 28 | 2 12 | 0 26 | 0 3 | 18 33 | 1 44 | 0 17 | 1 2 | 22 39 | 0 25 | 24 3 | 0 38 | 0 19 | 2 11 | 36 27 | 15 40 | 8 30 | 8 16 | 18 48 | | n.a. |
| S 10 | 10 53 | 12 32 | 1 20 | 21 11 | 2 16 | 0n 6 | 0n 0 | 18 42 | 1 44 | 0 22 | 1 1 | 22 39 | 0 25 | 24 3 | 0 38 | 0 20 | 2 11 | 36 27 | 15 40 | 8 31 | 8 17 | 18 47 | | n.a. |
| S 11 | 10 32 | 8 29 | 0 s 0 | 20 53 | 2 19 | 0 38 | 0 3 | 18 51 | 1 44 | 0 28 | 1 1 | 22 40 | 0 25 | 24 3 | 0 38 | 0 20 | 2 11 | 36 27 | 15 40 | 8 31 | 8 18 | 18 47 | | n.a. |
| M12 | 10 11 | 4 1 | 1 19 | 20 33 | 2 22 | 1 10 | 0 6 | 19 0 | 1 43 | 0 33 | 1 1 | 22 40 | 0 25 | 24 3 | 0 38 | 0 21 | 2 11 | 36 27 | 15 39 | 8 31 | 8 19 | 18 47 | | n.a. |
| T 13 | 9 49 | 0n33 | 2 32 | 20 11 | 2 24 | 1 42 | 0 9 | 19 9 | 1 43 | 0 38 | 1 1 | 22 41 | 0 25 | 24 3 | 0 38 | 0 22 | 2 11 | 36 27 | 15 39 | 8 30 | 8 21 | 18 46 | | n.a. |
| W14 | 9 27 | 4 58 | 3 33 | 19 47 | 2 26 | 2 14 | 0 12 | 19 18 | 1 43 | 0 44 | 1 1 | 22 41 | 0 25 | 24 3 | 0 38 | 0 22 | 2 11 | 36 27 | 15 39 | 8 30 | 8 22 | 18 46 | | n.a. |
| T 15 | 9 5 | 9 0 | 4 21 | 19 22 | 2 27 | 2 46 | 0 15 | 19 27 | 1 43 | 0 49 | 1 1 | 22 41 | 0 25 | 24 3 | 0 38 | 0 23 | 2 11 | 36 27 | 15 39 | 8 30 | 8 23 | 18 46 | | n.a. |
| F 16 | 8 43 | 12 29 | 4 55 | 18 54 | 2 27 | 3 18 | 0 18 | 19 35 | 1 43 | 0 55 | 1 1 | 22 42 | 0 25 | 24 3 | 0 38 | 0 23 | 2 11 | 36 27 | 15 38 | 8 30 | 8 24 | 18 45 | | n.a. |
| S 17 | 8 21 | 15 18 | 5 13 | 18 25 | 2 27 | 3 49 | 0 21 | 19 44 | 1 42 | 1 0 | 1 0 | 22 42 | 0 24 | 24 3 | 0 38 | 0 24 | 2 11 | 36 27 | 15 38 | 8 30 | 8 26 | 18 45 | | n.a. |
| S 18 | 7 59 | 17 23 | 5 17 | 17 55 | 2 26 | 4 21 | 0 24 | 19 53 | 1 42 | 1 6 | 1 0 | 22 42 | 0 24 | 24 4 | 0 38 | 0 25 | 2 11 | 36 27 | 15 38 | 8 30 | 8 27 | 18 45 | | n.a. |
| M19 | 7 37 | 18 39 | 5 7 | 17 22 | 2 25 | 4 53 | 0 27 | 20 1 | 1 42 | 1 11 | 1 0 | 22 43 | 0 24 | 24 4 | 0 38 | 0 25 | 2 11 | 36 27 | 15 38 | 8 30 | 8 28 | 18 45 | | n.a. |
| T 20 | 7 14 | 19 5 | 4 44 | 16 47 | 2 23 | 5 24 | 0 30 | 20 10 | 1 42 | 1 17 | 1 0 | 22 43 | 0 24 | 24 4 | 0 38 | 0 26 | 2 11 | 36 27 | 15 37 | 8 30 | 8 29 | 18 44 | | n.a. |
| W21 | 6 52 | 18 41 | 4 8 | 16 11 | 2 21 | 5 55 | 0 33 | 20 18 | 1 42 | 1 22 | 1 0 | 22 43 | 0 24 | 24 4 | 0 38 | 0 26 | 2 11 | 36 27 | 15 37 | 8 30 | 8 30 | 18 44 | | n.a. |
| T 22 | 6 29 | 17 27 | 3 22 | 15 33 | 2 18 | 6 27 | 0 36 | 20 26 | 1 41 | 1 28 | 1 0 | 22 43 | 0 24 | 24 4 | 0 38 | 0 27 | 2 11 | 36 27 | 15 37 | 8 30 | 8 32 | 18 44 | | n.a. |
| F 23 | 6 6 | 15 26 | 2 27 | 14 53 | 2 14 | 6 58 | 0 39 | 20 35 | 1 41 | 1 33 | 1 0 | 22 44 | 0 24 | 24 4 | 0 38 | 0 28 | 2 11 | 36 27 | 15 36 | 8 30 | 8 33 | 18 43 | | n.a. |
| S 24 | 5 44 | 12 44 | 1 25 | 14 12 | 2 10 | 7 29 | 0 41 | 20 43 | 1 41 | 1 39 | 0 59 | 22 44 | 0 24 | 24 4 | 0 38 | 0 28 | 2 11 | 36 26 | 15 36 | 8 29 | 8 34 | 18 43 | | n.a. |
| S 25 | 5 21 | 9 26 | 0 18 | 13 28 | 2 6 | 7 59 | 0 44 | 20 51 | 1 41 | 1 44 | 0 59 | 22 44 | 0 24 | 24 4 | 0 38 | 0 29 | 2 11 | 36 26 | 15 36 | 8 29 | 8 35 | 18 43 | | n.a. |
| M26 | 4 58 | 5 41 | 0n51 | 12 43 | 2 1 | 8 30 | 0 47 | 20 59 | 1 41 | 1 50 | 0 59 | 22 44 | 0 24 | 24 4 | 0 38 | 0 30 | 2 11 | 36 26 | 15 35 | 8 29 | 8 36 | 18 42 | | n.a. |
| T 27 | 4 35 | 1 36 | 1 58 | 11 56 | 1 55 | 9 0 | 0 50 | 21 7 | 1 40 | 1 55 | 0 59 | 22 45 | 0 24 | 24 4 | 0 38 | 0 30 | 2 11 | 36 26 | 15 35 | 8 30 | 8 38 | 18 42 | | n.a. |
| W28 | 4 12 | 2 s37 | 3 1 | 11 7 | 1 49 | 9 30 | 0 53 | 21 15 | 1 40 | 2 1 | 0 59 | 22 45 | 0 24 | 24 4 | 0 38 | 0 31 | 2 11 | 36 26 | 15 35 | 8 30 | 8 39 | 18 41 | | n.a. |
| T 29 | 3 49 | 6 48 | 3 55 | 10 16 | 1 42 | 10 0 | 0 56 | 21 23 | 1 40 | 2 7 | 0 59 | 22 45 | 0 24 | 24 4 | 0 38 | 0 32 | 2 12 | 36 26 | 15 34 | 8 30 | 8 40 | 18 41 | | n.a. |
| F 30 | 3 26 | 10 42 | 4 38 | 9 24 | 1 35 | 10 30 | 0 59 | 21 30 | 1 40 | 2 12 | 0 59 | 22 45 | 0 24 | 24 4 | 0 38 | 0 32 | 2 12 | 36 26 | 15 34 | 8 31 | 8 41 | 18 41 | | n.a. |
| S 31 | 3 s 2 | 14 s 6 | 5n 5 | 8 s31 | 1 s27 | 10n59 | 1n 2 | 21n38 | 1n39 | 2n18 | 0 s59 | 22 s46 | 0n24 | 24n 4 | 0n38 | 0n33 | 2n12 | 36n25 | 15n34 | 8n32 | 8n43 | 18n40 | | n.a. |

Julian Day Number = 996095.5, Delta T = 12h56m44s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'07, Lahiri = -31°20'07 Julian Calendar 1 March 1986 BCE == Greg. Calendar 12 Feb. 1986 BCE

The year -1985 astronomical counting style corresponds to year 1986 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## APRIL 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 28 12 | 23♓26'43 | 7♐19 | 14♓ 5 | 26♈37 | 28♉ 9 | 8♈ 7 | 15♐54 | 11°R11 | 3°R34 | 26°R50 | 8°R32 | 8♍ 1 | 19♋19 | n.a. | S 1 |
| M 2 | 11 32 9 | 24°24'17 | 21°18 | 16° 8 | 27°48 | 28°43 | 8°20 | 15°55 | 11♋10 | 3♎33 | 26♋49 | 8°D31 | 7°58 | 19°26 | n.a. | M 2 |
| T 3 | 11 36 5 | 25°21'49 | 5♑28 | 18°13 | 28°59 | 29°16 | 8°34 | 15°56 | 11°10 | 3°31 | 26°48 | 8♍31 | 7°55 | 19°33 | n.a. | T 3 |
| W 4 | 11 40 2 | 26°19'21 | 19°47 | 20°20 | 0♉10 | 29°50 | 8°48 | 15°57 | 11°10 | 3°29 | 26°48 | 8°32 | 7°52 | 19°39 | n.a. | W 4 |
| T 5 | 11 43 58 | 27°16'52 | 4♒10 | 22°27 | 1°21 | 0♊23 | 9° 1 | 15°58 | 11°10 | 3°28 | 26°47 | 8°33 | 7°49 | 19°46 | n.a. | T 5 |
| F 6 | 11 47 55 | 28°14'21 | 18°36 | 24°36 | 2°32 | 0°57 | 9°15 | 15°58 | 11°D10 | 3°26 | 26°46 | 8°35 | 7°45 | 19°53 | n.a. | F 6 |
| S 7 | 11 51 51 | 29°11'50 | 3♓ 0 | 26°46 | 3°43 | 1°30 | 9°29 | 15°59 | 11°10 | 3°25 | 26°46 | 8°R35 | 7°42 | 19°59 | n.a. | S 7 |
| S 8 | 11 55 48 | 0♈ 9'17 | 17°17 | 28°56 | 4°54 | 2° 4 | 9°43 | 16° 0 | 11°10 | 3°23 | 26°45 | 8°35 | 7°39 | 20° 6 | n.a. | S 8 |
| M 9 | 11 59 45 | 1° 6'43 | 1♈23 | 1♈ 7 | 6° 4 | 2°38 | 9°57 | 16° 0 | 11°10 | 3°21 | 26°45 | 8°34 | 7°36 | 20°13 | n.a. | M 9 |
| T 10 | 12 3 41 | 2° 4'08 | 15°13 | 3°19 | 7°15 | 3°12 | 10°10 | 16° 0 | 11°11 | 3°20 | 26°44 | 8°32 | 7°33 | 20°19 | n.a. | T 10 |
| W11 | 12 7 38 | 3° 1'32 | 28°44 | 5°30 | 8°26 | 3°46 | 10°24 | 16° 1 | 11°11 | 3°18 | 26°44 | 8°28 | 7°29 | 20°26 | n.a. | W11 |
| T 12 | 12 11 34 | 3°58'54 | 11♉55 | 7°41 | 9°36 | 4°20 | 10°38 | 16° 1 | 11°11 | 3°16 | 26°43 | 8°25 | 7°26 | 20°33 | n.a. | T 12 |
| F 13 | 12 15 31 | 4°56'15 | 24°45 | 9°51 | 10°47 | 4°54 | 10°52 | 16°R 1 | 11°12 | 3°15 | 26°43 | 8°21 | 7°23 | 20°39 | n.a. | F 13 |
| S 14 | 12 19 27 | 5°53'35 | 7♊17 | 12° 1 | 11°57 | 5°29 | 11° 6 | 16° 1 | 11°12 | 3°13 | 26°43 | 8°17 | 7°20 | 20°46 | n.a. | S 14 |
| S 15 | 12 23 24 | 6°50'54 | 19°32 | 14°10 | 13° 7 | 6° 3 | 11°19 | 16° 1 | 11°12 | 3°12 | 26°42 | 8°15 | 7°17 | 20°53 | n.a. | S 15 |
| M16 | 12 27 20 | 7°48'12 | 1♋34 | 16°17 | 14°17 | 6°37 | 11°33 | 16° 1 | 11°13 | 3°10 | 26°42 | 8°14 | 7°14 | 20°59 | n.a. | M16 |
| T 17 | 12 31 17 | 8°45'28 | 13°28 | 18°22 | 15°28 | 7°12 | 11°47 | 16° 0 | 11°14 | 3° 8 | 26°42 | 8°D14 | 7°10 | 21° 6 | n.a. | T 17 |
| W18 | 12 35 14 | 9°42'43 | 25°19 | 20°26 | 16°38 | 7°46 | 12° 1 | 16° 0 | 11°14 | 3° 7 | 26°42 | 8°14 | 7° 7 | 21°13 | n.a. | W18 |
| T 19 | 12 39 10 | 10°39'57 | 7♌12 | 22°28 | 17°47 | 8°21 | 12°15 | 15°59 | 11°15 | 3° 5 | 26°41 | 8°16 | 7° 4 | 21°20 | n.a. | T 19 |
| F 20 | 12 43 7 | 11°37'10 | 19°11 | 24°28 | 18°57 | 8°55 | 12°29 | 15°59 | 11°16 | 3° 4 | 26°41 | 8°18 | 7° 1 | 21°26 | n.a. | F 20 |
| S 21 | 12 47 3 | 12°34'21 | 1♍21 | 26°26 | 20° 7 | 9°30 | 12°43 | 15°58 | 11°16 | 3° 2 | 26°41 | 8°19 | 6°58 | 21°33 | n.a. | S 21 |
| S 22 | 12 51 0 | 13°31'32 | 13°44 | 28°21 | 21°17 | 10° 5 | 12°56 | 15°57 | 11°17 | 3° 0 | 26°41 | 8°R19 | 6°54 | 21°40 | n.a. | S 22 |
| M23 | 12 54 56 | 14°28'42 | 26°25 | 0♉15 | 22°26 | 10°40 | 13°10 | 15°56 | 11°18 | 2°59 | 26°41 | 8°18 | 6°51 | 21°46 | n.a. | M23 |
| T 24 | 12 58 53 | 15°25'51 | 9♎23 | 2° 5 | 23°36 | 11°15 | 13°24 | 15°55 | 11°19 | 2°57 | 26°41 | 8°14 | 6°48 | 21°53 | n.a. | T 24 |
| W25 | 13 2 49 | 16°22'59 | 22°40 | 3°54 | 24°45 | 11°50 | 13°38 | 15°54 | 11°20 | 2°56 | 26°D41 | 8°10 | 6°45 | 22° 0 | n.a. | W25 |
| T 26 | 13 6 46 | 17°20'06 | 6♏13 | 5°39 | 25°54 | 12°25 | 13°52 | 15°53 | 11°21 | 2°54 | 26°41 | 8° 4 | 6°42 | 22° 6 | n.a. | T 26 |
| F 27 | 13 10 43 | 18°17'13 | 20° 1 | 7°22 | 27° 4 | 13° 0 | 14° 6 | 15°52 | 11°22 | 2°52 | 26°41 | 7°58 | 6°39 | 22°13 | n.a. | F 27 |
| S 28 | 13 14 39 | 19°14'20 | 4♐ 0 | 9° 3 | 28°13 | 13°35 | 14°19 | 15°50 | 11°23 | 2°51 | 26°41 | 7°52 | 6°35 | 22°20 | n.a. | S 28 |
| S 29 | 13 18 36 | 20°11'26 | 18° 6 | 10°41 | 29°22 | 14°10 | 14°33 | 15°49 | 11°25 | 2°49 | 26°41 | 7°47 | 6°32 | 22°26 | n.a. | S 29 |
| M30 | 13 22 32 | 21♈ 8'32 | 2♑17 | 12♉17 | 0♊30 | 14♊45 | 14♈47 | 15♐47 | 11♋26 | 2♎48 | 26♋41 | 7♍44 | 6♍29 | 22♋33 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s39 | 16s46 | 5n16 | 7s35 | 1s19 | 11n28 | 1n 5 | 21n45 | 1n39 | 2n23 | 0s58 | 22s46 | 0n24 | 24n 4 | 0n38 | 0n34 | 2n12 | 36n25 | 15n33 | 8n32 | 8n44 | 18n40 | | n.a. |
| M 2 | 2 16 | 18 30 | 5 8 | 6 39 | 1 10 | 11 57 | 1 8 | 21 53 | 1 39 | 2 29 | 0 58 | 22 46 | 0 24 | 24 4 | 0 38 | 0 34 | 2 12 | 36 25 | 15 33 | 8 32 | 8 45 | 18 40 | | n.a. |
| T 3 | 1 53 | 19 7 | 4 42 | 5 41 | 1 1 | 12 26 | 1 11 | 22 0 | 1 39 | 2 34 | 0 58 | 22 46 | 0 24 | 24 4 | 0 38 | 0 35 | 2 12 | 36 25 | 15 33 | 8 32 | 8 46 | 18 39 | | n.a. |
| W 4 | 1 29 | 18 30 | 3 58 | 4 41 | 0 51 | 12 54 | 1 13 | 22 7 | 1 39 | 2 40 | 0 58 | 22 46 | 0 24 | 24 4 | 0 38 | 0 35 | 2 12 | 36 25 | 15 32 | 8 32 | 8 47 | 18 39 | | n.a. |
| T 5 | 1 6 | 16 42 | 2 59 | 3 41 | 0 42 | 13 22 | 1 16 | 22 14 | 1 38 | 2 46 | 0 58 | 22 46 | 0 24 | 24 4 | 0 38 | 0 36 | 2 12 | 36 24 | 15 32 | 8 31 | 8 49 | 18 39 | | n.a. |
| F 6 | 0 43 | 13 50 | 1 48 | 2 40 | 0 31 | 13 50 | 1 19 | 22 21 | 1 38 | 2 51 | 0 58 | 22 46 | 0 24 | 24 4 | 0 38 | 0 37 | 2 12 | 36 24 | 15 31 | 8 31 | 8 50 | 18 38 | | n.a. |
| S 7 | 0 20 | 10 8 | 0 31 | 1 38 | 0 21 | 14 17 | 1 22 | 22 28 | 1 38 | 2 57 | 0 58 | 22 47 | 0 24 | 24 4 | 0 38 | 0 37 | 2 12 | 36 24 | 15 31 | 8 31 | 8 51 | 18 38 | | n.a. |
| S 8 | 0n 4 | 5 51 | 0s48 | 0 36 | 0 11 | 14 44 | 1 24 | 22 35 | 1 38 | 3 2 | 0 58 | 22 47 | 0 24 | 24 4 | 0 38 | 0 38 | 2 12 | 36 24 | 15 31 | 8 31 | 8 52 | 18 37 | | n.a. |
| M 9 | 0 27 | 1 18 | 2 2 | 0n27 | 0 0 | 15 11 | 1 27 | 22 42 | 1 37 | 3 8 | 0 58 | 22 47 | 0 23 | 24 4 | 0 37 | 0 39 | 2 12 | 36 23 | 15 30 | 8 31 | 8 53 | 18 37 | | n.a. |
| T 10 | 0 50 | 3n13 | 3 8 | 1 30 | 0n10 | 15 37 | 1 30 | 22 48 | 1 37 | 3 14 | 0 57 | 22 47 | 0 23 | 24 4 | 0 37 | 0 39 | 2 12 | 36 23 | 15 30 | 8 32 | 8 55 | 18 37 | | n.a. |
| W11 | 1 14 | 7 29 | 4 2 | 2 33 | 0 21 | 16 3 | 1 32 | 22 55 | 1 37 | 3 19 | 0 57 | 22 47 | 0 23 | 24 4 | 0 37 | 0 40 | 2 12 | 36 23 | 15 30 | 8 33 | 8 56 | 18 36 | | n.a. |
| T 12 | 1 37 | 11 16 | 4 41 | 3 35 | 0 31 | 16 28 | 1 35 | 23 1 | 1 37 | 3 25 | 0 57 | 22 47 | 0 23 | 24 4 | 0 37 | 0 41 | 2 12 | 36 23 | 15 29 | 8 35 | 8 57 | 18 36 | | n.a. |
| F 13 | 2 0 | 14 25 | 5 5 | 4 37 | 0 41 | 16 53 | 1 37 | 23 7 | 1 36 | 3 31 | 0 57 | 22 47 | 0 23 | 24 4 | 0 37 | 0 41 | 2 12 | 36 22 | 15 29 | 8 36 | 8 58 | 18 35 | | n.a. |
| S 14 | 2 23 | 16 49 | 5 14 | 5 38 | 0 51 | 17 18 | 1 40 | 23 13 | 1 36 | 3 36 | 0 57 | 22 47 | 0 23 | 24 3 | 0 37 | 0 42 | 2 12 | 36 22 | 15 28 | 8 38 | 8 59 | 18 35 | | n.a. |
| S 15 | 2 46 | 18 23 | 5 8 | 6 37 | 1 1 | 17 42 | 1 42 | 23 19 | 1 36 | 3 42 | 0 57 | 22 47 | 0 23 | 24 3 | 0 37 | 0 43 | 2 12 | 36 22 | 15 28 | 8 39 | 9 1 | 18 35 | | n.a. |
| M16 | 3 9 | 19 7 | 4 48 | 7 36 | 1 10 | 18 6 | 1 44 | 23 25 | 1 36 | 3 47 | 0 57 | 22 47 | 0 23 | 24 3 | 0 37 | 0 43 | 2 12 | 36 21 | 15 28 | 8 39 | 9 2 | 18 34 | | n.a. |
| T 17 | 3 32 | 18 58 | 4 16 | 8 33 | 1 19 | 18 30 | 1 47 | 23 31 | 1 35 | 3 53 | 0 57 | 22 47 | 0 23 | 24 3 | 0 37 | 0 44 | 2 12 | 36 21 | 15 27 | 8 39 | 9 3 | 18 34 | | n.a. |
| W18 | 3 55 | 18 0 | 3 34 | 9 29 | 1 27 | 18 52 | 1 49 | 23 36 | 1 35 | 3 59 | 0 57 | 22 47 | 0 23 | 24 3 | 0 37 | 0 45 | 2 12 | 36 21 | 15 27 | 8 39 | 9 4 | 18 33 | | n.a. |
| T 19 | 4 18 | 16 14 | 2 42 | 10 23 | 1 35 | 19 15 | 1 51 | 23 42 | 1 35 | 4 4 | 0 57 | 22 47 | 0 23 | 24 3 | 0 37 | 0 45 | 2 12 | 36 20 | 15 26 | 8 38 | 9 5 | 18 33 | | n.a. |
| F 20 | 4 41 | 13 45 | 1 43 | 11 15 | 1 42 | 19 37 | 1 53 | 23 47 | 1 35 | 4 10 | 0 57 | 22 47 | 0 23 | 24 3 | 0 37 | 0 46 | 2 12 | 36 20 | 15 26 | 8 37 | 9 7 | 18 32 | | n.a. |
| S 21 | 5 4 | 10 37 | 0 38 | 12 5 | 1 48 | 19 58 | 1 55 | 23 52 | 1 34 | 4 15 | 0 56 | 22 47 | 0 23 | 24 3 | 0 37 | 0 47 | 2 12 | 36 19 | 15 25 | 8 37 | 9 8 | 18 32 | | n.a. |
| S 22 | 5 26 | 6 58 | 0n30 | 12 53 | 1 54 | 20 19 | 1 57 | 23 57 | 1 34 | 4 21 | 0 56 | 22 47 | 0 23 | 24 3 | 0 37 | 0 47 | 2 12 | 36 19 | 15 25 | 8 37 | 9 9 | 18 32 | | n.a. |
| M23 | 5 49 | 2 56 | 1 37 | 13 39 | 2 0 | 20 40 | 1 59 | 24 2 | 1 34 | 4 26 | 0 56 | 22 47 | 0 23 | 24 3 | 0 37 | 0 48 | 2 12 | 36 19 | 15 25 | 8 38 | 9 10 | 18 31 | | n.a. |
| T 24 | 6 12 | 1s20 | 2 41 | 14 22 | 2 4 | 21 0 | 2 1 | 24 7 | 1 33 | 4 32 | 0 56 | 22 47 | 0 23 | 24 3 | 0 37 | 0 48 | 2 12 | 36 18 | 15 24 | 8 39 | 9 11 | 18 31 | | n.a. |
| W25 | 6 34 | 5 38 | 3 38 | 15 4 | 2 8 | 21 19 | 2 3 | 24 12 | 1 33 | 4 37 | 0 56 | 22 47 | 0 23 | 24 2 | 0 37 | 0 49 | 2 11 | 36 18 | 15 24 | 8 40 | 9 13 | 18 30 | | n.a. |
| T 26 | 6 56 | 9 43 | 4 23 | 15 44 | 2 11 | 21 38 | 2 4 | 24 16 | 1 33 | 4 43 | 0 56 | 22 47 | 0 23 | 24 2 | 0 37 | 0 50 | 2 11 | 36 17 | 15 23 | 8 43 | 9 14 | 18 30 | | n.a. |
| F 27 | 7 19 | 13 22 | 4 55 | 16 21 | 2 14 | 21 56 | 2 6 | 24 21 | 1 33 | 4 48 | 0 56 | 22 47 | 0 23 | 24 2 | 0 37 | 0 50 | 2 11 | 36 17 | 15 23 | 8 45 | 9 15 | 18 29 | | n.a. |
| S 28 | 7 41 | 16 19 | 5 9 | 16 56 | 2 15 | 22 14 | 2 7 | 24 25 | 1 32 | 4 54 | 0 56 | 22 47 | 0 22 | 24 2 | 0 37 | 0 51 | 2 11 | 36 17 | 15 22 | 8 47 | 9 16 | 18 29 | | n.a. |
| S 29 | 8 3 | 18 19 | 5 5 | 17 29 | 2 16 | 22 31 | 2 9 | 24 29 | 1 32 | 5 0 | 0 56 | 22 47 | 0 22 | 24 2 | 0 37 | 0 51 | 2 11 | 36 16 | 15 22 | 8 49 | 9 17 | 18 28 | | n.a. |
| M30 | 8n25 | 19s12 | 4n42 | 18n 0 | 2n17 | 22n47 | 2n10 | 24n33 | 1n32 | 5n 5 | 0s56 | 22s46 | 0n22 | 24n 2 | 0n37 | 0n52 | 2n11 | 36n16 | 15n22 | 8n50 | 9n19 | 18n28 | | n.a. |

Julian Day Number = 996126.5, Delta T = 12h56m42s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°27'03, Lahiri = -31°20'03 Julian Calendar 1 Apr. 1986 BCE == Greg. Calendar 15 March 1986 BCE


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## MAY 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 26 29 | 22♈ 5'38 | 16♉29 | 13♉50 | 1♊39 | 15♊20 | 15♈ 1 | 15°R46 | 11♋27 | 2°R46 | 26♋42 | 7°D42 | 6♍26 | 22♋40 | n.a. | T 1 |
| W 2 | 13 30 25 | 23° 2'44 | 0♒40 | 15°20 | 2°48 | 15°56 | 15°15 | 15♐44 | 11°29 | 2♎45 | 26°42 | 7♍42 | 6°23 | 22°46 | n.a. | W 2 |
| T 3 | 13 34 22 | 23°59'49 | 14°48 | 16°47 | 3°56 | 16°31 | 15°28 | 15°42 | 11°30 | 2°43 | 26°42 | 7°43 | 6°20 | 22°53 | n.a. | T 3 |
| F 4 | 13 38 19 | 24°56'55 | 28°52 | 18°12 | 5° 5 | 17° 7 | 15°42 | 15°40 | 11°31 | 2°42 | 26°42 | 7°44 | 6°16 | 23° 0 | n.a. | F 4 |
| S 5 | 13 42 15 | 25°54'00 | 12♓51 | 19°35 | 6°13 | 17°42 | 15°56 | 15°38 | 11°33 | 2°40 | 26°43 | 7°R44 | 6°13 | 23° 6 | n.a. | S 5 |
| S 6 | 13 46 12 | 26°51'05 | 26°42 | 20°54 | 7°21 | 18°18 | 16°10 | 15°36 | 11°34 | 2°39 | 26°43 | 7°43 | 6°10 | 23°13 | n.a. | S 6 |
| M 7 | 13 50 8 | 27°48'10 | 10♈23 | 22°11 | 8°29 | 18°53 | 16°23 | 15°34 | 11°36 | 2°38 | 26°43 | 7°39 | 6° 7 | 23°20 | n.a. | M 7 |
| T 8 | 13 54 5 | 28°45'14 | 23°52 | 23°25 | 9°37 | 19°29 | 16°37 | 15°31 | 11°38 | 2°36 | 26°44 | 7°33 | 6° 4 | 23°27 | n.a. | T 8 |
| W 9 | 13 58 1 | 29°42'19 | 7♉ 8 | 24°36 | 10°45 | 20° 5 | 16°51 | 15°29 | 11°39 | 2°35 | 26°44 | 7°25 | 6° 0 | 23°33 | n.a. | W 9 |
| T 10 | 14 1 58 | 0♉39'23 | 20° 7 | 25°43 | 11°53 | 20°41 | 17° 4 | 15°27 | 11°41 | 2°33 | 26°45 | 7°16 | 5°57 | 23°40 | n.a. | T 10 |
| F 11 | 14 5 54 | 1°36'27 | 2♊50 | 26°48 | 13° 1 | 21°17 | 17°18 | 15°24 | 11°43 | 2°32 | 26°45 | 7° 7 | 5°54 | 23°47 | n.a. | F 11 |
| S 12 | 14 9 51 | 2°33'31 | 15°17 | 27°50 | 14° 8 | 21°52 | 17°32 | 15°22 | 11°45 | 2°31 | 26°46 | 6°58 | 5°51 | 23°53 | n.a. | S 12 |
| S 13 | 14 13 48 | 3°30'35 | 27°30 | 28°49 | 15°16 | 22°28 | 17°45 | 15°19 | 11°47 | 2°29 | 26°46 | 6°51 | 5°48 | 24° 0 | n.a. | S 13 |
| M14 | 14 17 44 | 4°27'38 | 9♋31 | 29°44 | 16°23 | 23° 5 | 17°59 | 15°16 | 11°49 | 2°28 | 26°47 | 6°46 | 5°45 | 24° 7 | n.a. | M14 |
| T 15 | 14 21 41 | 5°24'41 | 21°24 | 0♊36 | 17°30 | 23°41 | 18°12 | 15°13 | 11°51 | 2°27 | 26°47 | 6°43 | 5°41 | 24°13 | n.a. | T 15 |
| W16 | 14 25 37 | 6°21'44 | 3♌14 | 1°25 | 18°37 | 24°17 | 18°26 | 15°10 | 11°53 | 2°25 | 26°48 | 6°D42 | 5°38 | 24°20 | n.a. | W16 |
| T 17 | 14 29 34 | 7°18'46 | 15° 6 | 2° 9 | 19°43 | 24°53 | 18°39 | 15° 7 | 11°55 | 2°24 | 26°49 | 6°42 | 5°35 | 24°27 | n.a. | T 17 |
| F 18 | 14 33 30 | 8°15'49 | 27° 5 | 2°50 | 20°50 | 25°29 | 18°52 | 15° 4 | 11°57 | 2°23 | 26°49 | 6°43 | 5°32 | 24°33 | n.a. | F 18 |
| S 19 | 14 37 27 | 9°12'51 | 9♍17 | 3°28 | 21°57 | 26° 6 | 19° 6 | 15° 1 | 11°59 | 2°22 | 26°50 | 6°R43 | 5°29 | 24°40 | n.a. | S 19 |
| S 20 | 14 41 24 | 10° 9'53 | 21°46 | 4° 1 | 23° 3 | 26°42 | 19°19 | 14°58 | 12° 1 | 2°20 | 26°51 | 6°42 | 5°25 | 24°47 | n.a. | S 20 |
| M21 | 14 45 20 | 11° 6'55 | 4♎35 | 4°30 | 24° 9 | 27°18 | 19°33 | 14°55 | 12° 3 | 2°19 | 26°52 | 6°39 | 5°22 | 24°53 | n.a. | M21 |
| T 22 | 14 49 17 | 12° 3'57 | 17°47 | 4°55 | 25°15 | 27°55 | 19°46 | 14°51 | 12° 6 | 2°18 | 26°53 | 6°33 | 5°19 | 25° 0 | n.a. | T 22 |
| W23 | 14 53 13 | 13° 0'59 | 1♏22 | 5°15 | 26°21 | 28°31 | 19°59 | 14°48 | 12° 8 | 2°17 | 26°53 | 6°25 | 5°16 | 25° 7 | n.a. | W23 |
| T 24 | 14 57 10 | 13°58'01 | 15°19 | 5°31 | 27°26 | 29° 8 | 20°12 | 14°44 | 12°10 | 2°16 | 26°54 | 6°16 | 5°13 | 25°13 | n.a. | T 24 |
| F 25 | 15 1 6 | 14°55'04 | 29°33 | 5°42 | 28°32 | 29°45 | 20°25 | 14°41 | 12°13 | 2°15 | 26°55 | 6° 5 | 5°10 | 25°20 | n.a. | F 25 |
| S 26 | 15 5 3 | 15°52'08 | 13♐59 | 5°49 | 29°37 | 0♋21 | 20°39 | 14°37 | 12°15 | 2°14 | 26°56 | 5°55 | 5° 6 | 25°27 | n.a. | S 26 |
| S 27 | 15 8 59 | 16°49'11 | 28°30 | 5°R51 | 0♋42 | 0°58 | 20°52 | 14°34 | 12°18 | 2°13 | 26°57 | 5°47 | 5° 3 | 25°33 | n.a. | S 27 |
| M28 | 15 12 56 | 17°46'16 | 13♑ 0 | 5°48 | 1°47 | 1°35 | 21° 5 | 14°30 | 12°20 | 2°12 | 26°58 | 5°41 | 5° 0 | 25°40 | n.a. | M28 |
| T 29 | 15 16 53 | 18°43'21 | 27°25 | 5°40 | 2°51 | 2°12 | 21°18 | 14°26 | 12°23 | 2°11 | 26°59 | 5°37 | 4°57 | 25°47 | n.a. | T 29 |
| W30 | 15 20 49 | 19°40'27 | 11♒39 | 5°28 | 3°56 | 2°48 | 21°31 | 14°22 | 12°25 | 2°10 | 27° 0 | 5°36 | 4°54 | 25°53 | n.a. | W30 |
| T 31 | 15 24 46 | 20♉37'34 | 25♒43 | 5♊11 | 5♋ 0 | 3♋25 | 21♈44 | 14♐18 | 12♋28 | 2♎ 9 | 27♋ 1 | 5°D36 | 4♍51 | 26♋ 0 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 8n46 | 18s53 | 4n 2 | 18n28 | 2n16 | 23n 3 | 2n12 | 24n37 | 1n31 | 5n10 | 0s56 | 22s46 | 0n22 | 24n 2 | 0n37 | 0n53 | 2n11 | 36n15 | 15n21 | 8n51 | 9n20 | 18n27 | | | n.a. |
| W 2 | 9 8 | 17 22 | 3 7 | 18 55 | 2 15 | 23 18 | 2 13 | 24 40 | 1 31 | 5 16 | 0 56 | 22 46 | 0 22 | 24 2 | 0 37 | 0 53 | 2 11 | 36 15 | 15 21 | 8 51 | 9 21 | 18 27 | | | n.a. |
| T 3 | 9 29 | 14 48 | 2 1 | 19 19 | 2 13 | 23 33 | 2 14 | 24 44 | 1 31 | 5 21 | 0 56 | 22 46 | 0 22 | 24 1 | 0 37 | 0 54 | 2 11 | 36 14 | 15 20 | 8 51 | 9 22 | 18 27 | | | n.a. |
| F 4 | 9 51 | 11 21 | 0 48 | 19 41 | 2 11 | 23 47 | 2 15 | 24 47 | 1 31 | 5 27 | 0 56 | 22 46 | 0 22 | 24 1 | 0 37 | 0 54 | 2 11 | 36 14 | 15 20 | 8 50 | 9 23 | 18 26 | | | n.a. |
| S 5 | 10 12 | 7 17 | 0s28 | 20 1 | 2 8 | 24 1 | 2 16 | 24 50 | 1 30 | 5 32 | 0 56 | 22 46 | 0 22 | 24 1 | 0 37 | 0 55 | 2 11 | 36 13 | 15 19 | 8 50 | 9 25 | 18 26 | | | n.a. |
| S 6 | 10 33 | 2 52 | 1 40 | 20 20 | 2 4 | 24 13 | 2 17 | 24 53 | 1 30 | 5 38 | 0 55 | 22 46 | 0 22 | 24 1 | 0 37 | 0 56 | 2 11 | 36 13 | 15 19 | 8 51 | 9 26 | 18 25 | | | n.a. |
| M 7 | 10 54 | 1n39 | 2 47 | 20 36 | 1 59 | 24 26 | 2 18 | 24 56 | 1 30 | 5 43 | 0 55 | 22 45 | 0 22 | 24 1 | 0 37 | 0 56 | 2 11 | 36 12 | 15 19 | 8 52 | 9 27 | 18 25 | | | n.a. |
| T 8 | 11 15 | 6 1 | 3 42 | 20 50 | 1 54 | 24 37 | 2 18 | 24 59 | 1 29 | 5 49 | 0 55 | 22 45 | 0 22 | 24 1 | 0 37 | 0 57 | 2 11 | 36 12 | 15 18 | 8 54 | 9 28 | 18 24 | | | n.a. |
| W 9 | 11 35 | 10 0 | 4 25 | 21 3 | 1 48 | 24 48 | 2 19 | 25 1 | 1 29 | 5 54 | 0 55 | 22 45 | 0 22 | 24 0 | 0 37 | 0 57 | 2 11 | 36 11 | 15 18 | 8 57 | 9 29 | 18 24 | | | n.a. |
| T 10 | 11 56 | 13 26 | 4 52 | 21 13 | 1 42 | 24 58 | 2 19 | 25 4 | 1 29 | 5 59 | 0 55 | 22 45 | 0 22 | 24 0 | 0 37 | 0 58 | 2 11 | 36 11 | 15 17 | 9 1 | 9 31 | 18 23 | | | n.a. |
| F 11 | 12 16 | 16 10 | 5 5 | 21 22 | 1 34 | 25 8 | 2 20 | 25 6 | 1 29 | 6 5 | 0 55 | 22 45 | 0 22 | 24 0 | 0 37 | 0 58 | 2 11 | 36 10 | 15 17 | 9 4 | 9 32 | 18 23 | | | n.a. |
| S 12 | 12 36 | 18 5 | 5 3 | 21 29 | 1 26 | 25 16 | 2 20 | 25 8 | 1 28 | 6 10 | 0 55 | 22 44 | 0 22 | 24 0 | 0 37 | 0 59 | 2 11 | 36 10 | 15 16 | 9 8 | 9 33 | 18 22 | | | n.a. |
| S 13 | 12 56 | 19 7 | 4 46 | 21 34 | 1 18 | 25 24 | 2 20 | 25 10 | 1 28 | 6 15 | 0 55 | 22 44 | 0 22 | 24 0 | 0 37 | 0 59 | 2 11 | 36 9 | 15 16 | 9 10 | 9 34 | 18 22 | | | n.a. |
| M14 | 13 16 | 19 17 | 4 18 | 21 37 | 1 9 | 25 32 | 2 20 | 25 12 | 1 28 | 6 21 | 0 55 | 22 44 | 0 21 | 23 59 | 0 37 | 1 0 | 2 11 | 36 9 | 15 16 | 9 12 | 9 35 | 18 21 | | | n.a. |
| T 15 | 13 35 | 18 35 | 3 38 | 21 39 | 0 59 | 25 39 | 2 20 | 25 13 | 1 27 | 6 26 | 0 55 | 22 44 | 0 21 | 23 59 | 0 37 | 1 0 | 2 11 | 36 8 | 15 15 | 9 13 | 9 37 | 18 21 | | | n.a. |
| W16 | 13 55 | 17 5 | 2 49 | 21 39 | 0 48 | 25 45 | 2 20 | 25 15 | 1 27 | 6 31 | 0 55 | 22 43 | 0 21 | 23 59 | 0 37 | 1 1 | 2 11 | 36 8 | 15 15 | 9 14 | 9 38 | 18 20 | | | n.a. |
| T 17 | 14 14 | 14 50 | 1 53 | 21 37 | 0 37 | 25 50 | 2 20 | 25 16 | 1 27 | 6 36 | 0 55 | 22 43 | 0 21 | 23 59 | 0 36 | 1 1 | 2 11 | 36 7 | 15 14 | 9 14 | 9 39 | 18 20 | | | n.a. |
| F 18 | 14 33 | 11 56 | 0 51 | 21 34 | 0 26 | 25 55 | 2 20 | 25 17 | 1 26 | 6 42 | 0 55 | 22 43 | 0 21 | 23 59 | 0 36 | 1 2 | 2 11 | 36 6 | 15 14 | 9 14 | 9 40 | 18 19 | | | n.a. |
| S 19 | 14 51 | 8 27 | 0n14 | 21 29 | 0 13 | 25 59 | 2 19 | 25 18 | 1 26 | 6 47 | 0 55 | 22 43 | 0 21 | 23 58 | 0 36 | 1 2 | 2 11 | 36 6 | 15 14 | 9 13 | 9 41 | 18 18 | | | n.a. |
| S 20 | 15 10 | 4 33 | 1 20 | 21 23 | 0 1 | 26 2 | 2 18 | 25 18 | 1 26 | 6 52 | 0 55 | 22 42 | 0 21 | 23 58 | 0 36 | 1 3 | 2 11 | 36 5 | 15 13 | 9 14 | 9 42 | 18 18 | | | n.a. |
| M21 | 15 28 | 0 19 | 2 23 | 21 16 | 0s12 | 26 5 | 2 18 | 25 19 | 1 25 | 6 57 | 0 55 | 22 42 | 0 21 | 23 58 | 0 36 | 1 3 | 2 11 | 36 5 | 15 13 | 9 15 | 9 44 | 18 17 | | | n.a. |
| T 22 | 15 46 | 4s 2 | 3 21 | 21 7 | 0 26 | 26 7 | 2 17 | 25 19 | 1 25 | 7 2 | 0 55 | 22 42 | 0 21 | 23 58 | 0 36 | 1 3 | 2 11 | 36 4 | 15 12 | 9 17 | 9 45 | 18 17 | | | n.a. |
| W23 | 16 3 | 8 19 | 4 8 | 20 57 | 0 40 | 26 8 | 2 16 | 25 19 | 1 25 | 7 7 | 0 55 | 22 41 | 0 21 | 23 57 | 0 36 | 1 4 | 2 11 | 36 4 | 15 12 | 9 20 | 9 46 | 18 16 | | | n.a. |
| T 24 | 16 21 | 12 15 | 4 43 | 20 45 | 0 55 | 26 9 | 2 15 | 25 19 | 1 24 | 7 12 | 0 55 | 22 41 | 0 21 | 23 57 | 0 36 | 1 4 | 2 10 | 36 3 | 15 11 | 9 24 | 9 47 | 18 16 | | | n.a. |
| F 25 | 16 38 | 15 34 | 5 1 | 20 33 | 1 10 | 26 8 | 2 14 | 25 19 | 1 24 | 7 17 | 0 55 | 22 41 | 0 21 | 23 57 | 0 36 | 1 5 | 2 10 | 36 2 | 15 11 | 9 28 | 9 48 | 18 15 | | | n.a. |
| S 26 | 16 55 | 17 59 | 5 0 | 20 19 | 1 25 | 26 8 | 2 12 | 25 19 | 1 24 | 7 23 | 0 55 | 22 40 | 0 21 | 23 57 | 0 36 | 1 5 | 2 10 | 36 2 | 15 11 | 9 31 | 9 50 | 18 15 | | | n.a. |
| S 27 | 17 12 | 19 15 | 4 39 | 20 5 | 1 40 | 26 6 | 2 11 | 25 18 | 1 23 | 7 28 | 0 55 | 22 40 | 0 21 | 23 56 | 0 36 | 1 5 | 2 10 | 36 1 | 15 10 | 9 34 | 9 51 | 18 14 | | | n.a. |
| M28 | 17 28 | 19 16 | 4 1 | 19 49 | 1 55 | 26 4 | 2 9 | 25 18 | 1 23 | 7 33 | 0 55 | 22 40 | 0 20 | 23 56 | 0 36 | 1 6 | 2 10 | 36 1 | 15 10 | 9 37 | 9 52 | 18 14 | | | n.a. |
| T 29 | 17 44 | 18 2 | 3 8 | 19 33 | 2 10 | 26 1 | 2 8 | 25 17 | 1 23 | 7 38 | 0 55 | 22 39 | 0 20 | 23 56 | 0 36 | 1 6 | 2 10 | 36 0 | 15 10 | 9 38 | 9 53 | 18 13 | | | n.a. |
| W30 | 18 0 | 15 40 | 2 3 | 19 16 | 2 25 | 25 57 | 2 6 | 25 16 | 1 22 | 7 43 | 0 55 | 22 39 | 0 20 | 23 56 | 0 36 | 1 6 | 2 10 | 35 59 | 15 9 | 9 39 | 9 54 | 18 12 | | | n.a. |
| T 31 | 18n16 | 12s23 | 0n52 | 18n58 | 2s40 | 25n53 | 2n 4 | 25n15 | 1n22 | 7n47 | 0s55 | 22s38 | 0n20 | 23n55 | 0n36 | 1n 7 | 2n10 | 35n59 | 15n 9 | 9n39 | 9n56 | 18n12 | | | n.a. |

Julian Day Number = 996156.5, Delta T = 12h56m39s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'59, Lahiri = -31°19'59 Julian Calendar 1 May 1986 BCE == Greg. Calendar 14 Apr. 1986 BCE


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## JUNE 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 28 42 | 21♉34'41 | 9♓34 | 4°R50 | 6♋ 4 | 4♋ 2 | 21♈57 | 14°R15 | 12♋31 | 2°R 8 | 27♋ 3 | 5°R36 | 4♍47 | 26♋ 7 | n.a. | F 1 |
| S 2 | 15 32 39 | 22°31'50 | 23°15 | 4♊24 | 7° 8 | 4°39 | 22° 9 | 14♐11 | 12°34 | 2♎ 7 | 27° 4 | 5♍35 | 4°44 | 26°13 | n.a. | S 2 |
| S 3 | 15 36 35 | 23°28'59 | 6♈44 | 3°55 | 8°11 | 5°17 | 22°22 | 14° 7 | 12°36 | 2° 6 | 27° 5 | 5°32 | 4°41 | 26°20 | n.a. | S 3 |
| M 4 | 15 40 32 | 24°26'09 | 20° 2 | 3°22 | 9°15 | 5°54 | 22°35 | 14° 3 | 12°39 | 2° 5 | 27° 6 | 5°26 | 4°38 | 26°27 | n.a. | M 4 |
| T 5 | 15 44 29 | 25°23'20 | 3♉ 9 | 2°46 | 10°18 | 6°31 | 22°47 | 13°58 | 12°42 | 2° 4 | 27° 7 | 5°17 | 4°35 | 26°34 | n.a. | T 5 |
| W 6 | 15 48 25 | 26°20'32 | 16° 4 | 2° 8 | 11°21 | 7° 8 | 23° 0 | 13°54 | 12°45 | 2° 4 | 27° 9 | 5° 6 | 4°31 | 26°40 | n.a. | W 6 |
| T 7 | 15 52 22 | 27°17'45 | 28°47 | 1°28 | 12°23 | 7°45 | 23°13 | 13°50 | 12°48 | 2° 3 | 27°10 | 4°54 | 4°28 | 26°47 | n.a. | T 7 |
| F 8 | 15 56 18 | 28°14'59 | 11♊17 | 0°46 | 13°26 | 8°23 | 23°25 | 13°46 | 12°51 | 2° 2 | 27°11 | 4°41 | 4°25 | 26°54 | n.a. | F 8 |
| S 9 | 16 0 15 | 29°12'13 | 23°35 | 0° 4 | 14°28 | 9° 0 | 23°38 | 13°42 | 12°54 | 2° 1 | 27°13 | 4°28 | 4°22 | 27° 0 | n.a. | S 9 |
| S 10 | 16 4 11 | 0♊ 9'28 | 5♋41 | 29♉22 | 15°30 | 9°38 | 23°50 | 13°37 | 12°57 | 2° 1 | 27°14 | 4°17 | 4°19 | 27° 7 | n.a. | S 10 |
| M11 | 16 8 8 | 1° 6'44 | 17°38 | 28°41 | 16°31 | 10°15 | 24° 2 | 13°33 | 13° 0 | 2° 0 | 27°15 | 4° 9 | 4°16 | 27°14 | n.a. | M11 |
| T 12 | 16 12 5 | 2° 4'00 | 29°29 | 28° 2 | 17°32 | 10°53 | 24°15 | 13°29 | 13° 3 | 1°59 | 27°17 | 4° 3 | 4°12 | 27°20 | n.a. | T 12 |
| W13 | 16 16 1 | 3° 1'18 | 11♌17 | 27°25 | 18°33 | 11°31 | 24°27 | 13°24 | 13° 6 | 1°59 | 27°18 | 4° 0 | 4° 9 | 27°27 | n.a. | W13 |
| T 14 | 16 19 58 | 3°58'36 | 23° 7 | 26°52 | 19°34 | 12° 8 | 24°39 | 13°20 | 13° 9 | 1°58 | 27°20 | 3°59 | 4° 6 | 27°34 | n.a. | T 14 |
| F 15 | 16 23 54 | 4°55'54 | 5♍ 5 | 26°22 | 20°34 | 12°46 | 24°51 | 13°16 | 13°12 | 1°58 | 27°21 | 3°59 | 4° 3 | 27°40 | n.a. | F 15 |
| S 16 | 16 27 51 | 5°53'14 | 17°15 | 25°56 | 21°34 | 13°24 | 25° 3 | 13°11 | 13°15 | 1°57 | 27°23 | 3°59 | 4° 0 | 27°47 | n.a. | S 16 |
| S 17 | 16 31 47 | 6°50'34 | 29°44 | 25°35 | 22°34 | 14° 2 | 25°15 | 13° 7 | 13°18 | 1°57 | 27°24 | 3°57 | 3°57 | 27°54 | n.a. | S 17 |
| M18 | 16 35 44 | 7°47'55 | 12♎35 | 25°20 | 23°33 | 14°39 | 25°27 | 13° 2 | 13°22 | 1°56 | 27°26 | 3°54 | 3°53 | 28° 0 | n.a. | M18 |
| T 19 | 16 39 40 | 8°45'17 | 25°53 | 25°11 | 24°32 | 15°17 | 25°38 | 12°58 | 13°25 | 1°56 | 27°27 | 3°48 | 3°50 | 28° 7 | n.a. | T 19 |
| W20 | 16 43 37 | 9°42'40 | 9♏38 | 25°D 7 | 25°30 | 15°55 | 25°50 | 12°53 | 13°28 | 1°55 | 27°29 | 3°40 | 3°47 | 28°14 | n.a. | W20 |
| T 21 | 16 47 34 | 10°40'04 | 23°49 | 25°10 | 26°28 | 16°33 | 26° 2 | 12°49 | 13°31 | 1°55 | 27°31 | 3°30 | 3°44 | 28°20 | n.a. | T 21 |
| F 22 | 16 51 30 | 11°37'30 | 8♐23 | 25°19 | 27°26 | 17°11 | 26°13 | 12°44 | 13°35 | 1°55 | 27°32 | 3°19 | 3°41 | 28°27 | n.a. | F 22 |
| S 23 | 16 55 27 | 12°34'56 | 23°12 | 25°35 | 28°23 | 17°50 | 26°25 | 12°40 | 13°38 | 1°55 | 27°34 | 3° 8 | 3°37 | 28°34 | n.a. | S 23 |
| S 24 | 16 59 23 | 13°32'24 | 8♑ 7 | 25°57 | 29°20 | 18°28 | 26°36 | 12°35 | 13°42 | 1°54 | 27°36 | 2°59 | 3°34 | 28°40 | n.a. | S 24 |
| M25 | 17 3 20 | 14°29'54 | 23° 0 | 26°26 | 0♌16 | 19° 6 | 26°48 | 12°31 | 13°45 | 1°54 | 27°37 | 2°52 | 3°31 | 28°47 | n.a. | M25 |
| T 26 | 17 7 16 | 15°27'25 | 7♒43 | 27° 2 | 1°12 | 19°44 | 26°59 | 12°26 | 13°48 | 1°54 | 27°39 | 2°48 | 3°28 | 28°54 | n.a. | T 26 |
| W27 | 17 11 13 | 16°24'57 | 22°10 | 27°45 | 2° 8 | 20°23 | 27°10 | 12°22 | 13°52 | 1°54 | 27°41 | 2°46 | 3°25 | 29° 0 | n.a. | W27 |
| T 28 | 17 15 9 | 17°22'31 | 6♓20 | 28°34 | 3° 2 | 21° 1 | 27°21 | 12°17 | 13°55 | 1°54 | 27°43 | 2°D45 | 3°22 | 29° 7 | n.a. | T 28 |
| F 29 | 17 19 6 | 18°20'07 | 20°11 | 29°29 | 3°57 | 21°40 | 27°32 | 12°13 | 13°59 | 1°54 | 27°44 | 2°R46 | 3°18 | 29°14 | n.a. | F 29 |
| S 30 | 17 23 3 | 19♊17'44 | 3♈43 | 0♊31 | 4♌51 | 22♋18 | 27♈43 | 12♐ 8 | 14♋ 2 | 1♎53 | 27♋46 | 2♍45 | 3♍15 | 29♋20 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 18n31 | 8s28 | 0s21 | 18n40 | 2s55 | 25n48 | 2n 2 | 25n13 | 1n22 | 7n52 | 0s55 | 22s38 | 0n20 | 23n55 | 0n36 | 1n 7 | 2n10 | 35n58 | 15n 8 | 9n39 | 9n57 | 18n11 | | n.a. |
| S 2 | 18 46 | 4 8 | 1 32 | 18 21 | 3 9 | 25 43 | 1 59 | 25 11 | 1 21 | 7 57 | 0 55 | 22 38 | 0 20 | 23 55 | 0 36 | 1 7 | 2 10 | 35 58 | 15 8 | 9 39 | 9 58 | 18 11 | | n.a. |
| S 3 | 19 1 | 0n20 | 2 37 | 18 3 | 3 22 | 25 37 | 1 57 | 25 10 | 1 21 | 8 2 | 0 55 | 22 37 | 0 20 | 23 55 | 0 36 | 1 8 | 2 10 | 35 57 | 15 8 | 9 40 | 9 59 | 18 10 | | n.a. |
| M 4 | 19 15 | 4 43 | 3 32 | 17 45 | 3 35 | 25 30 | 1 55 | 25 8 | 1 21 | 8 7 | 0 55 | 22 37 | 0 20 | 23 54 | 0 36 | 1 8 | 2 10 | 35 56 | 15 7 | 9 42 | 10 0 | 18 10 | | n.a. |
| T 5 | 19 30 | 8 49 | 4 15 | 17 26 | 3 46 | 25 22 | 1 52 | 25 6 | 1 20 | 8 12 | 0 55 | 22 36 | 0 20 | 23 54 | 0 36 | 1 8 | 2 10 | 35 56 | 15 7 | 9 46 | 10 1 | 18 9 | | n.a. |
| W 6 | 19 43 | 12 27 | 4 44 | 17 9 | 3 56 | 25 14 | 1 49 | 25 3 | 1 20 | 8 16 | 0 55 | 22 36 | 0 20 | 23 54 | 0 36 | 1 9 | 2 10 | 35 55 | 15 7 | 9 50 | 10 3 | 18 8 | | n.a. |
| T 7 | 19 57 | 15 26 | 4 59 | 16 52 | 4 6 | 25 6 | 1 46 | 25 1 | 1 20 | 8 21 | 0 55 | 22 36 | 0 20 | 23 53 | 0 36 | 1 9 | 2 10 | 35 54 | 15 6 | 9 54 | 10 4 | 18 8 | | n.a. |
| F 8 | 20 10 | 17 39 | 4 58 | 16 36 | 4 13 | 24 56 | 1 43 | 24 58 | 1 19 | 8 26 | 0 55 | 22 35 | 0 20 | 23 53 | 0 36 | 1 9 | 2 10 | 35 54 | 15 6 | 9 59 | 10 5 | 18 7 | | n.a. |
| S 9 | 20 23 | 19 2 | 4 44 | 16 21 | 4 19 | 24 46 | 1 40 | 24 55 | 1 19 | 8 31 | 0 55 | 22 35 | 0 20 | 23 53 | 0 36 | 1 9 | 2 10 | 35 53 | 15 5 | 10 4 | 10 6 | 18 7 | | n.a. |
| S 10 | 20 35 | 19 31 | 4 17 | 16 7 | 4 24 | 24 36 | 1 37 | 24 52 | 1 18 | 8 35 | 0 55 | 22 34 | 0 19 | 23 52 | 0 36 | 1 9 | 2 9 | 35 52 | 15 5 | 10 8 | 10 7 | 18 6 | | n.a. |
| M11 | 20 48 | 19 7 | 3 39 | 15 56 | 4 27 | 24 25 | 1 33 | 24 49 | 1 18 | 8 40 | 0 55 | 22 34 | 0 19 | 23 52 | 0 36 | 1 10 | 2 9 | 35 52 | 15 5 | 10 11 | 10 9 | 18 5 | | n.a. |
| T 12 | 20 59 | 17 52 | 2 52 | 15 46 | 4 28 | 24 13 | 1 29 | 24 45 | 1 18 | 8 44 | 0 55 | 22 33 | 0 19 | 23 52 | 0 36 | 1 10 | 2 9 | 35 51 | 15 4 | 10 13 | 10 10 | 18 5 | | n.a. |
| W13 | 21 11 | 15 52 | 1 57 | 15 38 | 4 28 | 24 1 | 1 26 | 24 42 | 1 17 | 8 49 | 0 55 | 22 33 | 0 19 | 23 51 | 0 36 | 1 10 | 2 9 | 35 51 | 15 4 | 10 14 | 10 11 | 18 4 | | n.a. |
| T 14 | 21 22 | 13 11 | 0 57 | 15 32 | 4 26 | 23 48 | 1 22 | 24 38 | 1 17 | 8 54 | 0 55 | 22 32 | 0 19 | 23 51 | 0 36 | 1 10 | 2 9 | 35 50 | 15 4 | 10 15 | 10 12 | 18 4 | | n.a. |
| F 15 | 21 33 | 9 56 | 0n 6 | 15 29 | 4 23 | 23 35 | 1 18 | 24 34 | 1 17 | 8 58 | 0 55 | 22 32 | 0 19 | 23 51 | 0 36 | 1 10 | 2 9 | 35 49 | 15 4 | 10 15 | 10 13 | 18 3 | | n.a. |
| S 16 | 21 43 | 6 12 | 1 10 | 15 28 | 4 18 | 23 22 | 1 13 | 24 30 | 1 16 | 9 2 | 0 55 | 22 32 | 0 19 | 23 50 | 0 36 | 1 11 | 2 9 | 35 49 | 15 3 | 10 15 | 10 14 | 18 2 | | n.a. |
| S 17 | 21 53 | 2 7 | 2 12 | 15 29 | 4 11 | 23 7 | 1 9 | 24 25 | 1 16 | 9 7 | 0 55 | 22 31 | 0 19 | 23 50 | 0 36 | 1 11 | 2 9 | 35 48 | 15 3 | 10 15 | 10 16 | 18 2 | | n.a. |
| M18 | 22 3 | 2s10 | 3 9 | 15 33 | 4 3 | 22 53 | 1 4 | 24 21 | 1 16 | 9 11 | 0 55 | 22 31 | 0 19 | 23 50 | 0 36 | 1 11 | 2 9 | 35 47 | 15 3 | 10 17 | 10 17 | 18 1 | | n.a. |
| T 19 | 22 12 | 6 30 | 3 58 | 15 40 | 3 54 | 22 37 | 1 0 | 24 16 | 1 15 | 9 16 | 0 55 | 22 30 | 0 19 | 23 49 | 0 36 | 1 11 | 2 9 | 35 47 | 15 2 | 10 19 | 10 18 | 18 0 | | n.a. |
| W20 | 22 21 | 10 38 | 4 35 | 15 49 | 3 44 | 22 22 | 0 55 | 24 11 | 1 15 | 9 20 | 0 55 | 22 30 | 0 19 | 23 49 | 0 36 | 1 11 | 2 9 | 35 46 | 15 2 | 10 22 | 10 19 | 18 0 | | n.a. |
| T 21 | 22 30 | 14 19 | 4 57 | 16 0 | 3 32 | 22 6 | 0 50 | 24 6 | 1 14 | 9 24 | 0 55 | 22 29 | 0 18 | 23 49 | 0 36 | 1 11 | 2 9 | 35 45 | 15 2 | 10 25 | 10 20 | 17 59 | | n.a. |
| F 22 | 22 38 | 17 13 | 5 0 | 16 14 | 3 20 | 21 49 | 0 45 | 24 1 | 1 14 | 9 28 | 0 55 | 22 29 | 0 18 | 23 48 | 0 36 | 1 11 | 2 9 | 35 45 | 15 1 | 10 30 | 10 21 | 17 59 | | n.a. |
| S 23 | 22 46 | 19 2 | 4 43 | 16 31 | 3 7 | 21 32 | 0 39 | 23 55 | 1 14 | 9 33 | 0 55 | 22 28 | 0 18 | 23 48 | 0 36 | 1 11 | 2 9 | 35 44 | 15 1 | 10 34 | 10 23 | 17 58 | | n.a. |
| S 24 | 22 53 | 19 34 | 4 7 | 16 49 | 2 54 | 21 15 | 0 34 | 23 50 | 1 13 | 9 37 | 0 55 | 22 28 | 0 18 | 23 48 | 0 36 | 1 11 | 2 9 | 35 43 | 15 1 | 10 37 | 10 24 | 17 57 | | n.a. |
| M25 | 23 0 | 18 44 | 3 14 | 17 10 | 2 39 | 20 57 | 0 28 | 23 44 | 1 13 | 9 41 | 0 55 | 22 27 | 0 18 | 23 47 | 0 36 | 1 11 | 2 8 | 35 43 | 15 1 | 10 39 | 10 25 | 17 57 | | n.a. |
| T 26 | 23 6 | 16 38 | 2 9 | 17 32 | 2 25 | 20 39 | 0 22 | 23 38 | 1 12 | 9 45 | 0 55 | 22 27 | 0 18 | 23 47 | 0 36 | 1 11 | 2 8 | 35 42 | 15 0 | 10 41 | 10 26 | 17 56 | | n.a. |
| W27 | 23 13 | 13 31 | 0 56 | 17 57 | 2 10 | 20 21 | 0 16 | 23 31 | 1 12 | 9 49 | 0 55 | 22 26 | 0 18 | 23 47 | 0 36 | 1 11 | 2 8 | 35 42 | 15 0 | 10 42 | 10 27 | 17 55 | | n.a. |
| T 28 | 23 18 | 9 40 | 0s19 | 18 22 | 1 55 | 20 2 | 0 10 | 23 25 | 1 12 | 9 53 | 0 55 | 22 26 | 0 18 | 23 46 | 0 36 | 1 11 | 2 8 | 35 41 | 15 0 | 10 42 | 10 29 | 17 55 | | n.a. |
| F 29 | 23 24 | 5 21 | 1 31 | 18 49 | 1 40 | 19 43 | 0 4 | 23 19 | 1 11 | 9 57 | 0 55 | 22 25 | 0 18 | 23 46 | 0 36 | 1 11 | 2 8 | 35 40 | 15 0 | 10 42 | 10 30 | 17 54 | | n.a. |
| S 30 | 23n29 | 0s53 | 2s36 | 19n17 | 1s25 | 19n24 | 0s 3 | 23n12 | 1n11 | 10n 1 | 0s55 | 22s25 | 0n18 | 23n45 | 0n36 | 1n11 | 2n 8 | 35n40 | 14n59 | 10n42 | 10n31 | 17n53 | | n.a. |

Julian Day Number = 996187.5, Delta T = 12h56m37s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'55, Lahiri = -31°19'54 Julian Calendar 1 June 1986 BCE == Greg. Calendar 15 May 1986 BCE


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## JULY 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 26 59 | 20♊15'24 | 16♈59 | 1♊39 | 5♌44 | 22♋57 | 27♈54 | 12°R 4 | 14♋ 6 | 1°R53 | 27♋48 | 2°R42 | 3♍12 | 29♋27 | n.a. | S 1 |
| M 2 | 17 30 56 | 21°13'05 | 0♉ 1 | 2°53 | 6°37 | 23°35 | 28° 4 | 12♐ 0 | 14° 9 | 1°D53 | 27°50 | 2♍37 | 3° 9 | 29°34 | n.a. | M 2 |
| T 3 | 17 34 52 | 22°10'48 | 12°49 | 4°12 | 7°29 | 24°14 | 28°15 | 11°55 | 14°13 | 1♎53 | 27°52 | 2°29 | 3° 6 | 29°40 | n.a. | T 3 |
| W 4 | 17 38 49 | 23° 8'32 | 25°26 | 5°37 | 8°20 | 24°53 | 28°26 | 11°51 | 14°17 | 1°54 | 27°54 | 2°19 | 3° 3 | 29°47 | n.a. | W 4 |
| T 5 | 17 42 45 | 24° 6'19 | 7♊52 | 7° 6 | 9°11 | 25°31 | 28°36 | 11°46 | 14°20 | 1°54 | 27°56 | 2° 7 | 2°59 | 29°54 | n.a. | T 5 |
| F 6 | 17 46 42 | 25° 4'07 | 20° 8 | 8°40 | 10° 1 | 26°10 | 28°46 | 11°42 | 14°24 | 1°54 | 27°57 | 1°55 | 2°56 | 0♌ 0 | n.a. | F 6 |
| S 7 | 17 50 38 | 26° 1'57 | 2♋15 | 10°19 | 10°51 | 26°49 | 28°57 | 11°38 | 14°27 | 1°54 | 27°59 | 1°43 | 2°53 | 0° 7 | n.a. | S 7 |
| S 8 | 17 54 35 | 26°59'48 | 14°13 | 12° 1 | 11°40 | 27°28 | 29° 7 | 11°34 | 14°31 | 1°54 | 28° 1 | 1°33 | 2°50 | 0°14 | n.a. | S 8 |
| M 9 | 17 58 32 | 27°57'41 | 26° 6 | 13°47 | 12°28 | 28° 7 | 29°17 | 11°29 | 14°35 | 1°54 | 28° 3 | 1°26 | 2°47 | 0°20 | n.a. | M 9 |
| T 10 | 18 2 28 | 28°55'36 | 7♌53 | 15°35 | 13°15 | 28°46 | 29°27 | 11°25 | 14°38 | 1°55 | 28° 5 | 1°20 | 2°43 | 0°27 | n.a. | T 10 |
| W11 | 18 6 25 | 29°53'32 | 19°40 | 17°26 | 14° 1 | 29°25 | 29°37 | 11°21 | 14°42 | 1°55 | 28° 7 | 1°18 | 2°40 | 0°34 | n.a. | W11 |
| T 12 | 18 10 21 | 0♋51'29 | 1♍29 | 19°20 | 14°47 | 0♌ 4 | 29°46 | 11°17 | 14°46 | 1°55 | 28° 9 | 1°D17 | 2°37 | 0°40 | n.a. | T 12 |
| F 13 | 18 14 18 | 1°49'28 | 13°26 | 21°15 | 15°32 | 0°44 | 29°56 | 11°13 | 14°49 | 1°56 | 28°11 | 1°17 | 2°34 | 0°47 | n.a. | F 13 |
| S 14 | 18 18 14 | 2°47'29 | 25°35 | 23°11 | 16°16 | 1°23 | 0♉ 5 | 11° 9 | 14°53 | 1°56 | 28°13 | 1°18 | 2°31 | 0°54 | n.a. | S 14 |
| S 15 | 18 22 11 | 3°45'31 | 8♎ 1 | 25° 8 | 16°59 | 2° 2 | 0°15 | 11° 5 | 14°57 | 1°56 | 28°15 | 1°R18 | 2°28 | 1° 0 | n.a. | S 15 |
| M16 | 18 26 7 | 4°43'35 | 20°49 | 27° 6 | 17°41 | 2°41 | 0°24 | 11° 1 | 15° 1 | 1°57 | 28°17 | 1°17 | 2°24 | 1° 7 | n.a. | M16 |
| T 17 | 18 30 4 | 5°41'40 | 4♏ 4 | 29° 4 | 18°22 | 3°21 | 0°33 | 10°57 | 15° 4 | 1°57 | 28°20 | 1°13 | 2°21 | 1°14 | n.a. | T 17 |
| W18 | 18 34 1 | 6°39'47 | 17°48 | 1♋ 2 | 19° 2 | 4° 0 | 0°42 | 10°53 | 15° 8 | 1°58 | 28°22 | 1° 8 | 2°18 | 1°20 | n.a. | W18 |
| T 19 | 18 37 57 | 7°37'56 | 2♐ 1 | 3° 1 | 19°40 | 4°40 | 0°51 | 10°49 | 15°12 | 1°58 | 28°24 | 1° 1 | 2°15 | 1°27 | n.a. | T 19 |
| F 20 | 18 41 54 | 8°36'07 | 16°40 | 4°58 | 20°18 | 5°19 | 1° 0 | 10°46 | 15°16 | 1°59 | 28°26 | 0°53 | 2°12 | 1°34 | n.a. | F 20 |
| S 21 | 18 45 50 | 9°34'19 | 1♑40 | 6°55 | 20°54 | 5°59 | 1° 8 | 10°42 | 15°19 | 2° 0 | 28°28 | 0°45 | 2° 8 | 1°40 | n.a. | S 21 |
| S 22 | 18 49 47 | 10°32'33 | 16°50 | 8°52 | 21°29 | 6°39 | 1°17 | 10°38 | 15°23 | 2° 0 | 28°30 | 0°38 | 2° 5 | 1°47 | n.a. | S 22 |
| M23 | 18 53 43 | 11°30'49 | 2♒ 1 | 10°48 | 22° 3 | 7°18 | 1°25 | 10°35 | 15°27 | 2° 1 | 28°32 | 0°34 | 2° 2 | 1°54 | n.a. | M23 |
| T 24 | 18 57 40 | 12°29'08 | 17° 3 | 12°43 | 22°36 | 7°58 | 1°34 | 10°31 | 15°31 | 2° 2 | 28°34 | 0°31 | 1°59 | 2° 0 | n.a. | T 24 |
| W25 | 19 1 36 | 13°27'28 | 1♓48 | 14°36 | 23° 7 | 8°38 | 1°42 | 10°28 | 15°35 | 2° 2 | 28°36 | 0°D30 | 1°56 | 2° 7 | n.a. | W25 |
| T 26 | 19 5 33 | 14°25'51 | 16°11 | 16°29 | 23°37 | 9°18 | 1°50 | 10°25 | 15°38 | 2° 3 | 28°39 | 0°31 | 1°53 | 2°14 | n.a. | T 26 |
| F 27 | 19 9 30 | 15°24'16 | 0♈10 | 18°21 | 24° 5 | 9°58 | 1°58 | 10°21 | 15°42 | 2° 4 | 28°41 | 0°32 | 1°49 | 2°20 | n.a. | F 27 |
| S 28 | 19 13 26 | 16°22'43 | 13°46 | 20°12 | 24°32 | 10°38 | 2° 5 | 10°18 | 15°46 | 2° 5 | 28°43 | 0°R33 | 1°46 | 2°27 | n.a. | S 28 |
| S 29 | 19 17 23 | 17°21'12 | 27° 0 | 22° 2 | 24°57 | 11°18 | 2°13 | 10°15 | 15°50 | 2° 6 | 28°45 | 0°32 | 1°43 | 2°34 | n.a. | S 29 |
| M30 | 19 21 19 | 18°19'44 | 9♉54 | 23°51 | 25°20 | 11°58 | 2°21 | 10°12 | 15°54 | 2° 7 | 28°47 | 0°30 | 1°40 | 2°40 | n.a. | M30 |
| T 31 | 19 25 16 | 19♋18'19 | 22♉31 | 25♋38 | 25♌42 | 12♌38 | 2♉28 | 10♐ 9 | 15♋57 | 2♎ 8 | 28♋50 | 0♍26 | 1♍37 | 2♌47 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| S 1 | 23n33 | 3n33 | 3s32 | 19n46 | 1s10 | 19n 4 | 0s 9 | 23n 5 | 1n10 | 10n 5 | 0s55 | 22s24 | 0n17 | 23n45 | 0n36 | 1n11 | 2n 8 | 35n39 | 14n59 | 10n43 | 10n32 | 17n53 | | | n.a. |
| M 2 | 23 37 | 7 44 | 4 15 | 20 15 | 0 55 | 18 44 | 0 16 | 22 58 | 1 10 | 10 9 | 0 55 | 22 24 | 0 17 | 23 45 | 0 36 | 1 11 | 2 8 | 35 38 | 14 59 | 10 45 | 10 33 | 17 52 | | | n.a. |
| T 3 | 23 41 | 11 29 | 4 45 | 20 45 | 0 41 | 18 24 | 0 23 | 22 50 | 1 10 | 10 13 | 0 55 | 22 23 | 0 17 | 23 44 | 0 36 | 1 11 | 2 8 | 35 38 | 14 59 | 10 48 | 10 34 | 17 51 | | | n.a. |
| W 4 | 23 44 | 14 39 | 5 0 | 21 14 | 0 27 | 18 4 | 0 30 | 22 43 | 1 9 | 10 17 | 0 55 | 22 23 | 0 17 | 23 44 | 0 36 | 1 11 | 2 8 | 35 37 | 14 58 | 10 51 | 10 36 | 17 51 | | | n.a. |
| T 5 | 23 47 | 17 7 | 5 1 | 21 43 | 0 13 | 17 43 | 0 38 | 22 35 | 1 9 | 10 20 | 0 55 | 22 22 | 0 17 | 23 43 | 0 36 | 1 11 | 2 8 | 35 36 | 14 58 | 10 56 | 10 37 | 17 50 | | | n.a. |
| F 6 | 23 50 | 18 46 | 4 47 | 22 12 | 0n 0 | 17 22 | 0 45 | 22 27 | 1 8 | 10 24 | 0 55 | 22 22 | 0 17 | 23 43 | 0 36 | 1 11 | 2 8 | 35 36 | 14 58 | 11 0 | 10 38 | 17 49 | | | n.a. |
| S 7 | 23 52 | 19 33 | 4 21 | 22 39 | 0 13 | 17 1 | 0 53 | 22 19 | 1 8 | 10 28 | 0 55 | 22 21 | 0 17 | 23 43 | 0 36 | 1 11 | 2 8 | 35 35 | 14 58 | 11 4 | 10 39 | 17 48 | | | n.a. |
| S 8 | 23 53 | 19 26 | 3 44 | 23 5 | 0 24 | 16 40 | 1 1 | 22 11 | 1 7 | 10 31 | 0 55 | 22 21 | 0 17 | 23 42 | 0 36 | 1 10 | 2 8 | 35 35 | 14 58 | 11 8 | 10 40 | 17 48 | | | n.a. |
| M 9 | 23 54 | 18 28 | 2 56 | 23 30 | 0 36 | 16 19 | 1 9 | 22 3 | 1 7 | 10 35 | 0 55 | 22 20 | 0 17 | 23 42 | 0 36 | 1 10 | 2 7 | 35 34 | 14 57 | 11 11 | 10 41 | 17 47 | | | n.a. |
| T 10 | 23 55 | 16 42 | 2 2 | 23 53 | 0 46 | 15 57 | 1 17 | 21 54 | 1 7 | 10 38 | 0 55 | 22 20 | 0 17 | 23 41 | 0 36 | 1 10 | 2 7 | 35 33 | 14 57 | 11 13 | 10 43 | 17 46 | | | n.a. |
| W11 | 23 55 | 14 14 | 1 2 | 24 14 | 0 56 | 15 36 | 1 25 | 21 46 | 1 6 | 10 42 | 0 55 | 22 19 | 0 16 | 23 41 | 0 36 | 1 10 | 2 7 | 35 33 | 14 57 | 11 14 | 10 44 | 17 46 | | | n.a. |
| T 12 | 23 55 | 11 11 | 0n 1 | 24 33 | 1 4 | 15 14 | 1 34 | 21 37 | 1 6 | 10 45 | 0 55 | 22 19 | 0 16 | 23 41 | 0 36 | 1 10 | 2 7 | 35 32 | 14 57 | 11 14 | 10 45 | 17 45 | | | n.a. |
| F 13 | 23 54 | 7 38 | 1 5 | 24 50 | 1 12 | 14 53 | 1 42 | 21 28 | 1 5 | 10 49 | 0 55 | 22 18 | 0 16 | 23 40 | 0 36 | 1 9 | 2 7 | 35 31 | 14 57 | 11 14 | 10 46 | 17 44 | | | n.a. |
| S 14 | 23 53 | 3 43 | 2 7 | 25 4 | 1 19 | 14 31 | 1 51 | 21 18 | 1 5 | 10 52 | 0 55 | 22 18 | 0 16 | 23 40 | 0 36 | 1 9 | 2 7 | 35 31 | 14 57 | 11 14 | 10 47 | 17 43 | | | n.a. |
| S 15 | 23 52 | 0s26 | 3 4 | 25 15 | 1 26 | 14 9 | 2 0 | 21 9 | 1 4 | 10 55 | 0 55 | 22 17 | 0 16 | 23 39 | 0 36 | 1 9 | 2 7 | 35 30 | 14 57 | 11 14 | 10 48 | 17 43 | | | n.a. |
| M16 | 23 50 | 4 41 | 3 54 | 25 24 | 1 31 | 13 48 | 2 9 | 20 59 | 1 4 | 10 59 | 0 55 | 22 17 | 0 16 | 23 39 | 0 36 | 1 9 | 2 7 | 35 30 | 14 56 | 11 14 | 10 50 | 17 42 | | | n.a. |
| T 17 | 23 48 | 8 51 | 4 33 | 25 31 | 1 36 | 13 26 | 2 19 | 20 50 | 1 4 | 11 2 | 0 55 | 22 16 | 0 16 | 23 38 | 0 36 | 1 8 | 2 7 | 35 29 | 14 56 | 11 15 | 10 51 | 17 41 | | | n.a. |
| W18 | 23 45 | 12 42 | 4 59 | 25 35 | 1 40 | 13 5 | 2 28 | 20 40 | 1 3 | 11 5 | 0 55 | 22 16 | 0 16 | 23 38 | 0 36 | 1 8 | 2 7 | 35 28 | 14 56 | 11 17 | 10 52 | 17 41 | | | n.a. |
| T 19 | 23 42 | 15 58 | 5 7 | 25 36 | 1 43 | 12 43 | 2 38 | 20 30 | 1 3 | 11 8 | 0 56 | 22 16 | 0 16 | 23 38 | 0 36 | 1 8 | 2 7 | 35 28 | 14 56 | 11 20 | 10 53 | 17 40 | | | n.a. |
| F 20 | 23 38 | 18 20 | 4 55 | 25 35 | 1 45 | 12 22 | 2 48 | 20 19 | 1 2 | 11 11 | 0 56 | 22 15 | 0 16 | 23 37 | 0 36 | 1 8 | 2 7 | 35 27 | 14 56 | 11 23 | 10 54 | 17 39 | | | n.a. |
| S 21 | 23 34 | 19 31 | 4 24 | 25 31 | 1 47 | 12 1 | 2 58 | 20 9 | 1 2 | 11 14 | 0 56 | 22 15 | 0 15 | 23 37 | 0 36 | 1 7 | 2 7 | 35 27 | 14 56 | 11 26 | 10 55 | 17 38 | | | n.a. |
| S 22 | 23 29 | 19 19 | 3 33 | 25 25 | 1 48 | 11 40 | 3 8 | 19 58 | 1 1 | 11 17 | 0 56 | 22 14 | 0 15 | 23 36 | 0 36 | 1 7 | 2 7 | 35 26 | 14 56 | 11 28 | 10 56 | 17 38 | | | n.a. |
| M23 | 23 25 | 17 43 | 2 28 | 25 16 | 1 48 | 11 19 | 3 18 | 19 48 | 1 1 | 11 20 | 0 56 | 22 14 | 0 15 | 23 36 | 0 36 | 1 7 | 2 6 | 35 26 | 14 56 | 11 30 | 10 58 | 17 37 | | | n.a. |
| T 24 | 23 19 | 14 54 | 1 12 | 25 6 | 1 48 | 10 58 | 3 29 | 19 37 | 1 0 | 11 23 | 0 56 | 22 14 | 0 15 | 23 35 | 0 36 | 1 6 | 2 6 | 35 25 | 14 56 | 11 31 | 10 59 | 17 36 | | | n.a. |
| W25 | 23 13 | 11 9 | 0s 7 | 24 53 | 1 47 | 10 38 | 3 39 | 19 26 | 1 0 | 11 26 | 0 56 | 22 13 | 0 15 | 23 35 | 0 36 | 1 6 | 2 6 | 35 24 | 14 56 | 11 31 | 11 0 | 17 35 | | | n.a. |
| T 26 | 23 7 | 6 50 | 1 24 | 24 38 | 1 46 | 10 18 | 3 50 | 19 14 | 0 59 | 11 29 | 0 56 | 22 13 | 0 15 | 23 35 | 0 36 | 1 5 | 2 6 | 35 24 | 14 55 | 11 31 | 11 1 | 17 35 | | | n.a. |
| F 27 | 23 1 | 2 16 | 2 34 | 24 21 | 1 44 | 9 59 | 4 1 | 19 3 | 0 59 | 11 31 | 0 56 | 22 12 | 0 15 | 23 34 | 0 36 | 1 5 | 2 6 | 35 23 | 14 55 | 11 30 | 11 2 | 17 34 | | | n.a. |
| S 28 | 22 54 | 2n17 | 3 33 | 24 3 | 1 42 | 9 39 | 4 12 | 18 51 | 0 58 | 11 34 | 0 56 | 22 12 | 0 15 | 23 34 | 0 36 | 1 5 | 2 6 | 35 23 | 14 55 | 11 30 | 11 3 | 17 33 | | | n.a. |
| S 29 | 22 46 | 6 35 | 4 19 | 23 43 | 1 39 | 9 21 | 4 23 | 18 40 | 0 58 | 11 37 | 0 56 | 22 12 | 0 15 | 23 33 | 0 36 | 1 4 | 2 6 | 35 22 | 14 55 | 11 30 | 11 5 | 17 32 | | | n.a. |
| M30 | 22 38 | 10 29 | 4 50 | 23 21 | 1 36 | 9 2 | 4 34 | 18 28 | 0 58 | 11 39 | 0 56 | 22 11 | 0 14 | 23 33 | 0 36 | 1 4 | 2 6 | 35 22 | 14 55 | 11 31 | 11 6 | 17 32 | | | n.a. |
| T 31 | 22n30 | 13n49 | 5s 7 | 22n57 | 1n33 | 8n44 | 4s46 | 18n16 | 0n57 | 11n42 | 0s56 | 22s11 | 0n14 | 23n32 | 0n36 | 1n 3 | 2n 6 | 35n21 | 14n55 | 11n32 | 11n 7 | 17n31 | | | n.a. |

Julian Day Number = 996217.5, Delta T = 12h56m35s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'51, Lahiri = -31°19'50 Julian Calendar 1 July 1986 BCE == Greg. Calendar 14 June 1986 BCE


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## AUGUST 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 29 12 | 20♋16'55 | 4♊55 | 27♋25 | 26♌ 2 | 13♌18 | 2♉35 | 10°R 6 | 16♋ 1 | 2♎ 8 | 28♋52 | 0°R21 | 1♍34 | 2♌54 | n.a. | W 1 |
| T 2 | 19 33 9 | 21°15'35 | 17° 8 | 29°10 | 26°20 | 13°59 | 2°42 | 10♐ 3 | 16° 5 | 2° 9 | 28°54 | 0♍14 | 1°30 | 3° 0 | n.a. | T 2 |
| F 3 | 19 37 5 | 22°14'16 | 29°12 | 0♌55 | 26°36 | 14°39 | 2°49 | 10° 1 | 16° 9 | 2°11 | 28°56 | 0° 7 | 1°27 | 3° 7 | n.a. | F 3 |
| S 4 | 19 41 2 | 23°12'59 | 11♋ 9 | 2°38 | 26°50 | 15°20 | 2°56 | 9°58 | 16°12 | 2°12 | 28°58 | 29♌59 | 1°24 | 3°14 | n.a. | S 4 |
| S 5 | 19 44 58 | 24°11'45 | 23° 1 | 4°20 | 27° 2 | 16° 0 | 3° 2 | 9°55 | 16°16 | 2°13 | 29° 1 | 29°54 | 1°21 | 3°20 | n.a. | S 5 |
| M 6 | 19 48 55 | 25°10'33 | 4♌50 | 6° 2 | 27°13 | 16°40 | 3° 9 | 9°53 | 16°20 | 2°14 | 29° 3 | 29°50 | 1°18 | 3°27 | n.a. | M 6 |
| T 7 | 19 52 52 | 26° 9'23 | 16°38 | 7°42 | 27°21 | 17°21 | 3°15 | 9°50 | 16°24 | 2°15 | 29° 5 | 29°47 | 1°14 | 3°34 | n.a. | T 7 |
| W 8 | 19 56 48 | 27° 8'15 | 28°26 | 9°21 | 27°26 | 18° 2 | 3°21 | 9°48 | 16°28 | 2°16 | 29° 7 | 29°D46 | 1°11 | 3°40 | n.a. | W 8 |
| T 9 | 20 0 45 | 28° 7'09 | 10♍18 | 10°59 | 27°30 | 18°42 | 3°27 | 9°46 | 16°31 | 2°17 | 29° 9 | 29°47 | 1° 8 | 3°47 | n.a. | T 9 |
| F 10 | 20 4 41 | 29° 6'05 | 22°17 | 12°37 | 27°R31 | 19°23 | 3°33 | 9°44 | 16°35 | 2°18 | 29°12 | 29°48 | 1° 5 | 3°54 | n.a. | F 10 |
| S 11 | 20 8 38 | 0♌ 5'03 | 4♎28 | 14°13 | 27°30 | 20° 4 | 3°38 | 9°42 | 16°39 | 2°20 | 29°14 | 29°50 | 1° 2 | 4° 0 | n.a. | S 11 |
| S 12 | 20 12 34 | 1° 4'03 | 16°54 | 15°48 | 27°27 | 20°45 | 3°44 | 9°40 | 16°42 | 2°21 | 29°16 | 29°51 | 0°59 | 4° 7 | n.a. | S 12 |
| M13 | 20 16 31 | 2° 3'05 | 29°39 | 17°23 | 27°21 | 21°26 | 3°49 | 9°38 | 16°46 | 2°22 | 29°18 | 29°R52 | 0°55 | 4°14 | n.a. | M13 |
| T 14 | 20 20 27 | 3° 2'09 | 12♏48 | 18°56 | 27°13 | 22° 6 | 3°54 | 9°36 | 16°50 | 2°24 | 29°21 | 29°52 | 0°52 | 4°20 | n.a. | T 14 |
| W15 | 20 24 24 | 4° 1'15 | 26°24 | 20°29 | 27° 2 | 22°47 | 3°59 | 9°34 | 16°53 | 2°25 | 29°23 | 29°50 | 0°49 | 4°27 | n.a. | W15 |
| T 16 | 20 28 20 | 5° 0'23 | 10♐27 | 22° 1 | 26°49 | 23°29 | 4° 4 | 9°33 | 16°57 | 2°26 | 29°25 | 29°47 | 0°46 | 4°34 | n.a. | T 16 |
| F 17 | 20 32 17 | 5°59'32 | 24°58 | 23°31 | 26°34 | 24°10 | 4° 9 | 9°31 | 17° 1 | 2°28 | 29°27 | 29°44 | 0°43 | 4°40 | n.a. | F 17 |
| S 18 | 20 36 14 | 6°58'44 | 9♑51 | 25° 1 | 26°16 | 24°51 | 4°13 | 9°30 | 17° 4 | 2°29 | 29°29 | 29°41 | 0°40 | 4°47 | n.a. | S 18 |
| S 19 | 20 40 10 | 7°57'58 | 25° 0 | 26°30 | 25°56 | 25°32 | 4°17 | 9°29 | 17° 8 | 2°31 | 29°32 | 29°38 | 0°36 | 4°54 | n.a. | S 19 |
| M20 | 20 44 7 | 8°57'14 | 10♒15 | 27°58 | 25°34 | 26°13 | 4°21 | 9°27 | 17°12 | 2°32 | 29°34 | 29°37 | 0°33 | 5° 0 | n.a. | M20 |
| T 21 | 20 48 3 | 9°56'32 | 25°26 | 29°26 | 25° 9 | 26°55 | 4°25 | 9°26 | 17°15 | 2°34 | 29°36 | 29°D36 | 0°30 | 5° 7 | n.a. | T 21 |
| W22 | 20 52 0 | 10°55'53 | 10♓24 | 0♍52 | 24°43 | 27°36 | 4°29 | 9°25 | 17°19 | 2°35 | 29°38 | 29°36 | 0°27 | 5°14 | n.a. | W22 |
| T 23 | 20 55 56 | 11°55'15 | 25° 2 | 2°17 | 24°15 | 28°17 | 4°33 | 9°24 | 17°22 | 2°37 | 29°40 | 29°37 | 0°24 | 5°20 | n.a. | T 23 |
| F 24 | 20 59 53 | 12°54'41 | 9♈14 | 3°41 | 23°45 | 28°59 | 4°36 | 9°23 | 17°26 | 2°39 | 29°43 | 29°38 | 0°20 | 5°27 | n.a. | F 24 |
| S 25 | 21 3 49 | 13°54'08 | 23° 0 | 5° 5 | 23°13 | 29°40 | 4°39 | 9°23 | 17°29 | 2°40 | 29°45 | 29°39 | 0°17 | 5°34 | n.a. | S 25 |
| S 26 | 21 7 46 | 14°53'38 | 6♉20 | 6°27 | 22°41 | 0♍22 | 4°42 | 9°22 | 17°33 | 2°42 | 29°47 | 29°40 | 0°14 | 5°40 | n.a. | S 26 |
| M27 | 21 11 42 | 15°53'11 | 19°15 | 7°48 | 22° 7 | 1° 4 | 4°45 | 9°22 | 17°36 | 2°43 | 29°49 | 29°R40 | 0°11 | 5°47 | n.a. | M27 |
| T 28 | 21 15 39 | 16°52'46 | 1♊50 | 9° 8 | 21°32 | 1°45 | 4°48 | 9°21 | 17°40 | 2°45 | 29°51 | 29°40 | 0° 8 | 5°54 | n.a. | T 28 |
| W29 | 21 19 36 | 17°52'24 | 14° 9 | 10°27 | 20°56 | 2°27 | 4°50 | 9°21 | 17°43 | 2°47 | 29°53 | 29°39 | 0° 5 | 6° 0 | n.a. | W29 |
| T 30 | 21 23 32 | 18°52'04 | 26°15 | 11°45 | 20°20 | 3° 9 | 4°52 | 9°21 | 17°47 | 2°49 | 29°56 | 29°37 | 0° 1 | 6° 7 | n.a. | T 30 |
| F 31 | 21 27 29 | 19♌51'47 | 8♋11 | 13♍ 1 | 19♌44 | 3♍51 | 4♉54 | 9♐21 | 17♋50 | 2♎50 | 29♋58 | 29♌36 | 29♌58 | 6♌14 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n21 | 16n29 | 5s 9 | 22n33 | 1n29 | 8n27 | 4s57 | 18n 4 | 0n57 | 11n44 | 0s56 | 22s11 | 0n14 | 23n32 | 0n36 | 1n 3 | 2n 6 | 35n21 | 14n55 | 11n34 | 11n 8 | 17n30 | | n.a. |
| T 2 | 22 12 | 18 22 | 4 57 | 22 7 | 1 24 | 8 10 | 5 8 | 17 51 | 0 56 | 11 46 | 0 56 | 22 10 | 0 14 | 23 31 | 0 36 | 1 3 | 2 6 | 35 20 | 14 55 | 11 37 | 11 9 | 17 29 | | n.a. |
| F 3 | 22 3 | 19 24 | 4 31 | 21 39 | 1 20 | 7 53 | 5 20 | 17 39 | 0 56 | 11 49 | 0 56 | 22 10 | 0 14 | 23 31 | 0 36 | 1 2 | 2 6 | 35 20 | 14 55 | 11 39 | 11 10 | 17 28 | | n.a. |
| S 4 | 21 53 | 19 33 | 3 54 | 21 11 | 1 15 | 7 38 | 5 31 | 17 26 | 0 55 | 11 51 | 0 56 | 22 10 | 0 14 | 23 30 | 0 36 | 1 2 | 2 6 | 35 19 | 14 55 | 11 42 | 11 11 | 17 28 | | n.a. |
| S 5 | 21 42 | 18 50 | 3 7 | 20 41 | 1 10 | 7 23 | 5 43 | 17 14 | 0 55 | 11 53 | 0 56 | 22 9 | 0 14 | 23 30 | 0 36 | 1 1 | 2 6 | 35 19 | 14 55 | 11 44 | 11 13 | 17 27 | | n.a. |
| M 6 | 21 32 | 17 18 | 2 12 | 20 11 | 1 5 | 7 8 | 5 55 | 17 1 | 0 54 | 11 55 | 0 57 | 22 9 | 0 14 | 23 30 | 0 36 | 1 1 | 2 6 | 35 18 | 14 55 | 11 46 | 11 14 | 17 26 | | n.a. |
| T 7 | 21 21 | 15 2 | 1 11 | 19 40 | 0 59 | 6 55 | 6 6 | 16 48 | 0 54 | 11 58 | 0 57 | 22 9 | 0 14 | 23 29 | 0 36 | 1 0 | 2 5 | 35 18 | 14 55 | 11 46 | 11 15 | 17 25 | | n.a. |
| W 8 | 21 9 | 12 8 | 0 7 | 19 7 | 0 53 | 6 42 | 6 17 | 16 34 | 0 53 | 12 0 | 0 57 | 22 9 | 0 13 | 23 29 | 0 36 | 0 59 | 2 5 | 35 17 | 14 55 | 11 47 | 11 16 | 17 24 | | n.a. |
| T 9 | 20 57 | 8 44 | 0n58 | 18 35 | 0 47 | 6 30 | 6 29 | 16 21 | 0 53 | 12 2 | 0 57 | 22 8 | 0 13 | 23 28 | 0 36 | 0 59 | 2 5 | 35 17 | 14 55 | 11 47 | 11 17 | 17 24 | | n.a. |
| F 10 | 20 45 | 4 57 | 2 1 | 18 1 | 0 41 | 6 19 | 6 40 | 16 8 | 0 52 | 12 4 | 0 57 | 22 8 | 0 13 | 23 28 | 0 36 | 0 58 | 2 5 | 35 16 | 14 55 | 11 46 | 11 18 | 17 23 | | n.a. |
| S 11 | 20 32 | 0 55 | 2 59 | 17 27 | 0 34 | 6 9 | 6 51 | 15 54 | 0 52 | 12 5 | 0 57 | 22 8 | 0 13 | 23 27 | 0 36 | 0 58 | 2 5 | 35 16 | 14 55 | 11 46 | 11 20 | 17 22 | | n.a. |
| S 12 | 20 19 | 3s13 | 3 51 | 16 52 | 0 28 | 6 0 | 7 2 | 15 40 | 0 51 | 12 7 | 0 57 | 22 8 | 0 13 | 23 27 | 0 36 | 0 57 | 2 5 | 35 15 | 14 56 | 11 45 | 11 21 | 17 21 | | n.a. |
| M13 | 20 6 | 7 20 | 4 32 | 16 16 | 0 21 | 5 52 | 7 13 | 15 27 | 0 51 | 12 9 | 0 57 | 22 8 | 0 13 | 23 26 | 0 36 | 0 57 | 2 5 | 35 15 | 14 56 | 11 45 | 11 22 | 17 20 | | n.a. |
| T 14 | 19 52 | 11 13 | 5 1 | 15 40 | 0 14 | 5 45 | 7 23 | 15 13 | 0 50 | 12 11 | 0 57 | 22 8 | 0 13 | 23 26 | 0 36 | 0 56 | 2 5 | 35 14 | 14 56 | 11 45 | 11 23 | 17 20 | | n.a. |
| W15 | 19 38 | 14 39 | 5 14 | 15 4 | 0 7 | 5 39 | 7 33 | 14 58 | 0 50 | 12 12 | 0 57 | 22 7 | 0 13 | 23 25 | 0 36 | 0 55 | 2 5 | 35 14 | 14 56 | 11 45 | 11 24 | 17 19 | | n.a. |
| T 16 | 19 24 | 17 22 | 5 9 | 14 27 | 0 0 | 5 35 | 7 43 | 14 44 | 0 49 | 12 14 | 0 57 | 22 7 | 0 13 | 23 25 | 0 36 | 0 55 | 2 5 | 35 14 | 14 56 | 11 46 | 11 25 | 17 18 | | n.a. |
| F 17 | 19 9 | 19 4 | 4 45 | 13 50 | 0s 7 | 5 31 | 7 52 | 14 30 | 0 49 | 12 16 | 0 57 | 22 7 | 0 12 | 23 25 | 0 36 | 0 54 | 2 5 | 35 13 | 14 56 | 11 47 | 11 26 | 17 17 | | n.a. |
| S 18 | 18 54 | 19 32 | 4 1 | 13 13 | 0 14 | 5 29 | 8 1 | 14 15 | 0 48 | 12 17 | 0 57 | 22 7 | 0 12 | 23 24 | 0 36 | 0 54 | 2 5 | 35 13 | 14 56 | 11 49 | 11 28 | 17 16 | | n.a. |
| S 19 | 18 39 | 18 37 | 3 0 | 12 36 | 0 21 | 5 28 | 8 9 | 14 1 | 0 48 | 12 18 | 0 57 | 22 7 | 0 12 | 23 24 | 0 36 | 0 53 | 2 5 | 35 12 | 14 56 | 11 50 | 11 29 | 17 15 | | n.a. |
| M20 | 18 23 | 16 21 | 1 45 | 11 58 | 0 29 | 5 28 | 8 17 | 13 46 | 0 47 | 12 20 | 0 57 | 22 7 | 0 12 | 23 23 | 0 36 | 0 52 | 2 5 | 35 12 | 14 56 | 11 50 | 11 30 | 17 14 | | n.a. |
| T 21 | 18 7 | 12 56 | 0 23 | 11 20 | 0 36 | 5 29 | 8 24 | 13 31 | 0 46 | 12 21 | 0 58 | 22 7 | 0 12 | 23 23 | 0 36 | 0 52 | 2 5 | 35 11 | 14 56 | 11 50 | 11 31 | 17 14 | | n.a. |
| W22 | 17 50 | 8 44 | 0s59 | 10 42 | 0 44 | 5 32 | 8 30 | 13 16 | 0 46 | 12 22 | 0 58 | 22 7 | 0 12 | 23 22 | 0 36 | 0 51 | 2 5 | 35 11 | 14 57 | 11 50 | 11 32 | 17 13 | | n.a. |
| T 23 | 17 34 | 4 5 | 2 16 | 10 5 | 0 51 | 5 36 | 8 36 | 13 1 | 0 45 | 12 23 | 0 58 | 22 7 | 0 12 | 23 22 | 0 36 | 0 50 | 2 5 | 35 11 | 14 57 | 11 50 | 11 33 | 17 12 | | n.a. |
| F 24 | 17 17 | 0n39 | 3 22 | 9 27 | 0 59 | 5 41 | 8 41 | 12 46 | 0 45 | 12 24 | 0 58 | 22 7 | 0 12 | 23 21 | 0 36 | 0 50 | 2 4 | 35 10 | 14 57 | 11 50 | 11 34 | 17 11 | | n.a. |
| S 25 | 16 59 | 5 11 | 4 15 | 8 49 | 1 6 | 5 48 | 8 45 | 12 30 | 0 44 | 12 25 | 0 58 | 22 7 | 0 12 | 23 21 | 0 36 | 0 49 | 2 4 | 35 10 | 14 57 | 11 49 | 11 36 | 17 10 | | n.a. |
| S 26 | 16 42 | 9 19 | 4 51 | 8 11 | 1 13 | 5 55 | 8 48 | 12 15 | 0 44 | 12 26 | 0 58 | 22 7 | 0 11 | 23 21 | 0 36 | 0 48 | 2 4 | 35 10 | 14 57 | 11 49 | 11 37 | 17 9 | | n.a. |
| M27 | 16 24 | 12 53 | 5 12 | 7 34 | 1 21 | 6 4 | 8 50 | 11 59 | 0 43 | 12 27 | 0 58 | 22 7 | 0 11 | 23 20 | 0 36 | 0 47 | 2 4 | 35 9 | 14 57 | 11 49 | 11 38 | 17 8 | | n.a. |
| T 28 | 16 5 | 15 46 | 5 17 | 6 57 | 1 28 | 6 14 | 8 52 | 11 44 | 0 43 | 12 28 | 0 58 | 22 7 | 0 11 | 23 20 | 0 36 | 0 47 | 2 4 | 35 9 | 14 58 | 11 49 | 11 39 | 17 8 | | n.a. |
| W29 | 15 47 | 17 53 | 5 7 | 6 20 | 1 35 | 6 24 | 8 52 | 11 28 | 0 42 | 12 29 | 0 58 | 22 7 | 0 11 | 23 19 | 0 36 | 0 46 | 2 4 | 35 9 | 14 58 | 11 49 | 11 40 | 17 7 | | n.a. |
| T 30 | 15 28 | 19 8 | 4 44 | 5 43 | 1 43 | 6 36 | 8 51 | 11 12 | 0 42 | 12 30 | 0 58 | 22 7 | 0 11 | 23 19 | 0 36 | 0 45 | 2 4 | 35 8 | 14 58 | 11 50 | 11 41 | 17 6 | | n.a. |
| F 31 | 15n 9 | 19n32 | 4s 8 | 5n 7 | 1s50 | 6n49 | 8s50 | 10n56 | 0n41 | 12n30 | 0s58 | 22s 7 | 0n11 | 23n18 | 0n36 | 0n44 | 2n 4 | 35n 8 | 14n58 | 11n50 | 11n42 | 17n 5 | | n.a. |

Julian Day Number = 996248.5, Delta T = 12h56m33s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'47, Lahiri = -31°19'46 Julian Calendar 1 Aug. 1986 BCE == Greg. Calendar 15 July 1986 BCE

The year -1985 astronomical counting style corresponds to year 1986 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## SEPTEMBER 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 31 25 | 20♌51'31 | 20♋ 2 | 14♍16 | 19°R 7 | 4♍33 | 4♉56 | 9°D20 | 17♋53 | 2♎52 | 29♋59 | 29°R34 | 29♌55 | 6♌20 | n.a. | S 1 |
| S 2 | 21 35 22 | 21°51'19 | 1♌50 | 15°29 | 18♌31 | 5°15 | 4°58 | 9♐21 | 17°57 | 2°54 | 0♌ 2 | 29♌33 | 29°52 | 6°27 | n.a. | S 2 |
| M 3 | 21 39 18 | 22°51'08 | 13°39 | 16°41 | 17°56 | 5°57 | 4°59 | 9°21 | 18° 0 | 2°56 | 0° 4 | 29°33 | 29°49 | 6°34 | n.a. | M 3 |
| T 4 | 21 43 15 | 23°51'00 | 25°29 | 17°51 | 17°21 | 6°39 | 5° 1 | 9°21 | 18° 3 | 2°58 | 0° 6 | 29°D32 | 29°46 | 6°40 | n.a. | T 4 |
| W 5 | 21 47 11 | 24°50'53 | 7♍23 | 18°59 | 16°47 | 7°21 | 5° 2 | 9°21 | 18° 6 | 2°59 | 0° 8 | 29°32 | 29°42 | 6°47 | n.a. | W 5 |
| T 6 | 21 51 8 | 25°50'49 | 19°24 | 20° 5 | 16°14 | 8° 3 | 5° 3 | 9°22 | 18°10 | 3° 1 | 0°10 | 29°33 | 29°39 | 6°54 | n.a. | T 6 |
| F 7 | 21 55 4 | 26°50'47 | 1♎32 | 21° 8 | 15°42 | 8°46 | 5° 3 | 9°23 | 18°13 | 3° 3 | 0°12 | 29°33 | 29°36 | 7° 0 | n.a. | F 7 |
| S 8 | 21 59 1 | 27°50'46 | 13°52 | 22° 9 | 15°12 | 9°28 | 5° 4 | 9°23 | 18°16 | 3° 5 | 0°14 | 29°33 | 29°33 | 7° 7 | n.a. | S 8 |
| S 9 | 22 2 58 | 28°50'48 | 26°25 | 23° 7 | 14°44 | 10°10 | 5° 4 | 9°24 | 18°19 | 3° 7 | 0°16 | 29°33 | 29°30 | 7°13 | n.a. | S 9 |
| M10 | 22 6 54 | 29°50'51 | 9♏14 | 24° 2 | 14°17 | 10°53 | 5°R 4 | 9°25 | 18°22 | 3° 9 | 0°18 | 29°R33 | 29°26 | 7°20 | n.a. | M10 |
| T 11 | 22 10 51 | 0♍50'57 | 22°21 | 24°53 | 13°53 | 11°35 | 5° 4 | 9°26 | 18°25 | 3°11 | 0°20 | 29°33 | 29°23 | 7°27 | n.a. | T 11 |
| W12 | 22 14 47 | 1°51'04 | 5♐50 | 25°41 | 13°31 | 12°18 | 5° 4 | 9°27 | 18°28 | 3°13 | 0°22 | 29°D33 | 29°20 | 7°33 | n.a. | W12 |
| T 13 | 22 18 44 | 2°51'12 | 19°41 | 26°24 | 13°11 | 13° 0 | 5° 3 | 9°28 | 18°31 | 3°15 | 0°24 | 29°33 | 29°17 | 7°40 | n.a. | T 13 |
| F 14 | 22 22 40 | 3°51'23 | 3♑55 | 27° 3 | 12°53 | 13°43 | 5° 2 | 9°30 | 18°34 | 3°17 | 0°26 | 29°34 | 29°14 | 7°47 | n.a. | F 14 |
| S 15 | 22 26 37 | 4°51'35 | 18°29 | 27°36 | 12°37 | 14°26 | 5° 1 | 9°31 | 18°37 | 3°19 | 0°28 | 29°34 | 29°11 | 7°53 | n.a. | S 15 |
| S 16 | 22 30 33 | 5°51'49 | 3♒20 | 28° 4 | 12°24 | 15° 9 | 5° 0 | 9°33 | 18°40 | 3°21 | 0°30 | 29°35 | 29° 7 | 8° 0 | n.a. | S 16 |
| M17 | 22 34 30 | 6°52'05 | 18°21 | 28°25 | 12°14 | 15°51 | 4°59 | 9°34 | 18°43 | 3°23 | 0°32 | 29°35 | 29° 4 | 8° 7 | n.a. | M17 |
| T 18 | 22 38 26 | 7°52'23 | 3♓25 | 28°39 | 12° 5 | 16°34 | 4°57 | 9°36 | 18°46 | 3°25 | 0°34 | 29°R35 | 29° 1 | 8°13 | n.a. | T 18 |
| W19 | 22 42 23 | 8°52'42 | 18°22 | 28°R46 | 12° 0 | 17°17 | 4°56 | 9°38 | 18°48 | 3°27 | 0°36 | 29°35 | 28°58 | 8°20 | n.a. | W19 |
| T 20 | 22 46 20 | 9°53'03 | 3♈ 4 | 28°44 | 11°57 | 18° 0 | 4°54 | 9°40 | 18°51 | 3°29 | 0°37 | 29°34 | 28°55 | 8°27 | n.a. | T 20 |
| F 21 | 22 50 16 | 10°53'27 | 17°25 | 28°33 | 11°D56 | 18°43 | 4°51 | 9°42 | 18°54 | 3°31 | 0°39 | 29°33 | 28°51 | 8°33 | n.a. | F 21 |
| S 22 | 22 54 13 | 11°53'52 | 1♉20 | 28°13 | 11°57 | 19°26 | 4°49 | 9°44 | 18°56 | 3°34 | 0°41 | 29°31 | 28°48 | 8°40 | n.a. | S 22 |
| S 23 | 22 58 9 | 12°54'20 | 14°49 | 27°43 | 12° 1 | 20° 9 | 4°47 | 9°46 | 18°59 | 3°36 | 0°43 | 29°30 | 28°45 | 8°47 | n.a. | S 23 |
| M24 | 23 2 6 | 13°54'49 | 27°51 | 27° 4 | 12° 8 | 20°53 | 4°44 | 9°48 | 19° 2 | 3°38 | 0°45 | 29°28 | 28°42 | 8°53 | n.a. | M24 |
| T 25 | 23 6 2 | 14°55'21 | 10♊30 | 26°14 | 12°17 | 21°36 | 4°41 | 9°51 | 19° 4 | 3°40 | 0°46 | 29°D28 | 28°39 | 9° 0 | n.a. | T 25 |
| W26 | 23 9 59 | 15°55'55 | 22°49 | 25°16 | 12°28 | 22°19 | 4°38 | 9°53 | 19° 7 | 3°42 | 0°48 | 29°28 | 28°36 | 9° 7 | n.a. | W26 |
| T 27 | 23 13 55 | 16°56'31 | 4♋53 | 24° 9 | 12°41 | 23° 3 | 4°34 | 9°56 | 19° 9 | 3°44 | 0°50 | 29°29 | 28°32 | 9°13 | n.a. | T 27 |
| F 28 | 23 17 52 | 17°57'08 | 16°47 | 22°56 | 12°56 | 23°46 | 4°31 | 9°59 | 19°12 | 3°47 | 0°51 | 29°30 | 28°29 | 9°20 | n.a. | F 28 |
| S 29 | 23 21 48 | 18°57'48 | 28°36 | 21°38 | 13°13 | 24°29 | 4°27 | 10° 1 | 19°14 | 3°49 | 0°53 | 29°32 | 28°26 | 9°27 | n.a. | S 29 |
| S 30 | 23 25 45 | 19♍58'30 | 10♌23 | 20♍18 | 13♌33 | 25♍13 | 4♉23 | 10♐ 4 | 19♋16 | 3♎51 | 0♌55 | 29♌33 | 28♌23 | 9♌33 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n50 | 19n 3 | 3s22 | 4n32 | 1s56 | 7n 3 | 8s47 | 10n40 | 0n41 | 12n31 | 0s58 | 22s 7 | 0n11 | 23n18 | 0n36 | 0n44 | 2n 4 | 35n 8 | 14n58 | 11n51 | 11n44 | 17n 4 | | n.a. |
| S 2 | 14 30 | 17 45 | 2 28 | 3 57 | 2 3 | 7 17 | 8 44 | 10 24 | 0 40 | 12 31 | 0 58 | 22 7 | 0 11 | 23 17 | 0 36 | 0 43 | 2 4 | 35 7 | 14 59 | 11 51 | 11 45 | 17 3 | | n.a. |
| M 3 | 14 10 | 15 40 | 1 27 | 3 22 | 2 10 | 7 32 | 8 39 | 10 7 | 0 39 | 12 32 | 0 58 | 22 7 | 0 11 | 23 17 | 0 36 | 0 42 | 2 4 | 35 7 | 14 59 | 11 52 | 11 46 | 17 2 | | n.a. |
| T 4 | 13 50 | 12 56 | 0 23 | 2 49 | 2 16 | 7 47 | 8 34 | 9 51 | 0 39 | 12 32 | 0 58 | 22 7 | 0 11 | 23 17 | 0 36 | 0 41 | 2 4 | 35 7 | 14 59 | 11 52 | 11 47 | 17 1 | | n.a. |
| W 5 | 13 30 | 9 38 | 0n44 | 2 16 | 2 23 | 8 3 | 8 28 | 9 34 | 0 38 | 12 32 | 0 59 | 22 8 | 0 10 | 23 16 | 0 36 | 0 41 | 2 4 | 35 7 | 14 59 | 11 52 | 11 48 | 17 1 | | n.a. |
| T 6 | 13 9 | 5 56 | 1 48 | 1 44 | 2 28 | 8 20 | 8 21 | 9 18 | 0 38 | 12 33 | 0 59 | 22 8 | 0 10 | 23 16 | 0 37 | 0 40 | 2 4 | 35 6 | 15 0 | 11 52 | 11 49 | 17 0 | | n.a. |
| F 7 | 12 49 | 1 57 | 2 49 | 1 14 | 2 34 | 8 36 | 8 13 | 9 1 | 0 37 | 12 33 | 0 59 | 22 8 | 0 10 | 23 15 | 0 37 | 0 39 | 2 4 | 35 6 | 15 0 | 11 51 | 11 50 | 16 59 | | n.a. |
| S 8 | 12 28 | 2s10 | 3 43 | 0 45 | 2 39 | 8 53 | 8 4 | 8 44 | 0 37 | 12 33 | 0 59 | 22 8 | 0 10 | 23 15 | 0 37 | 0 38 | 2 4 | 35 6 | 15 0 | 11 51 | 11 52 | 16 58 | | n.a. |
| S 9 | 12 6 | 6 16 | 4 27 | 0 17 | 2 44 | 9 10 | 7 55 | 8 28 | 0 36 | 12 33 | 0 59 | 22 8 | 0 10 | 23 15 | 0 37 | 0 37 | 2 4 | 35 6 | 15 0 | 11 51 | 11 53 | 16 57 | | n.a. |
| M10 | 11 45 | 10 9 | 4 58 | 0s10 | 2 49 | 9 27 | 7 45 | 8 11 | 0 35 | 12 33 | 0 59 | 22 9 | 0 10 | 23 14 | 0 37 | 0 36 | 2 4 | 35 6 | 15 1 | 11 51 | 11 54 | 16 56 | | n.a. |
| T 11 | 11 23 | 13 39 | 5 16 | 0 34 | 2 53 | 9 44 | 7 35 | 7 54 | 0 35 | 12 33 | 0 59 | 22 9 | 0 10 | 23 14 | 0 37 | 0 36 | 2 4 | 35 5 | 15 1 | 11 51 | 11 55 | 16 55 | | n.a. |
| W12 | 11 2 | 16 31 | 5 16 | 0 56 | 2 56 | 10 1 | 7 24 | 7 37 | 0 34 | 12 33 | 0 59 | 22 9 | 0 10 | 23 13 | 0 37 | 0 35 | 2 4 | 35 5 | 15 1 | 11 51 | 11 56 | 16 54 | | n.a. |
| T 13 | 10 40 | 18 33 | 4 59 | 1 17 | 2 59 | 10 18 | 7 12 | 7 19 | 0 34 | 12 32 | 0 59 | 22 10 | 0 10 | 23 13 | 0 37 | 0 34 | 2 4 | 35 5 | 15 2 | 11 51 | 11 57 | 16 53 | | n.a. |
| F 14 | 10 17 | 19 29 | 4 23 | 1 34 | 3 2 | 10 34 | 7 0 | 7 2 | 0 33 | 12 32 | 0 59 | 22 10 | 0 9 | 23 13 | 0 37 | 0 33 | 2 4 | 35 5 | 15 2 | 11 51 | 11 58 | 16 52 | | n.a. |
| S 15 | 9 55 | 19 10 | 3 29 | 1 49 | 3 3 | 10 50 | 6 48 | 6 45 | 0 33 | 12 32 | 0 59 | 22 10 | 0 9 | 23 12 | 0 37 | 0 32 | 2 3 | 35 5 | 15 2 | 11 51 | 11 59 | 16 51 | | n.a. |
| S 16 | 9 33 | 17 31 | 2 21 | 2 1 | 3 4 | 11 6 | 6 35 | 6 27 | 0 32 | 12 31 | 0 59 | 22 11 | 0 9 | 23 12 | 0 37 | 0 31 | 2 3 | 35 4 | 15 3 | 11 51 | 12 1 | 16 50 | | n.a. |
| M17 | 9 10 | 14 39 | 1 2 | 2 9 | 3 3 | 11 21 | 6 23 | 6 10 | 0 31 | 12 31 | 0 59 | 22 11 | 0 9 | 23 12 | 0 37 | 0 31 | 2 3 | 35 4 | 15 3 | 11 51 | 12 2 | 16 49 | | n.a. |
| T 18 | 8 47 | 10 47 | 0s21 | 2 13 | 3 2 | 11 36 | 6 10 | 5 52 | 0 31 | 12 30 | 0 59 | 22 11 | 0 9 | 23 11 | 0 37 | 0 30 | 2 3 | 35 4 | 15 3 | 11 51 | 12 3 | 16 49 | | n.a. |
| W19 | 8 24 | 6 15 | 1 43 | 2 13 | 2 59 | 11 50 | 5 57 | 5 35 | 0 30 | 12 30 | 0 59 | 22 12 | 0 9 | 23 11 | 0 37 | 0 29 | 2 3 | 35 4 | 15 4 | 11 51 | 12 4 | 16 48 | | n.a. |
| T 20 | 8 1 | 1 26 | 2 56 | 2 9 | 2 55 | 12 4 | 5 43 | 5 17 | 0 30 | 12 29 | 0 59 | 22 12 | 0 9 | 23 10 | 0 37 | 0 28 | 2 3 | 35 4 | 15 4 | 11 51 | 12 5 | 16 47 | | n.a. |
| F 21 | 7 38 | 3n21 | 3 56 | 1 59 | 2 49 | 12 17 | 5 30 | 5 0 | 0 29 | 12 28 | 0 59 | 22 12 | 0 9 | 23 10 | 0 37 | 0 27 | 2 3 | 35 4 | 15 4 | 11 52 | 12 6 | 16 46 | | n.a. |
| S 22 | 7 14 | 7 49 | 4 40 | 1 44 | 2 42 | 12 29 | 5 17 | 4 42 | 0 28 | 12 27 | 0 59 | 22 13 | 0 9 | 23 10 | 0 37 | 0 26 | 2 3 | 35 4 | 15 5 | 11 52 | 12 7 | 16 45 | | n.a. |
| S 23 | 6 51 | 11 43 | 5 7 | 1 24 | 2 33 | 12 41 | 5 3 | 4 24 | 0 28 | 12 26 | 0 59 | 22 13 | 0 9 | 23 9 | 0 37 | 0 25 | 2 3 | 35 4 | 15 5 | 11 53 | 12 9 | 16 44 | | n.a. |
| M24 | 6 27 | 14 56 | 5 17 | 0 58 | 2 22 | 12 52 | 4 50 | 4 6 | 0 27 | 12 25 | 1 0 | 22 14 | 0 8 | 23 9 | 0 37 | 0 24 | 2 3 | 35 4 | 15 5 | 11 53 | 12 10 | 16 43 | | n.a. |
| T 25 | 6 3 | 17 20 | 5 11 | 0 26 | 2 9 | 13 2 | 4 37 | 3 48 | 0 27 | 12 24 | 1 0 | 22 14 | 0 8 | 23 9 | 0 37 | 0 24 | 2 3 | 35 4 | 15 6 | 11 53 | 12 11 | 16 42 | | n.a. |
| W26 | 5 39 | 18 52 | 4 51 | 0n11 | 1 54 | 13 11 | 4 24 | 3 30 | 0 26 | 12 23 | 1 0 | 22 15 | 0 8 | 23 8 | 0 37 | 0 23 | 2 3 | 35 4 | 15 6 | 11 53 | 12 12 | 16 41 | | n.a. |
| T 27 | 5 15 | 19 31 | 4 19 | 0 53 | 1 38 | 13 20 | 4 11 | 3 12 | 0 25 | 12 22 | 1 0 | 22 15 | 0 8 | 23 8 | 0 37 | 0 22 | 2 3 | 35 4 | 15 7 | 11 53 | 12 13 | 16 40 | | n.a. |
| F 28 | 4 51 | 19 17 | 3 35 | 1 38 | 1 20 | 13 28 | 3 58 | 2 54 | 0 25 | 12 21 | 1 0 | 22 16 | 0 8 | 23 8 | 0 37 | 0 21 | 2 3 | 35 3 | 15 7 | 11 53 | 12 14 | 16 39 | | n.a. |
| S 29 | 4 27 | 18 12 | 2 43 | 2 27 | 1 1 | 13 36 | 3 45 | 2 36 | 0 24 | 12 20 | 1 0 | 22 16 | 0 8 | 23 7 | 0 37 | 0 20 | 2 3 | 35 3 | 15 7 | 11 52 | 12 15 | 16 38 | | n.a. |
| S 30 | 4n 3 | 16n19 | 1s44 | 3n18 | 0s40 | 13n42 | 3s32 | 2n18 | 0n23 | 12n18 | 1s 0 | 22s17 | 0n 8 | 23n 7 | 0n37 | 0n19 | 2n 3 | 35n 3 | 15n 8 | 11n51 | 12n16 | 16n37 | | n.a. |

Julian Day Number = 996279.5, Delta T = 12h56m31s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'42, Lahiri = -31°19'42 Julian Calendar 1 Sept. 1986 BCE == Greg. Calendar 15 Aug. 1986 BCE


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## OCTOBER 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 29 42 | 20♍59'13 | 22♌13 | 18°R58 | 13♌54 | 25♍57 | 4°R19 | 10♐ 7 | 19♋18 | 3♎53 | 0♌56 | 29♌34 | 28♌20 | 9♌40 | n.a. | M 1 |
| T 2 | 23 33 38 | 21°59'58 | 4♍ 8 | 17♍41 | 14°17 | 26°40 | 4♉15 | 10°10 | 19°21 | 3°55 | 0°58 | 29°R34 | 28°17 | 9°47 | n.a. | T 2 |
| W 3 | 23 37 35 | 23° 0'45 | 16°12 | 16°29 | 14°42 | 27°24 | 4°11 | 10°14 | 19°23 | 3°58 | 0°59 | 29°33 | 28°13 | 9°53 | n.a. | W 3 |
| T 4 | 23 41 31 | 24° 1'33 | 28°25 | 15°25 | 15° 9 | 28° 8 | 4° 6 | 10°17 | 19°25 | 4° 0 | 1° 1 | 29°31 | 28°10 | 10° 0 | n.a. | T 4 |
| F 5 | 23 45 28 | 25° 2'23 | 10♎50 | 14°30 | 15°37 | 28°51 | 4° 1 | 10°20 | 19°27 | 4° 2 | 1° 2 | 29°27 | 28° 7 | 10° 6 | n.a. | F 5 |
| S 6 | 23 49 24 | 26° 3'14 | 23°27 | 13°45 | 16° 7 | 29°35 | 3°56 | 10°24 | 19°29 | 4° 4 | 1° 4 | 29°23 | 28° 4 | 10°13 | n.a. | S 6 |
| S 7 | 23 53 21 | 27° 4'07 | 6♏17 | 13°12 | 16°39 | 0♎19 | 3°51 | 10°27 | 19°31 | 4° 7 | 1° 5 | 29°18 | 28° 1 | 10°20 | n.a. | S 7 |
| M 8 | 23 57 17 | 28° 5'00 | 19°20 | 12°51 | 17°12 | 1° 3 | 3°46 | 10°31 | 19°33 | 4° 9 | 1° 7 | 29°14 | 27°57 | 10°26 | n.a. | M 8 |
| T 9 | 0 1 14 | 29° 5'55 | 2♐37 | 12°D42 | 17°46 | 1°47 | 3°40 | 10°35 | 19°35 | 4°11 | 1° 8 | 29°10 | 27°54 | 10°33 | n.a. | T 9 |
| W10 | 0 5 11 | 0♎ 6'52 | 16° 8 | 12°43 | 18°22 | 2°31 | 3°35 | 10°38 | 19°37 | 4°13 | 1° 9 | 29° 8 | 27°51 | 10°40 | n.a. | W10 |
| T 11 | 0 9 7 | 1° 7'49 | 29°53 | 12°55 | 18°59 | 3°15 | 3°29 | 10°42 | 19°39 | 4°16 | 1°11 | 29°D 7 | 27°48 | 10°46 | n.a. | T 11 |
| F 12 | 0 13 4 | 2° 8'47 | 13♑53 | 13°17 | 19°38 | 3°59 | 3°23 | 10°46 | 19°40 | 4°18 | 1°12 | 29° 8 | 27°45 | 10°53 | n.a. | F 12 |
| S 13 | 0 17 0 | 3° 9'46 | 28° 7 | 13°48 | 20°18 | 4°44 | 3°17 | 10°50 | 19°42 | 4°20 | 1°13 | 29° 9 | 27°42 | 11° 0 | n.a. | S 13 |
| S 14 | 0 20 57 | 4°10'47 | 12♒34 | 14°26 | 20°59 | 5°28 | 3°11 | 10°54 | 19°44 | 4°22 | 1°15 | 29°10 | 27°38 | 11° 6 | n.a. | S 14 |
| M15 | 0 24 53 | 5°11'48 | 27° 9 | 15°12 | 21°41 | 6°12 | 3° 4 | 10°59 | 19°45 | 4°25 | 1°16 | 29°R11 | 27°35 | 11°13 | n.a. | M15 |
| T 16 | 0 28 50 | 6°12'49 | 11♓50 | 16° 4 | 22°24 | 6°56 | 2°58 | 11° 3 | 19°47 | 4°27 | 1°17 | 29°11 | 27°32 | 11°20 | n.a. | T 16 |
| W17 | 0 32 46 | 7°13'52 | 26°28 | 17° 1 | 23° 8 | 7°41 | 2°51 | 11° 7 | 19°48 | 4°29 | 1°18 | 29° 8 | 27°29 | 11°26 | n.a. | W17 |
| T 18 | 0 36 43 | 8°14'56 | 10♈59 | 18° 3 | 23°54 | 8°25 | 2°44 | 11°12 | 19°50 | 4°31 | 1°19 | 29° 4 | 27°26 | 11°33 | n.a. | T 18 |
| F 19 | 0 40 40 | 9°16'01 | 25°14 | 19°10 | 24°40 | 9°10 | 2°38 | 11°16 | 19°51 | 4°34 | 1°20 | 28°58 | 27°22 | 11°40 | n.a. | F 19 |
| S 20 | 0 44 36 | 10°17'07 | 9♉ 9 | 20°20 | 25°28 | 9°54 | 2°31 | 11°21 | 19°52 | 4°36 | 1°21 | 28°51 | 27°19 | 11°46 | n.a. | S 20 |
| S 21 | 0 48 33 | 11°18'15 | 22°41 | 21°33 | 26°16 | 10°39 | 2°24 | 11°26 | 19°54 | 4°38 | 1°22 | 28°43 | 27°16 | 11°53 | n.a. | S 21 |
| M22 | 0 52 29 | 12°19'23 | 5♊48 | 22°49 | 27° 5 | 11°23 | 2°16 | 11°30 | 19°55 | 4°40 | 1°23 | 28°37 | 27°13 | 12° 0 | n.a. | M22 |
| T 23 | 0 56 26 | 13°20'33 | 18°31 | 24° 7 | 27°55 | 12° 8 | 2° 9 | 11°35 | 19°56 | 4°43 | 1°24 | 28°32 | 27°10 | 12° 6 | n.a. | T 23 |
| W24 | 1 0 22 | 14°21'44 | 0♋54 | 25°27 | 28°46 | 12°53 | 2° 2 | 11°40 | 19°57 | 4°45 | 1°25 | 28°29 | 27° 7 | 12°13 | n.a. | W24 |
| T 25 | 1 4 19 | 15°22'55 | 13° 0 | 26°48 | 29°38 | 13°38 | 1°54 | 11°45 | 19°58 | 4°47 | 1°26 | 28°D28 | 27° 3 | 12°20 | n.a. | T 25 |
| F 26 | 1 8 15 | 16°24'08 | 24°54 | 28°11 | 0♍30 | 14°22 | 1°47 | 11°50 | 19°59 | 4°49 | 1°27 | 28°28 | 27° 0 | 12°26 | n.a. | F 26 |
| S 27 | 1 12 12 | 17°25'22 | 6♌43 | 29°36 | 1°24 | 15° 7 | 1°39 | 11°55 | 20° 0 | 4°52 | 1°28 | 28°29 | 26°57 | 12°33 | n.a. | S 27 |
| S 28 | 1 16 9 | 18°26'37 | 18°30 | 1♎ 1 | 2°17 | 15°52 | 1°31 | 12° 0 | 20° 1 | 4°54 | 1°29 | 28°31 | 26°54 | 12°39 | n.a. | S 28 |
| M29 | 1 20 5 | 19°27'53 | 0♍22 | 2°28 | 3°12 | 16°37 | 1°23 | 12° 6 | 20° 2 | 4°56 | 1°30 | 28°R31 | 26°51 | 12°46 | n.a. | M29 |
| T 30 | 1 24 2 | 20°29'10 | 12°22 | 3°55 | 4° 7 | 17°22 | 1°15 | 12°11 | 20° 3 | 4°58 | 1°30 | 28°30 | 26°48 | 12°53 | n.a. | T 30 |
| W31 | 1 27 58 | 21♎30'27 | 24♍34 | 5♎23 | 5♍ 3 | 18♎ 7 | 1♉ 7 | 12♐16 | 20♋ 3 | 5♎ 0 | 1♌31 | 28♌26 | 26♌44 | 12♌59 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| M 1 | 3n39 | 13n45 | 0s41 | 4n 9 | 0s20 | 13n48 | 3s20 | 2n 0 | 0n23 | 12n17 | 1s 0 | 22s17 | 0n 8 | 23n 7 | 0n37 | 0n18 | 2n 3 | 35n 3 | 15n 8 | 11n51 | 12n18 | 16n36 | | | n.a. |
| T 2 | 3 14 | 10 35 | 0n25 | 4 59 | 0n 1 | 13 53 | 3 8 | 1 41 | 0 22 | 12 15 | 1 0 | 22 18 | 0 8 | 23 7 | 0 37 | 0 17 | 2 3 | 35 4 | 15 9 | 11 51 | 12 19 | 16 35 | | | n.a. |
| W 3 | 2 50 | 6 56 | 1 30 | 5 46 | 0 21 | 13 57 | 2 56 | 1 23 | 0 22 | 12 14 | 1 0 | 22 18 | 0 8 | 23 6 | 0 37 | 0 16 | 2 3 | 35 4 | 15 9 | 11 51 | 12 20 | 16 34 | | | n.a. |
| T 4 | 2 25 | 2 58 | 2 32 | 6 29 | 0 40 | 14 1 | 2 44 | 1 5 | 0 21 | 12 12 | 1 0 | 22 19 | 0 7 | 23 6 | 0 37 | 0 15 | 2 3 | 35 4 | 15 9 | 11 52 | 12 21 | 16 33 | | | n.a. |
| F 5 | 2 1 | 1s12 | 3 28 | 7 7 | 0 58 | 14 3 | 2 32 | 0 46 | 0 20 | 12 11 | 1 0 | 22 20 | 0 7 | 23 6 | 0 37 | 0 14 | 2 3 | 35 4 | 15 10 | 11 53 | 12 22 | 16 32 | | | n.a. |
| S 6 | 1 36 | 5 22 | 4 14 | 7 39 | 1 15 | 14 5 | 2 21 | 0 28 | 0 20 | 12 9 | 1 0 | 22 20 | 0 7 | 23 5 | 0 38 | 0 14 | 2 3 | 35 4 | 15 10 | 11 55 | 12 23 | 16 31 | | | n.a. |
| S 7 | 1 11 | 9 21 | 4 49 | 8 6 | 1 29 | 14 6 | 2 10 | 0 10 | 0 19 | 12 7 | 1 0 | 22 21 | 0 7 | 23 5 | 0 38 | 0 13 | 2 3 | 35 4 | 15 11 | 11 57 | 12 24 | 16 30 | | | n.a. |
| M 8 | 0 47 | 12 58 | 5 9 | 8 26 | 1 42 | 14 7 | 1 59 | 0s 9 | 0 18 | 12 5 | 1 0 | 22 21 | 0 7 | 23 5 | 0 38 | 0 12 | 2 3 | 35 4 | 15 11 | 11 58 | 12 25 | 16 29 | | | n.a. |
| T 9 | 0 22 | 15 59 | 5 13 | 8 40 | 1 53 | 14 6 | 1 48 | 0 27 | 0 18 | 12 4 | 1 0 | 22 22 | 0 7 | 23 5 | 0 38 | 0 11 | 2 3 | 35 4 | 15 12 | 12 0 | 12 26 | 16 28 | | | n.a. |
| W10 | 0s 3 | 18 13 | 5 0 | 8 48 | 2 2 | 14 5 | 1 38 | 0 46 | 0 17 | 12 2 | 1 0 | 22 23 | 0 7 | 23 5 | 0 38 | 0 10 | 2 3 | 35 4 | 15 12 | 12 0 | 12 28 | 16 27 | | | n.a. |
| T 11 | 0 27 | 19 26 | 4 29 | 8 50 | 2 10 | 14 3 | 1 27 | 1 4 | 0 17 | 12 0 | 1 0 | 22 23 | 0 7 | 23 4 | 0 38 | 0 9 | 2 3 | 35 4 | 15 13 | 12 1 | 12 29 | 16 26 | | | n.a. |
| F 12 | 0 52 | 19 29 | 3 43 | 8 46 | 2 16 | 14 0 | 1 17 | 1 22 | 0 16 | 11 58 | 1 0 | 22 24 | 0 7 | 23 4 | 0 38 | 0 8 | 2 3 | 35 4 | 15 13 | 12 1 | 12 30 | 16 25 | | | n.a. |
| S 13 | 1 17 | 18 19 | 2 42 | 8 38 | 2 20 | 13 57 | 1 7 | 1 41 | 0 15 | 11 56 | 1 0 | 22 25 | 0 7 | 23 4 | 0 38 | 0 7 | 2 3 | 35 4 | 15 14 | 12 0 | 12 31 | 16 24 | | | n.a. |
| S 14 | 1 42 | 15 57 | 1 30 | 8 26 | 2 23 | 13 53 | 0 58 | 1 59 | 0 15 | 11 53 | 1 0 | 22 25 | 0 7 | 23 4 | 0 38 | 0 6 | 2 3 | 35 5 | 15 14 | 12 0 | 12 32 | 16 23 | | | n.a. |
| M15 | 2 6 | 12 32 | 0 11 | 8 10 | 2 25 | 13 48 | 0 48 | 2 18 | 0 14 | 11 51 | 1 0 | 22 26 | 0 6 | 23 3 | 0 38 | 0 5 | 2 3 | 35 5 | 15 15 | 11 59 | 12 33 | 16 22 | | | n.a. |
| T 16 | 2 31 | 8 19 | 1s 8 | 7 50 | 2 25 | 13 42 | 0 39 | 2 36 | 0 13 | 11 49 | 0 59 | 22 27 | 0 6 | 23 3 | 0 38 | 0 4 | 2 3 | 35 5 | 15 15 | 11 59 | 12 34 | 16 21 | | | n.a. |
| W17 | 2 56 | 3 37 | 2 23 | 7 26 | 2 25 | 13 36 | 0 30 | 2 55 | 0 13 | 11 47 | 0 59 | 22 27 | 0 6 | 23 3 | 0 38 | 0 3 | 2 3 | 35 5 | 15 16 | 12 0 | 12 35 | 16 20 | | | n.a. |
| T 18 | 3 20 | 1n15 | 3 28 | 7 1 | 2 24 | 13 29 | 0 22 | 3 13 | 0 12 | 11 44 | 0 59 | 22 28 | 0 6 | 23 3 | 0 38 | 0 3 | 2 3 | 35 5 | 15 16 | 12 2 | 12 37 | 16 19 | | | n.a. |
| F 19 | 3 45 | 5 57 | 4 18 | 6 32 | 2 22 | 13 21 | 0 13 | 3 32 | 0 11 | 11 42 | 0 59 | 22 29 | 0 6 | 23 3 | 0 38 | 0 2 | 2 3 | 35 6 | 15 17 | 12 4 | 12 38 | 16 18 | | | n.a. |
| S 20 | 4 9 | 10 14 | 4 52 | 6 2 | 2 19 | 13 13 | 0 5 | 3 50 | 0 11 | 11 40 | 0 59 | 22 30 | 0 6 | 23 3 | 0 38 | 0 1 | 2 3 | 35 6 | 15 17 | 12 7 | 12 39 | 16 17 | | | n.a. |
| S 21 | 4 34 | 13 51 | 5 8 | 5 29 | 2 16 | 13 3 | 0n 3 | 4 9 | 0 10 | 11 37 | 0 59 | 22 30 | 0 6 | 23 2 | 0 38 | 0s 0 | 2 3 | 35 6 | 15 18 | 12 9 | 12 40 | 16 15 | | | n.a. |
| M22 | 4 58 | 16 40 | 5 7 | 4 55 | 2 12 | 12 54 | 0 11 | 4 27 | 0 9 | 11 35 | 0 59 | 22 31 | 0 6 | 23 2 | 0 38 | 0 1 | 2 3 | 35 6 | 15 18 | 12 11 | 12 41 | 16 14 | | | n.a. |
| T 23 | 5 22 | 18 35 | 4 51 | 4 20 | 2 7 | 12 43 | 0 18 | 4 45 | 0 9 | 11 32 | 0 59 | 22 32 | 0 6 | 23 2 | 0 38 | 0 2 | 2 3 | 35 7 | 15 19 | 12 13 | 12 42 | 16 13 | | | n.a. |
| W24 | 5 46 | 19 33 | 4 22 | 3 43 | 2 3 | 12 32 | 0 25 | 5 4 | 0 8 | 11 30 | 0 59 | 22 33 | 0 6 | 23 2 | 0 38 | 0 3 | 2 3 | 35 7 | 15 19 | 12 14 | 12 43 | 16 12 | | | n.a. |
| T 25 | 6 10 | 19 36 | 3 41 | 3 5 | 1 58 | 12 20 | 0 33 | 5 22 | 0 7 | 11 27 | 0 59 | 22 33 | 0 6 | 23 2 | 0 38 | 0 4 | 2 3 | 35 7 | 15 20 | 12 15 | 12 44 | 16 11 | | | n.a. |
| F 26 | 6 34 | 18 46 | 2 52 | 2 27 | 1 52 | 12 8 | 0 39 | 5 40 | 0 7 | 11 25 | 0 59 | 22 34 | 0 5 | 23 2 | 0 38 | 0 5 | 2 3 | 35 7 | 15 20 | 12 15 | 12 45 | 16 10 | | | n.a. |
| S 27 | 6 58 | 17 7 | 1 55 | 1 47 | 1 46 | 11 55 | 0 46 | 5 59 | 0 6 | 11 22 | 0 59 | 22 35 | 0 5 | 23 2 | 0 38 | 0 6 | 2 3 | 35 8 | 15 21 | 12 14 | 12 47 | 16 9 | | | n.a. |
| S 28 | 7 22 | 14 44 | 0 54 | 1 7 | 1 40 | 11 41 | 0 53 | 6 17 | 0 5 | 11 19 | 0 59 | 22 36 | 0 5 | 23 2 | 0 38 | 0 6 | 2 3 | 35 8 | 15 21 | 12 14 | 12 48 | 16 8 | | | n.a. |
| M29 | 7 46 | 11 43 | 0n10 | 0 26 | 1 34 | 11 27 | 0 59 | 6 35 | 0 5 | 11 17 | 0 59 | 22 37 | 0 5 | 23 2 | 0 38 | 0 7 | 2 3 | 35 8 | 15 22 | 12 14 | 12 49 | 16 7 | | | n.a. |
| T 30 | 8 9 | 8 12 | 1 14 | 0s15 | 1 28 | 11 12 | 1 5 | 6 53 | 0 4 | 11 14 | 0 58 | 22 37 | 0 5 | 23 1 | 0 39 | 0 8 | 2 3 | 35 9 | 15 22 | 12 14 | 12 50 | 16 6 | | | n.a. |
| W31 | 8s33 | 4n16 | 2n16 | 0s56 | 1n22 | 10n56 | 1n11 | 7s12 | 0n 3 | 11n11 | 0s58 | 22s38 | 0n 5 | 23n 1 | 0n39 | 0s 9 | 2n 3 | 35n 9 | 15n23 | 12n15 | 12n51 | 16n 5 | | | n.a. |

Julian Day Number = 996309.5, Delta T = 12h56m29s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'38, Lahiri = -31°19'38 Julian Calendar 1 Oct. 1986 BCE == Greg. Calendar 14 Sept. 1986 BCE

The year -1985 astronomical counting style corresponds to year 1986 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## NOVEMBER 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 31 55 | 22♎31'45 | 7♎ 1 | 6♎51 | 6♍ 0 | 18♎52 | 0°R59 | 12♐22 | 20♋ 4 | 5♎ 3 | 1♌32 | 28°R20 | 26♌41 | 13♌ 6 | n.a. | T 1 |
| F 2 | 1 35 51 | 23°33'03 | 19°44 | 8°21 | 6°57 | 19°37 | 0♉51 | 12°27 | 20° 5 | 5° 5 | 1°32 | 28♌12 | 26°38 | 13°13 | n.a. | F 2 |
| S 3 | 1 39 48 | 24°34'22 | 2♏43 | 9°50 | 7°54 | 20°23 | 0°43 | 12°33 | 20° 5 | 5° 7 | 1°33 | 28° 2 | 26°35 | 13°19 | n.a. | S 3 |
| S 4 | 1 43 44 | 25°35'42 | 15°56 | 11°20 | 8°52 | 21° 8 | 0°35 | 12°39 | 20° 6 | 5° 9 | 1°34 | 27°51 | 26°32 | 13°26 | n.a. | S 4 |
| M 5 | 1 47 41 | 26°37'02 | 29°23 | 12°50 | 9°51 | 21°53 | 0°27 | 12°44 | 20° 6 | 5°11 | 1°34 | 27°41 | 26°28 | 13°33 | n.a. | M 5 |
| T 6 | 1 51 38 | 27°38'22 | 13♐ 1 | 14°21 | 10°50 | 22°38 | 0°19 | 12°50 | 20° 6 | 5°13 | 1°35 | 27°32 | 26°25 | 13°39 | n.a. | T 6 |
| W 7 | 1 55 34 | 28°39'42 | 26°48 | 15°52 | 11°50 | 23°24 | 0°11 | 12°56 | 20° 7 | 5°16 | 1°35 | 27°25 | 26°22 | 13°46 | n.a. | W 7 |
| T 8 | 1 59 31 | 29°41'02 | 10♑41 | 17°23 | 12°50 | 24° 9 | 0° 3 | 13° 2 | 20° 7 | 5°18 | 1°36 | 27°21 | 26°19 | 13°53 | n.a. | T 8 |
| F 9 | 2 3 27 | 0♏42'23 | 24°40 | 18°55 | 13°50 | 24°55 | 29♈55 | 13° 8 | 20° 7 | 5°20 | 1°36 | 27°D20 | 26°16 | 13°59 | n.a. | F 9 |
| S 10 | 2 7 24 | 1°43'43 | 8♒44 | 20°27 | 14°51 | 25°40 | 29°46 | 13°14 | 20° 7 | 5°22 | 1°37 | 27°20 | 26°13 | 14° 6 | n.a. | S 10 |
| S 11 | 2 11 20 | 2°45'02 | 22°53 | 21°59 | 15°53 | 26°26 | 29°38 | 13°20 | 20° 7 | 5°24 | 1°37 | 27°R20 | 26° 9 | 14°13 | n.a. | S 11 |
| M12 | 2 15 17 | 3°46'22 | 7♓ 4 | 23°31 | 16°55 | 27°11 | 29°30 | 13°26 | 20°R 8 | 5°26 | 1°37 | 27°20 | 26° 6 | 14°19 | n.a. | M12 |
| T 13 | 2 19 14 | 4°47'41 | 21°16 | 25° 3 | 17°57 | 27°57 | 29°22 | 13°32 | 20° 7 | 5°28 | 1°37 | 27°18 | 26° 3 | 14°26 | n.a. | T 13 |
| W14 | 2 23 10 | 5°49'00 | 5♈27 | 26°36 | 18°59 | 28°42 | 29°14 | 13°38 | 20° 7 | 5°30 | 1°38 | 27°13 | 26° 0 | 14°32 | n.a. | W14 |
| T 15 | 2 27 7 | 6°50'19 | 19°32 | 28° 9 | 20° 2 | 29°28 | 29° 6 | 13°45 | 20° 7 | 5°32 | 1°38 | 27° 5 | 25°57 | 14°39 | n.a. | T 15 |
| F 16 | 2 31 3 | 7°51'38 | 3♉27 | 29°43 | 21° 5 | 0♏14 | 28°58 | 13°51 | 20° 7 | 5°34 | 1°38 | 26°54 | 25°54 | 14°46 | n.a. | F 16 |
| S 17 | 2 35 0 | 8°52'57 | 17° 8 | 1♏16 | 22° 9 | 1° 0 | 28°50 | 13°57 | 20° 7 | 5°36 | 1°38 | 26°42 | 25°50 | 14°52 | n.a. | S 17 |
| S 18 | 2 38 56 | 9°54'15 | 0♊31 | 2°50 | 23°13 | 1°45 | 28°42 | 14° 4 | 20° 7 | 5°38 | 1°38 | 26°29 | 25°47 | 14°59 | n.a. | S 18 |
| M19 | 2 42 53 | 10°55'34 | 13°33 | 4°25 | 24°17 | 2°31 | 28°34 | 14°10 | 20° 6 | 5°40 | 1°38 | 26°17 | 25°44 | 15° 6 | n.a. | M19 |
| T 20 | 2 46 50 | 11°56'52 | 26°16 | 5°59 | 25°22 | 3°17 | 28°26 | 14°17 | 20° 6 | 5°42 | 1°39 | 26° 7 | 25°41 | 15°12 | n.a. | T 20 |
| W21 | 2 50 46 | 12°58'11 | 8♋39 | 7°34 | 26°27 | 4° 3 | 28°19 | 14°23 | 20° 5 | 5°44 | 1°R39 | 26° 0 | 25°38 | 15°19 | n.a. | W21 |
| T 22 | 2 54 43 | 13°59'29 | 20°46 | 9°10 | 27°32 | 4°49 | 28°11 | 14°30 | 20° 5 | 5°46 | 1°39 | 25°55 | 25°34 | 15°26 | n.a. | T 22 |
| F 23 | 2 58 39 | 15° 0'47 | 2♌41 | 10°45 | 28°37 | 5°35 | 28° 4 | 14°36 | 20° 4 | 5°48 | 1°38 | 25°53 | 25°31 | 15°32 | n.a. | F 23 |
| S 24 | 3 2 36 | 16° 2'05 | 14°30 | 12°22 | 29°43 | 6°21 | 27°56 | 14°43 | 20° 4 | 5°49 | 1°38 | 25°D52 | 25°28 | 15°39 | n.a. | S 24 |
| S 25 | 3 6 32 | 17° 3'23 | 26°17 | 13°58 | 0♎49 | 7° 7 | 27°49 | 14°50 | 20° 3 | 5°51 | 1°38 | 25°R52 | 25°25 | 15°46 | n.a. | S 25 |
| M26 | 3 10 29 | 18° 4'40 | 8♍10 | 15°35 | 1°55 | 7°53 | 27°42 | 14°56 | 20° 2 | 5°53 | 1°38 | 25°52 | 25°22 | 15°52 | n.a. | M26 |
| T 27 | 3 14 25 | 19° 5'58 | 20°12 | 17°12 | 3° 2 | 8°39 | 27°35 | 15° 3 | 20° 1 | 5°55 | 1°38 | 25°50 | 25°19 | 15°59 | n.a. | T 27 |
| W28 | 3 18 22 | 20° 7'15 | 2♎29 | 18°50 | 4° 8 | 9°25 | 27°27 | 15°10 | 20° 0 | 5°57 | 1°38 | 25°45 | 25°15 | 16° 6 | n.a. | W28 |
| T 29 | 3 22 19 | 21° 8'31 | 15° 4 | 20°29 | 5°15 | 10°11 | 27°21 | 15°17 | 20° 0 | 5°58 | 1°37 | 25°38 | 25°12 | 16°12 | n.a. | T 29 |
| F 30 | 3 26 15 | 22♏ 9'47 | 28♎ 0 | 22♏ 7 | 6♎22 | 10♏58 | 27♈14 | 15♐23 | 19♋59 | 6♎ 0 | 1♌37 | 25♌28 | 25♌ 9 | 16♌19 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8s56 | 0n 5 | 3n12 | 1s38 | 1n15 | 10n40 | 1n16 | 7s30 | 0n 3 | 11n 9 | 0s58 | 22s39 | 0n 5 | 23n 1 | 0n39 | 0s10 | 2n 3 | 35n 9 | 15n23 | 12n17 | 12n52 | 16n 4 | | n.a. |
| F 2 | 9 19 | 4s11 | 3 59 | 2 20 | 1 8 | 10 24 | 1 22 | 7 48 | 0 2 | 11 6 | 0 58 | 22 40 | 0 5 | 23 1 | 0 39 | 0 11 | 2 3 | 35 10 | 15 24 | 12 20 | 12 53 | 16 3 | | n.a. |
| S 3 | 9 42 | 8 21 | 4 36 | 3 2 | 1 2 | 10 7 | 1 27 | 8 6 | 0 1 | 11 3 | 0 58 | 22 41 | 0 5 | 23 1 | 0 39 | 0 12 | 2 3 | 35 10 | 15 24 | 12 24 | 12 54 | 16 1 | | n.a. |
| S 4 | 10 5 | 12 11 | 4 58 | 3 44 | 0 55 | 9 49 | 1 32 | 8 24 | 0 1 | 11 0 | 0 58 | 22 42 | 0 5 | 23 1 | 0 39 | 0 12 | 2 3 | 35 10 | 15 25 | 12 28 | 12 55 | 16 0 | | n.a. |
| M 5 | 10 28 | 15 28 | 5 4 | 4 26 | 0 48 | 9 31 | 1 37 | 8 42 | 0s 0 | 10 58 | 0 58 | 22 42 | 0 5 | 23 1 | 0 39 | 0 13 | 2 3 | 35 11 | 15 25 | 12 31 | 12 56 | 15 59 | | n.a. |
| T 6 | 10 50 | 17 58 | 4 54 | 5 8 | 0 41 | 9 13 | 1 42 | 8 59 | 0 1 | 10 55 | 0 58 | 22 43 | 0 4 | 23 1 | 0 39 | 0 14 | 2 3 | 35 11 | 15 26 | 12 34 | 12 58 | 15 58 | | n.a. |
| W 7 | 11 13 | 19 27 | 4 26 | 5 50 | 0 34 | 8 53 | 1 46 | 9 17 | 0 1 | 10 52 | 0 58 | 22 44 | 0 4 | 23 1 | 0 39 | 0 15 | 2 3 | 35 12 | 15 27 | 12 37 | 12 59 | 15 57 | | n.a. |
| T 8 | 11 35 | 19 47 | 3 42 | 6 32 | 0 27 | 8 34 | 1 50 | 9 35 | 0 2 | 10 49 | 0 57 | 22 45 | 0 4 | 23 1 | 0 39 | 0 16 | 2 3 | 35 12 | 15 27 | 12 38 | 13 0 | 15 56 | | n.a. |
| F 9 | 11 57 | 18 55 | 2 45 | 7 14 | 0 20 | 8 14 | 1 54 | 9 53 | 0 3 | 10 46 | 0 57 | 22 46 | 0 4 | 23 1 | 0 39 | 0 17 | 2 3 | 35 12 | 15 28 | 12 39 | 13 1 | 15 55 | | n.a. |
| S 10 | 12 19 | 16 52 | 1 38 | 7 56 | 0 14 | 7 53 | 1 58 | 10 10 | 0 3 | 10 44 | 0 57 | 22 47 | 0 4 | 23 1 | 0 39 | 0 17 | 2 3 | 35 13 | 15 28 | 12 39 | 13 2 | 15 54 | | n.a. |
| S 11 | 12 40 | 13 47 | 0 24 | 8 37 | 0 7 | 7 33 | 2 2 | 10 28 | 0 4 | 10 41 | 0 57 | 22 47 | 0 4 | 23 1 | 0 39 | 0 18 | 2 3 | 35 13 | 15 29 | 12 38 | 13 3 | 15 53 | | n.a. |
| M12 | 13 2 | 9 53 | 0s52 | 9 19 | 0 0 | 7 11 | 2 5 | 10 45 | 0 5 | 10 38 | 0 57 | 22 48 | 0 4 | 23 1 | 0 39 | 0 19 | 2 3 | 35 14 | 15 29 | 12 39 | 13 4 | 15 51 | | n.a. |
| T 13 | 13 23 | 5 25 | 2 4 | 9 59 | 0s 7 | 6 50 | 2 9 | 11 2 | 0 5 | 10 35 | 0 57 | 22 49 | 0 4 | 23 1 | 0 39 | 0 20 | 2 3 | 35 14 | 15 30 | 12 39 | 13 5 | 15 50 | | n.a. |
| W14 | 13 44 | 0 40 | 3 8 | 10 40 | 0 13 | 6 27 | 2 12 | 11 20 | 0 6 | 10 33 | 0 56 | 22 50 | 0 4 | 23 1 | 0 39 | 0 21 | 2 3 | 35 15 | 15 30 | 12 41 | 13 6 | 15 49 | | n.a. |
| T 15 | 14 4 | 4n 6 | 4 0 | 11 20 | 0 20 | 6 5 | 2 15 | 11 37 | 0 7 | 10 30 | 0 56 | 22 51 | 0 4 | 23 1 | 0 39 | 0 21 | 2 4 | 35 15 | 15 31 | 12 44 | 13 7 | 15 48 | | n.a. |
| F 16 | 14 25 | 8 35 | 4 37 | 12 0 | 0 26 | 5 42 | 2 18 | 11 54 | 0 8 | 10 27 | 0 56 | 22 52 | 0 4 | 23 2 | 0 39 | 0 22 | 2 4 | 35 16 | 15 32 | 12 48 | 13 9 | 15 47 | | n.a. |
| S 17 | 14 45 | 12 32 | 4 58 | 12 39 | 0 32 | 5 19 | 2 20 | 12 11 | 0 8 | 10 24 | 0 56 | 22 53 | 0 4 | 23 2 | 0 39 | 0 23 | 2 4 | 35 16 | 15 32 | 12 52 | 13 10 | 15 46 | | n.a. |
| S 18 | 15 5 | 15 46 | 5 1 | 13 18 | 0 39 | 4 55 | 2 23 | 12 28 | 0 9 | 10 22 | 0 56 | 22 53 | 0 3 | 23 2 | 0 39 | 0 24 | 2 4 | 35 17 | 15 33 | 12 56 | 13 11 | 15 45 | | n.a. |
| M19 | 15 24 | 18 7 | 4 48 | 13 57 | 0 45 | 4 32 | 2 25 | 12 44 | 0 10 | 10 19 | 0 56 | 22 54 | 0 3 | 23 2 | 0 39 | 0 24 | 2 4 | 35 17 | 15 33 | 13 0 | 13 12 | 15 43 | | n.a. |
| T 20 | 15 44 | 19 31 | 4 22 | 14 35 | 0 51 | 4 8 | 2 27 | 13 1 | 0 10 | 10 16 | 0 55 | 22 55 | 0 3 | 23 2 | 0 39 | 0 25 | 2 4 | 35 18 | 15 34 | 13 4 | 13 13 | 15 42 | | n.a. |
| W21 | 16 3 | 19 55 | 3 43 | 15 12 | 0 56 | 3 43 | 2 29 | 13 18 | 0 11 | 10 14 | 0 55 | 22 56 | 0 3 | 23 2 | 0 39 | 0 26 | 2 4 | 35 18 | 15 34 | 13 6 | 13 14 | 15 41 | | n.a. |
| T 22 | 16 21 | 19 24 | 2 55 | 15 49 | 1 2 | 3 18 | 2 31 | 13 34 | 0 12 | 10 11 | 0 55 | 22 57 | 0 3 | 23 2 | 0 39 | 0 27 | 2 4 | 35 19 | 15 35 | 13 8 | 13 15 | 15 40 | | n.a. |
| F 23 | 16 40 | 18 1 | 2 0 | 16 25 | 1 7 | 2 53 | 2 33 | 13 50 | 0 12 | 10 9 | 0 55 | 22 58 | 0 3 | 23 2 | 0 40 | 0 27 | 2 4 | 35 19 | 15 35 | 13 9 | 13 16 | 15 39 | | n.a. |
| S 24 | 16 58 | 15 51 | 1 0 | 17 0 | 1 13 | 2 28 | 2 35 | 14 7 | 0 13 | 10 6 | 0 55 | 22 59 | 0 3 | 23 2 | 0 40 | 0 28 | 2 4 | 35 20 | 15 36 | 13 9 | 13 17 | 15 38 | | n.a. |
| S 25 | 17 16 | 13 2 | 0n 2 | 17 35 | 1 18 | 2 3 | 2 36 | 14 23 | 0 14 | 10 4 | 0 54 | 22 59 | 0 3 | 23 3 | 0 40 | 0 29 | 2 4 | 35 20 | 15 37 | 13 9 | 13 18 | 15 36 | | n.a. |
| M26 | 17 34 | 9 40 | 1 5 | 18 9 | 1 23 | 1 37 | 2 37 | 14 39 | 0 14 | 10 1 | 0 54 | 23 0 | 0 3 | 23 3 | 0 40 | 0 29 | 2 4 | 35 21 | 15 37 | 13 9 | 13 19 | 15 35 | | n.a. |
| T 27 | 17 51 | 5 52 | 2 5 | 18 42 | 1 27 | 1 11 | 2 38 | 14 54 | 0 15 | 9 59 | 0 54 | 23 1 | 0 3 | 23 3 | 0 40 | 0 30 | 2 4 | 35 22 | 15 38 | 13 10 | 13 21 | 15 34 | | n.a. |
| W28 | 18 8 | 1 45 | 3 1 | 19 14 | 1 32 | 0 45 | 2 39 | 15 10 | 0 16 | 9 57 | 0 54 | 23 2 | 0 3 | 23 3 | 0 40 | 0 31 | 2 4 | 35 22 | 15 38 | 13 11 | 13 22 | 15 33 | | n.a. |
| T 29 | 18 24 | 2s32 | 3 49 | 19 46 | 1 36 | 0 19 | 2 40 | 15 26 | 0 16 | 9 54 | 0 53 | 23 3 | 0 3 | 23 3 | 0 40 | 0 31 | 2 4 | 35 23 | 15 39 | 13 14 | 13 23 | 15 32 | | n.a. |
| F 30 | 18s41 | 6s50 | 4n27 | 20s16 | 1s40 | 0s 8 | 2n41 | 15s41 | 0s17 | 9n52 | 0s53 | 23s 4 | 0n 2 | 23n 3 | 0n40 | 0s32 | 2n 4 | 35n23 | 15n39 | 13n17 | 13n24 | 15n31 | | n.a. |

Julian Day Number = 996340.5, Delta T = 12h56m27s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'34, Lahiri = -31°19'34 Julian Calendar 1 Nov. 1986 BCE == Greg. Calendar 15 Oct. 1986 BCE


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# ASTRODIENST EPHEMERIS for the year 1986 BCE
# geocentric

## DECEMBER 1986 BCE (-1985) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 30 12 | 23♏11'03 | 11♏17 | 23♏47 | 7♎30 | 11♏44 | 27°R 7 | 15♐30 | 19°R58 | 6♎ 2 | 1°R37 | 25°R15 | 25♌ 6 | 16♌26 | n.a. | S 1 |
| S 2 | 3 34 8 | 24°12'17 | 24°54 | 25°26 | 8°37 | 12°30 | 27♈ 1 | 15°37 | 19♋56 | 6° 3 | 1♌36 | 25♌ 2 | 25° 3 | 16°32 | n.a. | S 2 |
| M 3 | 3 38 5 | 25°13'32 | 8♐48 | 27° 7 | 9°45 | 13°16 | 26°54 | 15°44 | 19°55 | 6° 5 | 1°36 | 24°49 | 24°59 | 16°39 | n.a. | M 3 |
| T 4 | 3 42 1 | 26°14'45 | 22°54 | 28°47 | 10°53 | 14° 3 | 26°48 | 15°51 | 19°54 | 6° 7 | 1°36 | 24°38 | 24°56 | 16°45 | n.a. | T 4 |
| W 5 | 3 45 58 | 27°15'57 | 7♑ 6 | 0♐29 | 12° 1 | 14°49 | 26°42 | 15°58 | 19°53 | 6° 8 | 1°35 | 24°29 | 24°53 | 16°52 | n.a. | W 5 |
| T 6 | 3 49 55 | 28°17'09 | 21°21 | 2°10 | 13° 9 | 15°36 | 26°36 | 16° 5 | 19°52 | 6°10 | 1°35 | 24°23 | 24°50 | 16°59 | n.a. | T 6 |
| F 7 | 3 53 51 | 29°18'19 | 5♒35 | 3°53 | 14°17 | 16°22 | 26°30 | 16°12 | 19°50 | 6°11 | 1°34 | 24°20 | 24°47 | 17° 5 | n.a. | F 7 |
| S 8 | 3 57 48 | 0♐19'28 | 19°44 | 5°35 | 15°26 | 17° 8 | 26°24 | 16°19 | 19°49 | 6°13 | 1°34 | 24°19 | 24°44 | 17°12 | n.a. | S 8 |
| S 9 | 4 1 44 | 1°20'35 | 3♓48 | 7°18 | 16°34 | 17°55 | 26°19 | 16°26 | 19°48 | 6°14 | 1°33 | 24°19 | 24°40 | 17°19 | n.a. | S 9 |
| M10 | 4 5 41 | 2°21'41 | 17°47 | 9° 2 | 17°43 | 18°41 | 26°14 | 16°34 | 19°46 | 6°16 | 1°32 | 24°19 | 24°37 | 17°25 | n.a. | M10 |
| T 11 | 4 9 37 | 3°22'46 | 1♈39 | 10°46 | 18°52 | 19°28 | 26° 8 | 16°41 | 19°45 | 6°17 | 1°32 | 24°16 | 24°34 | 17°32 | n.a. | T 11 |
| W12 | 4 13 34 | 4°23'49 | 15°25 | 12°30 | 20° 1 | 20°14 | 26° 3 | 16°48 | 19°43 | 6°19 | 1°31 | 24°11 | 24°31 | 17°39 | n.a. | W12 |
| T 13 | 4 17 30 | 5°24'51 | 29° 3 | 14°15 | 21°10 | 21° 1 | 25°59 | 16°55 | 19°41 | 6°20 | 1°30 | 24° 3 | 24°28 | 17°45 | n.a. | T 13 |
| F 14 | 4 21 27 | 6°25'52 | 12♉32 | 15°59 | 22°20 | 21°47 | 25°54 | 17° 2 | 19°40 | 6°21 | 1°30 | 23°52 | 24°25 | 17°52 | n.a. | F 14 |
| S 15 | 4 25 24 | 7°26'51 | 25°49 | 17°44 | 23°29 | 22°34 | 25°49 | 17° 9 | 19°38 | 6°23 | 1°29 | 23°39 | 24°21 | 17°59 | n.a. | S 15 |
| S 16 | 4 29 20 | 8°27'49 | 8♊52 | 19°28 | 24°39 | 23°21 | 25°45 | 17°17 | 19°36 | 6°24 | 1°28 | 23°26 | 24°18 | 18° 5 | n.a. | S 16 |
| M17 | 4 33 17 | 9°28'46 | 21°41 | 21°12 | 25°48 | 24° 7 | 25°41 | 17°24 | 19°35 | 6°25 | 1°27 | 23°13 | 24°15 | 18°12 | n.a. | M17 |
| T 18 | 4 37 13 | 10°29'42 | 4♋13 | 22°56 | 26°58 | 24°54 | 25°37 | 17°31 | 19°33 | 6°27 | 1°26 | 23° 3 | 24°12 | 18°19 | n.a. | T 18 |
| W19 | 4 41 10 | 11°30'36 | 16°31 | 24°39 | 28° 8 | 25°41 | 25°33 | 17°38 | 19°31 | 6°28 | 1°26 | 22°54 | 24° 9 | 18°25 | n.a. | W19 |
| T 20 | 4 45 6 | 12°31'29 | 28°35 | 26°21 | 29°18 | 26°27 | 25°30 | 17°45 | 19°29 | 6°29 | 1°25 | 22°49 | 24° 5 | 18°32 | n.a. | T 20 |
| F 21 | 4 49 3 | 13°32'21 | 10♌29 | 28° 2 | 0♏28 | 27°14 | 25°26 | 17°53 | 19°27 | 6°30 | 1°24 | 22°46 | 24° 2 | 18°38 | n.a. | F 21 |
| S 22 | 4 53 0 | 14°33'12 | 22°18 | 29°40 | 1°39 | 28° 1 | 25°23 | 18° 0 | 19°25 | 6°31 | 1°23 | 22°D45 | 23°59 | 18°45 | n.a. | S 22 |
| S 23 | 4 56 56 | 15°34'01 | 4♍ 5 | 1♑17 | 2°49 | 28°48 | 25°20 | 18° 7 | 19°23 | 6°32 | 1°22 | 22°46 | 23°56 | 18°52 | n.a. | S 23 |
| M24 | 5 0 53 | 16°34'49 | 15°57 | 2°51 | 3°59 | 29°34 | 25°18 | 18°14 | 19°21 | 6°33 | 1°21 | 22°R46 | 23°53 | 18°58 | n.a. | M24 |
| T 25 | 5 4 49 | 17°35'36 | 27°58 | 4°23 | 5°10 | 0♐21 | 25°15 | 18°22 | 19°19 | 6°34 | 1°20 | 22°45 | 23°50 | 19° 5 | n.a. | T 25 |
| W26 | 5 8 46 | 18°36'22 | 10♎14 | 5°50 | 6°20 | 1° 8 | 25°13 | 18°29 | 19°17 | 6°35 | 1°19 | 22°43 | 23°46 | 19°12 | n.a. | W26 |
| T 27 | 5 12 42 | 19°37'06 | 22°51 | 7°13 | 7°31 | 1°55 | 25°10 | 18°36 | 19°15 | 6°36 | 1°18 | 22°38 | 23°43 | 19°18 | n.a. | T 27 |
| F 28 | 5 16 39 | 20°37'49 | 5♏51 | 8°31 | 8°42 | 2°42 | 25° 8 | 18°44 | 19°13 | 6°37 | 1°16 | 22°31 | 23°40 | 19°25 | n.a. | F 28 |
| S 29 | 5 20 35 | 21°38'30 | 19°17 | 9°43 | 9°53 | 3°28 | 25° 6 | 18°51 | 19°11 | 6°38 | 1°15 | 22°22 | 23°37 | 19°32 | n.a. | S 29 |
| S 30 | 5 24 32 | 22°39'10 | 3♐ 7 | 10°49 | 11° 4 | 4°15 | 25° 5 | 18°58 | 19° 8 | 6°39 | 1°14 | 22°12 | 23°34 | 19°38 | n.a. | S 30 |
| M31 | 5 28 29 | 23♐39'49 | 17♐20 | 11♑48 | 12♏15 | 5♐ 2 | 25♈ 3 | 19♐ 5 | 19♋ 6 | 6♎40 | 1♌13 | 22♌ 2 | 23♌31 | 19♌45 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 18s56 | 10s54 | 4n52 | 20s46 | 1s43 | 0s34 | 2n41 | 15s56 | 0s18 | 9n50 | 0s53 | 23s 4 | 0n 2 | 23n 4 | 0n40 | 0s33 | 2n 4 | 35n24 | 15n40 | 13n22 | 13n25 | 15n29 | | n.a. | S 1 |
| S 2 | 19 12 | 14 31 | 5 0 | 21 14 | 1 47 | 1 1 | 2 42 | 16 12 | 0 19 | 9 48 | 0 53 | 23 5 | 0 2 | 23 4 | 0 40 | 0 33 | 2 4 | 35 24 | 15 40 | 13 26 | 13 26 | 15 28 | | n.a. | S 2 |
| M 3 | 19 27 | 17 25 | 4 52 | 21 41 | 1 50 | 1 28 | 2 42 | 16 27 | 0 19 | 9 45 | 0 53 | 23 6 | 0 2 | 23 4 | 0 40 | 0 34 | 2 4 | 35 25 | 15 41 | 13 31 | 13 27 | 15 27 | | n.a. | M 3 |
| T 4 | 19 42 | 19 19 | 4 25 | 22 7 | 1 53 | 1 55 | 2 42 | 16 41 | 0 20 | 9 43 | 0 52 | 23 7 | 0 2 | 23 4 | 0 40 | 0 35 | 2 4 | 35 26 | 15 41 | 13 35 | 13 28 | 15 26 | | n.a. | T 4 |
| W 5 | 19 56 | 20 2 | 3 42 | 22 32 | 1 55 | 2 22 | 2 42 | 16 56 | 0 21 | 9 41 | 0 52 | 23 8 | 0 2 | 23 4 | 0 40 | 0 35 | 2 4 | 35 26 | 15 42 | 13 38 | 13 29 | 15 25 | | n.a. | W 5 |
| T 6 | 20 11 | 19 28 | 2 45 | 22 55 | 1 57 | 2 49 | 2 42 | 17 11 | 0 21 | 9 39 | 0 52 | 23 9 | 0 2 | 23 5 | 0 40 | 0 36 | 2 4 | 35 27 | 15 42 | 13 39 | 13 30 | 15 23 | | n.a. | T 6 |
| F 7 | 20 24 | 17 41 | 1 37 | 23 17 | 1 59 | 3 16 | 2 42 | 17 25 | 0 22 | 9 38 | 0 52 | 23 9 | 0 2 | 23 5 | 0 40 | 0 36 | 2 5 | 35 28 | 15 43 | 13 40 | 13 31 | 15 22 | | n.a. | F 7 |
| S 8 | 20 38 | 14 49 | 0 24 | 23 38 | 2 0 | 3 43 | 2 41 | 17 39 | 0 23 | 9 36 | 0 51 | 23 10 | 0 2 | 23 5 | 0 40 | 0 37 | 2 5 | 35 28 | 15 43 | 13 41 | 13 32 | 15 21 | | n.a. | S 8 |
| S 9 | 20 51 | 11 5 | 0s50 | 23 57 | 2 1 | 4 10 | 2 41 | 17 53 | 0 23 | 9 34 | 0 51 | 23 11 | 0 2 | 23 5 | 0 40 | 0 37 | 2 5 | 35 29 | 15 44 | 13 41 | 13 34 | 15 20 | | n.a. | S 9 |
| M10 | 21 3 | 6 46 | 2 1 | 24 14 | 2 1 | 4 38 | 2 40 | 18 7 | 0 24 | 9 32 | 0 51 | 23 12 | 0 2 | 23 6 | 0 40 | 0 38 | 2 5 | 35 29 | 15 44 | 13 41 | 13 35 | 15 18 | | n.a. | M10 |
| T 11 | 21 15 | 2 8 | 3 4 | 24 30 | 2 1 | 5 5 | 2 39 | 18 21 | 0 25 | 9 30 | 0 51 | 23 13 | 0 2 | 23 6 | 0 40 | 0 39 | 2 5 | 35 30 | 15 45 | 13 42 | 13 36 | 15 17 | | n.a. | T 11 |
| W12 | 21 27 | 2n35 | 3 56 | 24 44 | 2 0 | 5 32 | 2 39 | 18 34 | 0 25 | 9 29 | 0 50 | 23 14 | 0 2 | 23 6 | 0 40 | 0 39 | 2 5 | 35 31 | 15 45 | 13 44 | 13 37 | 15 16 | | n.a. | W12 |
| T 13 | 21 38 | 7 6 | 4 33 | 24 56 | 1 59 | 6 0 | 2 38 | 18 47 | 0 26 | 9 27 | 0 50 | 23 14 | 0 1 | 23 6 | 0 40 | 0 40 | 2 5 | 35 31 | 15 46 | 13 46 | 13 38 | 15 15 | | n.a. | T 13 |
| F 14 | 21 49 | 11 14 | 4 55 | 25 6 | 1 57 | 6 27 | 2 37 | 19 1 | 0 27 | 9 26 | 0 50 | 23 15 | 0 1 | 23 7 | 0 40 | 0 40 | 2 5 | 35 32 | 15 46 | 13 50 | 13 39 | 15 14 | | n.a. | F 14 |
| S 15 | 21 59 | 14 44 | 5 1 | 25 14 | 1 54 | 6 54 | 2 35 | 19 13 | 0 27 | 9 24 | 0 50 | 23 16 | 0 1 | 23 7 | 0 40 | 0 41 | 2 5 | 35 33 | 15 47 | 13 54 | 13 40 | 15 12 | | n.a. | S 15 |
| S 16 | 22 9 | 17 27 | 4 50 | 25 21 | 1 51 | 7 21 | 2 34 | 19 26 | 0 28 | 9 23 | 0 49 | 23 17 | 0 1 | 23 7 | 0 40 | 0 41 | 2 5 | 35 33 | 15 47 | 13 59 | 13 41 | 15 11 | | n.a. | S 16 |
| M17 | 22 19 | 19 14 | 4 25 | 25 25 | 1 48 | 7 48 | 2 33 | 19 39 | 0 29 | 9 22 | 0 49 | 23 17 | 0 1 | 23 8 | 0 40 | 0 41 | 2 5 | 35 34 | 15 48 | 14 3 | 13 42 | 15 10 | | n.a. | M17 |
| T 18 | 22 28 | 20 3 | 3 48 | 25 27 | 1 43 | 8 15 | 2 31 | 19 51 | 0 29 | 9 21 | 0 49 | 23 18 | 0 1 | 23 8 | 0 40 | 0 42 | 2 5 | 35 35 | 15 48 | 14 7 | 13 43 | 15 9 | | n.a. | T 18 |
| W19 | 22 37 | 19 54 | 3 0 | 25 26 | 1 38 | 8 42 | 2 30 | 20 3 | 0 30 | 9 19 | 0 48 | 23 19 | 0 1 | 23 8 | 0 41 | 0 42 | 2 5 | 35 35 | 15 49 | 14 9 | 13 44 | 15 7 | | n.a. | W19 |
| T 20 | 22 45 | 18 49 | 2 5 | 25 24 | 1 32 | 9 8 | 2 28 | 20 15 | 0 31 | 9 18 | 0 48 | 23 20 | 0 1 | 23 8 | 0 41 | 0 43 | 2 5 | 35 36 | 15 49 | 14 11 | 13 45 | 15 6 | | n.a. | T 20 |
| F 21 | 22 53 | 16 55 | 1 5 | 25 19 | 1 25 | 9 35 | 2 27 | 20 27 | 0 31 | 9 17 | 0 48 | 23 20 | 0 1 | 23 9 | 0 41 | 0 43 | 2 5 | 35 37 | 15 50 | 14 12 | 13 46 | 15 5 | | n.a. | F 21 |
| S 22 | 23 0 | 14 19 | 0 2 | 25 13 | 1 17 | 10 1 | 2 25 | 20 38 | 0 32 | 9 16 | 0 48 | 23 21 | 0 1 | 23 9 | 0 41 | 0 44 | 2 5 | 35 37 | 15 50 | 14 12 | 13 48 | 15 4 | | n.a. | S 22 |
| S 23 | 23 7 | 11 8 | 1n 0 | 25 4 | 1 9 | 10 28 | 2 23 | 20 49 | 0 33 | 9 16 | 0 47 | 23 22 | 0 1 | 23 9 | 0 41 | 0 44 | 2 5 | 35 38 | 15 50 | 14 12 | 13 49 | 15 2 | | n.a. | S 23 |
| M24 | 23 14 | 7 30 | 2 1 | 24 53 | 0 59 | 10 54 | 2 21 | 21 0 | 0 33 | 9 15 | 0 47 | 23 23 | 0 1 | 23 10 | 0 41 | 0 44 | 2 6 | 35 39 | 15 51 | 14 12 | 13 50 | 15 1 | | n.a. | M24 |
| T 25 | 23 20 | 3 31 | 2 56 | 24 40 | 0 49 | 11 20 | 2 19 | 21 11 | 0 34 | 9 14 | 0 47 | 23 23 | 0 1 | 23 10 | 0 41 | 0 45 | 2 6 | 35 39 | 15 51 | 14 12 | 13 51 | 15 0 | | n.a. | T 25 |
| W26 | 23 25 | 0s41 | 3 45 | 24 25 | 0 38 | 11 45 | 2 17 | 21 22 | 0 35 | 9 13 | 0 47 | 23 24 | 0 0 | 23 10 | 0 41 | 0 45 | 2 6 | 35 40 | 15 52 | 14 13 | 13 52 | 14 58 | | n.a. | W26 |
| T 27 | 23 30 | 4 58 | 4 25 | 24 9 | 0 26 | 12 11 | 2 14 | 21 32 | 0 35 | 9 13 | 0 46 | 23 25 | 0 0 | 23 11 | 0 41 | 0 45 | 2 6 | 35 41 | 15 52 | 14 15 | 13 53 | 14 57 | | n.a. | T 27 |
| F 28 | 23 35 | 9 9 | 4 52 | 23 51 | 0 13 | 12 36 | 2 12 | 21 42 | 0 36 | 9 12 | 0 46 | 23 26 | 0 0 | 23 11 | 0 41 | 0 46 | 2 6 | 35 41 | 15 53 | 14 17 | 13 54 | 14 56 | | n.a. | F 28 |
| S 29 | 23 39 | 13 1 | 5 4 | 23 32 | 0n 1 | 13 1 | 2 10 | 21 52 | 0 37 | 9 12 | 0 46 | 23 26 | 0 0 | 23 11 | 0 41 | 0 46 | 2 6 | 35 42 | 15 53 | 14 20 | 13 55 | 14 55 | | n.a. | S 29 |
| S 30 | 23 43 | 16 19 | 4 59 | 23 12 | 0 16 | 13 26 | 2 7 | 22 2 | 0 37 | 9 12 | 0 46 | 23 27 | 0 0 | 23 12 | 0 41 | 0 46 | 2 6 | 35 43 | 15 53 | 14 23 | 13 56 | 14 53 | | n.a. | S 30 |
| M31 | 23s46 | 18s44 | 4n36 | 22s52 | 0n31 | 13s50 | 2n 5 | 22s11 | 0s38 | 9n11 | 0s45 | 23s28 | 0n 0 | 23n12 | 0n41 | 0s47 | 2n 6 | 35n43 | 15n54 | 14n27 | 13n57 | 14n52 | | n.a. | M31 |

Julian Day Number = 996370.5, Delta T = 12h56m25s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'30, Lahiri = -31°19'30 Julian Calendar 1 Dec. 1986 BCE == Greg. Calendar 14 Nov. 1986 BCE

The year -1985 astronomical counting style corresponds to year 1986 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## JANUARY 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 32 25 | 24♐40'25 | 1♑49 | 12♑39 | 13♏26 | 5♐49 | 25°R 2 | 19♐13 | 19°R 4 | 6♎41 | 1°R12 | 21°R53 | 23♌27 | 19♌52 | n.a. | T 1 |
| W 2 | 5 36 22 | 25°41'00 | 16°29 | 13°21 | 14°37 | 6°36 | 25♈ 1 | 19°20 | 19♋ 1 | 6°42 | 1♌11 | 21♌46 | 23°24 | 19°58 | n.a. | W 2 |
| T 3 | 5 40 18 | 26°41'34 | 1♒10 | 13°54 | 15°48 | 7°23 | 25° 0 | 19°27 | 18°59 | 6°42 | 1° 9 | 21°42 | 23°21 | 20° 5 | n.a. | T 3 |
| F 4 | 5 44 15 | 27°42'05 | 15°48 | 14°17 | 16°59 | 8°10 | 25° 0 | 19°34 | 18°57 | 6°43 | 1° 8 | 21°D40 | 23°18 | 20°12 | n.a. | F 4 |
| S 5 | 5 48 11 | 28°42'34 | 0♓17 | 14°30 | 18°10 | 8°57 | 24°59 | 19°42 | 18°54 | 6°44 | 1° 7 | 21°40 | 23°15 | 20°18 | n.a. | S 5 |
| S 6 | 5 52 8 | 29°43'00 | 14°32 | 14°R34 | 19°22 | 9°44 | 24°D59 | 19°49 | 18°52 | 6°44 | 1° 5 | 21°41 | 23°11 | 20°25 | n.a. | S 6 |
| M 7 | 5 56 4 | 0♑43'25 | 28°34 | 14°26 | 20°33 | 10°31 | 24°59 | 19°56 | 18°50 | 6°45 | 1° 4 | 21°R42 | 23° 8 | 20°31 | n.a. | M 7 |
| T 8 | 6 0 1 | 1°43'47 | 12♈21 | 14° 9 | 21°44 | 11°17 | 25° 0 | 20° 3 | 18°47 | 6°46 | 1° 3 | 21°41 | 23° 5 | 20°38 | n.a. | T 8 |
| W 9 | 6 3 58 | 2°44'07 | 25°53 | 13°43 | 22°56 | 12° 4 | 25° 0 | 20°10 | 18°45 | 6°46 | 1° 1 | 21°39 | 23° 2 | 20°45 | n.a. | W 9 |
| T 10 | 6 7 54 | 3°44'25 | 9♉12 | 13° 7 | 24° 7 | 12°51 | 25° 1 | 20°17 | 18°42 | 6°47 | 1° 0 | 21°34 | 22°59 | 20°51 | n.a. | T 10 |
| F 11 | 6 11 51 | 4°44'41 | 22°19 | 12°23 | 25°19 | 13°38 | 25° 1 | 20°25 | 18°40 | 6°47 | 0°59 | 21°27 | 22°56 | 20°58 | n.a. | F 11 |
| S 12 | 6 15 47 | 5°44'55 | 5♊12 | 11°33 | 26°30 | 14°25 | 25° 2 | 20°32 | 18°37 | 6°47 | 0°57 | 21°19 | 22°52 | 21° 5 | n.a. | S 12 |
| S 13 | 6 19 44 | 6°45'06 | 17°54 | 10°37 | 27°42 | 15°12 | 25° 4 | 20°39 | 18°35 | 6°48 | 0°56 | 21°11 | 22°49 | 21°11 | n.a. | S 13 |
| M14 | 6 23 40 | 7°45'16 | 0♋23 | 9°37 | 28°54 | 15°59 | 25° 5 | 20°46 | 18°32 | 6°48 | 0°54 | 21° 3 | 22°46 | 21°18 | n.a. | M14 |
| T 15 | 6 27 37 | 8°45'23 | 12°41 | 8°34 | 0♐ 5 | 16°46 | 25° 7 | 20°53 | 18°29 | 6°49 | 0°53 | 20°56 | 22°43 | 21°25 | n.a. | T 15 |
| W16 | 6 31 33 | 9°45'29 | 24°49 | 7°31 | 1°17 | 17°33 | 25° 8 | 21° 0 | 18°27 | 6°49 | 0°51 | 20°51 | 22°40 | 21°31 | n.a. | W16 |
| T 17 | 6 35 30 | 10°45'32 | 6♌47 | 6°28 | 2°29 | 18°20 | 25°10 | 21° 7 | 18°24 | 6°49 | 0°50 | 20°48 | 22°37 | 21°38 | n.a. | T 17 |
| F 18 | 6 39 27 | 11°45'34 | 18°38 | 5°27 | 3°41 | 19° 7 | 25°12 | 21°14 | 18°22 | 6°49 | 0°48 | 20°D47 | 22°33 | 21°45 | n.a. | F 18 |
| S 19 | 6 43 23 | 12°45'33 | 0♍26 | 4°29 | 4°52 | 19°54 | 25°15 | 21°21 | 18°19 | 6°50 | 0°47 | 20°47 | 22°30 | 21°51 | n.a. | S 19 |
| S 20 | 6 47 20 | 13°45'31 | 12°13 | 3°35 | 6° 4 | 20°41 | 25°17 | 21°28 | 18°16 | 6°50 | 0°45 | 20°49 | 22°27 | 21°58 | n.a. | S 20 |
| M21 | 6 51 16 | 14°45'26 | 24° 4 | 2°47 | 7°16 | 21°28 | 25°20 | 21°35 | 18°14 | 6°50 | 0°44 | 20°50 | 22°24 | 22° 4 | n.a. | M21 |
| T 22 | 6 55 13 | 15°45'20 | 6♎ 5 | 2° 4 | 8°28 | 22°15 | 25°23 | 21°42 | 18°11 | 6°50 | 0°42 | 20°52 | 22°21 | 22°11 | n.a. | T 22 |
| W23 | 6 59 9 | 16°45'12 | 18°19 | 1°28 | 9°40 | 23° 2 | 25°26 | 21°48 | 18° 9 | 6°50 | 0°41 | 20°R52 | 22°17 | 22°18 | n.a. | W23 |
| T 24 | 7 3 6 | 17°45'02 | 0♏53 | 0°58 | 10°52 | 23°49 | 25°29 | 21°55 | 18° 6 | 6°50 | 0°39 | 20°51 | 22°14 | 22°24 | n.a. | T 24 |
| F 25 | 7 7 2 | 18°44'50 | 13°50 | 0°34 | 12° 4 | 24°36 | 25°33 | 22° 2 | 18° 3 | 6°R50 | 0°38 | 20°49 | 22°11 | 22°31 | n.a. | F 25 |
| S 26 | 7 10 59 | 19°44'37 | 27°13 | 0°18 | 13°16 | 25°22 | 25°37 | 22° 9 | 18° 1 | 6°50 | 0°36 | 20°45 | 22° 8 | 22°38 | n.a. | S 26 |
| S 27 | 7 14 56 | 20°44'21 | 11♐ 4 | 0° 8 | 14°28 | 26° 9 | 25°40 | 22°15 | 17°58 | 6°50 | 0°34 | 20°41 | 22° 5 | 22°44 | n.a. | S 27 |
| M28 | 7 18 52 | 21°44'03 | 25°21 | 0°D 4 | 15°40 | 26°56 | 25°44 | 22°22 | 17°56 | 6°50 | 0°33 | 20°37 | 22° 2 | 22°51 | n.a. | M28 |
| T 29 | 7 22 49 | 22°43'44 | 10♑ 0 | 0° 6 | 16°53 | 27°43 | 25°49 | 22°29 | 17°53 | 6°50 | 0°31 | 20°33 | 21°58 | 22°58 | n.a. | T 29 |
| W30 | 7 26 45 | 23°43'22 | 24°55 | 0°15 | 18° 5 | 28°30 | 25°53 | 22°35 | 17°50 | 6°50 | 0°30 | 20°30 | 21°55 | 23° 4 | n.a. | W30 |
| T 31 | 7 30 42 | 24♑42'58 | 9♒58 | 0♑29 | 19♐17 | 29♐17 | 25♈57 | 22♐42 | 17♋48 | 6♎50 | 0♌28 | 20♌28 | 21♌52 | 23♌11 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 23 s49 | 20 s 0 | 3n54 | 22 s31 | 0n47 | 14 s15 | 2n 2 | 22 s21 | 0 s39 | 9n11 | 0 s45 | 23 s28 | 0 s 0 | 23n12 | 0n41 | 0 s47 | 2n 6 | 35n44 | 15n54 | 14n30 | 13n58 | 14n51 | | | n.a. |
| W 2 | 23 51 | 19 57 | 2 57 | 22 11 | 1 4 | 14 38 | 2 0 | 22 30 | 0 39 | 9 11 | 0 45 | 23 29 | 0 0 | 23 13 | 0 41 | 0 47 | 2 6 | 35 45 | 15 54 | 14 32 | 13 59 | 14 49 | | | n.a. |
| T 3 | 23 53 | 18 33 | 1 48 | 21 51 | 1 21 | 15 2 | 1 57 | 22 38 | 0 40 | 9 11 | 0 44 | 23 30 | 0 0 | 23 13 | 0 41 | 0 47 | 2 6 | 35 45 | 15 55 | 14 33 | 14 0 | 14 48 | | | n.a. |
| F 4 | 23 54 | 15 55 | 0 31 | 21 31 | 1 38 | 15 25 | 1 54 | 22 47 | 0 41 | 9 11 | 0 44 | 23 30 | 0 0 | 23 14 | 0 41 | 0 48 | 2 6 | 35 46 | 15 55 | 14 34 | 14 1 | 14 47 | | | n.a. |
| S 5 | 23 55 | 12 19 | 0 s46 | 21 13 | 1 55 | 15 48 | 1 52 | 22 55 | 0 41 | 9 11 | 0 44 | 23 31 | 0 0 | 23 14 | 0 41 | 0 48 | 2 6 | 35 47 | 15 55 | 14 34 | 14 3 | 14 46 | | | n.a. |
| S 6 | 23 55 | 8 3 | 2 0 | 20 55 | 2 12 | 16 11 | 1 49 | 23 3 | 0 42 | 9 11 | 0 44 | 23 32 | 0 0 | 23 14 | 0 41 | 0 48 | 2 6 | 35 47 | 15 56 | 14 34 | 14 4 | 14 44 | | | n.a. |
| M 7 | 23 55 | 3 24 | 3 5 | 20 40 | 2 28 | 16 33 | 1 46 | 23 10 | 0 42 | 9 12 | 0 43 | 23 32 | 0 1 | 23 15 | 0 41 | 0 48 | 2 6 | 35 48 | 15 56 | 14 33 | 14 5 | 14 43 | | | n.a. |
| T 8 | 23 54 | 1n19 | 3 59 | 20 26 | 2 44 | 16 54 | 1 43 | 23 18 | 0 43 | 9 12 | 0 43 | 23 33 | 0 1 | 23 15 | 0 41 | 0 48 | 2 7 | 35 49 | 15 56 | 14 34 | 14 6 | 14 42 | | | n.a. |
| W 9 | 23 53 | 5 54 | 4 38 | 20 14 | 2 59 | 17 16 | 1 40 | 23 25 | 0 44 | 9 12 | 0 43 | 23 34 | 0 1 | 23 15 | 0 41 | 0 48 | 2 7 | 35 49 | 15 57 | 14 34 | 14 7 | 14 40 | | | n.a. |
| T 10 | 23 52 | 10 6 | 5 1 | 20 4 | 3 13 | 17 37 | 1 37 | 23 32 | 0 44 | 9 13 | 0 43 | 23 34 | 0 1 | 23 16 | 0 41 | 0 49 | 2 7 | 35 50 | 15 57 | 14 36 | 14 8 | 14 39 | | | n.a. |
| F 11 | 23 50 | 13 45 | 5 8 | 19 56 | 3 25 | 17 57 | 1 34 | 23 38 | 0 45 | 9 13 | 0 42 | 23 35 | 0 1 | 23 16 | 0 41 | 0 49 | 2 7 | 35 50 | 15 57 | 14 38 | 14 9 | 14 38 | | | n.a. |
| S 12 | 23 48 | 16 42 | 4 59 | 19 50 | 3 35 | 18 17 | 1 31 | 23 45 | 0 46 | 9 14 | 0 42 | 23 35 | 0 1 | 23 17 | 0 41 | 0 49 | 2 7 | 35 51 | 15 58 | 14 41 | 14 10 | 14 36 | | | n.a. |
| S 13 | 23 45 | 18 47 | 4 36 | 19 46 | 3 43 | 18 37 | 1 28 | 23 51 | 0 46 | 9 15 | 0 42 | 23 36 | 0 1 | 23 17 | 0 41 | 0 49 | 2 7 | 35 52 | 15 58 | 14 43 | 14 11 | 14 35 | | | n.a. |
| M14 | 23 41 | 19 56 | 3 59 | 19 45 | 3 50 | 18 56 | 1 25 | 23 57 | 0 47 | 9 15 | 0 41 | 23 37 | 0 1 | 23 17 | 0 41 | 0 49 | 2 7 | 35 52 | 15 58 | 14 46 | 14 12 | 14 34 | | | n.a. |
| T 15 | 23 37 | 20 7 | 3 12 | 19 45 | 3 54 | 19 15 | 1 22 | 24 2 | 0 47 | 9 16 | 0 41 | 23 37 | 0 1 | 23 18 | 0 41 | 0 49 | 2 7 | 35 53 | 15 58 | 14 48 | 14 13 | 14 32 | | | n.a. |
| W16 | 23 33 | 19 21 | 2 16 | 19 46 | 3 56 | 19 33 | 1 19 | 24 7 | 0 48 | 9 17 | 0 41 | 23 38 | 0 1 | 23 18 | 0 41 | 0 49 | 2 7 | 35 54 | 15 59 | 14 50 | 14 14 | 14 31 | | | n.a. |
| T 17 | 23 28 | 17 44 | 1 16 | 19 50 | 3 56 | 19 51 | 1 15 | 24 12 | 0 49 | 9 18 | 0 41 | 23 38 | 0 1 | 23 18 | 0 41 | 0 49 | 2 7 | 35 54 | 15 59 | 14 51 | 14 15 | 14 30 | | | n.a. |
| F 18 | 23 23 | 15 21 | 0 12 | 19 55 | 3 54 | 20 8 | 1 12 | 24 17 | 0 49 | 9 19 | 0 40 | 23 39 | 0 1 | 23 19 | 0 41 | 0 49 | 2 7 | 35 55 | 15 59 | 14 51 | 14 16 | 14 28 | | | n.a. |
| S 19 | 23 18 | 12 22 | 0n52 | 20 1 | 3 50 | 20 24 | 1 9 | 24 21 | 0 50 | 9 20 | 0 40 | 23 39 | 0 1 | 23 19 | 0 41 | 0 49 | 2 7 | 35 55 | 15 59 | 14 51 | 14 17 | 14 27 | | | n.a. |
| S 20 | 23 12 | 8 52 | 1 54 | 20 9 | 3 44 | 20 41 | 1 6 | 24 25 | 0 50 | 9 21 | 0 40 | 23 40 | 0 2 | 23 20 | 0 41 | 0 49 | 2 7 | 35 56 | 16 0 | 14 51 | 14 18 | 14 26 | | | n.a. |
| M21 | 23 5 | 5 1 | 2 52 | 20 17 | 3 36 | 20 56 | 1 2 | 24 29 | 0 51 | 9 23 | 0 40 | 23 40 | 0 2 | 23 20 | 0 41 | 0 49 | 2 7 | 35 57 | 16 0 | 14 50 | 14 19 | 14 24 | | | n.a. |
| T 22 | 22 58 | 0 56 | 3 43 | 20 27 | 3 27 | 21 11 | 0 59 | 24 33 | 0 51 | 9 24 | 0 39 | 23 41 | 0 2 | 23 20 | 0 41 | 0 49 | 2 8 | 35 57 | 16 0 | 14 50 | 14 21 | 14 23 | | | n.a. |
| W23 | 22 51 | 3 s16 | 4 24 | 20 37 | 3 17 | 21 26 | 0 56 | 24 36 | 0 52 | 9 25 | 0 39 | 23 41 | 0 2 | 23 21 | 0 41 | 0 49 | 2 8 | 35 58 | 16 0 | 14 50 | 14 22 | 14 21 | | | n.a. |
| T 24 | 22 43 | 7 25 | 4 55 | 20 49 | 3 6 | 21 39 | 0 53 | 24 39 | 0 53 | 9 27 | 0 39 | 23 42 | 0 2 | 23 21 | 0 41 | 0 49 | 2 8 | 35 58 | 16 0 | 14 50 | 14 23 | 14 20 | | | n.a. |
| F 25 | 22 35 | 11 22 | 5 11 | 21 1 | 2 55 | 21 53 | 0 49 | 24 42 | 0 53 | 9 28 | 0 39 | 23 42 | 0 2 | 23 21 | 0 41 | 0 49 | 2 8 | 35 59 | 16 1 | 14 51 | 14 24 | 14 19 | | | n.a. |
| S 26 | 22 26 | 14 53 | 5 11 | 21 13 | 2 42 | 22 5 | 0 46 | 24 44 | 0 54 | 9 30 | 0 38 | 23 43 | 0 2 | 23 22 | 0 41 | 0 49 | 2 8 | 35 59 | 16 1 | 14 52 | 14 25 | 14 17 | | | n.a. |
| S 27 | 22 17 | 17 42 | 4 54 | 21 26 | 2 30 | 22 17 | 0 43 | 24 46 | 0 54 | 9 32 | 0 38 | 23 43 | 0 2 | 23 22 | 0 41 | 0 49 | 2 8 | 36 0 | 16 1 | 14 53 | 14 26 | 14 16 | | | n.a. |
| M28 | 22 8 | 19 32 | 4 18 | 21 39 | 2 17 | 22 29 | 0 40 | 24 48 | 0 55 | 9 33 | 0 38 | 23 44 | 0 2 | 23 22 | 0 41 | 0 49 | 2 8 | 36 0 | 16 1 | 14 55 | 14 27 | 14 15 | | | n.a. |
| T 29 | 21 58 | 20 8 | 3 24 | 21 52 | 2 4 | 22 39 | 0 36 | 24 49 | 0 55 | 9 35 | 0 38 | 23 44 | 0 2 | 23 23 | 0 41 | 0 49 | 2 8 | 36 1 | 16 1 | 14 56 | 14 28 | 14 13 | | | n.a. |
| W30 | 21 47 | 19 21 | 2 16 | 22 5 | 1 50 | 22 50 | 0 33 | 24 51 | 0 56 | 9 37 | 0 37 | 23 45 | 0 2 | 23 23 | 0 41 | 0 49 | 2 8 | 36 1 | 16 1 | 14 57 | 14 29 | 14 12 | | | n.a. |
| T 31 | 21 s37 | 17 s11 | 0n58 | 22 s18 | 1n37 | 22 s59 | 0n30 | 24 s52 | 0 s56 | 9n39 | 0 s37 | 23 s45 | 0 s 2 | 23n24 | 0n41 | 0 s48 | 2n 8 | 36n 2 | 16n 1 | 14n57 | 14n30 | 14n10 | | | n.a. |

Julian Day Number = 996401.5, Delta T = 12h56m23s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'26, Lahiri = -31°19'25 Julian Calendar 1 Jan. 1985 BCE == Greg. Calendar 15 Dec. 1986 BCE


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## FEBRUARY 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 34 38 | 25♑42'32 | 24♒59 | 0♑48 | 20♐29 | 0♑ 4 | 26♈ 2 | 22♐48 | 17°R45 | 6°R49 | 0°R26 | 20°D28 | 21♌49 | 23♌18 | n.a. | F 1 |
| S 2 | 7 38 35 | 26°42'03 | 9♓50 | 1°12 | 21°41 | 0°51 | 26° 7 | 22°55 | 17♋43 | 6♎49 | 0♌25 | 20♌29 | 21°46 | 23°24 | n.a. | S 2 |
| S 3 | 7 42 31 | 27°41'32 | 24°26 | 1°41 | 22°54 | 1°38 | 26°12 | 23° 1 | 17°40 | 6°49 | 0°23 | 20°30 | 21°43 | 23°31 | n.a. | S 3 |
| M 4 | 7 46 28 | 28°40'59 | 8♈42 | 2°14 | 24° 6 | 2°24 | 26°17 | 23° 8 | 17°37 | 6°48 | 0°22 | 20°31 | 21°39 | 23°38 | n.a. | M 4 |
| T 5 | 7 50 24 | 29°40'22 | 22°36 | 2°52 | 25°18 | 3°11 | 26°23 | 23°14 | 17°35 | 6°48 | 0°20 | 20°32 | 21°36 | 23°44 | n.a. | T 5 |
| W 6 | 7 54 21 | 0♒39'44 | 6♉ 8 | 3°33 | 26°30 | 3°58 | 26°28 | 23°20 | 17°32 | 6°48 | 0°18 | 20°R32 | 21°33 | 23°51 | n.a. | W 6 |
| T 7 | 7 58 18 | 1°39'03 | 19°20 | 4°18 | 27°43 | 4°45 | 26°34 | 23°27 | 17°30 | 6°47 | 0°17 | 20°31 | 21°30 | 23°57 | n.a. | T 7 |
| F 8 | 8 2 14 | 2°38'19 | 2♊14 | 5° 7 | 28°55 | 5°32 | 26°40 | 23°33 | 17°27 | 6°47 | 0°15 | 20°30 | 21°27 | 24° 4 | n.a. | F 8 |
| S 9 | 8 6 11 | 3°37'33 | 14°52 | 5°59 | 0♑ 7 | 6°18 | 26°46 | 23°39 | 17°25 | 6°46 | 0°13 | 20°27 | 21°23 | 24°11 | n.a. | S 9 |
| S 10 | 8 10 7 | 4°36'44 | 27°17 | 6°54 | 1°20 | 7° 5 | 26°52 | 23°45 | 17°22 | 6°46 | 0°12 | 20°25 | 21°20 | 24°17 | n.a. | S 10 |
| M11 | 8 14 4 | 5°35'54 | 9♋30 | 7°51 | 2°32 | 7°52 | 26°58 | 23°51 | 17°20 | 6°45 | 0°10 | 20°23 | 21°17 | 24°24 | n.a. | M11 |
| T 12 | 8 18 0 | 6°35'00 | 21°34 | 8°52 | 3°44 | 8°38 | 27° 5 | 23°57 | 17°17 | 6°45 | 0° 9 | 20°21 | 21°14 | 24°31 | n.a. | T 12 |
| W13 | 8 21 57 | 7°34'05 | 3♌31 | 9°55 | 4°57 | 9°25 | 27°12 | 24° 3 | 17°15 | 6°44 | 0° 7 | 20°19 | 21°11 | 24°37 | n.a. | W13 |
| T 14 | 8 25 53 | 8°33'07 | 15°23 | 11° 1 | 6° 9 | 10°12 | 27°18 | 24° 9 | 17°13 | 6°43 | 0° 5 | 20°D19 | 21° 8 | 24°44 | n.a. | T 14 |
| F 15 | 8 29 50 | 9°32'07 | 27°11 | 12° 9 | 7°21 | 10°58 | 27°25 | 24°15 | 17°10 | 6°43 | 0° 4 | 20°19 | 21° 4 | 24°51 | n.a. | F 15 |
| S 16 | 8 33 46 | 10°31'05 | 8♍59 | 13°19 | 8°34 | 11°45 | 27°32 | 24°21 | 17° 8 | 6°42 | 0° 2 | 20°19 | 21° 1 | 24°57 | n.a. | S 16 |
| S 17 | 8 37 43 | 11°30'01 | 20°48 | 14°32 | 9°46 | 12°31 | 27°40 | 24°26 | 17° 6 | 6°41 | 0° 1 | 20°20 | 20°58 | 25° 4 | n.a. | S 17 |
| M18 | 8 41 40 | 12°28'54 | 2♎43 | 15°47 | 10°59 | 13°18 | 27°47 | 24°32 | 17° 3 | 6°41 | 29♋59 | 20°21 | 20°55 | 25°11 | n.a. | M18 |
| T 19 | 8 45 36 | 13°27'46 | 14°46 | 17° 3 | 12°11 | 14° 5 | 27°54 | 24°38 | 17° 1 | 6°40 | 29°57 | 20°22 | 20°52 | 25°17 | n.a. | T 19 |
| W20 | 8 49 33 | 14°26'36 | 27° 1 | 18°22 | 13°24 | 14°51 | 28° 2 | 24°43 | 16°59 | 6°39 | 29°56 | 20°22 | 20°48 | 25°24 | n.a. | W20 |
| T 21 | 8 53 29 | 15°25'24 | 9♏33 | 19°42 | 14°36 | 15°38 | 28°10 | 24°49 | 16°57 | 6°38 | 29°54 | 20°23 | 20°45 | 25°31 | n.a. | T 21 |
| F 22 | 8 57 26 | 16°24'10 | 22°26 | 21° 5 | 15°49 | 16°24 | 28°18 | 24°54 | 16°54 | 6°37 | 29°53 | 20°R23 | 20°42 | 25°37 | n.a. | F 22 |
| S 23 | 9 1 22 | 17°22'54 | 5♐42 | 22°29 | 17° 1 | 17°10 | 28°26 | 25° 0 | 16°52 | 6°36 | 29°51 | 20°23 | 20°39 | 25°44 | n.a. | S 23 |
| S 24 | 9 5 19 | 18°21'37 | 19°24 | 23°55 | 18°14 | 17°57 | 28°34 | 25° 5 | 16°50 | 6°36 | 29°50 | 20°22 | 20°36 | 25°50 | n.a. | S 24 |
| M25 | 9 9 15 | 19°20'17 | 3♑33 | 25°22 | 19°26 | 18°43 | 28°42 | 25°10 | 16°48 | 6°35 | 29°48 | 20°22 | 20°33 | 25°57 | n.a. | M25 |
| T 26 | 9 13 12 | 20°18'56 | 18° 7 | 26°52 | 20°39 | 19°30 | 28°51 | 25°15 | 16°46 | 6°34 | 29°47 | 20°D22 | 20°29 | 26° 4 | n.a. | T 26 |
| W27 | 9 17 8 | 21°17'33 | 3♒ 2 | 28°23 | 21°51 | 20°16 | 28°59 | 25°20 | 16°44 | 6°33 | 29°45 | 20°22 | 20°26 | 26°10 | n.a. | W27 |
| T 28 | 9 21 5 | 22°16'07 | 18° 9 | 29°56 | 23° 4 | 21° 2 | 29° 8 | 25°26 | 16°42 | 6°32 | 29°44 | 20°R22 | 20°23 | 26°17 | n.a. | T 28 |
| F 29 | 9 25 2 | 23♒14'40 | 3♓22 | 1♒30 | 24♑17 | 21♑48 | 29♈16 | 25♐31 | 16♋40 | 6♎31 | 29♋42 | 20♌22 | 20♌20 | 26♌24 | n.a. | F 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 21 s26 | 13 s51 | 0 s25 | 22 s31 | 1n24 | 23 s 8 | 0n26 | 24 s52 | 0 s57 | 9n41 | 0 s37 | 23 s46 | 0 s 3 | 23n24 | 0n41 | 0 s48 | 2n 8 | 36n 2 | 16n 2 | 14n57 | 14n31 | 14n 9 | | n.a. | F 1 |
| S 2 | 21 14 | 9 39 | 1 45 | 22 44 | 1 11 | 23 16 | 0 23 | 24 53 | 0 58 | 9 43 | 0 37 | 23 46 | 0 3 | 23 24 | 0 41 | 0 48 | 2 8 | 36 3 | 16 2 | 14 57 | 14 32 | 14 8 | | n.a. | S 2 |
| S 3 | 21 2 | 4 57 | 2 57 | 22 56 | 0 59 | 23 24 | 0 20 | 24 53 | 0 58 | 9 45 | 0 36 | 23 47 | 0 3 | 23 25 | 0 41 | 0 48 | 2 8 | 36 3 | 16 2 | 14 57 | 14 33 | 14 6 | | n.a. | S 3 |
| M 4 | 20 50 | 0 5 | 3 56 | 23 8 | 0 46 | 23 30 | 0 17 | 24 52 | 0 59 | 9 47 | 0 36 | 23 47 | 0 3 | 23 25 | 0 41 | 0 48 | 2 8 | 36 4 | 16 2 | 14 56 | 14 34 | 14 5 | | n.a. | M 4 |
| T 5 | 20 38 | 4n39 | 4 39 | 23 19 | 0 34 | 23 37 | 0 14 | 24 52 | 0 59 | 9 49 | 0 36 | 23 47 | 0 3 | 23 25 | 0 41 | 0 48 | 2 9 | 36 4 | 16 2 | 14 56 | 14 35 | 14 3 | | n.a. | T 5 |
| W 6 | 20 25 | 9 2 | 5 6 | 23 30 | 0 22 | 23 42 | 0 10 | 24 51 | 1 0 | 9 52 | 0 36 | 23 48 | 0 3 | 23 26 | 0 41 | 0 47 | 2 9 | 36 5 | 16 2 | 14 56 | 14 36 | 14 2 | | n.a. | W 6 |
| T 7 | 20 11 | 12 51 | 5 16 | 23 40 | 0 11 | 23 47 | 0 7 | 24 50 | 1 0 | 9 54 | 0 36 | 23 48 | 0 3 | 23 26 | 0 41 | 0 47 | 2 9 | 36 5 | 16 2 | 14 56 | 14 37 | 14 1 | | n.a. | T 7 |
| F 8 | 19 58 | 15 58 | 5 9 | 23 49 | 0 s 0 | 23 51 | 0 4 | 24 49 | 1 1 | 9 56 | 0 35 | 23 49 | 0 3 | 23 26 | 0 41 | 0 47 | 2 9 | 36 6 | 16 2 | 14 57 | 14 38 | 13 59 | | n.a. | F 8 |
| S 9 | 19 44 | 18 16 | 4 48 | 23 58 | 0 11 | 23 54 | 0 1 | 24 47 | 1 1 | 9 59 | 0 35 | 23 49 | 0 3 | 23 27 | 0 41 | 0 47 | 2 9 | 36 6 | 16 2 | 14 58 | 14 39 | 13 58 | | n.a. | S 9 |
| S 10 | 19 30 | 19 40 | 4 13 | 24 6 | 0 21 | 23 57 | 0 s 2 | 24 45 | 1 1 | 10 1 | 0 35 | 23 49 | 0 3 | 23 27 | 0 41 | 0 46 | 2 9 | 36 7 | 16 2 | 14 58 | 14 40 | 13 56 | | n.a. | S 10 |
| M11 | 19 15 | 20 7 | 3 27 | 24 12 | 0 31 | 23 59 | 0 5 | 24 43 | 1 2 | 10 4 | 0 35 | 23 50 | 0 3 | 23 27 | 0 41 | 0 46 | 2 9 | 36 7 | 16 2 | 14 59 | 14 41 | 13 55 | | n.a. | M11 |
| T 12 | 19 0 | 19 38 | 2 33 | 24 18 | 0 41 | 24 0 | 0 8 | 24 40 | 1 2 | 10 6 | 0 34 | 23 50 | 0 3 | 23 28 | 0 41 | 0 46 | 2 9 | 36 7 | 16 2 | 15 0 | 14 42 | 13 54 | | n.a. | T 12 |
| W13 | 18 45 | 18 16 | 1 32 | 24 22 | 0 50 | 24 1 | 0 11 | 24 37 | 1 3 | 10 9 | 0 34 | 23 51 | 0 4 | 23 28 | 0 41 | 0 45 | 2 9 | 36 8 | 16 2 | 15 0 | 14 44 | 13 52 | | n.a. | W13 |
| T 14 | 18 29 | 16 7 | 0 27 | 24 26 | 0 59 | 24 1 | 0 14 | 24 34 | 1 3 | 10 12 | 0 34 | 23 51 | 0 4 | 23 28 | 0 41 | 0 45 | 2 9 | 36 8 | 16 2 | 15 0 | 14 45 | 13 51 | | n.a. | T 14 |
| F 15 | 18 13 | 13 17 | 0n38 | 24 28 | 1 7 | 24 0 | 0 17 | 24 31 | 1 4 | 10 14 | 0 34 | 23 51 | 0 4 | 23 28 | 0 41 | 0 45 | 2 9 | 36 8 | 16 2 | 15 0 | 14 46 | 13 49 | | n.a. | F 15 |
| S 16 | 17 57 | 9 56 | 1 42 | 24 29 | 1 15 | 23 58 | 0 20 | 24 27 | 1 4 | 10 17 | 0 34 | 23 52 | 0 4 | 23 29 | 0 41 | 0 44 | 2 9 | 36 9 | 16 2 | 15 0 | 14 47 | 13 48 | | n.a. | S 16 |
| S 17 | 17 41 | 6 11 | 2 42 | 24 28 | 1 22 | 23 56 | 0 23 | 24 23 | 1 5 | 10 20 | 0 33 | 23 52 | 0 4 | 23 29 | 0 41 | 0 44 | 2 9 | 36 9 | 16 2 | 15 0 | 14 48 | 13 46 | | n.a. | S 17 |
| M18 | 17 24 | 2 10 | 3 35 | 24 26 | 1 29 | 23 53 | 0 25 | 24 19 | 1 5 | 10 23 | 0 33 | 23 52 | 0 4 | 23 29 | 0 41 | 0 44 | 2 9 | 36 10 | 16 2 | 15 0 | 14 49 | 13 45 | | n.a. | M18 |
| T 19 | 17 7 | 1 s58 | 4 19 | 24 23 | 1 36 | 23 49 | 0 28 | 24 15 | 1 6 | 10 26 | 0 33 | 23 53 | 0 4 | 23 30 | 0 41 | 0 43 | 2 9 | 36 10 | 16 2 | 14 59 | 14 50 | 13 43 | | n.a. | T 19 |
| W20 | 16 50 | 6 5 | 4 52 | 24 19 | 1 42 | 23 45 | 0 31 | 24 10 | 1 6 | 10 29 | 0 33 | 23 53 | 0 4 | 23 30 | 0 41 | 0 43 | 2 9 | 36 10 | 16 2 | 14 59 | 14 51 | 13 42 | | n.a. | W20 |
| T 21 | 16 32 | 10 2 | 5 12 | 24 13 | 1 47 | 23 40 | 0 34 | 24 5 | 1 6 | 10 32 | 0 32 | 23 53 | 0 4 | 23 30 | 0 41 | 0 43 | 2 10 | 36 10 | 16 2 | 14 59 | 14 52 | 13 41 | | n.a. | T 21 |
| F 22 | 16 14 | 13 38 | 5 18 | 24 5 | 1 52 | 23 34 | 0 36 | 24 0 | 1 7 | 10 35 | 0 32 | 23 53 | 0 4 | 23 30 | 0 41 | 0 42 | 2 10 | 36 11 | 16 2 | 14 59 | 14 53 | 13 39 | | n.a. | F 22 |
| S 23 | 15 56 | 16 39 | 5 7 | 23 56 | 1 57 | 23 27 | 0 39 | 23 54 | 1 7 | 10 38 | 0 32 | 23 54 | 0 4 | 23 31 | 0 41 | 0 42 | 2 10 | 36 11 | 16 2 | 14 59 | 14 54 | 13 38 | | n.a. | S 23 |
| S 24 | 15 38 | 18 52 | 4 38 | 23 45 | 2 1 | 23 20 | 0 41 | 23 48 | 1 8 | 10 41 | 0 32 | 23 54 | 0 4 | 23 31 | 0 41 | 0 41 | 2 10 | 36 11 | 16 2 | 14 59 | 14 55 | 13 36 | | n.a. | S 24 |
| M25 | 15 19 | 20 0 | 3 52 | 23 32 | 2 5 | 23 12 | 0 44 | 23 42 | 1 8 | 10 44 | 0 32 | 23 54 | 0 5 | 23 31 | 0 41 | 0 41 | 2 10 | 36 12 | 16 1 | 14 59 | 14 56 | 13 35 | | n.a. | M25 |
| T 26 | 15 0 | 19 51 | 2 50 | 23 18 | 2 8 | 23 4 | 0 46 | 23 36 | 1 8 | 10 47 | 0 31 | 23 55 | 0 5 | 23 31 | 0 41 | 0 41 | 2 10 | 36 12 | 16 1 | 14 59 | 14 57 | 13 33 | | n.a. | T 26 |
| W27 | 14 41 | 18 20 | 1 35 | 23 2 | 2 11 | 22 54 | 0 49 | 23 29 | 1 9 | 10 51 | 0 31 | 23 55 | 0 5 | 23 32 | 0 41 | 0 40 | 2 10 | 36 12 | 16 1 | 14 59 | 14 58 | 13 32 | | n.a. | W27 |
| T 28 | 14 22 | 15 30 | 0 12 | 22 45 | 2 13 | 22 44 | 0 51 | 23 23 | 1 9 | 10 54 | 0 31 | 23 55 | 0 5 | 23 32 | 0 41 | 0 40 | 2 10 | 36 12 | 16 1 | 14 59 | 14 59 | 13 30 | | n.a. | T 28 |
| F 29 | 14 s 3 | 11 s35 | 1 s12 | 22 s25 | 2 s15 | 22 s34 | 0 s53 | 23 s15 | 1 s 9 | 10n57 | 0 s31 | 23 s55 | 0 s 5 | 23n32 | 0n41 | 0 s39 | 2n10 | 36n12 | 16n 1 | 14n59 | 15n 0 | 13n29 | | n.a. | F 29 |

Julian Day Number = 996432.5, Delta T = 12h56m21s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'22, Lahiri = -31°19'21 Julian Calendar 1 Feb. 1985 BCE == Greg. Calendar 15 Jan. 1985 BCE


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## MARCH 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 28 58 | 24♒13'10 | 18♓28 | 3♒ 6 | 25♑29 | 22♑35 | 29♈25 | 25♐35 | 16°R38 | 6°R29 | 29°R41 | 20°R22 | 20♌17 | 26♌30 | n.a. | S 1 |
| S 2 | 9 32 55 | 25°11'38 | 3♈21 | 4°43 | 26°42 | 23°21 | 29°34 | 25°40 | 16♋36 | 6♎28 | 29♋39 | 20♌21 | 20°14 | 26°37 | n.a. | S 2 |
| M 3 | 9 36 51 | 26°10'04 | 17°53 | 6°23 | 27°54 | 24° 7 | 29°44 | 25°45 | 16°34 | 6°27 | 29°38 | 20°21 | 20°10 | 26°44 | n.a. | M 3 |
| T 4 | 9 40 48 | 27° 8'28 | 2♉ 0 | 8° 3 | 29° 7 | 24°53 | 29°53 | 25°50 | 16°33 | 6°26 | 29°37 | 20°20 | 20° 7 | 26°50 | n.a. | T 4 |
| W 5 | 9 44 44 | 28° 6'49 | 15°41 | 9°46 | 0♒20 | 25°39 | 0♉ 2 | 25°54 | 16°31 | 6°25 | 29°35 | 20°20 | 20° 4 | 26°57 | n.a. | W 5 |
| T 6 | 9 48 41 | 29° 5'09 | 28°56 | 11°30 | 1°32 | 26°25 | 0°12 | 25°59 | 16°29 | 6°24 | 29°34 | 20°D20 | 20° 1 | 27° 4 | n.a. | T 6 |
| F 7 | 9 52 37 | 0♓ 3'25 | 11♊47 | 13°16 | 2°45 | 27°11 | 0°21 | 26° 3 | 16°27 | 6°23 | 29°32 | 20°20 | 19°58 | 27°10 | n.a. | F 7 |
| S 8 | 9 56 34 | 1° 1'40 | 24°19 | 15° 3 | 3°58 | 27°57 | 0°31 | 26° 8 | 16°26 | 6°21 | 29°31 | 20°20 | 19°54 | 27°17 | n.a. | S 8 |
| S 9 | 10 0 30 | 1°59'53 | 6♋35 | 16°52 | 5°10 | 28°43 | 0°41 | 26°12 | 16°24 | 6°20 | 29°30 | 20°21 | 19°51 | 27°24 | n.a. | S 9 |
| M10 | 10 4 27 | 2°58'03 | 18°38 | 18°43 | 6°23 | 29°29 | 0°51 | 26°16 | 16°23 | 6°19 | 29°28 | 20°23 | 19°48 | 27°30 | n.a. | M10 |
| T 11 | 10 8 24 | 3°56'11 | 0♌33 | 20°36 | 7°36 | 0♒15 | 1° 1 | 26°21 | 16°21 | 6°18 | 29°27 | 20°24 | 19°45 | 27°37 | n.a. | T 11 |
| W12 | 10 12 20 | 4°54'17 | 12°23 | 22°30 | 8°48 | 1° 1 | 1°11 | 26°25 | 16°20 | 6°16 | 29°26 | 20°24 | 19°42 | 27°43 | n.a. | W12 |
| T 13 | 10 16 17 | 5°52'21 | 24°11 | 24°25 | 10° 1 | 1°46 | 1°21 | 26°29 | 16°18 | 6°15 | 29°25 | 20°R25 | 19°39 | 27°50 | n.a. | T 13 |
| F 14 | 10 20 13 | 6°50'24 | 5♍59 | 26°23 | 11°14 | 2°32 | 1°31 | 26°33 | 16°17 | 6°14 | 29°23 | 20°24 | 19°35 | 27°57 | n.a. | F 14 |
| S 15 | 10 24 10 | 7°48'24 | 17°49 | 28°22 | 12°26 | 3°18 | 1°41 | 26°36 | 16°16 | 6°12 | 29°22 | 20°22 | 19°32 | 28° 3 | n.a. | S 15 |
| S 16 | 10 28 6 | 8°46'22 | 29°44 | 0♓22 | 13°39 | 4° 4 | 1°52 | 26°40 | 16°14 | 6°11 | 29°21 | 20°20 | 19°29 | 28°10 | n.a. | S 16 |
| M17 | 10 32 3 | 9°44'19 | 11♎46 | 2°25 | 14°52 | 4°49 | 2° 2 | 26°44 | 16°13 | 6° 9 | 29°20 | 20°17 | 19°26 | 28°17 | n.a. | M17 |
| T 18 | 10 35 59 | 10°42'15 | 23°57 | 4°28 | 16° 5 | 5°35 | 2°13 | 26°48 | 16°12 | 6° 8 | 29°19 | 20°14 | 19°23 | 28°23 | n.a. | T 18 |
| W19 | 10 39 56 | 11°40'08 | 6♏19 | 6°33 | 17°17 | 6°20 | 2°24 | 26°51 | 16°11 | 6° 7 | 29°18 | 20°11 | 19°20 | 28°30 | n.a. | W19 |
| T 20 | 10 43 52 | 12°38'00 | 18°56 | 8°39 | 18°30 | 7° 6 | 2°35 | 26°55 | 16°10 | 6° 5 | 29°17 | 20° 9 | 19°16 | 28°37 | n.a. | T 20 |
| F 21 | 10 47 49 | 13°35'51 | 1♐49 | 10°47 | 19°43 | 7°51 | 2°45 | 26°58 | 16° 9 | 6° 4 | 29°16 | 20° 7 | 19°13 | 28°43 | n.a. | F 21 |
| S 22 | 10 51 46 | 14°33'41 | 15° 1 | 12°55 | 20°56 | 8°37 | 2°56 | 27° 1 | 16° 8 | 6° 2 | 29°15 | 20°D 7 | 19°10 | 28°50 | n.a. | S 22 |
| S 23 | 10 55 42 | 15°31'29 | 28°35 | 15° 4 | 22° 9 | 9°22 | 3° 8 | 27° 4 | 16° 7 | 6° 1 | 29°14 | 20° 7 | 19° 7 | 28°57 | n.a. | S 23 |
| M24 | 10 59 39 | 16°29'16 | 12♑32 | 17°14 | 23°21 | 10° 7 | 3°19 | 27° 7 | 16° 6 | 5°59 | 29°13 | 20° 8 | 19° 4 | 29° 3 | n.a. | M24 |
| T 25 | 11 3 35 | 17°27'01 | 26°52 | 19°24 | 24°34 | 10°53 | 3°30 | 27°10 | 16° 5 | 5°58 | 29°12 | 20°10 | 19° 0 | 29°10 | n.a. | T 25 |
| W26 | 11 7 32 | 18°24'45 | 11♒33 | 21°34 | 25°47 | 11°38 | 3°41 | 27°13 | 16° 4 | 5°56 | 29°11 | 20°11 | 18°57 | 29°17 | n.a. | W26 |
| T 27 | 11 11 28 | 19°22'28 | 26°30 | 23°44 | 27° 0 | 12°23 | 3°53 | 27°16 | 16° 3 | 5°55 | 29°10 | 20°R11 | 18°54 | 29°23 | n.a. | T 27 |
| F 28 | 11 15 25 | 20°20'09 | 11♓37 | 25°54 | 28°13 | 13° 8 | 4° 4 | 27°19 | 16° 3 | 5°53 | 29° 9 | 20°10 | 18°51 | 29°30 | n.a. | F 28 |
| S 29 | 11 19 21 | 21°17'49 | 26°44 | 28° 2 | 29°26 | 13°53 | 4°16 | 27°22 | 16° 2 | 5°52 | 29° 8 | 20° 7 | 18°48 | 29°36 | n.a. | S 29 |
| S 30 | 11 23 18 | 22°15'27 | 11♈41 | 0♈10 | 0♓38 | 14°38 | 4°27 | 27°24 | 16° 1 | 5°50 | 29° 7 | 20° 3 | 18°45 | 29°43 | n.a. | S 30 |
| M31 | 11 27 14 | 23♓13'04 | 26♈21 | 2♈17 | 1♓51 | 15♒23 | 4♉39 | 27♐27 | 16♋ 1 | 5♎48 | 29♋ 6 | 19♌58 | 18♌41 | 29♌50 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 13s43 | 6s57 | 2s30 | 22s 4 | 2s16 | 22s23 | 0s55 | 23s 8 | 1s10 | 11n 1 | 0s31 | 23s56 | 0s 5 | 23n32 | 0n41 | 0s39 | 2n10 | 36n13 | 16n 1 | 14n59 | 15n 1 | 13n27 | | n.a. |
| S 2 | 13 23 | 1 57 | 3 37 | 21 41 | 2 17 | 22 11 | 0 57 | 23 0 | 1 10 | 11 4 | 0 30 | 23 56 | 0 5 | 23 33 | 0 41 | 0 38 | 2 10 | 36 13 | 16 1 | 15 0 | 15 2 | 13 26 | | n.a. |
| M 3 | 13 3 | 3n 2 | 4 28 | 21 16 | 2 17 | 21 58 | 1 0 | 22 53 | 1 11 | 11 8 | 0 30 | 23 56 | 0 5 | 23 33 | 0 41 | 0 38 | 2 10 | 36 13 | 16 0 | 15 0 | 15 3 | 13 24 | | n.a. |
| T 4 | 12 43 | 7 42 | 5 2 | 20 49 | 2 17 | 21 45 | 1 2 | 22 45 | 1 11 | 11 11 | 0 30 | 23 56 | 0 5 | 23 33 | 0 41 | 0 37 | 2 10 | 36 13 | 16 0 | 15 0 | 15 4 | 13 23 | | n.a. |
| W 5 | 12 22 | 11 49 | 5 17 | 20 21 | 2 16 | 21 31 | 1 4 | 22 36 | 1 11 | 11 15 | 0 30 | 23 57 | 0 5 | 23 33 | 0 41 | 0 37 | 2 10 | 36 13 | 16 0 | 15 0 | 15 5 | 13 21 | | n.a. |
| T 6 | 12 1 | 15 13 | 5 14 | 19 50 | 2 15 | 21 17 | 1 5 | 22 28 | 1 12 | 11 18 | 0 30 | 23 57 | 0 5 | 23 33 | 0 41 | 0 36 | 2 10 | 36 13 | 16 0 | 15 0 | 15 6 | 13 20 | | n.a. |
| F 7 | 11 41 | 17 46 | 4 56 | 19 17 | 2 13 | 21 2 | 1 7 | 22 19 | 1 12 | 11 22 | 0 29 | 23 57 | 0 6 | 23 34 | 0 41 | 0 36 | 2 10 | 36 14 | 16 0 | 15 0 | 15 7 | 13 18 | | n.a. |
| S 8 | 11 20 | 19 24 | 4 24 | 18 43 | 2 10 | 20 46 | 1 9 | 22 10 | 1 12 | 11 26 | 0 29 | 23 57 | 0 6 | 23 34 | 0 41 | 0 35 | 2 10 | 36 14 | 15 59 | 15 0 | 15 8 | 13 17 | | n.a. |
| S 9 | 10 58 | 20 5 | 3 40 | 18 7 | 2 7 | 20 30 | 1 11 | 22 1 | 1 12 | 11 29 | 0 29 | 23 58 | 0 6 | 23 34 | 0 41 | 0 35 | 2 10 | 36 14 | 15 59 | 15 0 | 15 9 | 13 15 | | n.a. |
| M10 | 10 37 | 19 50 | 2 47 | 17 28 | 2 4 | 20 13 | 1 12 | 21 51 | 1 13 | 11 33 | 0 29 | 23 58 | 0 6 | 23 34 | 0 41 | 0 34 | 2 10 | 36 14 | 15 59 | 14 59 | 15 10 | 13 14 | | n.a. |
| T 11 | 10 16 | 18 41 | 1 48 | 16 48 | 2 0 | 19 56 | 1 14 | 21 42 | 1 13 | 11 37 | 0 29 | 23 58 | 0 6 | 23 34 | 0 41 | 0 33 | 2 10 | 36 14 | 15 59 | 14 59 | 15 11 | 13 12 | | n.a. |
| W12 | 9 54 | 16 43 | 0 44 | 16 6 | 1 55 | 19 38 | 1 16 | 21 32 | 1 13 | 11 40 | 0 29 | 23 58 | 0 6 | 23 35 | 0 41 | 0 33 | 2 10 | 36 14 | 15 59 | 14 59 | 15 12 | 13 11 | | n.a. |
| T 13 | 9 32 | 14 3 | 0n21 | 15 22 | 1 50 | 19 20 | 1 17 | 21 22 | 1 14 | 11 44 | 0 28 | 23 58 | 0 6 | 23 35 | 0 41 | 0 32 | 2 11 | 36 14 | 15 58 | 14 59 | 15 13 | 13 9 | | n.a. |
| F 14 | 9 11 | 10 49 | 1 25 | 14 36 | 1 44 | 19 1 | 1 18 | 21 11 | 1 14 | 11 48 | 0 28 | 23 59 | 0 6 | 23 35 | 0 41 | 0 32 | 2 11 | 36 14 | 15 58 | 14 59 | 15 14 | 13 8 | | n.a. |
| S 15 | 8 49 | 7 8 | 2 26 | 13 48 | 1 38 | 18 41 | 1 20 | 21 1 | 1 14 | 11 52 | 0 28 | 23 59 | 0 6 | 23 35 | 0 41 | 0 31 | 2 11 | 36 14 | 15 58 | 14 59 | 15 15 | 13 6 | | n.a. |
| S 16 | 8 27 | 3 10 | 3 21 | 12 59 | 1 31 | 18 21 | 1 21 | 20 50 | 1 14 | 11 56 | 0 28 | 23 59 | 0 6 | 23 35 | 0 41 | 0 31 | 2 11 | 36 14 | 15 57 | 15 0 | 15 16 | 13 5 | | n.a. |
| M17 | 8 4 | 0s58 | 4 7 | 12 7 | 1 24 | 18 1 | 1 22 | 20 39 | 1 15 | 11 59 | 0 28 | 23 59 | 0 6 | 23 35 | 0 41 | 0 30 | 2 11 | 36 14 | 15 57 | 15 1 | 15 17 | 13 3 | | n.a. |
| T 18 | 7 42 | 5 6 | 4 43 | 11 14 | 1 16 | 17 40 | 1 23 | 20 28 | 1 15 | 12 3 | 0 27 | 23 59 | 0 7 | 23 35 | 0 41 | 0 29 | 2 11 | 36 14 | 15 57 | 15 2 | 15 18 | 13 2 | | n.a. |
| W19 | 7 20 | 9 5 | 5 6 | 10 20 | 1 8 | 17 18 | 1 24 | 20 16 | 1 15 | 12 7 | 0 27 | 24 0 | 0 7 | 23 35 | 0 41 | 0 29 | 2 11 | 36 14 | 15 57 | 15 3 | 15 19 | 13 0 | | n.a. |
| T 20 | 6 57 | 12 45 | 5 15 | 9 24 | 0 59 | 16 56 | 1 25 | 20 5 | 1 15 | 12 11 | 0 27 | 24 0 | 0 7 | 23 36 | 0 41 | 0 28 | 2 11 | 36 14 | 15 56 | 15 4 | 15 20 | 12 59 | | n.a. |
| F 21 | 6 34 | 15 54 | 5 9 | 8 26 | 0 50 | 16 34 | 1 26 | 19 53 | 1 16 | 12 15 | 0 27 | 24 0 | 0 7 | 23 36 | 0 41 | 0 28 | 2 11 | 36 14 | 15 56 | 15 4 | 15 21 | 12 57 | | n.a. |
| S 22 | 6 12 | 18 19 | 4 46 | 7 27 | 0 40 | 16 11 | 1 27 | 19 41 | 1 16 | 12 19 | 0 27 | 24 0 | 0 7 | 23 36 | 0 41 | 0 27 | 2 11 | 36 14 | 15 56 | 15 4 | 15 22 | 12 55 | | n.a. |
| S 23 | 5 49 | 19 48 | 4 7 | 6 28 | 0 30 | 15 48 | 1 28 | 19 29 | 1 16 | 12 23 | 0 27 | 24 0 | 0 7 | 23 36 | 0 41 | 0 26 | 2 11 | 36 14 | 15 55 | 15 4 | 15 23 | 12 54 | | n.a. |
| M24 | 5 26 | 20 7 | 3 13 | 5 27 | 0 20 | 15 24 | 1 29 | 19 17 | 1 16 | 12 27 | 0 26 | 24 0 | 0 7 | 23 36 | 0 41 | 0 26 | 2 11 | 36 14 | 15 55 | 15 4 | 15 24 | 12 52 | | n.a. |
| T 25 | 5 3 | 19 10 | 2 5 | 4 25 | 0 10 | 15 0 | 1 29 | 19 5 | 1 16 | 12 31 | 0 26 | 24 1 | 0 7 | 23 36 | 0 41 | 0 25 | 2 11 | 36 14 | 15 55 | 15 3 | 15 25 | 12 51 | | n.a. |
| W26 | 4 40 | 16 54 | 0 47 | 3 24 | 0n 1 | 14 35 | 1 30 | 18 52 | 1 17 | 12 35 | 0 26 | 24 1 | 0 7 | 23 36 | 0 40 | 0 24 | 2 11 | 36 14 | 15 54 | 15 3 | 15 27 | 12 49 | | n.a. |
| T 27 | 4 17 | 13 28 | 0s35 | 2 21 | 0 12 | 14 10 | 1 30 | 18 39 | 1 17 | 12 39 | 0 26 | 24 1 | 0 7 | 23 36 | 0 40 | 0 24 | 2 11 | 36 14 | 15 54 | 15 3 | 15 28 | 12 48 | | n.a. |
| F 28 | 3 54 | 9 7 | 1 55 | 1 19 | 0 22 | 13 45 | 1 31 | 18 26 | 1 17 | 12 43 | 0 26 | 24 1 | 0 8 | 23 36 | 0 40 | 0 23 | 2 11 | 36 13 | 15 54 | 15 3 | 15 29 | 12 46 | | n.a. |
| S 29 | 3 31 | 4 11 | 3 7 | 0 17 | 0 33 | 13 19 | 1 31 | 18 13 | 1 17 | 12 48 | 0 26 | 24 1 | 0 8 | 23 36 | 0 40 | 0 23 | 2 11 | 36 13 | 15 53 | 15 4 | 15 30 | 12 44 | | n.a. |
| S 30 | 3 8 | 0n57 | 4 6 | 0n44 | 0 44 | 12 53 | 1 32 | 18 0 | 1 17 | 12 52 | 0 26 | 24 1 | 0 8 | 23 36 | 0 40 | 0 22 | 2 11 | 36 13 | 15 53 | 15 6 | 15 31 | 12 43 | | n.a. |
| M31 | 2s45 | 5n56 | 4s46 | 1n45 | 0n54 | 12s27 | 1s32 | 17s46 | 1s17 | 12n56 | 0s25 | 24s 2 | 0s 8 | 23n36 | 0n40 | 0s21 | 2n11 | 36n13 | 15n53 | 15n 7 | 15n32 | 12n41 | | n.a. |

Julian Day Number = 996461.5, Delta T = 12h56m19s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'18, Lahiri = -31°19'17 Julian Calendar 1 March 1985 BCE == Greg. Calendar 13 Feb. 1985 BCE

The year -1984 astronomical counting style corresponds to year 1985 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## APRIL 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 31 11 | 24♓10'39 | 10♉38 | 4♈21 | 3♓ 4 | 16♒ 8 | 4♉51 | 27♐29 | 16°R 0 | 5°R47 | 29°R 6 | 19°R53 | 18♌38 | 29♌56 | n.a. | T 1 |
| W 2 | 11 35 8 | 25° 8'12 | 24°27 | 6°25 | 4°17 | 16°53 | 5° 2 | 27°31 | 16♋ 0 | 5♎45 | 29♋ 5 | 19♌49 | 18°35 | 0♍ 3 | n.a. | W 2 |
| T 3 | 11 39 4 | 26° 5'44 | 7♊48 | 8°26 | 5°30 | 17°38 | 5°14 | 27°33 | 16° 0 | 5°44 | 29° 4 | 19°46 | 18°32 | 0°10 | n.a. | T 3 |
| F 4 | 11 43 1 | 27° 3'14 | 20°42 | 10°25 | 6°43 | 18°22 | 5°26 | 27°36 | 15°59 | 5°42 | 29° 3 | 19°45 | 18°29 | 0°16 | n.a. | F 4 |
| S 5 | 11 46 57 | 28° 0'43 | 3♋14 | 12°21 | 7°56 | 19° 7 | 5°38 | 27°38 | 15°59 | 5°41 | 29° 3 | 19°D45 | 18°25 | 0°23 | n.a. | S 5 |
| S 6 | 11 50 54 | 28°58'10 | 15°28 | 14°15 | 9° 9 | 19°52 | 5°50 | 27°39 | 15°59 | 5°39 | 29° 2 | 19°46 | 18°22 | 0°30 | n.a. | S 6 |
| M 7 | 11 54 50 | 29°55'36 | 27°28 | 16° 6 | 10°22 | 20°36 | 6° 2 | 27°41 | 15°59 | 5°37 | 29° 1 | 19°47 | 18°19 | 0°36 | n.a. | M 7 |
| T 8 | 11 58 47 | 0♈53'00 | 9♌19 | 17°55 | 11°35 | 21°21 | 6°14 | 27°43 | 15°58 | 5°36 | 29° 1 | 19°48 | 18°16 | 0°43 | n.a. | T 8 |
| W 9 | 12 2 43 | 1°50'23 | 21° 6 | 19°40 | 12°48 | 22° 5 | 6°27 | 27°45 | 15°58 | 5°34 | 29° 0 | 19°R49 | 18°13 | 0°50 | n.a. | W 9 |
| T 10 | 12 6 40 | 2°47'45 | 2♍53 | 21°23 | 14° 1 | 22°50 | 6°39 | 27°46 | 15°D58 | 5°32 | 29° 0 | 19°48 | 18°10 | 0°56 | n.a. | T 10 |
| F 11 | 12 10 37 | 3°45'05 | 14°44 | 23° 3 | 15°14 | 23°34 | 6°51 | 27°47 | 15°58 | 5°31 | 28°59 | 19°45 | 18° 6 | 1° 3 | n.a. | F 11 |
| S 12 | 12 14 33 | 4°42'24 | 26°40 | 24°40 | 16°27 | 24°18 | 7° 4 | 27°49 | 15°58 | 5°29 | 28°59 | 19°40 | 18° 3 | 1°10 | n.a. | S 12 |
| S 13 | 12 18 30 | 5°39'41 | 8♎45 | 26°14 | 17°40 | 25° 3 | 7°16 | 27°50 | 15°59 | 5°28 | 28°58 | 19°34 | 18° 0 | 1°16 | n.a. | S 13 |
| M14 | 12 22 26 | 6°36'58 | 20°58 | 27°44 | 18°53 | 25°47 | 7°29 | 27°51 | 15°59 | 5°26 | 28°58 | 19°26 | 17°57 | 1°23 | n.a. | M14 |
| T 15 | 12 26 23 | 7°34'14 | 3♏23 | 29°12 | 20° 6 | 26°31 | 7°41 | 27°52 | 15°59 | 5°24 | 28°58 | 19°17 | 17°54 | 1°29 | n.a. | T 15 |
| W16 | 12 30 19 | 8°31'29 | 15°59 | 0♉36 | 21°19 | 27°15 | 7°54 | 27°53 | 15°59 | 5°23 | 28°57 | 19° 9 | 17°51 | 1°36 | n.a. | W16 |
| T 17 | 12 34 16 | 9°28'43 | 28°47 | 1°57 | 22°32 | 27°59 | 8° 6 | 27°54 | 16° 0 | 5°21 | 28°57 | 19° 2 | 17°47 | 1°43 | n.a. | T 17 |
| F 18 | 12 38 12 | 10°25'57 | 11♐49 | 3°16 | 23°45 | 28°43 | 8°19 | 27°55 | 16° 0 | 5°19 | 28°57 | 18°56 | 17°44 | 1°49 | n.a. | F 18 |
| S 19 | 12 42 9 | 11°23'10 | 25° 5 | 4°30 | 24°58 | 29°27 | 8°32 | 27°55 | 16° 1 | 5°18 | 28°56 | 18°53 | 17°41 | 1°56 | n.a. | S 19 |
| S 20 | 12 46 6 | 12°20'22 | 8♑38 | 5°42 | 26°11 | 0♓11 | 8°44 | 27°56 | 16° 1 | 5°16 | 28°56 | 18°D52 | 17°38 | 2° 3 | n.a. | S 20 |
| M21 | 12 50 2 | 13°17'34 | 22°27 | 6°50 | 27°24 | 0°55 | 8°57 | 27°56 | 16° 2 | 5°15 | 28°56 | 18°52 | 17°35 | 2° 9 | n.a. | M21 |
| T 22 | 12 53 59 | 14°14'46 | 6♒34 | 7°54 | 28°37 | 1°38 | 9°10 | 27°57 | 16° 2 | 5°13 | 28°56 | 18°53 | 17°31 | 2°16 | n.a. | T 22 |
| W23 | 12 57 55 | 15°11'57 | 20°58 | 8°56 | 29°50 | 2°22 | 9°23 | 27°57 | 16° 3 | 5°11 | 28°56 | 18°R53 | 17°28 | 2°23 | n.a. | W23 |
| T 24 | 13 1 52 | 16° 9'07 | 5♓36 | 9°53 | 1♈ 3 | 3° 6 | 9°36 | 27°57 | 16° 4 | 5°10 | 28°56 | 18°52 | 17°25 | 2°29 | n.a. | T 24 |
| F 25 | 13 5 48 | 17° 6'17 | 20°24 | 10°47 | 2°17 | 3°49 | 9°49 | 27°R57 | 16° 5 | 5° 8 | 28°56 | 18°49 | 17°22 | 2°36 | n.a. | F 25 |
| S 26 | 13 9 45 | 18° 3'27 | 5♈16 | 11°37 | 3°30 | 4°33 | 10° 2 | 27°57 | 16° 5 | 5° 7 | 28°D56 | 18°43 | 17°19 | 2°43 | n.a. | S 26 |
| S 27 | 13 13 41 | 19° 0'36 | 20° 3 | 12°24 | 4°43 | 5°16 | 10°15 | 27°57 | 16° 6 | 5° 5 | 28°56 | 18°35 | 17°16 | 2°49 | n.a. | S 27 |
| M28 | 13 17 38 | 19°57'44 | 4♉37 | 13° 6 | 5°56 | 5°59 | 10°28 | 27°57 | 16° 7 | 5° 4 | 28°56 | 18°26 | 17°12 | 2°56 | n.a. | M28 |
| T 29 | 13 21 35 | 20°54'52 | 18°52 | 13°45 | 7° 9 | 6°43 | 10°41 | 27°56 | 16° 8 | 5° 2 | 28°56 | 18°16 | 17° 9 | 3° 3 | n.a. | T 29 |
| W30 | 13 25 31 | 21♈51'59 | 2♊42 | 14♉19 | 8♈23 | 7♓26 | 10♉54 | 27♐56 | 16♋ 9 | 5♎ 1 | 28♋56 | 18♌ 8 | 17♌ 6 | 3♍ 9 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s21 | 10n26 | 5s 8 | 2n44 | 1n 4 | 12s 0 | 1s32 | 17s33 | 1s17 | 13n 0 | 0s25 | 24s 2 | 0s 8 | 23n36 | 0n40 | 0s21 | 2n11 | 36n13 | 15n52 | 15n 9 | 15n33 | 12n40 | | n.a. |
| W 2 | 1 58 | 14 14 | 5 11 | 3 43 | 1 14 | 11 33 | 1 32 | 17 19 | 1 18 | 13 4 | 0 25 | 24 2 | 0 8 | 23 36 | 0 40 | 0 20 | 2 11 | 36 13 | 15 52 | 15 10 | 15 34 | 12 38 | | n.a. |
| T 3 | 1 35 | 17 10 | 4 57 | 4 40 | 1 23 | 11 6 | 1 32 | 17 5 | 1 18 | 13 8 | 0 25 | 24 2 | 0 8 | 23 36 | 0 40 | 0 19 | 2 11 | 36 13 | 15 52 | 15 11 | 15 35 | 12 37 | | n.a. |
| F 4 | 1 12 | 19 8 | 4 28 | 5 36 | 1 32 | 10 39 | 1 32 | 16 51 | 1 18 | 13 13 | 0 25 | 24 2 | 0 8 | 23 36 | 0 40 | 0 19 | 2 11 | 36 12 | 15 51 | 15 11 | 15 36 | 12 35 | | n.a. |
| S 5 | 0 48 | 20 6 | 3 47 | 6 30 | 1 40 | 10 11 | 1 32 | 16 37 | 1 18 | 13 17 | 0 25 | 24 2 | 0 8 | 23 36 | 0 40 | 0 18 | 2 11 | 36 12 | 15 51 | 15 11 | 15 37 | 12 33 | | n.a. |
| S 6 | 0 25 | 20 5 | 2 56 | 7 23 | 1 48 | 9 43 | 1 32 | 16 23 | 1 18 | 13 21 | 0 24 | 24 2 | 0 8 | 23 36 | 0 40 | 0 17 | 2 11 | 36 12 | 15 50 | 15 11 | 15 38 | 12 32 | | n.a. |
| M 7 | 0 2 | 19 9 | 1 59 | 8 13 | 1 55 | 9 14 | 1 31 | 16 9 | 1 18 | 13 25 | 0 24 | 24 3 | 0 9 | 23 36 | 0 40 | 0 17 | 2 11 | 36 12 | 15 50 | 15 11 | 15 39 | 12 30 | | n.a. |
| T 8 | 0n21 | 17 22 | 0 57 | 9 2 | 2 2 | 8 46 | 1 31 | 15 54 | 1 18 | 13 29 | 0 24 | 24 3 | 0 9 | 23 36 | 0 40 | 0 16 | 2 11 | 36 11 | 15 50 | 15 10 | 15 40 | 12 29 | | n.a. |
| W 9 | 0 45 | 14 52 | 0n 7 | 9 48 | 2 7 | 8 17 | 1 31 | 15 39 | 1 18 | 13 34 | 0 24 | 24 3 | 0 9 | 23 36 | 0 40 | 0 15 | 2 11 | 36 11 | 15 49 | 15 10 | 15 41 | 12 27 | | n.a. |
| T 10 | 1 8 | 11 44 | 1 10 | 10 33 | 2 13 | 7 48 | 1 30 | 15 25 | 1 18 | 13 38 | 0 24 | 24 3 | 0 9 | 23 36 | 0 40 | 0 15 | 2 11 | 36 11 | 15 49 | 15 10 | 15 42 | 12 25 | | n.a. |
| F 11 | 1 31 | 8 8 | 2 11 | 11 15 | 2 17 | 7 19 | 1 30 | 15 10 | 1 18 | 13 42 | 0 24 | 24 3 | 0 9 | 23 36 | 0 40 | 0 14 | 2 11 | 36 11 | 15 48 | 15 11 | 15 43 | 12 24 | | n.a. |
| S 12 | 1 54 | 4 11 | 3 6 | 11 55 | 2 21 | 6 49 | 1 29 | 14 55 | 1 18 | 13 46 | 0 24 | 24 3 | 0 9 | 23 36 | 0 40 | 0 13 | 2 11 | 36 10 | 15 48 | 15 13 | 15 44 | 12 22 | | n.a. |
| S 13 | 2 18 | 0 2 | 3 54 | 12 33 | 2 24 | 6 20 | 1 29 | 14 40 | 1 19 | 13 51 | 0 23 | 24 3 | 0 9 | 23 36 | 0 40 | 0 13 | 2 11 | 36 10 | 15 48 | 15 15 | 15 45 | 12 21 | | n.a. |
| M14 | 2 41 | 4s10 | 4 31 | 13 9 | 2 26 | 5 50 | 1 28 | 14 25 | 1 19 | 13 55 | 0 23 | 24 3 | 0 9 | 23 36 | 0 40 | 0 12 | 2 11 | 36 10 | 15 47 | 15 17 | 15 46 | 12 19 | | n.a. |
| T 15 | 3 4 | 8 16 | 4 56 | 13 42 | 2 28 | 5 20 | 1 27 | 14 9 | 1 19 | 13 59 | 0 23 | 24 4 | 0 9 | 23 36 | 0 40 | 0 11 | 2 11 | 36 9 | 15 47 | 15 20 | 15 47 | 12 17 | | n.a. |
| W16 | 3 27 | 12 4 | 5 7 | 14 14 | 2 29 | 4 50 | 1 26 | 13 54 | 1 19 | 14 4 | 0 23 | 24 4 | 0 9 | 23 36 | 0 40 | 0 11 | 2 11 | 36 9 | 15 46 | 15 23 | 15 48 | 12 16 | | n.a. |
| T 17 | 3 50 | 15 22 | 5 3 | 14 43 | 2 29 | 4 20 | 1 25 | 13 38 | 1 19 | 14 8 | 0 23 | 24 4 | 0 10 | 23 36 | 0 40 | 0 10 | 2 11 | 36 9 | 15 46 | 15 25 | 15 49 | 12 14 | | n.a. |
| F 18 | 4 13 | 17 59 | 4 43 | 15 9 | 2 28 | 3 49 | 1 24 | 13 23 | 1 19 | 14 12 | 0 23 | 24 4 | 0 10 | 23 36 | 0 40 | 0 9 | 2 11 | 36 8 | 15 46 | 15 27 | 15 50 | 12 12 | | n.a. |
| S 19 | 4 35 | 19 41 | 4 8 | 15 34 | 2 26 | 3 19 | 1 23 | 13 7 | 1 19 | 14 16 | 0 23 | 24 4 | 0 10 | 23 36 | 0 40 | 0 9 | 2 11 | 36 8 | 15 45 | 15 28 | 15 50 | 12 11 | | n.a. |
| S 20 | 4 58 | 20 19 | 3 19 | 15 56 | 2 24 | 2 48 | 1 22 | 12 51 | 1 19 | 14 21 | 0 22 | 24 4 | 0 10 | 23 36 | 0 40 | 0 8 | 2 11 | 36 8 | 15 45 | 15 28 | 15 51 | 12 9 | | n.a. |
| M21 | 5 21 | 19 45 | 2 17 | 16 17 | 2 21 | 2 18 | 1 21 | 12 35 | 1 19 | 14 25 | 0 22 | 24 4 | 0 10 | 23 36 | 0 40 | 0 8 | 2 11 | 36 7 | 15 44 | 15 28 | 15 52 | 12 8 | | n.a. |
| T 22 | 5 44 | 17 57 | 1 6 | 16 35 | 2 17 | 1 47 | 1 20 | 12 20 | 1 19 | 14 29 | 0 22 | 24 4 | 0 10 | 23 36 | 0 40 | 0 7 | 2 11 | 36 7 | 15 44 | 15 28 | 15 53 | 12 6 | | n.a. |
| W23 | 6 6 | 14 58 | 0s11 | 16 50 | 2 12 | 1 16 | 1 19 | 12 4 | 1 19 | 14 34 | 0 22 | 24 4 | 0 10 | 23 35 | 0 40 | 0 6 | 2 11 | 36 6 | 15 43 | 15 28 | 15 54 | 12 4 | | n.a. |
| T 24 | 6 29 | 11 1 | 1 28 | 17 4 | 2 6 | 0 45 | 1 18 | 11 47 | 1 19 | 14 38 | 0 22 | 24 5 | 0 10 | 23 35 | 0 40 | 0 6 | 2 11 | 36 6 | 15 43 | 15 28 | 15 55 | 12 3 | | n.a. |
| F 25 | 6 51 | 6 20 | 2 41 | 17 15 | 2 0 | 0 14 | 1 16 | 11 31 | 1 19 | 14 42 | 0 22 | 24 5 | 0 10 | 23 35 | 0 40 | 0 5 | 2 11 | 36 6 | 15 43 | 15 29 | 15 56 | 12 1 | | n.a. |
| S 26 | 7 13 | 1 15 | 3 42 | 17 24 | 1 53 | 0n17 | 1 15 | 11 15 | 1 18 | 14 46 | 0 22 | 24 5 | 0 11 | 23 35 | 0 40 | 0 4 | 2 11 | 36 5 | 15 42 | 15 31 | 15 57 | 11 59 | | n.a. |
| S 27 | 7 35 | 3n52 | 4 28 | 17 32 | 1 45 | 0 47 | 1 13 | 10 59 | 1 18 | 14 51 | 0 22 | 24 5 | 0 11 | 23 35 | 0 40 | 0 4 | 2 11 | 36 5 | 15 42 | 15 34 | 15 58 | 11 58 | | n.a. |
| M28 | 7 57 | 8 41 | 4 56 | 17 36 | 1 36 | 1 18 | 1 12 | 10 42 | 1 18 | 14 55 | 0 21 | 24 5 | 0 11 | 23 35 | 0 40 | 0 3 | 2 11 | 36 4 | 15 41 | 15 36 | 15 59 | 11 56 | | n.a. |
| T 29 | 8 19 | 12 54 | 5 4 | 17 39 | 1 26 | 1 49 | 1 10 | 10 26 | 1 18 | 14 59 | 0 21 | 24 5 | 0 11 | 23 35 | 0 39 | 0 3 | 2 11 | 36 4 | 15 41 | 15 39 | 16 0 | 11 54 | | n.a. |
| W30 | 8n41 | 16n18 | 4s55 | 17n40 | 1n16 | 2n20 | 1s 9 | 10s 9 | 1s18 | 15n 4 | 0s21 | 24s 5 | 0s11 | 23n34 | 0n39 | 0s 2 | 2n11 | 36n 3 | 15n40 | 15n42 | 16n 1 | 11n53 | | n.a. |

Julian Day Number = 996492.5, Delta T = 12h56m17s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'14, Lahiri = -31°19'13 Julian Calendar 1 Apr. 1985 BCE == Greg. Calendar 15 March 1985 BCE


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## MAY 1985 BCE (-1984) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 29 28 | 22♈49'05 | 16♊ 5 | 14♉49 | 9♈36 | 8♓ 9 | 11♉ 7 | 27°R55 | 16♋10 | 4°R59 | 28♋56 | 18°R 1 | 17♌ 3 | 3♍16 | n.a. | T 1 |
| F 2 | 13 33 24 | 23°46'11 | 29° 2 | 15°15 | 10°49 | 8°52 | 11°20 | 27♐55 | 16°12 | 4♎57 | 28°56 | 17♌56 | 17° 0 | 3°23 | n.a. | F 2 |
| S 3 | 13 37 21 | 24°43'16 | 11♋36 | 15°36 | 12° 2 | 9°35 | 11°33 | 27°54 | 16°13 | 4°56 | 28°56 | 17°53 | 16°56 | 3°29 | n.a. | S 3 |
| S 4 | 13 41 17 | 25°40'20 | 23°50 | 15°53 | 13°16 | 10°18 | 11°47 | 27°53 | 16°14 | 4°54 | 28°57 | 17°D52 | 16°53 | 3°36 | n.a. | S 4 |
| M 5 | 13 45 14 | 26°37'24 | 5♌50 | 16° 6 | 14°29 | 11° 1 | 12° 0 | 27°52 | 16°15 | 4°53 | 28°57 | 17°52 | 16°50 | 3°42 | n.a. | M 5 |
| T 6 | 13 49 11 | 27°34'28 | 17°42 | 16°14 | 15°42 | 11°44 | 12°13 | 27°51 | 16°17 | 4°52 | 28°57 | 17°R53 | 16°47 | 3°49 | n.a. | T 6 |
| W 7 | 13 53 7 | 28°31'30 | 29°29 | 16°R17 | 16°56 | 12°26 | 12°26 | 27°50 | 16°18 | 4°50 | 28°58 | 17°52 | 16°44 | 3°56 | n.a. | W 7 |
| T 8 | 13 57 4 | 29°28'32 | 11♍19 | 16°16 | 18° 9 | 13° 9 | 12°40 | 27°49 | 16°19 | 4°49 | 28°58 | 17°50 | 16°41 | 4° 2 | n.a. | T 8 |
| F 9 | 14 1 0 | 0♉25'34 | 23°13 | 16°10 | 19°22 | 13°52 | 12°53 | 27°47 | 16°21 | 4°47 | 28°58 | 17°45 | 16°37 | 4° 9 | n.a. | F 9 |
| S 10 | 14 4 57 | 1°22'36 | 5♎17 | 16° 0 | 20°36 | 14°34 | 13° 6 | 27°46 | 16°23 | 4°46 | 28°59 | 17°38 | 16°34 | 4°16 | n.a. | S 10 |
| S 11 | 14 8 53 | 2°19'37 | 17°32 | 15°46 | 21°49 | 15°17 | 13°20 | 27°45 | 16°24 | 4°44 | 28°59 | 17°28 | 16°31 | 4°22 | n.a. | S 11 |
| M12 | 14 12 50 | 3°16'38 | 0♏ 0 | 15°27 | 23° 2 | 15°59 | 13°33 | 27°43 | 16°26 | 4°43 | 29° 0 | 17°16 | 16°28 | 4°29 | n.a. | M12 |
| T 13 | 14 16 46 | 4°13'39 | 12°42 | 15° 5 | 24°16 | 16°41 | 13°46 | 27°41 | 16°27 | 4°42 | 29° 0 | 17° 4 | 16°25 | 4°36 | n.a. | T 13 |
| W14 | 14 20 43 | 5°10'40 | 25°37 | 14°39 | 25°29 | 17°24 | 14° 0 | 27°39 | 16°29 | 4°40 | 29° 1 | 16°52 | 16°22 | 4°42 | n.a. | W14 |
| T 15 | 14 24 40 | 6° 7'41 | 8♐44 | 14°10 | 26°43 | 18° 6 | 14°13 | 27°38 | 16°31 | 4°39 | 29° 1 | 16°41 | 16°18 | 4°49 | n.a. | T 15 |
| F 16 | 14 28 36 | 7° 4'42 | 22° 3 | 13°39 | 27°56 | 18°48 | 14°27 | 27°36 | 16°33 | 4°38 | 29° 2 | 16°33 | 16°15 | 4°56 | n.a. | F 16 |
| S 17 | 14 32 33 | 8° 1'44 | 5♑33 | 13° 5 | 29°10 | 19°30 | 14°40 | 27°34 | 16°35 | 4°36 | 29° 3 | 16°27 | 16°12 | 5° 2 | n.a. | S 17 |
| S 18 | 14 36 29 | 8°58'46 | 19°14 | 12°30 | 0♉23 | 20°12 | 14°54 | 27°31 | 16°37 | 4°35 | 29° 3 | 16°24 | 16° 9 | 5° 9 | n.a. | S 18 |
| M19 | 14 40 26 | 9°55'48 | 3♒ 4 | 11°54 | 1°37 | 20°54 | 15° 7 | 27°29 | 16°39 | 4°34 | 29° 4 | 16°23 | 16° 6 | 5°16 | n.a. | M19 |
| T 20 | 14 44 22 | 10°52'51 | 17° 6 | 11°17 | 2°50 | 21°36 | 15°20 | 27°27 | 16°41 | 4°33 | 29° 5 | 16°23 | 16° 2 | 5°22 | n.a. | T 20 |
| W21 | 14 48 19 | 11°49'54 | 1♓17 | 10°40 | 4° 4 | 22°17 | 15°34 | 27°24 | 16°43 | 4°31 | 29° 5 | 16°23 | 15°59 | 5°29 | n.a. | W21 |
| T 22 | 14 52 16 | 12°46'58 | 15°37 | 10° 4 | 5°17 | 22°59 | 15°47 | 27°22 | 16°45 | 4°30 | 29° 6 | 16°21 | 15°56 | 5°36 | n.a. | T 22 |
| F 23 | 14 56 12 | 13°44'03 | 0♈ 3 | 9°30 | 6°31 | 23°41 | 16° 1 | 27°19 | 16°47 | 4°29 | 29° 7 | 16°17 | 15°53 | 5°42 | n.a. | F 23 |
| S 24 | 15 0 9 | 14°41'08 | 14°32 | 8°58 | 7°44 | 24°22 | 16°14 | 27°17 | 16°49 | 4°28 | 29° 8 | 16°10 | 15°50 | 5°49 | n.a. | S 24 |
| S 25 | 15 4 5 | 15°38'13 | 28°57 | 8°28 | 8°58 | 25° 4 | 16°28 | 27°14 | 16°51 | 4°27 | 29° 9 | 16° 0 | 15°47 | 5°56 | n.a. | S 25 |
| M26 | 15 8 2 | 16°35'19 | 13♉12 | 8° 2 | 10°12 | 25°45 | 16°41 | 27°11 | 16°54 | 4°26 | 29°10 | 15°49 | 15°43 | 6° 2 | n.a. | M26 |
| T 27 | 15 11 58 | 17°32'25 | 27°12 | 7°39 | 11°25 | 26°26 | 16°55 | 27° 8 | 16°56 | 4°25 | 29°11 | 15°37 | 15°40 | 6° 9 | n.a. | T 27 |
| W28 | 15 15 55 | 18°29'32 | 10♊53 | 7°20 | 12°39 | 27° 7 | 17° 8 | 27° 5 | 16°58 | 4°23 | 29°12 | 15°26 | 15°37 | 6°16 | n.a. | W28 |
| T 29 | 15 19 51 | 19°26'40 | 24°10 | 7° 6 | 13°53 | 27°49 | 17°22 | 27° 2 | 17° 1 | 4°22 | 29°13 | 15°17 | 15°34 | 6°22 | n.a. | T 29 |
| F 30 | 15 23 48 | 20°23'47 | 7♋ 4 | 6°56 | 15° 6 | 28°30 | 17°35 | 26°59 | 17° 3 | 4°21 | 29°14 | 15°10 | 15°31 | 6°29 | n.a. | F 30 |
| S 31 | 15 27 45 | 21♉20'55 | 19♋37 | 6°D52 | 16♉20 | 29♓10 | 17♉49 | 26♐56 | 17♋ 6 | 4♎20 | 29♋15 | 15♌ 6 | 15♌28 | 6♍35 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 9n 3 | 18n43 | 4s29 | 17n38 | 1n 5 | 2n51 | 1s 7 | 9s53 | 1s18 | 15n 8 | 0s21 | 24s 5 | 0s11 | 23n34 | 0n39 | 0s 1 | 2n11 | 36n 3 | 15n40 | 15n44 | 16n 2 | 11n51 | | | n.a. |
| F 2 | 9 24 | 20 5 | 3 50 | 17 35 | 0 53 | 3 22 | 1 5 | 9 36 | 1 18 | 15 12 | 0 21 | 24 5 | 0 11 | 23 34 | 0 39 | 0 1 | 2 11 | 36 3 | 15 39 | 15 46 | 16 3 | 11 49 | | | n.a. |
| S 3 | 9 46 | 20 24 | 3 1 | 17 29 | 0 41 | 3 53 | 1 4 | 9 20 | 1 18 | 15 16 | 0 21 | 24 6 | 0 11 | 23 34 | 0 39 | 0 0 | 2 11 | 36 2 | 15 39 | 15 47 | 16 4 | 11 48 | | | n.a. |
| S 4 | 10 7 | 19 43 | 2 5 | 17 22 | 0 27 | 4 23 | 1 2 | 9 3 | 1 18 | 15 21 | 0 21 | 24 6 | 0 11 | 23 34 | 0 39 | 0n 0 | 2 11 | 36 2 | 15 39 | 15 47 | 16 5 | 11 46 | | | n.a. |
| M 5 | 10 28 | 18 10 | 1 4 | 17 12 | 0 13 | 4 54 | 1 0 | 8 46 | 1 18 | 15 25 | 0 21 | 24 6 | 0 11 | 23 34 | 0 39 | 0 1 | 2 11 | 36 1 | 15 38 | 15 47 | 16 6 | 11 44 | | | n.a. |
| T 6 | 10 49 | 15 49 | 0 1 | 17 1 | 0s 1 | 5 24 | 0 58 | 8 30 | 1 18 | 15 29 | 0 20 | 24 6 | 0 12 | 23 33 | 0 39 | 0 1 | 2 11 | 36 1 | 15 38 | 15 47 | 16 7 | 11 43 | | | n.a. |
| W 7 | 11 10 | 12 50 | 1n 2 | 16 47 | 0 16 | 5 55 | 0 56 | 8 13 | 1 17 | 15 33 | 0 20 | 24 6 | 0 12 | 23 33 | 0 39 | 0 2 | 2 11 | 36 0 | 15 37 | 15 47 | 16 8 | 11 41 | | | n.a. |
| T 8 | 11 30 | 9 20 | 2 1 | 16 32 | 0 31 | 6 25 | 0 54 | 7 56 | 1 17 | 15 38 | 0 20 | 24 6 | 0 12 | 23 33 | 0 39 | 0 3 | 2 11 | 36 0 | 15 37 | 15 48 | 16 9 | 11 39 | | | n.a. |
| F 9 | 11 51 | 5 26 | 2 56 | 16 15 | 0 47 | 6 55 | 0 53 | 7 39 | 1 17 | 15 42 | 0 20 | 24 6 | 0 12 | 23 33 | 0 39 | 0 3 | 2 11 | 35 59 | 15 36 | 15 49 | 16 10 | 11 37 | | | n.a. |
| S 10 | 12 11 | 1 16 | 3 44 | 15 57 | 1 3 | 7 25 | 0 51 | 7 22 | 1 17 | 15 46 | 0 20 | 24 6 | 0 12 | 23 33 | 0 39 | 0 4 | 2 11 | 35 59 | 15 36 | 15 52 | 16 11 | 11 36 | | | n.a. |
| S 11 | 12 31 | 3s 0 | 4 22 | 15 37 | 1 19 | 7 55 | 0 48 | 7 5 | 1 17 | 15 50 | 0 20 | 24 6 | 0 12 | 23 32 | 0 39 | 0 4 | 2 11 | 35 58 | 15 35 | 15 55 | 16 12 | 11 34 | | | n.a. |
| M12 | 12 51 | 7 13 | 4 48 | 15 16 | 1 36 | 8 25 | 0 46 | 6 48 | 1 17 | 15 55 | 0 20 | 24 6 | 0 12 | 23 32 | 0 39 | 0 5 | 2 11 | 35 57 | 15 35 | 15 58 | 16 13 | 11 32 | | | n.a. |
| T 13 | 13 11 | 11 12 | 5 0 | 14 54 | 1 52 | 8 54 | 0 44 | 6 32 | 1 16 | 15 59 | 0 20 | 24 6 | 0 12 | 23 32 | 0 39 | 0 5 | 2 10 | 35 57 | 15 35 | 16 2 | 16 14 | 11 31 | | | n.a. |
| W14 | 13 31 | 14 44 | 4 58 | 14 31 | 2 8 | 9 24 | 0 42 | 6 15 | 1 16 | 16 3 | 0 19 | 24 6 | 0 12 | 23 32 | 0 39 | 0 6 | 2 10 | 35 56 | 15 34 | 16 6 | 16 15 | 11 29 | | | n.a. |
| T 15 | 13 50 | 17 36 | 4 39 | 14 8 | 2 24 | 9 53 | 0 40 | 5 58 | 1 16 | 16 7 | 0 19 | 24 7 | 0 13 | 23 31 | 0 39 | 0 6 | 2 10 | 35 56 | 15 34 | 16 9 | 16 16 | 11 27 | | | n.a. |
| F 16 | 14 9 | 19 35 | 4 6 | 13 44 | 2 39 | 10 22 | 0 38 | 5 41 | 1 16 | 16 11 | 0 19 | 24 7 | 0 13 | 23 31 | 0 39 | 0 7 | 2 10 | 35 55 | 15 33 | 16 11 | 16 17 | 11 26 | | | n.a. |
| S 17 | 14 28 | 20 30 | 3 18 | 13 20 | 2 53 | 10 50 | 0 36 | 5 24 | 1 16 | 16 15 | 0 19 | 24 7 | 0 13 | 23 31 | 0 39 | 0 7 | 2 10 | 35 55 | 15 33 | 16 13 | 16 18 | 11 24 | | | n.a. |
| S 18 | 14 47 | 20 14 | 2 19 | 12 56 | 3 7 | 11 19 | 0 33 | 5 7 | 1 15 | 16 20 | 0 19 | 24 7 | 0 13 | 23 31 | 0 39 | 0 8 | 2 10 | 35 54 | 15 32 | 16 14 | 16 19 | 11 22 | | | n.a. |
| M19 | 15 5 | 18 44 | 1 10 | 12 33 | 3 19 | 11 47 | 0 31 | 4 50 | 1 15 | 16 24 | 0 19 | 24 7 | 0 13 | 23 30 | 0 39 | 0 8 | 2 10 | 35 53 | 15 32 | 16 14 | 16 20 | 11 20 | | | n.a. |
| T 20 | 15 23 | 16 5 | 0s 4 | 12 11 | 3 31 | 12 15 | 0 29 | 4 33 | 1 15 | 16 28 | 0 19 | 24 7 | 0 13 | 23 30 | 0 39 | 0 9 | 2 10 | 35 53 | 15 31 | 16 14 | 16 21 | 11 19 | | | n.a. |
| W21 | 15 41 | 12 27 | 1 18 | 11 49 | 3 41 | 12 43 | 0 27 | 4 16 | 1 15 | 16 32 | 0 19 | 24 7 | 0 13 | 23 30 | 0 39 | 0 9 | 2 10 | 35 52 | 15 31 | 16 15 | 16 22 | 11 17 | | | n.a. |
| T 22 | 15 59 | 8 3 | 2 28 | 11 29 | 3 51 | 13 10 | 0 24 | 3 59 | 1 14 | 16 36 | 0 19 | 24 7 | 0 13 | 23 29 | 0 39 | 0 10 | 2 10 | 35 52 | 15 31 | 16 15 | 16 23 | 11 15 | | | n.a. |
| F 23 | 16 17 | 3 10 | 3 29 | 11 11 | 3 58 | 13 37 | 0 22 | 3 41 | 1 14 | 16 40 | 0 18 | 24 7 | 0 13 | 23 29 | 0 39 | 0 10 | 2 10 | 35 51 | 15 30 | 16 16 | 16 24 | 11 13 | | | n.a. |
| S 24 | 16 34 | 1n54 | 4 17 | 10 55 | 4 5 | 14 4 | 0 20 | 3 24 | 1 14 | 16 44 | 0 18 | 24 7 | 0 14 | 23 29 | 0 39 | 0 10 | 2 10 | 35 50 | 15 30 | 16 19 | 16 25 | 11 12 | | | n.a. |
| S 25 | 16 51 | 6 51 | 4 48 | 10 41 | 4 9 | 14 30 | 0 17 | 3 7 | 1 14 | 16 48 | 0 18 | 24 7 | 0 14 | 23 28 | 0 39 | 0 11 | 2 10 | 35 50 | 15 29 | 16 22 | 16 26 | 11 10 | | | n.a. |
| M26 | 17 8 | 11 21 | 5 0 | 10 29 | 4 13 | 14 56 | 0 15 | 2 51 | 1 13 | 16 52 | 0 18 | 24 7 | 0 14 | 23 28 | 0 39 | 0 11 | 2 10 | 35 49 | 15 29 | 16 25 | 16 27 | 11 8 | | | n.a. |
| T 27 | 17 24 | 15 9 | 4 55 | 10 20 | 4 15 | 15 22 | 0 13 | 2 34 | 1 13 | 16 56 | 0 18 | 24 7 | 0 14 | 23 28 | 0 39 | 0 12 | 2 10 | 35 49 | 15 29 | 16 29 | 16 28 | 11 7 | | | n.a. |
| W28 | 17 41 | 18 2 | 4 32 | 10 13 | 4 15 | 15 47 | 0 10 | 2 17 | 1 13 | 17 0 | 0 18 | 24 7 | 0 14 | 23 27 | 0 39 | 0 12 | 2 10 | 35 48 | 15 28 | 16 32 | 16 29 | 11 5 | | | n.a. |
| T 29 | 17 57 | 19 53 | 3 55 | 10 10 | 4 14 | 16 12 | 0 8 | 2 0 | 1 13 | 17 4 | 0 18 | 24 7 | 0 14 | 23 27 | 0 39 | 0 12 | 2 10 | 35 47 | 15 28 | 16 35 | 16 29 | 11 3 | | | n.a. |
| F 30 | 18 12 | 20 37 | 3 7 | 10 9 | 4 12 | 16 36 | 0 6 | 1 43 | 1 12 | 17 8 | 0 18 | 24 7 | 0 14 | 23 27 | 0 39 | 0 13 | 2 10 | 35 47 | 15 27 | 16 37 | 16 30 | 11 1 | | | n.a. |
| S 31 | 18n28 | 20n18 | 2s11 | 10n11 | 4s 8 | 17n 0 | 0s 3 | 1s26 | 1s12 | 17n12 | 0s18 | 24s 7 | 0s14 | 23n26 | 0n39 | 0n13 | 2n10 | 35n46 | 15n27 | 16n38 | 16n31 | 10n59 | | | n.a. |

Julian Day Number = 996522.5, Delta T = 12h56m15s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'09, Lahiri = -31°19'09 Julian Calendar 1 May 1985 BCE == Greg. Calendar 14 Apr. 1985 BCE

The year -1984 astronomical counting style corresponds to year 1985 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## JUNE 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 31 41 | 22♉18'03 | 1♌51 | 6♉52 | 17♉34 | 29♓51 | 18♉ 2 | 26°R53 | 17♋ 8 | 4°R20 | 29♋16 | 15°R 4 | 15♌24 | 6♍42 | n.a. | S 1 |
| M 2 | 15 35 38 | 23°15'12 | 13°52 | 6°58 | 18°48 | 0♈32 | 18°16 | 26♐49 | 17°11 | 4♎19 | 29°17 | 15°D 3 | 15°21 | 6°49 | n.a. | M 2 |
| T 3 | 15 39 34 | 24°12'21 | 25°44 | 7°10 | 20° 2 | 1°13 | 18°29 | 26°46 | 17°13 | 4°18 | 29°18 | 15°R 3 | 15°18 | 6°55 | n.a. | T 3 |
| W 4 | 15 43 31 | 25° 9'30 | 7♍33 | 7°27 | 21°15 | 1°53 | 18°42 | 26°43 | 17°16 | 4°17 | 29°19 | 15♌ 3 | 15°15 | 7° 2 | n.a. | W 4 |
| T 5 | 15 47 27 | 26° 6'40 | 19°24 | 7°49 | 22°29 | 2°34 | 18°56 | 26°39 | 17°19 | 4°16 | 29°21 | 15° 1 | 15°12 | 7° 9 | n.a. | T 5 |
| F 6 | 15 51 24 | 27° 3'50 | 1♎22 | 8°18 | 23°43 | 3°14 | 19° 9 | 26°36 | 17°21 | 4°15 | 29°22 | 14°56 | 15° 8 | 7°15 | n.a. | F 6 |
| S 7 | 15 55 21 | 28° 1'01 | 13°32 | 8°52 | 24°57 | 3°55 | 19°23 | 26°32 | 17°24 | 4°14 | 29°23 | 14°49 | 15° 5 | 7°22 | n.a. | S 7 |
| S 8 | 15 59 17 | 28°58'13 | 25°56 | 9°31 | 26°11 | 4°35 | 19°36 | 26°28 | 17°27 | 4°14 | 29°24 | 14°40 | 15° 2 | 7°29 | n.a. | S 8 |
| M 9 | 16 3 14 | 29°55'25 | 8♏37 | 10°16 | 27°25 | 5°15 | 19°49 | 26°24 | 17°30 | 4°13 | 29°26 | 14°29 | 14°59 | 7°35 | n.a. | M 9 |
| T 10 | 16 7 10 | 0♊52'38 | 21°36 | 11° 7 | 28°39 | 5°55 | 20° 3 | 26°21 | 17°33 | 4°12 | 29°27 | 14°18 | 14°56 | 7°42 | n.a. | T 10 |
| W11 | 16 11 7 | 1°49'52 | 4♐51 | 12° 3 | 29°52 | 6°35 | 20°16 | 26°17 | 17°35 | 4°11 | 29°28 | 14° 6 | 14°53 | 7°49 | n.a. | W11 |
| T 12 | 16 15 3 | 2°47'07 | 18°21 | 13° 5 | 1♊ 6 | 7°15 | 20°29 | 26°13 | 17°38 | 4°11 | 29°30 | 13°56 | 14°49 | 7°55 | n.a. | T 12 |
| F 13 | 16 19 0 | 3°44'23 | 2♑ 3 | 14°12 | 2°20 | 7°55 | 20°43 | 26° 9 | 17°41 | 4°10 | 29°31 | 13°48 | 14°46 | 8° 2 | n.a. | F 13 |
| S 14 | 16 22 56 | 4°41'41 | 15°55 | 15°24 | 3°34 | 8°35 | 20°56 | 26° 5 | 17°44 | 4° 9 | 29°33 | 13°43 | 14°43 | 8° 9 | n.a. | S 14 |
| S 15 | 16 26 53 | 5°38'59 | 29°54 | 16°41 | 4°48 | 9°15 | 21° 9 | 26° 1 | 17°47 | 4° 9 | 29°34 | 13°40 | 14°40 | 8°15 | n.a. | S 15 |
| M16 | 16 30 50 | 6°36'19 | 13♒57 | 18° 3 | 6° 2 | 9°54 | 21°22 | 25°57 | 17°50 | 4° 8 | 29°36 | 13°D39 | 14°37 | 8°22 | n.a. | M16 |
| T 17 | 16 34 46 | 7°33'40 | 28° 3 | 19°30 | 7°16 | 10°34 | 21°36 | 25°52 | 17°54 | 4° 8 | 29°37 | 13°40 | 14°33 | 8°29 | n.a. | T 17 |
| W18 | 16 38 43 | 8°31'02 | 12♓11 | 21° 1 | 8°31 | 11°13 | 21°49 | 25°48 | 17°57 | 4° 7 | 29°39 | 13°R40 | 14°30 | 8°35 | n.a. | W18 |
| T 19 | 16 42 39 | 9°28'26 | 26°20 | 22°36 | 9°45 | 11°52 | 22° 2 | 25°44 | 18° 0 | 4° 7 | 29°40 | 13°39 | 14°27 | 8°42 | n.a. | T 19 |
| F 20 | 16 46 36 | 10°25'52 | 10♈29 | 24°16 | 10°59 | 12°32 | 22°15 | 25°40 | 18° 3 | 4° 6 | 29°42 | 13°36 | 14°24 | 8°49 | n.a. | F 20 |
| S 21 | 16 50 32 | 11°23'19 | 24°34 | 25°59 | 12°13 | 13°11 | 22°28 | 25°35 | 18° 6 | 4° 6 | 29°43 | 13°30 | 14°21 | 8°55 | n.a. | S 21 |
| S 22 | 16 54 29 | 12°20'47 | 8♉34 | 27°46 | 13°27 | 13°50 | 22°41 | 25°31 | 18° 9 | 4° 6 | 29°45 | 13°22 | 14°18 | 9° 2 | n.a. | S 22 |
| M23 | 16 58 26 | 13°18'17 | 22°24 | 29°36 | 14°41 | 14°29 | 22°54 | 25°27 | 18°13 | 4° 5 | 29°47 | 13°13 | 14°14 | 9° 9 | n.a. | M23 |
| T 24 | 17 2 22 | 14°15'48 | 6♊ 1 | 1♊29 | 15°55 | 15° 8 | 23° 7 | 25°22 | 18°16 | 4° 5 | 29°48 | 13° 3 | 14°11 | 9°15 | n.a. | T 24 |
| W25 | 17 6 19 | 15°13'21 | 19°21 | 3°24 | 17°10 | 15°46 | 23°20 | 25°18 | 18°19 | 4° 5 | 29°50 | 12°54 | 14° 8 | 9°22 | n.a. | W25 |
| T 26 | 17 10 15 | 16°10'55 | 2♋24 | 5°21 | 18°24 | 16°25 | 23°33 | 25°13 | 18°23 | 4° 5 | 29°52 | 12°46 | 14° 5 | 9°29 | n.a. | T 26 |
| F 27 | 17 14 12 | 17° 8'31 | 15° 9 | 7°20 | 19°38 | 17° 3 | 23°46 | 25° 9 | 18°26 | 4° 4 | 29°53 | 12°40 | 14° 2 | 9°35 | n.a. | F 27 |
| S 28 | 17 18 8 | 18° 6'08 | 27°35 | 9°21 | 20°52 | 17°42 | 23°59 | 25° 4 | 18°29 | 4° 4 | 29°55 | 12°37 | 13°59 | 9°42 | n.a. | S 28 |
| S 29 | 17 22 5 | 19° 3'46 | 9♌47 | 11°22 | 22° 7 | 18°20 | 24°12 | 25° 0 | 18°33 | 4° 4 | 29°57 | 12°D36 | 13°55 | 9°49 | n.a. | S 29 |
| M30 | 17 26 1 | 20♊ 1'25 | 21♌46 | 13♊24 | 23♊21 | 18♈58 | 24♉24 | 24♐55 | 18♋36 | 4♎ 4 | 29♋59 | 12♌36 | 13♌52 | 9♍55 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n43 | 19n 1 | 1s 9 | 10n16 | 4s 3 | 17n24 | 0s 1 | 1s 9 | 1s12 | 17n16 | 0s18 | 24s 7 | 0s14 | 23n26 | 0n39 | 0n13 | 2n10 | 35n45 | 15n27 | 16n39 | 16n32 | 10n58 | | n.a. |
| M 2 | 18 58 | 16 54 | 0 6 | 10 23 | 3 57 | 17 47 | 0n 2 | 0 52 | 1 11 | 17 20 | 0 17 | 24 7 | 0 15 | 23 26 | 0 39 | 0 14 | 2 10 | 35 45 | 15 26 | 16 39 | 16 33 | 10 56 | | n.a. |
| T 3 | 19 12 | 14 5 | 0n56 | 10 34 | 3 50 | 18 10 | 0 4 | 0 35 | 1 11 | 17 24 | 0 17 | 24 8 | 0 15 | 23 25 | 0 39 | 0 14 | 2 9 | 35 44 | 15 26 | 16 39 | 16 34 | 10 54 | | n.a. |
| W 4 | 19 26 | 10 42 | 1 56 | 10 47 | 3 42 | 18 32 | 0 6 | 0 19 | 1 11 | 17 28 | 0 17 | 24 8 | 0 15 | 23 25 | 0 39 | 0 14 | 2 9 | 35 43 | 15 25 | 16 39 | 16 35 | 10 52 | | n.a. |
| T 5 | 19 40 | 6 54 | 2 52 | 11 3 | 3 33 | 18 54 | 0 9 | 0 2 | 1 10 | 17 32 | 0 17 | 24 8 | 0 15 | 23 25 | 0 39 | 0 15 | 2 9 | 35 43 | 15 25 | 16 40 | 16 36 | 10 51 | | n.a. |
| F 6 | 19 54 | 2 48 | 3 40 | 11 22 | 3 23 | 19 15 | 0 11 | 0n15 | 1 10 | 17 35 | 0 17 | 24 8 | 0 15 | 23 24 | 0 39 | 0 15 | 2 9 | 35 42 | 15 25 | 16 41 | 16 37 | 10 49 | | n.a. |
| S 7 | 20 7 | 1s29 | 4 18 | 11 43 | 3 12 | 19 36 | 0 13 | 0 31 | 1 10 | 17 39 | 0 17 | 24 8 | 0 15 | 23 24 | 0 38 | 0 15 | 2 9 | 35 41 | 15 24 | 16 43 | 16 38 | 10 47 | | n.a. |
| S 8 | 20 20 | 5 47 | 4 46 | 12 6 | 3 1 | 19 56 | 0 16 | 0 48 | 1 9 | 17 43 | 0 17 | 24 8 | 0 15 | 23 24 | 0 38 | 0 15 | 2 9 | 35 41 | 15 24 | 16 46 | 16 39 | 10 45 | | n.a. |
| M 9 | 20 32 | 9 56 | 5 0 | 12 31 | 2 49 | 20 16 | 0 18 | 1 5 | 1 9 | 17 47 | 0 17 | 24 8 | 0 15 | 23 23 | 0 38 | 0 16 | 2 9 | 35 40 | 15 23 | 16 49 | 16 40 | 10 44 | | n.a. |
| T 10 | 20 45 | 13 43 | 4 59 | 12 59 | 2 37 | 20 35 | 0 20 | 1 21 | 1 8 | 17 51 | 0 17 | 24 8 | 0 15 | 23 23 | 0 38 | 0 16 | 2 9 | 35 39 | 15 23 | 16 52 | 16 41 | 10 42 | | n.a. |
| W11 | 20 57 | 16 54 | 4 43 | 13 29 | 2 24 | 20 54 | 0 23 | 1 38 | 1 8 | 17 54 | 0 17 | 24 8 | 0 16 | 23 22 | 0 38 | 0 16 | 2 9 | 35 39 | 15 23 | 16 56 | 16 42 | 10 40 | | n.a. |
| T 12 | 21 8 | 19 15 | 4 10 | 14 0 | 2 11 | 21 12 | 0 25 | 1 54 | 1 8 | 17 58 | 0 16 | 24 8 | 0 16 | 23 22 | 0 38 | 0 16 | 2 9 | 35 38 | 15 22 | 16 59 | 16 43 | 10 38 | | n.a. |
| F 13 | 21 19 | 20 32 | 3 22 | 14 33 | 1 58 | 21 29 | 0 27 | 2 11 | 1 7 | 18 2 | 0 16 | 24 8 | 0 16 | 23 22 | 0 38 | 0 17 | 2 9 | 35 37 | 15 22 | 17 1 | 16 44 | 10 36 | | n.a. |
| S 14 | 21 30 | 20 36 | 2 22 | 15 7 | 1 44 | 21 46 | 0 29 | 2 27 | 1 7 | 18 5 | 0 16 | 24 8 | 0 16 | 23 21 | 0 38 | 0 17 | 2 9 | 35 37 | 15 22 | 17 3 | 16 45 | 10 35 | | n.a. |
| S 15 | 21 41 | 19 24 | 1 13 | 15 43 | 1 31 | 22 2 | 0 31 | 2 43 | 1 6 | 18 9 | 0 16 | 24 8 | 0 16 | 23 21 | 0 38 | 0 17 | 2 9 | 35 36 | 15 21 | 17 3 | 16 46 | 10 33 | | n.a. |
| M16 | 21 51 | 17 0 | 0s 2 | 16 19 | 1 17 | 22 18 | 0 34 | 2 59 | 1 6 | 18 13 | 0 16 | 24 8 | 0 16 | 23 20 | 0 38 | 0 17 | 2 9 | 35 35 | 15 21 | 17 4 | 16 47 | 10 31 | | n.a. |
| T 17 | 22 1 | 13 34 | 1 16 | 16 57 | 1 3 | 22 33 | 0 36 | 3 16 | 1 6 | 18 16 | 0 16 | 24 8 | 0 16 | 23 20 | 0 38 | 0 17 | 2 9 | 35 35 | 15 21 | 17 3 | 16 48 | 10 29 | | n.a. |
| W18 | 22 10 | 9 22 | 2 26 | 17 34 | 0 50 | 22 47 | 0 38 | 3 32 | 1 5 | 18 20 | 0 16 | 24 7 | 0 16 | 23 19 | 0 38 | 0 17 | 2 9 | 35 34 | 15 20 | 17 3 | 16 49 | 10 27 | | n.a. |
| T 19 | 22 19 | 4 38 | 3 27 | 18 12 | 0 36 | 23 1 | 0 40 | 3 48 | 1 5 | 18 23 | 0 16 | 24 7 | 0 16 | 23 19 | 0 38 | 0 17 | 2 8 | 35 33 | 15 20 | 17 4 | 16 49 | 10 26 | | n.a. |
| F 20 | 22 28 | 0n20 | 4 15 | 18 50 | 0 23 | 23 14 | 0 42 | 4 4 | 1 4 | 18 27 | 0 16 | 24 7 | 0 17 | 23 18 | 0 38 | 0 18 | 2 8 | 35 33 | 15 20 | 17 5 | 16 50 | 10 24 | | n.a. |
| S 21 | 22 36 | 5 15 | 4 48 | 19 28 | 0 11 | 23 26 | 0 44 | 4 20 | 1 4 | 18 30 | 0 16 | 24 7 | 0 17 | 23 18 | 0 38 | 0 18 | 2 8 | 35 32 | 15 19 | 17 6 | 16 51 | 10 22 | | n.a. |
| S 22 | 22 44 | 9 52 | 5 3 | 20 5 | 0n 2 | 23 38 | 0 46 | 4 36 | 1 3 | 18 34 | 0 15 | 24 7 | 0 17 | 23 18 | 0 38 | 0 18 | 2 8 | 35 31 | 15 19 | 17 9 | 16 52 | 10 20 | | n.a. |
| M23 | 22 51 | 13 54 | 5 1 | 20 41 | 0 13 | 23 49 | 0 48 | 4 51 | 1 3 | 18 37 | 0 15 | 24 7 | 0 17 | 23 17 | 0 38 | 0 18 | 2 8 | 35 31 | 15 19 | 17 11 | 16 53 | 10 18 | | n.a. |
| T 24 | 22 58 | 17 8 | 4 41 | 21 16 | 0 25 | 23 59 | 0 50 | 5 7 | 1 2 | 18 41 | 0 15 | 24 7 | 0 17 | 23 17 | 0 38 | 0 18 | 2 8 | 35 30 | 15 19 | 17 14 | 16 54 | 10 16 | | n.a. |
| W25 | 23 5 | 19 24 | 4 6 | 21 50 | 0 35 | 24 9 | 0 52 | 5 23 | 1 2 | 18 44 | 0 15 | 24 7 | 0 17 | 23 16 | 0 38 | 0 18 | 2 8 | 35 29 | 15 18 | 17 17 | 16 55 | 10 15 | | n.a. |
| T 26 | 23 11 | 20 36 | 3 18 | 22 22 | 0 45 | 24 18 | 0 54 | 5 38 | 1 1 | 18 48 | 0 15 | 24 7 | 0 17 | 23 16 | 0 38 | 0 18 | 2 8 | 35 29 | 15 18 | 17 19 | 16 56 | 10 13 | | n.a. |
| F 27 | 23 17 | 20 41 | 2 22 | 22 52 | 0 55 | 24 26 | 0 56 | 5 54 | 1 1 | 18 51 | 0 15 | 24 7 | 0 17 | 23 15 | 0 38 | 0 18 | 2 8 | 35 28 | 15 18 | 17 21 | 16 57 | 10 11 | | n.a. |
| S 28 | 23 23 | 19 45 | 1 20 | 23 20 | 1 3 | 24 33 | 0 57 | 6 9 | 1 0 | 18 54 | 0 15 | 24 7 | 0 17 | 23 15 | 0 38 | 0 18 | 2 8 | 35 27 | 15 17 | 17 22 | 16 58 | 10 9 | | n.a. |
| S 29 | 23 28 | 17 55 | 0 15 | 23 46 | 1 11 | 24 40 | 0 59 | 6 25 | 1 0 | 18 58 | 0 15 | 24 7 | 0 17 | 23 14 | 0 38 | 0 18 | 2 8 | 35 27 | 15 17 | 17 22 | 16 59 | 10 7 | | n.a. |
| M30 | 23n32 | 15n19 | 0n49 | 24n 9 | 1n18 | 24n46 | 1n 1 | 6n40 | 0s59 | 19n 1 | 0s15 | 24s 7 | 0s18 | 23n14 | 0n38 | 0n18 | 2n 8 | 35n26 | 15n17 | 17n22 | 17n 0 | 10n 5 | | n.a. |

Julian Day Number = 996553.5, Delta T = 12h56m13s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'05, Lahiri = -31°19'05 Julian Calendar 1 June 1985 BCE == Greg. Calendar 15 May 1985 BCE

The year -1984 astronomical counting style corresponds to year 1985 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## JULY 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 29 58 | 20♊59'05 | 3♍38 | 15♊26 | 24♊35 | 19♈37 | 24♉37 | 24°R51 | 18♋40 | 4°R 4 | 0♌ 1 | 12♌37 | 13♌49 | 10♍ 2 | n.a. | T 1 |
| W 2 | 17 33 55 | 21°56'47 | 15°27 | 17°28 | 25°50 | 20°15 | 24°50 | 24♐46 | 18°43 | 4♎ 4 | 0° 2 | 12°38 | 13°46 | 10° 9 | n.a. | W 2 |
| T 3 | 17 37 51 | 22°54'30 | 27°18 | 19°30 | 27° 4 | 20°53 | 25° 2 | 24°42 | 18°47 | 4°D 4 | 0° 4 | 12°R38 | 13°43 | 10°15 | n.a. | T 3 |
| F 4 | 17 41 48 | 23°52'15 | 9♎18 | 21°32 | 28°18 | 21°30 | 25°15 | 24°37 | 18°50 | 4° 4 | 0° 6 | 12°37 | 13°39 | 10°22 | n.a. | F 4 |
| S 5 | 17 45 44 | 24°50'00 | 21°29 | 23°33 | 29°33 | 22° 8 | 25°28 | 24°33 | 18°54 | 4° 4 | 0° 8 | 12°33 | 13°36 | 10°29 | n.a. | S 5 |
| S 6 | 17 49 41 | 25°47'47 | 3♏58 | 25°34 | 0♋47 | 22°46 | 25°40 | 24°28 | 18°57 | 4° 4 | 0°10 | 12°28 | 13°33 | 10°35 | n.a. | S 6 |
| M 7 | 17 53 37 | 26°45'36 | 16°46 | 27°33 | 2° 1 | 23°23 | 25°52 | 24°24 | 19° 1 | 4° 4 | 0°12 | 12°22 | 13°30 | 10°42 | n.a. | M 7 |
| T 8 | 17 57 34 | 27°43'26 | 29°56 | 29°32 | 3°16 | 24° 0 | 26° 5 | 24°19 | 19° 4 | 4° 4 | 0°14 | 12°14 | 13°27 | 10°49 | n.a. | T 8 |
| W 9 | 18 1 30 | 28°41'18 | 13♐27 | 1♋29 | 4°30 | 24°38 | 26°17 | 24°14 | 19° 8 | 4° 4 | 0°16 | 12° 7 | 13°24 | 10°55 | n.a. | W 9 |
| T 10 | 18 5 27 | 29°39'11 | 27°18 | 3°25 | 5°45 | 25°15 | 26°29 | 24°10 | 19°12 | 4° 5 | 0°18 | 12° 1 | 13°20 | 11° 2 | n.a. | T 10 |
| F 11 | 18 9 24 | 0♋37'06 | 11♑24 | 5°20 | 6°59 | 25°52 | 26°42 | 24° 5 | 19°15 | 4° 5 | 0°20 | 11°56 | 13°17 | 11° 9 | n.a. | F 11 |
| S 12 | 18 13 20 | 1°35'03 | 25°41 | 7°14 | 8°14 | 26°29 | 26°54 | 24° 1 | 19°19 | 4° 5 | 0°22 | 11°53 | 13°14 | 11°15 | n.a. | S 12 |
| S 13 | 18 17 17 | 2°33'02 | 10♒ 5 | 9° 7 | 9°28 | 27° 6 | 27° 6 | 23°56 | 19°23 | 4° 5 | 0°24 | 11°D52 | 13°11 | 11°22 | n.a. | S 13 |
| M14 | 18 21 13 | 3°31'03 | 24°30 | 10°58 | 10°43 | 27°42 | 27°18 | 23°52 | 19°26 | 4° 6 | 0°26 | 11°52 | 13° 8 | 11°29 | n.a. | M14 |
| T 15 | 18 25 10 | 4°29'06 | 8♓53 | 12°48 | 11°57 | 28°19 | 27°30 | 23°48 | 19°30 | 4° 6 | 0°28 | 11°54 | 13° 5 | 11°35 | n.a. | T 15 |
| W16 | 18 29 6 | 5°27'11 | 23°10 | 14°37 | 13°12 | 28°55 | 27°42 | 23°43 | 19°34 | 4° 7 | 0°30 | 11°55 | 13° 1 | 11°42 | n.a. | W16 |
| T 17 | 18 33 3 | 6°25'18 | 7♈19 | 16°25 | 14°26 | 29°32 | 27°54 | 23°39 | 19°37 | 4° 7 | 0°32 | 11°R55 | 12°58 | 11°49 | n.a. | T 17 |
| F 18 | 18 36 59 | 7°23'27 | 21°18 | 18°11 | 15°41 | 0♉ 8 | 28° 6 | 23°34 | 19°41 | 4° 7 | 0°34 | 11°55 | 12°55 | 11°55 | n.a. | F 18 |
| S 19 | 18 40 56 | 8°21'39 | 5♉ 7 | 19°56 | 16°55 | 0°44 | 28°17 | 23°30 | 19°45 | 4° 8 | 0°36 | 11°52 | 12°52 | 12° 2 | n.a. | S 19 |
| S 20 | 18 44 53 | 9°19'53 | 18°45 | 21°40 | 18°10 | 1°20 | 28°29 | 23°26 | 19°48 | 4° 9 | 0°38 | 11°49 | 12°49 | 12° 8 | n.a. | S 20 |
| M21 | 18 48 49 | 10°18'09 | 2♊10 | 23°23 | 19°24 | 1°56 | 28°41 | 23°22 | 19°52 | 4° 9 | 0°40 | 11°44 | 12°45 | 12°15 | n.a. | M21 |
| T 22 | 18 52 46 | 11°16'27 | 15°22 | 25° 4 | 20°39 | 2°31 | 28°52 | 23°17 | 19°56 | 4°10 | 0°43 | 11°39 | 12°42 | 12°22 | n.a. | T 22 |
| W23 | 18 56 42 | 12°14'47 | 28°19 | 26°45 | 21°54 | 3° 7 | 29° 4 | 23°13 | 20° 0 | 4°10 | 0°45 | 11°34 | 12°39 | 12°28 | n.a. | W23 |
| T 24 | 19 0 39 | 13°13'10 | 11♋ 3 | 28°24 | 23° 8 | 3°42 | 29°15 | 23° 9 | 20° 4 | 4°11 | 0°47 | 11°30 | 12°36 | 12°35 | n.a. | T 24 |
| F 25 | 19 4 35 | 14°11'34 | 23°32 | 0♌ 2 | 24°23 | 4°18 | 29°26 | 23° 5 | 20° 7 | 4°12 | 0°49 | 11°28 | 12°33 | 12°42 | n.a. | F 25 |
| S 26 | 19 8 32 | 15°10'00 | 5♌49 | 1°39 | 25°38 | 4°53 | 29°38 | 23° 1 | 20°11 | 4°12 | 0°51 | 11°D26 | 12°30 | 12°48 | n.a. | S 26 |
| S 27 | 19 12 28 | 16° 8'29 | 17°54 | 3°14 | 26°52 | 5°28 | 29°49 | 22°57 | 20°15 | 4°13 | 0°53 | 11°27 | 12°26 | 12°55 | n.a. | S 27 |
| M28 | 19 16 25 | 17° 6'59 | 29°49 | 4°49 | 28° 7 | 6° 3 | 29°59 | 22°53 | 20°19 | 4°14 | 0°56 | 11°28 | 12°23 | 13° 2 | n.a. | M28 |
| T 29 | 19 20 21 | 18° 5'31 | 11♍40 | 6°22 | 29°22 | 6°37 | 0♊11 | 22°49 | 20°23 | 4°15 | 0°58 | 11°29 | 12°20 | 13° 8 | n.a. | T 29 |
| W30 | 19 24 18 | 19° 4'05 | 23°28 | 7°54 | 0♌36 | 7°12 | 0°22 | 22°45 | 20°26 | 4°16 | 1° 0 | 11°31 | 12°17 | 13°15 | n.a. | W30 |
| T 31 | 19 28 15 | 20♋ 2'40 | 5♎19 | 9♌26 | 1♌51 | 7♉46 | 0♊32 | 22♐41 | 20♋30 | 4♎17 | 1♌ 2 | 11♌32 | 12♌14 | 13♍22 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 23n36 | 12n 6 | 1n51 | 24n30 | 1n24 | 24n51 | 1n 2 | 6n55 | 0s59 | 19n 4 | 0s15 | 24s 7 | 0s18 | 23n13 | 0n38 | 0n18 | 2n 8 | 35n25 | 15n17 | 17n22 | 17n 1 | 10n 4 | | | n.a. |
| W 2 | 23 40 | 8 25 | 2 48 | 24 49 | 1 30 | 24 55 | 1 4 | 7 10 | 0 58 | 19 7 | 0 14 | 24 7 | 0 18 | 23 13 | 0 38 | 0 18 | 2 8 | 35 25 | 15 16 | 17 21 | 17 2 | 10 2 | | | n.a. |
| T 3 | 23 44 | 4 24 | 3 38 | 25 4 | 1 35 | 24 59 | 1 6 | 7 25 | 0 58 | 19 11 | 0 14 | 24 7 | 0 18 | 23 12 | 0 38 | 0 18 | 2 7 | 35 24 | 15 16 | 17 21 | 17 3 | 10 0 | | | n.a. |
| F 4 | 23 46 | 0 12 | 4 18 | 25 17 | 1 39 | 25 2 | 1 7 | 7 40 | 0 57 | 19 14 | 0 14 | 24 6 | 0 18 | 23 12 | 0 38 | 0 18 | 2 7 | 35 23 | 15 16 | 17 22 | 17 4 | 9 58 | | | n.a. |
| S 5 | 23 49 | 4s 6 | 4 48 | 25 28 | 1 42 | 25 4 | 1 9 | 7 55 | 0 57 | 19 17 | 0 14 | 24 6 | 0 18 | 23 11 | 0 38 | 0 18 | 2 7 | 35 23 | 15 16 | 17 23 | 17 4 | 9 56 | | | n.a. |
| S 6 | 23 51 | 8 19 | 5 5 | 25 35 | 1 45 | 25 5 | 1 10 | 8 10 | 0 56 | 19 20 | 0 14 | 24 6 | 0 18 | 23 11 | 0 38 | 0 18 | 2 7 | 35 22 | 15 15 | 17 24 | 17 5 | 9 54 | | | n.a. |
| M 7 | 23 53 | 12 16 | 5 8 | 25 40 | 1 47 | 25 6 | 1 11 | 8 24 | 0 55 | 19 23 | 0 14 | 24 6 | 0 18 | 23 10 | 0 38 | 0 17 | 2 7 | 35 21 | 15 15 | 17 26 | 17 6 | 9 53 | | | n.a. |
| T 8 | 23 54 | 15 45 | 4 54 | 25 43 | 1 48 | 25 5 | 1 13 | 8 39 | 0 55 | 19 26 | 0 14 | 24 6 | 0 18 | 23 10 | 0 38 | 0 17 | 2 7 | 35 20 | 15 15 | 17 28 | 17 7 | 9 51 | | | n.a. |
| W 9 | 23 55 | 18 30 | 4 24 | 25 43 | 1 48 | 25 4 | 1 14 | 8 53 | 0 54 | 19 29 | 0 14 | 24 6 | 0 18 | 23 9 | 0 38 | 0 17 | 2 7 | 35 20 | 15 15 | 17 30 | 17 8 | 9 49 | | | n.a. |
| T 10 | 23 55 | 20 15 | 3 38 | 25 41 | 1 48 | 25 3 | 1 15 | 9 8 | 0 54 | 19 32 | 0 14 | 24 6 | 0 19 | 23 9 | 0 38 | 0 17 | 2 7 | 35 19 | 15 15 | 17 32 | 17 9 | 9 47 | | | n.a. |
| F 11 | 23 55 | 20 48 | 2 38 | 25 36 | 1 48 | 25 0 | 1 16 | 9 22 | 0 53 | 19 35 | 0 14 | 24 6 | 0 19 | 23 8 | 0 38 | 0 17 | 2 7 | 35 18 | 15 14 | 17 33 | 17 10 | 9 45 | | | n.a. |
| S 12 | 23 55 | 20 1 | 1 27 | 25 30 | 1 47 | 24 57 | 1 17 | 9 36 | 0 52 | 19 38 | 0 14 | 24 6 | 0 19 | 23 8 | 0 38 | 0 17 | 2 7 | 35 18 | 15 14 | 17 34 | 17 11 | 9 43 | | | n.a. |
| S 13 | 23 54 | 17 55 | 0 10 | 25 21 | 1 45 | 24 53 | 1 18 | 9 50 | 0 52 | 19 41 | 0 13 | 24 6 | 0 19 | 23 7 | 0 38 | 0 16 | 2 7 | 35 17 | 15 14 | 17 35 | 17 12 | 9 41 | | | n.a. |
| M14 | 23 52 | 14 41 | 1s 8 | 25 10 | 1 43 | 24 48 | 1 19 | 10 4 | 0 51 | 19 44 | 0 13 | 24 5 | 0 19 | 23 6 | 0 38 | 0 16 | 2 7 | 35 17 | 15 14 | 17 34 | 17 13 | 9 39 | | | n.a. |
| T 15 | 23 51 | 10 35 | 2 22 | 24 57 | 1 41 | 24 42 | 1 20 | 10 18 | 0 51 | 19 47 | 0 13 | 24 5 | 0 19 | 23 6 | 0 38 | 0 16 | 2 7 | 35 16 | 15 14 | 17 34 | 17 14 | 9 38 | | | n.a. |
| W16 | 23 48 | 5 55 | 3 26 | 24 43 | 1 38 | 24 36 | 1 21 | 10 32 | 0 50 | 19 50 | 0 13 | 24 5 | 0 19 | 23 5 | 0 38 | 0 16 | 2 7 | 35 15 | 15 14 | 17 34 | 17 15 | 9 36 | | | n.a. |
| T 17 | 23 46 | 0 58 | 4 17 | 24 27 | 1 34 | 24 28 | 1 22 | 10 46 | 0 49 | 19 53 | 0 13 | 24 5 | 0 19 | 23 5 | 0 38 | 0 16 | 2 6 | 35 15 | 15 14 | 17 34 | 17 16 | 9 34 | | | n.a. |
| F 18 | 23 43 | 3n58 | 4 52 | 24 9 | 1 30 | 24 21 | 1 22 | 10 59 | 0 49 | 19 55 | 0 13 | 24 5 | 0 19 | 23 4 | 0 38 | 0 15 | 2 6 | 35 14 | 15 13 | 17 34 | 17 16 | 9 32 | | | n.a. |
| S 19 | 23 39 | 8 37 | 5 10 | 23 49 | 1 26 | 24 12 | 1 23 | 11 13 | 0 48 | 19 58 | 0 13 | 24 5 | 0 19 | 23 4 | 0 38 | 0 15 | 2 6 | 35 13 | 15 13 | 17 34 | 17 17 | 9 30 | | | n.a. |
| S 20 | 23 35 | 12 47 | 5 10 | 23 29 | 1 22 | 24 2 | 1 24 | 11 26 | 0 47 | 20 1 | 0 13 | 24 5 | 0 19 | 23 3 | 0 38 | 0 15 | 2 6 | 35 13 | 15 13 | 17 35 | 17 18 | 9 28 | | | n.a. |
| M21 | 23 31 | 16 14 | 4 53 | 23 7 | 1 17 | 23 52 | 1 24 | 11 39 | 0 47 | 20 4 | 0 13 | 24 5 | 0 20 | 23 3 | 0 38 | 0 14 | 2 6 | 35 12 | 15 13 | 17 37 | 17 19 | 9 26 | | | n.a. |
| T 22 | 23 26 | 18 47 | 4 20 | 22 43 | 1 12 | 23 41 | 1 25 | 11 53 | 0 46 | 20 6 | 0 13 | 24 4 | 0 20 | 23 2 | 0 38 | 0 14 | 2 6 | 35 11 | 15 13 | 17 38 | 17 20 | 9 24 | | | n.a. |
| W23 | 23 21 | 20 20 | 3 35 | 22 19 | 1 6 | 23 30 | 1 25 | 12 6 | 0 45 | 20 9 | 0 13 | 24 4 | 0 20 | 23 1 | 0 38 | 0 14 | 2 6 | 35 11 | 15 13 | 17 40 | 17 21 | 9 22 | | | n.a. |
| T 24 | 23 15 | 20 48 | 2 39 | 21 53 | 1 0 | 23 18 | 1 25 | 12 19 | 0 44 | 20 11 | 0 12 | 24 4 | 0 20 | 23 1 | 0 38 | 0 13 | 2 6 | 35 10 | 15 13 | 17 41 | 17 22 | 9 21 | | | n.a. |
| F 25 | 23 9 | 20 14 | 1 37 | 21 26 | 0 54 | 23 5 | 1 26 | 12 31 | 0 44 | 20 14 | 0 12 | 24 4 | 0 20 | 23 0 | 0 38 | 0 13 | 2 6 | 35 10 | 15 13 | 17 41 | 17 23 | 9 19 | | | n.a. |
| S 26 | 23 2 | 18 42 | 0 31 | 20 59 | 0 48 | 22 51 | 1 26 | 12 44 | 0 43 | 20 17 | 0 12 | 24 4 | 0 20 | 23 0 | 0 38 | 0 13 | 2 6 | 35 9 | 15 13 | 17 42 | 17 24 | 9 17 | | | n.a. |
| S 27 | 22 55 | 16 20 | 0n35 | 20 30 | 0 42 | 22 37 | 1 26 | 12 57 | 0 42 | 20 19 | 0 12 | 24 4 | 0 20 | 22 59 | 0 38 | 0 12 | 2 6 | 35 8 | 15 12 | 17 42 | 17 25 | 9 15 | | | n.a. |
| M28 | 22 48 | 13 19 | 1 40 | 20 1 | 0 35 | 22 22 | 1 26 | 13 9 | 0 41 | 20 22 | 0 12 | 24 4 | 0 20 | 22 59 | 0 38 | 0 12 | 2 6 | 35 8 | 15 12 | 17 41 | 17 26 | 9 13 | | | n.a. |
| T 29 | 22 40 | 9 46 | 2 39 | 19 31 | 0 28 | 22 6 | 1 26 | 13 21 | 0 41 | 20 24 | 0 12 | 24 3 | 0 20 | 22 58 | 0 38 | 0 12 | 2 6 | 35 7 | 15 12 | 17 41 | 17 27 | 9 11 | | | n.a. |
| W30 | 22 32 | 5 52 | 3 32 | 19 0 | 0 21 | 21 49 | 1 26 | 13 34 | 0 40 | 20 26 | 0 12 | 24 3 | 0 20 | 22 57 | 0 38 | 0 11 | 2 6 | 35 7 | 15 12 | 17 40 | 17 27 | 9 9 | | | n.a. |
| T 31 | 22n23 | 1n44 | 4n15 | 18n29 | 0n14 | 21n32 | 1n26 | 13n46 | 0s39 | 20n29 | 0s12 | 24s 3 | 0s20 | 22n57 | 0n38 | 0n11 | 2n 5 | 35n 6 | 15n12 | 17n40 | 17n28 | 9n 7 | | | n.a. |

Julian Day Number = 996583.5, Delta T = 12h56m11s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°26'01, Lahiri = -31°19'01 Julian Calendar 1 July 1985 BCE == Greg. Calendar 14 June 1985 BCE

The year -1984 astronomical counting style corresponds to year 1985 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## AUGUST 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 32 11 | 21♋ 1'18 | 17♎17 | 10♌56 | 3♌ 6 | 8♉21 | 0♊43 | 22°R38 | 20♋34 | 4♎17 | 1♌ 4 | 11°R33 | 12♌11 | 13♍28 | n.a. | F 1 |
| S 2 | 19 36 8 | 21°59'57 | 29°27 | 12°24 | 4°20 | 8°55 | 0°54 | 22♐34 | 20°38 | 4°18 | 1° 7 | 11♌33 | 12° 7 | 13°35 | n.a. | S 2 |
| S 3 | 19 40 4 | 22°58'39 | 11♏54 | 13°52 | 5°35 | 9°29 | 1° 4 | 22°30 | 20°41 | 4°19 | 1° 9 | 11°32 | 12° 4 | 13°42 | n.a. | S 3 |
| M 4 | 19 44 1 | 23°57'22 | 24°42 | 15°19 | 6°50 | 10° 2 | 1°15 | 22°27 | 20°45 | 4°20 | 1°11 | 11°30 | 12° 1 | 13°48 | n.a. | M 4 |
| T 5 | 19 47 57 | 24°56'07 | 7♐54 | 16°44 | 8° 4 | 10°36 | 1°25 | 22°23 | 20°49 | 4°21 | 1°13 | 11°28 | 11°58 | 13°55 | n.a. | T 5 |
| W 6 | 19 51 54 | 25°54'55 | 21°31 | 18° 9 | 9°19 | 11°10 | 1°35 | 22°20 | 20°53 | 4°23 | 1°15 | 11°26 | 11°55 | 14° 2 | n.a. | W 6 |
| T 7 | 19 55 50 | 26°53'44 | 5♑32 | 19°32 | 10°34 | 11°43 | 1°46 | 22°17 | 20°57 | 4°24 | 1°18 | 11°24 | 11°51 | 14° 9 | n.a. | T 7 |
| F 8 | 19 59 47 | 27°52'35 | 19°55 | 20°53 | 11°48 | 12°16 | 1°56 | 22°13 | 21° 0 | 4°25 | 1°20 | 11°22 | 11°48 | 14°15 | n.a. | F 8 |
| S 9 | 20 3 44 | 28°51'29 | 4♒34 | 22°14 | 13° 3 | 12°49 | 2° 6 | 22°10 | 21° 4 | 4°26 | 1°22 | 11°D22 | 11°45 | 14°22 | n.a. | S 9 |
| S 10 | 20 7 40 | 29°50'24 | 19°23 | 23°33 | 14°18 | 13°22 | 2°16 | 22° 7 | 21° 8 | 4°27 | 1°24 | 11°22 | 11°42 | 14°29 | n.a. | S 10 |
| M11 | 20 11 37 | 0♌49'22 | 4♓14 | 24°51 | 15°33 | 13°55 | 2°25 | 22° 4 | 21°12 | 4°28 | 1°27 | 11°22 | 11°39 | 14°35 | n.a. | M11 |
| T 12 | 20 15 33 | 1°48'22 | 19° 0 | 26° 7 | 16°47 | 14°27 | 2°35 | 22° 1 | 21°15 | 4°30 | 1°29 | 11°23 | 11°36 | 14°42 | n.a. | T 12 |
| W13 | 20 19 30 | 2°47'25 | 3♈36 | 27°22 | 18° 2 | 14°59 | 2°45 | 21°58 | 21°19 | 4°31 | 1°31 | 11°24 | 11°32 | 14°49 | n.a. | W13 |
| T 14 | 20 23 26 | 3°46'30 | 17°56 | 28°35 | 19°17 | 15°31 | 2°54 | 21°55 | 21°23 | 4°32 | 1°33 | 11°24 | 11°29 | 14°55 | n.a. | T 14 |
| F 15 | 20 27 23 | 4°45'37 | 1♉58 | 29°47 | 20°31 | 16° 3 | 3° 3 | 21°53 | 21°27 | 4°33 | 1°36 | 11°R25 | 11°26 | 15° 2 | n.a. | F 15 |
| S 16 | 20 31 19 | 5°44'48 | 15°41 | 0♍57 | 21°46 | 16°35 | 3°13 | 21°50 | 21°30 | 4°35 | 1°38 | 11°25 | 11°23 | 15° 9 | n.a. | S 16 |
| S 17 | 20 35 16 | 6°44'00 | 29° 6 | 2° 5 | 23° 1 | 17° 7 | 3°22 | 21°47 | 21°34 | 4°36 | 1°40 | 11°24 | 11°20 | 15°15 | n.a. | S 17 |
| M18 | 20 39 12 | 7°43'16 | 12♊13 | 3°10 | 24°15 | 17°38 | 3°31 | 21°45 | 21°38 | 4°38 | 1°42 | 11°24 | 11°17 | 15°22 | n.a. | M18 |
| T 19 | 20 43 9 | 8°42'33 | 25° 4 | 4°14 | 25°30 | 18° 9 | 3°40 | 21°43 | 21°42 | 4°39 | 1°45 | 11°24 | 11°13 | 15°29 | n.a. | T 19 |
| W20 | 20 47 6 | 9°41'54 | 7♋42 | 5°15 | 26°45 | 18°40 | 3°48 | 21°40 | 21°45 | 4°41 | 1°47 | 11°23 | 11°10 | 15°35 | n.a. | W20 |
| T 21 | 20 51 2 | 10°41'16 | 20° 6 | 6°14 | 28° 0 | 19°11 | 3°57 | 21°38 | 21°49 | 4°42 | 1°49 | 11°23 | 11° 7 | 15°42 | n.a. | T 21 |
| F 22 | 20 54 59 | 11°40'41 | 2♌20 | 7°10 | 29°14 | 19°42 | 4° 5 | 21°36 | 21°52 | 4°44 | 1°51 | 11°D23 | 11° 4 | 15°49 | n.a. | F 22 |
| S 23 | 20 58 55 | 12°40'08 | 14°24 | 8° 3 | 0♍29 | 20°12 | 4°14 | 21°34 | 21°56 | 4°45 | 1°54 | 11°R23 | 11° 1 | 15°55 | n.a. | S 23 |
| S 24 | 21 2 52 | 13°39'37 | 26°21 | 8°52 | 1°44 | 20°42 | 4°22 | 21°32 | 22° 0 | 4°47 | 1°56 | 11°23 | 10°57 | 16° 2 | n.a. | S 24 |
| M25 | 21 6 48 | 14°39'09 | 8♍13 | 9°38 | 2°59 | 21°12 | 4°30 | 21°30 | 22° 3 | 4°48 | 1°58 | 11°23 | 10°54 | 16° 9 | n.a. | M25 |
| T 26 | 21 10 45 | 15°38'42 | 20° 2 | 10°20 | 4°13 | 21°41 | 4°38 | 21°28 | 22° 7 | 4°50 | 2° 0 | 11°22 | 10°51 | 16°15 | n.a. | T 26 |
| W27 | 21 14 41 | 16°38'18 | 1♎50 | 10°57 | 5°28 | 22°11 | 4°46 | 21°27 | 22°10 | 4°51 | 2° 2 | 11°22 | 10°48 | 16°22 | n.a. | W27 |
| T 28 | 21 18 38 | 17°37'55 | 13°41 | 11°30 | 6°43 | 22°40 | 4°54 | 21°25 | 22°14 | 4°53 | 2° 5 | 11°21 | 10°45 | 16°29 | n.a. | T 28 |
| F 29 | 21 22 34 | 18°37'35 | 25°39 | 11°57 | 7°57 | 23° 9 | 5° 1 | 21°24 | 22°17 | 4°55 | 2° 7 | 11°20 | 10°42 | 16°35 | n.a. | F 29 |
| S 30 | 21 26 31 | 19°37'16 | 7♏47 | 12°19 | 9°12 | 23°38 | 5° 9 | 21°22 | 22°21 | 4°56 | 2° 9 | 11°20 | 10°38 | 16°42 | n.a. | S 30 |
| S 31 | 21 30 27 | 20♌36'59 | 20♏10 | 12♍34 | 10♍27 | 24♉ 6 | 5♊16 | 21♐21 | 22♋24 | 4♎58 | 2♌11 | 11°D19 | 10♌35 | 16♍49 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n14 | 2s29 | 4n48 | 17n57 | 0n 7 | 21n15 | 1n26 | 13n58 | 0s38 | 20n31 | 0s12 | 24s 3 | 0s20 | 22n56 | 0n38 | 0n10 | 2n 5 | 35n 5 | 15n12 | 17n40 | 17n29 | 9n 5 | | n.a. |
| S 2 | 22 5 | 6 41 | 5 9 | 17 25 | 0s 1 | 20 57 | 1 26 | 14 10 | 0 38 | 20 34 | 0 12 | 24 3 | 0 20 | 22 56 | 0 38 | 0 10 | 2 5 | 35 5 | 15 12 | 17 40 | 17 30 | 9 3 | | n.a. |
| S 3 | 21 55 | 10 42 | 5 16 | 16 52 | 0 8 | 20 38 | 1 25 | 14 22 | 0 37 | 20 36 | 0 12 | 24 3 | 0 21 | 22 55 | 0 38 | 0 9 | 2 5 | 35 4 | 15 12 | 17 40 | 17 31 | 9 1 | | n.a. |
| M 4 | 21 45 | 14 21 | 5 8 | 16 19 | 0 16 | 20 18 | 1 25 | 14 33 | 0 36 | 20 38 | 0 11 | 24 3 | 0 21 | 22 55 | 0 38 | 0 9 | 2 5 | 35 4 | 15 12 | 17 41 | 17 32 | 8 59 | | n.a. |
| T 5 | 21 34 | 17 24 | 4 43 | 15 45 | 0 24 | 19 58 | 1 24 | 14 45 | 0 35 | 20 40 | 0 11 | 24 2 | 0 21 | 22 54 | 0 38 | 0 9 | 2 5 | 35 3 | 15 12 | 17 41 | 17 33 | 8 57 | | n.a. |
| W 6 | 21 23 | 19 37 | 4 2 | 15 12 | 0 32 | 19 38 | 1 24 | 14 56 | 0 34 | 20 43 | 0 11 | 24 2 | 0 21 | 22 53 | 0 38 | 0 8 | 2 5 | 35 3 | 15 12 | 17 42 | 17 34 | 8 56 | | n.a. |
| T 7 | 21 12 | 20 43 | 3 6 | 14 38 | 0 40 | 19 16 | 1 23 | 15 7 | 0 33 | 20 45 | 0 11 | 24 2 | 0 21 | 22 53 | 0 38 | 0 8 | 2 5 | 35 2 | 15 12 | 17 42 | 17 35 | 8 54 | | n.a. |
| F 8 | 21 0 | 20 30 | 1 56 | 14 4 | 0 48 | 18 55 | 1 23 | 15 19 | 0 33 | 20 47 | 0 11 | 24 2 | 0 21 | 22 52 | 0 38 | 0 7 | 2 5 | 35 1 | 15 12 | 17 43 | 17 36 | 8 52 | | n.a. |
| S 9 | 20 48 | 18 54 | 0 38 | 13 30 | 0 56 | 18 32 | 1 22 | 15 30 | 0 32 | 20 49 | 0 11 | 24 2 | 0 21 | 22 52 | 0 38 | 0 6 | 2 5 | 35 1 | 15 12 | 17 43 | 17 36 | 8 50 | | n.a. |
| S 10 | 20 35 | 16 0 | 0s44 | 12 56 | 1 4 | 18 10 | 1 21 | 15 41 | 0 31 | 20 51 | 0 11 | 24 2 | 0 21 | 22 51 | 0 38 | 0 6 | 2 5 | 35 0 | 15 12 | 17 43 | 17 37 | 8 48 | | n.a. |
| M11 | 20 23 | 12 4 | 2 4 | 12 22 | 1 12 | 17 46 | 1 20 | 15 51 | 0 30 | 20 53 | 0 11 | 24 2 | 0 21 | 22 50 | 0 38 | 0 5 | 2 5 | 35 0 | 15 12 | 17 43 | 17 38 | 8 46 | | n.a. |
| T 12 | 20 9 | 7 24 | 3 14 | 11 49 | 1 20 | 17 23 | 1 19 | 16 2 | 0 29 | 20 55 | 0 11 | 24 2 | 0 21 | 22 50 | 0 38 | 0 5 | 2 5 | 34 59 | 15 12 | 17 43 | 17 39 | 8 44 | | n.a. |
| W13 | 19 56 | 2 22 | 4 11 | 11 15 | 1 28 | 16 58 | 1 18 | 16 13 | 0 28 | 20 57 | 0 11 | 24 2 | 0 21 | 22 49 | 0 38 | 0 4 | 2 5 | 34 59 | 15 12 | 17 42 | 17 40 | 8 42 | | n.a. |
| T 14 | 19 42 | 2n42 | 4 51 | 10 42 | 1 36 | 16 34 | 1 17 | 16 23 | 0 27 | 20 59 | 0 11 | 24 1 | 0 21 | 22 49 | 0 38 | 0 4 | 2 5 | 34 58 | 15 12 | 17 42 | 17 41 | 8 40 | | n.a. |
| F 15 | 19 27 | 7 30 | 5 13 | 10 9 | 1 44 | 16 8 | 1 16 | 16 33 | 0 26 | 21 1 | 0 10 | 24 1 | 0 21 | 22 48 | 0 38 | 0 3 | 2 4 | 34 58 | 15 13 | 17 42 | 17 42 | 8 38 | | n.a. |
| S 16 | 19 13 | 11 49 | 5 17 | 9 37 | 1 52 | 15 43 | 1 15 | 16 44 | 0 25 | 21 3 | 0 10 | 24 1 | 0 21 | 22 48 | 0 38 | 0 2 | 2 4 | 34 57 | 15 13 | 17 42 | 17 43 | 8 36 | | n.a. |
| S 17 | 18 58 | 15 26 | 5 3 | 9 5 | 2 0 | 15 17 | 1 14 | 16 54 | 0 24 | 21 5 | 0 10 | 24 1 | 0 22 | 22 47 | 0 38 | 0 2 | 2 4 | 34 57 | 15 13 | 17 42 | 17 44 | 8 34 | | n.a. |
| M18 | 18 42 | 18 12 | 4 33 | 8 34 | 2 8 | 14 50 | 1 13 | 17 3 | 0 23 | 21 7 | 0 10 | 24 1 | 0 22 | 22 46 | 0 38 | 0 1 | 2 4 | 34 57 | 15 13 | 17 42 | 17 45 | 8 32 | | n.a. |
| T 19 | 18 27 | 20 0 | 3 50 | 8 3 | 2 15 | 14 23 | 1 11 | 17 13 | 0 22 | 21 9 | 0 10 | 24 1 | 0 22 | 22 46 | 0 38 | 0 1 | 2 4 | 34 56 | 15 13 | 17 43 | 17 45 | 8 30 | | n.a. |
| W20 | 18 11 | 20 45 | 2 57 | 7 34 | 2 23 | 13 56 | 1 10 | 17 23 | 0 22 | 21 10 | 0 10 | 24 1 | 0 22 | 22 45 | 0 38 | 0s 0 | 2 4 | 34 56 | 15 13 | 17 43 | 17 46 | 8 28 | | n.a. |
| T 21 | 17 54 | 20 29 | 1 56 | 7 5 | 2 30 | 13 29 | 1 8 | 17 33 | 0 21 | 21 12 | 0 10 | 24 1 | 0 22 | 22 45 | 0 38 | 0 1 | 2 4 | 34 55 | 15 13 | 17 43 | 17 47 | 8 26 | | n.a. |
| F 22 | 17 38 | 19 13 | 0 50 | 6 38 | 2 37 | 13 1 | 1 7 | 17 42 | 0 19 | 21 14 | 0 10 | 24 1 | 0 22 | 22 44 | 0 38 | 0 1 | 2 4 | 34 55 | 15 13 | 17 43 | 17 48 | 8 24 | | n.a. |
| S 23 | 17 21 | 17 6 | 0n17 | 6 12 | 2 44 | 12 32 | 1 5 | 17 51 | 0 18 | 21 16 | 0 10 | 24 1 | 0 22 | 22 43 | 0 38 | 0 2 | 2 4 | 34 54 | 15 13 | 17 43 | 17 49 | 8 22 | | n.a. |
| S 24 | 17 3 | 14 16 | 1 22 | 5 47 | 2 50 | 12 4 | 1 4 | 18 0 | 0 17 | 21 17 | 0 10 | 24 1 | 0 22 | 22 43 | 0 38 | 0 3 | 2 4 | 34 54 | 15 14 | 17 43 | 17 50 | 8 20 | | n.a. |
| M25 | 16 46 | 10 52 | 2 24 | 5 24 | 2 56 | 11 35 | 1 2 | 18 9 | 0 16 | 21 19 | 0 9 | 24 1 | 0 22 | 22 42 | 0 38 | 0 3 | 2 4 | 34 53 | 15 14 | 17 43 | 17 51 | 8 18 | | n.a. |
| T 26 | 16 28 | 7 4 | 3 19 | 5 3 | 3 2 | 11 5 | 1 0 | 18 18 | 0 15 | 21 20 | 0 9 | 24 0 | 0 22 | 22 42 | 0 38 | 0 4 | 2 4 | 34 53 | 15 14 | 17 43 | 17 52 | 8 16 | | n.a. |
| W27 | 16 10 | 2 59 | 4 5 | 4 44 | 3 7 | 10 36 | 0 58 | 18 27 | 0 14 | 21 22 | 0 9 | 24 0 | 0 22 | 22 41 | 0 38 | 0 5 | 2 4 | 34 53 | 15 14 | 17 43 | 17 53 | 8 14 | | n.a. |
| T 28 | 15 51 | 1s12 | 4 41 | 4 27 | 3 12 | 10 6 | 0 57 | 18 36 | 0 13 | 21 23 | 0 9 | 24 0 | 0 22 | 22 41 | 0 38 | 0 6 | 2 4 | 34 52 | 15 14 | 17 43 | 17 53 | 8 12 | | n.a. |
| F 29 | 15 33 | 5 22 | 5 6 | 4 13 | 3 16 | 9 36 | 0 55 | 18 44 | 0 12 | 21 25 | 0 9 | 24 0 | 0 22 | 22 40 | 0 38 | 0 6 | 2 4 | 34 52 | 15 14 | 17 44 | 17 54 | 8 10 | | n.a. |
| S 30 | 15 14 | 9 24 | 5 17 | 4 1 | 3 19 | 9 5 | 0 53 | 18 53 | 0 11 | 21 26 | 0 9 | 24 0 | 0 22 | 22 39 | 0 39 | 0 7 | 2 4 | 34 52 | 15 15 | 17 44 | 17 55 | 8 8 | | n.a. |
| S 31 | 14n55 | 13s 7 | 5n14 | 3n53 | 3s21 | 8n35 | 0n51 | 19n 1 | 0s10 | 21n28 | 0s 9 | 24s 0 | 0s22 | 22n39 | 0n39 | 0s 8 | 2n 4 | 34n51 | 15n15 | 17n44 | 17n56 | 8n 6 | | n.a. |

Julian Day Number = 996614.5, Delta T = 12h56m08s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'57, Lahiri = -31°18'57 Julian Calendar 1 Aug. 1985 BCE == Greg. Calendar 15 July 1985 BCE

The year -1984 astronomical counting style corresponds to year 1985 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## SEPTEMBER 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 34 24 | 21♌36'45 | 2♐52 | 12♍43 | 11♍41 | 24♉34 | 5♊23 | 21°R20 | 22♋28 | 5♎ 0 | 2♌13 | 11♌20 | 10♌32 | 16♍55 | n.a. | M 1 |
| T 2 | 21 38 21 | 22°36'32 | 15°58 | 12°R45 | 12°56 | 25° 2 | 5°30 | 21♐19 | 22°31 | 5° 2 | 2°15 | 11°20 | 10°29 | 17° 2 | n.a. | T 2 |
| W 3 | 21 42 17 | 23°36'21 | 29°29 | 12°38 | 14°11 | 25°30 | 5°37 | 21°18 | 22°35 | 5° 4 | 2°17 | 11°21 | 10°26 | 17° 9 | n.a. | W 3 |
| T 4 | 21 46 14 | 24°36'12 | 13♑27 | 12°24 | 15°25 | 25°57 | 5°44 | 21°17 | 22°38 | 5° 5 | 2°20 | 11°22 | 10°22 | 17°15 | n.a. | T 4 |
| F 5 | 21 50 10 | 25°36'05 | 27°52 | 12° 1 | 16°40 | 26°24 | 5°51 | 21°17 | 22°41 | 5° 7 | 2°22 | 11°23 | 10°19 | 17°22 | n.a. | F 5 |
| S 6 | 21 54 7 | 26°36'00 | 12♒39 | 11°29 | 17°55 | 26°51 | 5°57 | 21°16 | 22°45 | 5° 9 | 2°24 | 11°R23 | 10°16 | 17°29 | n.a. | S 6 |
| S 7 | 21 58 3 | 27°35'57 | 27°43 | 10°48 | 19° 9 | 27°18 | 6° 3 | 21°15 | 22°48 | 5°11 | 2°26 | 11°23 | 10°13 | 17°35 | n.a. | S 7 |
| M 8 | 22 2 0 | 28°35'56 | 12♓54 | 9°59 | 20°24 | 27°44 | 6° 9 | 21°15 | 22°51 | 5°13 | 2°28 | 11°22 | 10°10 | 17°42 | n.a. | M 8 |
| T 9 | 22 5 56 | 29°35'57 | 28° 3 | 9° 1 | 21°38 | 28°10 | 6°15 | 21°15 | 22°55 | 5°15 | 2°30 | 11°19 | 10° 7 | 17°49 | n.a. | T 9 |
| W10 | 22 9 53 | 0♍36'00 | 13♈ 1 | 7°56 | 22°53 | 28°36 | 6°21 | 21°14 | 22°58 | 5°17 | 2°32 | 11°17 | 10° 3 | 17°55 | n.a. | W10 |
| T 11 | 22 13 49 | 1°36'05 | 27°40 | 6°46 | 24° 8 | 29° 1 | 6°27 | 21°14 | 23° 1 | 5°19 | 2°34 | 11°14 | 10° 0 | 18° 2 | n.a. | T 11 |
| F 12 | 22 17 46 | 2°36'13 | 11♉55 | 5°31 | 25°22 | 29°26 | 6°32 | 21°D14 | 23° 4 | 5°21 | 2°36 | 11°12 | 9°57 | 18° 9 | n.a. | F 12 |
| S 13 | 22 21 43 | 3°36'23 | 25°43 | 4°14 | 26°37 | 29°51 | 6°38 | 21°14 | 23° 7 | 5°22 | 2°38 | 11°11 | 9°54 | 18°15 | n.a. | S 13 |
| S 14 | 22 25 39 | 4°36'36 | 9♊ 7 | 2°58 | 27°51 | 0♊16 | 6°43 | 21°14 | 23°10 | 5°24 | 2°40 | 11°D11 | 9°51 | 18°22 | n.a. | S 14 |
| M15 | 22 29 36 | 5°36'51 | 22° 6 | 1°44 | 29° 6 | 0°40 | 6°48 | 21°15 | 23°13 | 5°26 | 2°42 | 11°12 | 9°48 | 18°29 | n.a. | M15 |
| T 16 | 22 33 32 | 6°37'08 | 4♋46 | 0°34 | 0♎20 | 1° 4 | 6°53 | 21°15 | 23°16 | 5°29 | 2°44 | 11°13 | 9°44 | 18°35 | n.a. | T 16 |
| W17 | 22 37 29 | 7°37'27 | 17° 9 | 29♌32 | 1°35 | 1°27 | 6°57 | 21°16 | 23°19 | 5°31 | 2°46 | 11°15 | 9°41 | 18°42 | n.a. | W17 |
| T 18 | 22 41 25 | 8°37'49 | 29°20 | 28°39 | 2°49 | 1°50 | 7° 2 | 21°16 | 23°22 | 5°33 | 2°48 | 11°17 | 9°38 | 18°49 | n.a. | T 18 |
| F 19 | 22 45 22 | 9°38'12 | 11♌21 | 27°55 | 4° 4 | 2°13 | 7° 6 | 21°17 | 23°25 | 5°35 | 2°50 | 11°R17 | 9°35 | 18°55 | n.a. | F 19 |
| S 20 | 22 49 18 | 10°38'38 | 23°16 | 27°23 | 5°18 | 2°35 | 7°10 | 21°18 | 23°28 | 5°37 | 2°52 | 11°17 | 9°32 | 19° 2 | n.a. | S 20 |
| S 21 | 22 53 15 | 11°39'05 | 5♍ 7 | 27° 3 | 6°33 | 2°57 | 7°14 | 21°19 | 23°31 | 5°39 | 2°53 | 11°14 | 9°28 | 19° 9 | n.a. | S 21 |
| M22 | 22 57 12 | 12°39'34 | 16°56 | 26°D54 | 7°47 | 3°18 | 7°18 | 21°20 | 23°34 | 5°41 | 2°55 | 11°10 | 9°25 | 19°15 | n.a. | M22 |
| T 23 | 23 1 8 | 13°40'05 | 28°45 | 26°56 | 9° 2 | 3°40 | 7°22 | 21°21 | 23°37 | 5°43 | 2°57 | 11° 5 | 9°22 | 19°22 | n.a. | T 23 |
| W24 | 23 5 5 | 14°40'38 | 10♎36 | 27° 9 | 10°16 | 4° 0 | 7°25 | 21°22 | 23°39 | 5°45 | 2°59 | 10°59 | 9°19 | 19°29 | n.a. | W24 |
| T 25 | 23 9 1 | 15°41'13 | 22°31 | 27°33 | 11°31 | 4°21 | 7°28 | 21°23 | 23°42 | 5°47 | 3° 1 | 10°52 | 9°16 | 19°35 | n.a. | T 25 |
| F 26 | 23 12 58 | 16°41'49 | 4♏33 | 28° 6 | 12°45 | 4°41 | 7°31 | 21°25 | 23°45 | 5°50 | 3° 2 | 10°46 | 9°13 | 19°42 | n.a. | F 26 |
| S 27 | 23 16 54 | 17°42'26 | 16°43 | 28°47 | 13°59 | 5° 0 | 7°34 | 21°26 | 23°47 | 5°52 | 3° 4 | 10°40 | 9° 9 | 19°49 | n.a. | S 27 |
| S 28 | 23 20 51 | 18°43'05 | 29° 5 | 29°36 | 15°14 | 5°19 | 7°37 | 21°28 | 23°50 | 5°54 | 3° 6 | 10°37 | 9° 6 | 19°56 | n.a. | S 28 |
| M29 | 23 24 47 | 19°43'46 | 11♐43 | 0♍31 | 16°28 | 5°38 | 7°39 | 21°30 | 23°53 | 5°56 | 3° 8 | 10°35 | 9° 3 | 20° 2 | n.a. | M29 |
| T 30 | 23 28 44 | 20♍44'28 | 24♐40 | 1♍33 | 17♎43 | 5♊56 | 7♊41 | 21♐32 | 23♋55 | 5♎58 | 3♌ 9 | 10°D34 | 9♌ 0 | 20♍ 9 | n.a. | T 30 |

| Day | ☉ | | ☽ | | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | | decl | lat | | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14n35 | 16s20 | 4n55 | 3n49 | 3s22 | 8n 4 | 0n49 | 19n 9 | 0s 9 | 21n29 | 0s 9 | 24s 0 | 0s22 | 22n38 | 0n39 | 0s 8 | 2n 4 | 34n51 | 15n15 | 17n44 | 17n57 | 8n 4 | | | n.a. |
| T 2 | 14 15 | 18 50 | 4 21 | 3 48 | 3 23 | 7 33 | 0 47 | 19 17 | 0 7 | 21 31 | 0 9 | 24 0 | 0 23 | 22 38 | 0 39 | 0 9 | 2 4 | 34 51 | 15 15 | 17 44 | 17 58 | 8 2 | | | n.a. |
| W 3 | 13 55 | 20 23 | 3 32 | 3 51 | 3 22 | 7 2 | 0 44 | 19 25 | 0 6 | 21 32 | 0 9 | 24 0 | 0 23 | 22 37 | 0 39 | 0 10 | 2 3 | 34 50 | 15 15 | 17 43 | 17 59 | 8 0 | | | n.a. |
| T 4 | 13 35 | 20 45 | 2 29 | 3 59 | 3 19 | 6 30 | 0 42 | 19 33 | 0 5 | 21 33 | 0 8 | 24 0 | 0 23 | 22 37 | 0 39 | 0 11 | 2 3 | 34 50 | 15 16 | 17 43 | 18 0 | 7 58 | | | n.a. |
| F 5 | 13 15 | 19 48 | 1 14 | 4 12 | 3 15 | 5 59 | 0 40 | 19 41 | 0 4 | 21 35 | 0 8 | 24 0 | 0 23 | 22 36 | 0 39 | 0 12 | 2 3 | 34 50 | 15 16 | 17 43 | 18 0 | 7 56 | | | n.a. |
| S 6 | 12 54 | 17 28 | 0s 7 | 4 29 | 3 10 | 5 27 | 0 38 | 19 48 | 0 3 | 21 36 | 0 8 | 24 0 | 0 23 | 22 36 | 0 39 | 0 12 | 2 3 | 34 49 | 15 16 | 17 43 | 18 1 | 7 54 | | | n.a. |
| S 7 | 12 33 | 13 54 | 1 29 | 4 52 | 3 2 | 4 55 | 0 36 | 19 56 | 0 1 | 21 37 | 0 8 | 24 0 | 0 23 | 22 35 | 0 39 | 0 13 | 2 3 | 34 49 | 15 16 | 17 43 | 18 2 | 7 52 | | | n.a. |
| M 8 | 12 12 | 9 23 | 2 46 | 5 19 | 2 53 | 4 23 | 0 33 | 20 3 | 0 0 | 21 38 | 0 8 | 24 0 | 0 23 | 22 35 | 0 39 | 0 14 | 2 3 | 34 49 | 15 17 | 17 43 | 18 3 | 7 50 | | | n.a. |
| T 9 | 11 50 | 4 18 | 3 50 | 5 52 | 2 41 | 3 51 | 0 31 | 20 10 | 0n 1 | 21 39 | 0 8 | 24 0 | 0 23 | 22 34 | 0 39 | 0 15 | 2 3 | 34 48 | 15 17 | 17 44 | 18 4 | 7 48 | | | n.a. |
| W10 | 11 29 | 0n59 | 4 38 | 6 29 | 2 28 | 3 19 | 0 28 | 20 17 | 0 2 | 21 41 | 0 8 | 24 0 | 0 23 | 22 34 | 0 39 | 0 16 | 2 3 | 34 48 | 15 17 | 17 44 | 18 5 | 7 46 | | | n.a. |
| T 11 | 11 7 | 6 5 | 5 7 | 7 9 | 2 13 | 2 46 | 0 26 | 20 24 | 0 4 | 21 42 | 0 8 | 24 0 | 0 23 | 22 33 | 0 39 | 0 16 | 2 3 | 34 48 | 15 17 | 17 45 | 18 6 | 7 44 | | | n.a. |
| F 12 | 10 45 | 10 43 | 5 16 | 7 53 | 1 56 | 2 14 | 0 23 | 20 31 | 0 5 | 21 43 | 0 8 | 24 0 | 0 23 | 22 32 | 0 39 | 0 17 | 2 3 | 34 48 | 15 18 | 17 46 | 18 7 | 7 42 | | | n.a. |
| S 13 | 10 23 | 14 38 | 5 6 | 8 38 | 1 37 | 1 42 | 0 21 | 20 38 | 0 6 | 21 44 | 0 8 | 24 1 | 0 23 | 22 32 | 0 39 | 0 18 | 2 3 | 34 47 | 15 18 | 17 46 | 18 7 | 7 40 | | | n.a. |
| S 14 | 10 1 | 17 40 | 4 39 | 9 25 | 1 18 | 1 9 | 0 18 | 20 44 | 0 8 | 21 45 | 0 7 | 24 1 | 0 23 | 22 31 | 0 39 | 0 19 | 2 3 | 34 47 | 15 18 | 17 46 | 18 8 | 7 38 | | | n.a. |
| M15 | 9 38 | 19 43 | 3 59 | 10 11 | 0 58 | 0 37 | 0 16 | 20 51 | 0 9 | 21 46 | 0 7 | 24 1 | 0 23 | 22 31 | 0 39 | 0 20 | 2 3 | 34 47 | 15 19 | 17 46 | 18 9 | 7 36 | | | n.a. |
| T 16 | 9 16 | 20 42 | 3 8 | 10 55 | 0 37 | 0 4 | 0 13 | 20 57 | 0 11 | 21 47 | 0 7 | 24 1 | 0 23 | 22 30 | 0 39 | 0 21 | 2 3 | 34 47 | 15 19 | 17 45 | 18 10 | 7 34 | | | n.a. |
| W17 | 8 53 | 20 40 | 2 9 | 11 36 | 0 17 | 0s29 | 0 11 | 21 4 | 0 12 | 21 48 | 0 7 | 24 1 | 0 23 | 22 30 | 0 39 | 0 21 | 2 3 | 34 47 | 15 19 | 17 45 | 18 11 | 7 32 | | | n.a. |
| T 18 | 8 30 | 19 38 | 1 5 | 12 14 | 0n 3 | 1 1 | 0 8 | 21 10 | 0 13 | 21 48 | 0 7 | 24 1 | 0 23 | 22 30 | 0 39 | 0 22 | 2 3 | 34 46 | 15 20 | 17 44 | 18 12 | 7 30 | | | n.a. |
| F 19 | 8 7 | 17 44 | 0n 0 | 12 47 | 0 22 | 1 34 | 0 5 | 21 16 | 0 15 | 21 49 | 0 7 | 24 1 | 0 23 | 22 29 | 0 39 | 0 23 | 2 3 | 34 46 | 15 20 | 17 44 | 18 13 | 7 28 | | | n.a. |
| S 20 | 7 43 | 15 4 | 1 5 | 13 15 | 0 40 | 2 6 | 0 3 | 21 22 | 0 16 | 21 50 | 0 7 | 24 1 | 0 23 | 22 29 | 0 39 | 0 24 | 2 3 | 34 46 | 15 20 | 17 45 | 18 14 | 7 26 | | | n.a. |
| S 21 | 7 20 | 11 47 | 2 7 | 13 37 | 0 56 | 2 39 | 0 0 | 21 28 | 0 18 | 21 51 | 0 7 | 24 1 | 0 23 | 22 28 | 0 39 | 0 25 | 2 3 | 34 46 | 15 21 | 17 45 | 18 14 | 7 24 | | | n.a. |
| M22 | 6 56 | 8 3 | 3 3 | 13 54 | 1 11 | 3 11 | 0s 3 | 21 33 | 0 19 | 21 52 | 0 7 | 24 1 | 0 24 | 22 28 | 0 39 | 0 26 | 2 3 | 34 46 | 15 21 | 17 46 | 18 15 | 7 22 | | | n.a. |
| T 23 | 6 33 | 4 1 | 3 51 | 14 5 | 1 24 | 3 44 | 0 5 | 21 39 | 0 21 | 21 52 | 0 6 | 24 1 | 0 24 | 22 27 | 0 39 | 0 27 | 2 3 | 34 46 | 15 21 | 17 48 | 18 16 | 7 20 | | | n.a. |
| W24 | 6 9 | 0s10 | 4 29 | 14 11 | 1 35 | 4 16 | 0 8 | 21 44 | 0 22 | 21 53 | 0 6 | 24 2 | 0 24 | 22 27 | 0 39 | 0 28 | 2 3 | 34 46 | 15 22 | 17 50 | 18 17 | 7 17 | | | n.a. |
| T 25 | 5 45 | 4 23 | 4 55 | 14 12 | 1 45 | 4 48 | 0 11 | 21 50 | 0 24 | 21 54 | 0 6 | 24 2 | 0 24 | 22 26 | 0 39 | 0 28 | 2 3 | 34 46 | 15 22 | 17 51 | 18 18 | 7 15 | | | n.a. |
| F 26 | 5 21 | 8 27 | 5 9 | 14 8 | 1 53 | 5 21 | 0 14 | 21 55 | 0 26 | 21 54 | 0 6 | 24 2 | 0 24 | 22 26 | 0 39 | 0 29 | 2 3 | 34 45 | 15 22 | 17 53 | 18 19 | 7 13 | | | n.a. |
| S 27 | 4 57 | 12 14 | 5 9 | 14 0 | 2 0 | 5 53 | 0 16 | 22 0 | 0 27 | 21 55 | 0 6 | 24 2 | 0 24 | 22 25 | 0 39 | 0 30 | 2 3 | 34 45 | 15 23 | 17 55 | 18 20 | 7 11 | | | n.a. |
| S 28 | 4 33 | 15 34 | 4 55 | 13 47 | 2 5 | 6 24 | 0 19 | 22 6 | 0 29 | 21 55 | 0 6 | 24 2 | 0 24 | 22 25 | 0 39 | 0 31 | 2 3 | 34 45 | 15 23 | 17 56 | 18 20 | 7 9 | | | n.a. |
| M29 | 4 9 | 18 15 | 4 26 | 13 31 | 2 9 | 6 56 | 0 22 | 22 11 | 0 31 | 21 56 | 0 6 | 24 2 | 0 24 | 22 25 | 0 39 | 0 32 | 2 3 | 34 45 | 15 24 | 17 56 | 18 21 | 7 7 | | | n.a. |
| T 30 | 3n44 | 20s 5 | 3n44 | 13n11 | 2n12 | 7s28 | 0s25 | 22n16 | 0n32 | 21n56 | 0s 6 | 24s 2 | 0s24 | 22n24 | 0n39 | 0s33 | 2n 3 | 34n45 | 15n24 | 17n56 | 18n22 | 7n 5 | | | n.a. |

Julian Day Number = 996645.5, Delta T = 12h56m06s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'53, Lahiri = -31°18'52 Julian Calendar 1 Sept. 1985 BCE == Greg. Calendar 15 Aug. 1985 BCE

The year -1984 astronomical counting style corresponds to year 1985 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## OCTOBER 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 32 40 | 21♍45'11 | 8♉ 0 | 2♍39 | 18♎57 | 6♊13 | 7♊44 | 21♐34 | 23♋57 | 6♎ 0 | 3♌11 | 10♌35 | 8♌57 | 20♍16 | n.a. | W 1 |
| T 2 | 23 36 37 | 22°45'55 | 21°46 | 3°50 | 20°11 | 6°30 | 7°45 | 21°36 | 24° 0 | 6° 3 | 3°12 | 10°37 | 8°54 | 20°22 | n.a. | T 2 |
| F 3 | 23 40 34 | 23°46'41 | 5♒59 | 5° 5 | 21°26 | 6°47 | 7°47 | 21°38 | 24° 2 | 6° 5 | 3°14 | 10°R38 | 8°50 | 20°29 | n.a. | F 3 |
| S 4 | 23 44 30 | 24°47'28 | 20°38 | 6°23 | 22°40 | 7° 3 | 7°49 | 21°40 | 24° 5 | 6° 7 | 3°16 | 10°38 | 8°47 | 20°36 | n.a. | S 4 |
| S 5 | 23 48 27 | 25°48'17 | 5♓38 | 7°43 | 23°54 | 7°19 | 7°50 | 21°43 | 24° 7 | 6° 9 | 3°17 | 10°35 | 8°44 | 20°42 | n.a. | S 5 |
| M 6 | 23 52 23 | 26°49'06 | 20°53 | 9° 6 | 25° 8 | 7°34 | 7°51 | 21°45 | 24° 9 | 6°12 | 3°19 | 10°31 | 8°41 | 20°49 | n.a. | M 6 |
| T 7 | 23 56 20 | 27°49'57 | 6♈11 | 10°31 | 26°23 | 7°49 | 7°52 | 21°48 | 24°11 | 6°14 | 3°20 | 10°24 | 8°38 | 20°56 | n.a. | T 7 |
| W 8 | 0 0 16 | 28°50'50 | 21°23 | 11°58 | 27°37 | 8° 3 | 7°53 | 21°50 | 24°13 | 6°16 | 3°22 | 10°17 | 8°34 | 21° 2 | n.a. | W 8 |
| T 9 | 0 4 13 | 29°51'44 | 6♉18 | 13°26 | 28°51 | 8°16 | 7°53 | 21°53 | 24°15 | 6°18 | 3°23 | 10° 9 | 8°31 | 21° 9 | n.a. | T 9 |
| F 10 | 0 8 9 | 0♎52'39 | 20°48 | 14°55 | 0♏ 5 | 8°29 | 7°54 | 21°56 | 24°18 | 6°21 | 3°25 | 10° 2 | 8°28 | 21°16 | n.a. | F 10 |
| S 11 | 0 12 6 | 1°53'36 | 4♊49 | 16°25 | 1°19 | 8°42 | 7°R54 | 21°59 | 24°20 | 6°23 | 3°26 | 9°57 | 8°25 | 21°22 | n.a. | S 11 |
| S 12 | 0 16 3 | 2°54'35 | 18°19 | 17°55 | 2°33 | 8°54 | 7°54 | 22° 2 | 24°21 | 6°25 | 3°27 | 9°53 | 8°22 | 21°29 | n.a. | S 12 |
| M13 | 0 19 59 | 3°55'36 | 1♋22 | 19°27 | 3°47 | 9° 5 | 7°53 | 22° 5 | 24°23 | 6°27 | 3°29 | 9°D52 | 8°19 | 21°36 | n.a. | M13 |
| T 14 | 0 23 56 | 4°56'37 | 14° 0 | 20°59 | 5° 1 | 9°15 | 7°53 | 22° 8 | 24°25 | 6°30 | 3°30 | 9°52 | 8°15 | 21°42 | n.a. | T 14 |
| W15 | 0 27 52 | 5°57'41 | 26°19 | 22°31 | 6°16 | 9°25 | 7°52 | 22°11 | 24°27 | 6°32 | 3°31 | 9°53 | 8°12 | 21°49 | n.a. | W15 |
| T 16 | 0 31 49 | 6°58'45 | 8♌23 | 24° 4 | 7°30 | 9°35 | 7°51 | 22°15 | 24°29 | 6°34 | 3°32 | 9°R54 | 8° 9 | 21°56 | n.a. | T 16 |
| F 17 | 0 35 45 | 7°59'51 | 20°18 | 25°36 | 8°44 | 9°43 | 7°50 | 22°18 | 24°30 | 6°36 | 3°34 | 9°53 | 8° 6 | 22° 2 | n.a. | F 17 |
| S 18 | 0 39 42 | 9° 0'58 | 2♍ 7 | 27° 9 | 9°58 | 9°51 | 7°49 | 22°22 | 24°32 | 6°39 | 3°35 | 9°51 | 8° 3 | 22° 9 | n.a. | S 18 |
| S 19 | 0 43 38 | 10° 2'07 | 13°55 | 28°43 | 11°12 | 9°59 | 7°48 | 22°26 | 24°34 | 6°41 | 3°36 | 9°45 | 7°59 | 22°16 | n.a. | S 19 |
| M20 | 0 47 35 | 11° 3'16 | 25°44 | 0♎16 | 12°25 | 10° 5 | 7°46 | 22°29 | 24°35 | 6°43 | 3°37 | 9°37 | 7°56 | 22°23 | n.a. | M20 |
| T 21 | 0 51 32 | 12° 4'26 | 7♎36 | 1°49 | 13°39 | 10°11 | 7°44 | 22°33 | 24°37 | 6°45 | 3°38 | 9°26 | 7°53 | 22°29 | n.a. | T 21 |
| W22 | 0 55 28 | 13° 5'38 | 19°33 | 3°23 | 14°53 | 10°17 | 7°42 | 22°37 | 24°38 | 6°48 | 3°39 | 9°14 | 7°50 | 22°36 | n.a. | W22 |
| T 23 | 0 59 25 | 14° 6'50 | 1♏37 | 4°56 | 16° 7 | 10°21 | 7°40 | 22°41 | 24°40 | 6°50 | 3°40 | 9° 1 | 7°47 | 22°43 | n.a. | T 23 |
| F 24 | 1 3 21 | 15° 8'03 | 13°48 | 6°30 | 17°21 | 10°25 | 7°37 | 22°45 | 24°41 | 6°52 | 3°41 | 8°48 | 7°44 | 22°49 | n.a. | F 24 |
| S 25 | 1 7 18 | 16° 9'17 | 26° 8 | 8° 4 | 18°35 | 10°28 | 7°35 | 22°50 | 24°42 | 6°54 | 3°42 | 8°37 | 7°40 | 22°56 | n.a. | S 25 |
| S 26 | 1 11 14 | 17°10'31 | 8♐37 | 9°37 | 19°49 | 10°30 | 7°32 | 22°54 | 24°43 | 6°57 | 3°43 | 8°28 | 7°37 | 23° 3 | n.a. | S 26 |
| M27 | 1 15 11 | 18°11'46 | 21°19 | 11°11 | 21° 2 | 10°32 | 7°29 | 22°58 | 24°45 | 6°59 | 3°44 | 8°22 | 7°34 | 23° 9 | n.a. | M27 |
| T 28 | 1 19 7 | 19°13'02 | 4♑15 | 12°45 | 22°16 | 10°R32 | 7°26 | 23° 3 | 24°46 | 7° 1 | 3°45 | 8°19 | 7°31 | 23°16 | n.a. | T 28 |
| W29 | 1 23 4 | 20°14'17 | 17°29 | 14°19 | 23°30 | 10°32 | 7°22 | 23° 7 | 24°47 | 7° 3 | 3°46 | 8°D18 | 7°28 | 23°23 | n.a. | W29 |
| T 30 | 1 27 1 | 21°15'33 | 1♒ 4 | 15°53 | 24°43 | 10°32 | 7°19 | 23°12 | 24°48 | 7° 6 | 3°47 | 8°R18 | 7°25 | 23°29 | n.a. | T 30 |
| F 31 | 1 30 57 | 22♎16'50 | 15♒ 1 | 17♎27 | 25♏57 | 10♊30 | 7♊15 | 23♐16 | 24♋49 | 7♎ 8 | 3♌48 | 8♌18 | 7♌21 | 23♍36 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 3n20 | 20s53 | 2n48 | 12n48 | 2n13 | 7s59 | 0s27 | 22n20 | 0n34 | 21n57 | 0s 5 | 24s 3 | 0s24 | 22n24 | 0n39 | 0s34 | 2n 3 | 34n45 | 15n24 | 17n56 | 18n23 | 7n 3 | | n.a. | W 1 |
| T 2 | 2 56 | 20 28 | 1 41 | 12 23 | 2 14 | 8 31 | 0 30 | 22 25 | 0 36 | 21 57 | 0 5 | 24 3 | 0 24 | 22 23 | 0 39 | 0 35 | 2 3 | 34 45 | 15 25 | 17 56 | 18 24 | 7 1 | | n.a. | T 2 |
| F 3 | 2 31 | 18 45 | 0 25 | 11 55 | 2 14 | 9 2 | 0 33 | 22 30 | 0 38 | 21 58 | 0 5 | 24 3 | 0 24 | 22 23 | 0 40 | 0 36 | 2 3 | 34 45 | 15 25 | 17 55 | 18 25 | 6 59 | | n.a. | F 3 |
| S 4 | 2 7 | 15 45 | 0s54 | 11 24 | 2 13 | 9 32 | 0 36 | 22 34 | 0 39 | 21 58 | 0 5 | 24 3 | 0 24 | 22 23 | 0 40 | 0 37 | 2 2 | 34 45 | 15 26 | 17 55 | 18 26 | 6 57 | | n.a. | S 4 |
| S 5 | 1 42 | 11 39 | 2 11 | 10 52 | 2 11 | 10 3 | 0 38 | 22 39 | 0 41 | 21 58 | 0 5 | 24 3 | 0 24 | 22 22 | 0 40 | 0 37 | 2 2 | 34 45 | 15 26 | 17 56 | 18 26 | 6 55 | | n.a. | S 5 |
| M 6 | 1 17 | 6 44 | 3 20 | 10 18 | 2 9 | 10 33 | 0 41 | 22 43 | 0 43 | 21 59 | 0 5 | 24 4 | 0 24 | 22 22 | 0 40 | 0 38 | 2 2 | 34 45 | 15 27 | 17 57 | 18 27 | 6 53 | | n.a. | M 6 |
| T 7 | 0 53 | 1 23 | 4 15 | 9 43 | 2 6 | 11 3 | 0 44 | 22 47 | 0 45 | 21 59 | 0 5 | 24 4 | 0 24 | 22 22 | 0 40 | 0 39 | 2 2 | 34 45 | 15 27 | 17 59 | 18 28 | 6 50 | | n.a. | T 7 |
| W 8 | 0 28 | 4n 1 | 4 51 | 9 6 | 2 3 | 11 33 | 0 47 | 22 52 | 0 47 | 21 59 | 0 5 | 24 4 | 0 24 | 22 21 | 0 40 | 0 40 | 2 2 | 34 45 | 15 28 | 18 1 | 18 29 | 6 48 | | n.a. | W 8 |
| T 9 | 0 3 | 9 4 | 5 7 | 8 28 | 1 59 | 12 3 | 0 49 | 22 56 | 0 49 | 22 0 | 0 4 | 24 4 | 0 24 | 22 21 | 0 40 | 0 41 | 2 2 | 34 45 | 15 28 | 18 3 | 18 30 | 6 46 | | n.a. | T 9 |
| F 10 | 0s21 | 13 28 | 5 2 | 7 49 | 1 55 | 12 32 | 0 52 | 23 0 | 0 51 | 22 0 | 0 4 | 24 4 | 0 24 | 22 21 | 0 40 | 0 42 | 2 2 | 34 45 | 15 28 | 18 5 | 18 31 | 6 44 | | n.a. | F 10 |
| S 11 | 0 46 | 16 57 | 4 39 | 7 9 | 1 50 | 13 1 | 0 55 | 23 4 | 0 53 | 22 0 | 0 4 | 24 5 | 0 24 | 22 20 | 0 40 | 0 43 | 2 2 | 34 46 | 15 29 | 18 7 | 18 31 | 6 42 | | n.a. | S 11 |
| S 12 | 1 11 | 19 23 | 4 1 | 6 29 | 1 45 | 13 30 | 0 57 | 23 8 | 0 55 | 22 0 | 0 4 | 24 5 | 0 24 | 22 20 | 0 40 | 0 44 | 2 2 | 34 46 | 15 29 | 18 8 | 18 32 | 6 40 | | n.a. | S 12 |
| M13 | 1 35 | 20 43 | 3 12 | 5 47 | 1 40 | 13 58 | 1 0 | 23 11 | 0 57 | 22 0 | 0 4 | 24 5 | 0 24 | 22 20 | 0 40 | 0 45 | 2 2 | 34 46 | 15 30 | 18 8 | 18 33 | 6 38 | | n.a. | M13 |
| T 14 | 2 0 | 20 56 | 2 15 | 5 5 | 1 35 | 14 26 | 1 2 | 23 15 | 0 59 | 22 0 | 0 4 | 24 5 | 0 25 | 22 19 | 0 40 | 0 46 | 2 2 | 34 46 | 15 30 | 18 8 | 18 34 | 6 36 | | n.a. | T 14 |
| W15 | 2 25 | 20 8 | 1 12 | 4 23 | 1 29 | 14 54 | 1 5 | 23 19 | 1 1 | 22 0 | 0 4 | 24 6 | 0 25 | 22 19 | 0 40 | 0 47 | 2 2 | 34 46 | 15 31 | 18 8 | 18 35 | 6 34 | | n.a. | W15 |
| T 16 | 2 49 | 18 24 | 0 8 | 3 40 | 1 23 | 15 21 | 1 7 | 23 22 | 1 3 | 22 0 | 0 4 | 24 6 | 0 25 | 22 19 | 0 40 | 0 47 | 2 2 | 34 46 | 15 31 | 18 7 | 18 36 | 6 32 | | n.a. | T 16 |
| F 17 | 3 14 | 15 53 | 0n55 | 2 57 | 1 17 | 15 48 | 1 10 | 23 26 | 1 5 | 22 0 | 0 3 | 24 6 | 0 25 | 22 18 | 0 40 | 0 48 | 2 2 | 34 46 | 15 32 | 18 8 | 18 37 | 6 29 | | n.a. | F 17 |
| S 18 | 3 39 | 12 44 | 1 56 | 2 14 | 1 11 | 16 14 | 1 12 | 23 29 | 1 7 | 22 0 | 0 3 | 24 6 | 0 25 | 22 18 | 0 40 | 0 49 | 2 2 | 34 46 | 15 32 | 18 8 | 18 37 | 6 27 | | n.a. | S 18 |
| S 19 | 4 3 | 9 5 | 2 51 | 1 31 | 1 5 | 16 40 | 1 15 | 23 32 | 1 10 | 22 0 | 0 3 | 24 7 | 0 25 | 22 18 | 0 40 | 0 50 | 2 2 | 34 47 | 15 33 | 18 10 | 18 38 | 6 25 | | n.a. | S 19 |
| M20 | 4 28 | 5 4 | 3 39 | 0 47 | 0 58 | 17 6 | 1 17 | 23 36 | 1 12 | 22 0 | 0 3 | 24 7 | 0 25 | 22 18 | 0 40 | 0 51 | 2 2 | 34 47 | 15 33 | 18 12 | 18 39 | 6 23 | | n.a. | M20 |
| T 21 | 4 52 | 0 51 | 4 18 | 0 3 | 0 52 | 17 31 | 1 20 | 23 39 | 1 14 | 22 0 | 0 3 | 24 7 | 0 25 | 22 17 | 0 40 | 0 52 | 2 2 | 34 47 | 15 34 | 18 15 | 18 40 | 6 21 | | n.a. | T 21 |
| W22 | 5 16 | 3s25 | 4 45 | 0s41 | 0 45 | 17 56 | 1 22 | 23 42 | 1 16 | 21 59 | 0 3 | 24 7 | 0 25 | 22 17 | 0 40 | 0 53 | 2 2 | 34 47 | 15 34 | 18 18 | 18 41 | 6 19 | | n.a. | W22 |
| T 23 | 5 40 | 7 36 | 5 0 | 1 25 | 0 39 | 18 20 | 1 24 | 23 45 | 1 19 | 21 59 | 0 3 | 24 8 | 0 25 | 22 17 | 0 40 | 0 54 | 2 2 | 34 47 | 15 35 | 18 22 | 18 42 | 6 17 | | n.a. | T 23 |
| F 24 | 6 5 | 11 31 | 5 1 | 2 8 | 0 32 | 18 44 | 1 26 | 23 48 | 1 21 | 21 59 | 0 2 | 24 8 | 0 25 | 22 17 | 0 40 | 0 55 | 2 2 | 34 48 | 15 35 | 18 25 | 18 42 | 6 15 | | n.a. | F 24 |
| S 25 | 6 29 | 15 0 | 4 49 | 2 52 | 0 26 | 19 7 | 1 28 | 23 50 | 1 23 | 21 59 | 0 2 | 24 8 | 0 25 | 22 17 | 0 40 | 0 56 | 2 2 | 34 48 | 15 36 | 18 28 | 18 43 | 6 12 | | n.a. | S 25 |
| S 26 | 6 53 | 17 52 | 4 22 | 3 36 | 0 19 | 19 30 | 1 31 | 23 53 | 1 26 | 21 58 | 0 2 | 24 9 | 0 25 | 22 16 | 0 40 | 0 57 | 2 2 | 34 48 | 15 36 | 18 31 | 18 44 | 6 10 | | n.a. | S 26 |
| M27 | 7 16 | 19 56 | 3 42 | 4 19 | 0 12 | 19 52 | 1 33 | 23 56 | 1 28 | 21 58 | 0 2 | 24 9 | 0 25 | 22 16 | 0 41 | 0 57 | 2 2 | 34 48 | 15 37 | 18 32 | 18 45 | 6 8 | | n.a. | M27 |
| T 28 | 7 40 | 21 1 | 2 50 | 5 3 | 0 6 | 20 14 | 1 35 | 23 58 | 1 31 | 21 57 | 0 2 | 24 9 | 0 25 | 22 16 | 0 41 | 0 58 | 2 2 | 34 49 | 15 38 | 18 33 | 18 46 | 6 6 | | n.a. | T 28 |
| W29 | 8 4 | 20 58 | 1 48 | 5 46 | 0s 1 | 20 35 | 1 37 | 24 1 | 1 33 | 21 57 | 0 2 | 24 9 | 0 25 | 22 16 | 0 41 | 0 59 | 2 2 | 34 49 | 15 38 | 18 33 | 18 47 | 6 4 | | n.a. | W29 |
| T 30 | 8 27 | 19 42 | 0 38 | 6 29 | 0 7 | 20 55 | 1 39 | 24 3 | 1 36 | 21 57 | 0 2 | 24 10 | 0 25 | 22 16 | 0 41 | 1 0 | 2 3 | 34 49 | 15 39 | 18 33 | 18 47 | 6 2 | | n.a. | T 30 |
| F 31 | 8s51 | 17s13 | 0s36 | 7s12 | 0s14 | 21s15 | 1s40 | 24n 5 | 1n38 | 21n56 | 0s 1 | 24s10 | 0s25 | 22n16 | 0n41 | 1s 1 | 2n 3 | 34n50 | 15n39 | 18n33 | 18n48 | 6n 0 | | n.a. | F 31 |

Julian Day Number = 996675.5, Delta T = 12h56m04s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'49, Lahiri = -31°18'48 Julian Calendar 1 Oct. 1985 BCE == Greg. Calendar 14 Sept. 1985 BCE

The year -1984 astronomical counting style corresponds to year 1985 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## NOVEMBER 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 34 54 | 23♎18'06 | 29♒21 | 19♎ 1 | 27♏11 | 10°R28 | 7°R11 | 23♐21 | 24♋50 | 7♎10 | 3♌48 | 8°R17 | 7♌18 | 23♍43 | n.a. | S 1 |
| S 2 | 1 38 50 | 24°19'22 | 14♓ 3 | 20°35 | 28°24 | 10♊24 | 7♊ 7 | 23°26 | 24°50 | 7°12 | 3°49 | 8♌13 | 7°15 | 23°49 | n.a. | S 2 |
| M 3 | 1 42 47 | 25°20'39 | 29° 2 | 22° 9 | 29°38 | 10°20 | 7° 2 | 23°31 | 24°51 | 7°14 | 3°50 | 8° 6 | 7°12 | 23°56 | n.a. | M 3 |
| T 4 | 1 46 43 | 26°21'56 | 14♈10 | 23°44 | 0♐51 | 10°16 | 6°58 | 23°36 | 24°52 | 7°17 | 3°50 | 7°57 | 7° 9 | 24° 3 | n.a. | T 4 |
| W 5 | 1 50 40 | 27°23'14 | 29°17 | 25°19 | 2° 5 | 10°10 | 6°53 | 23°41 | 24°53 | 7°19 | 3°51 | 7°45 | 7° 5 | 24° 9 | n.a. | W 5 |
| T 6 | 1 54 37 | 28°24'31 | 14♉13 | 26°53 | 3°18 | 10° 4 | 6°48 | 23°46 | 24°53 | 7°21 | 3°52 | 7°33 | 7° 2 | 24°16 | n.a. | T 6 |
| F 7 | 1 58 33 | 29°25'49 | 28°49 | 28°28 | 4°31 | 9°56 | 6°43 | 23°51 | 24°54 | 7°23 | 3°52 | 7°22 | 6°59 | 24°23 | n.a. | F 7 |
| S 8 | 2 2 30 | 0♏27'08 | 12♊58 | 0♏ 4 | 5°45 | 9°48 | 6°38 | 23°57 | 24°54 | 7°25 | 3°53 | 7°13 | 6°56 | 24°30 | n.a. | S 8 |
| S 9 | 2 6 26 | 1°28'27 | 26°37 | 1°39 | 6°58 | 9°39 | 6°33 | 24° 2 | 24°55 | 7°27 | 3°53 | 7° 7 | 6°53 | 24°36 | n.a. | S 9 |
| M10 | 2 10 23 | 2°29'46 | 9♋46 | 3°15 | 8°11 | 9°30 | 6°28 | 24° 7 | 24°55 | 7°29 | 3°54 | 7° 3 | 6°50 | 24°43 | n.a. | M10 |
| T 11 | 2 14 19 | 3°31'06 | 22°30 | 4°50 | 9°24 | 9°19 | 6°22 | 24°13 | 24°55 | 7°31 | 3°54 | 7° 1 | 6°46 | 24°50 | n.a. | T 11 |
| W12 | 2 18 16 | 4°32'26 | 4♌51 | 6°27 | 10°37 | 9° 8 | 6°16 | 24°18 | 24°56 | 7°33 | 3°54 | 7° 1 | 6°43 | 24°56 | n.a. | W12 |
| T 13 | 2 22 12 | 5°33'47 | 16°56 | 8° 3 | 11°50 | 8°55 | 6°10 | 24°24 | 24°56 | 7°36 | 3°55 | 7° 1 | 6°40 | 25° 3 | n.a. | T 13 |
| F 14 | 2 26 9 | 6°35'07 | 28°50 | 9°40 | 13° 3 | 8°43 | 6° 4 | 24°30 | 24°56 | 7°38 | 3°55 | 7° 0 | 6°37 | 25°10 | n.a. | F 14 |
| S 15 | 2 30 6 | 7°36'28 | 10♍39 | 11°17 | 14°16 | 8°29 | 5°58 | 24°35 | 24°56 | 7°40 | 3°55 | 6°56 | 6°34 | 25°16 | n.a. | S 15 |
| S 16 | 2 34 2 | 8°37'49 | 22°27 | 12°54 | 15°29 | 8°14 | 5°52 | 24°41 | 24°R56 | 7°42 | 3°55 | 6°50 | 6°30 | 25°23 | n.a. | S 16 |
| M17 | 2 37 59 | 9°39'10 | 4♎17 | 14°31 | 16°42 | 7°59 | 5°45 | 24°47 | 24°56 | 7°44 | 3°56 | 6°41 | 6°27 | 25°30 | n.a. | M17 |
| T 18 | 2 41 55 | 10°40'31 | 16°15 | 16° 9 | 17°55 | 7°43 | 5°38 | 24°53 | 24°56 | 7°46 | 3°56 | 6°29 | 6°24 | 25°36 | n.a. | T 18 |
| W19 | 2 45 52 | 11°41'51 | 28°20 | 17°47 | 19° 8 | 7°26 | 5°32 | 24°59 | 24°56 | 7°48 | 3°56 | 6°15 | 6°21 | 25°43 | n.a. | W19 |
| T 20 | 2 49 48 | 12°43'12 | 10♏35 | 19°26 | 20°20 | 7° 9 | 5°25 | 25° 5 | 24°56 | 7°50 | 3°56 | 6° 0 | 6°18 | 25°50 | n.a. | T 20 |
| F 21 | 2 53 45 | 13°44'32 | 23° 1 | 21° 5 | 21°33 | 6°50 | 5°18 | 25°11 | 24°55 | 7°51 | 3°56 | 5°45 | 6°15 | 25°57 | n.a. | F 21 |
| S 22 | 2 57 42 | 14°45'52 | 5♐36 | 22°44 | 22°46 | 6°32 | 5°11 | 25°17 | 24°55 | 7°53 | 3°R56 | 5°33 | 6°11 | 26° 3 | n.a. | S 22 |
| S 23 | 3 1 38 | 15°47'12 | 18°22 | 24°23 | 23°58 | 6°12 | 5° 4 | 25°23 | 24°55 | 7°55 | 3°56 | 5°22 | 6° 8 | 26°10 | n.a. | S 23 |
| M24 | 3 5 35 | 16°48'31 | 1♑19 | 26° 2 | 25°10 | 5°52 | 4°56 | 25°30 | 24°54 | 7°57 | 3°56 | 5°15 | 6° 5 | 26°17 | n.a. | M24 |
| T 25 | 3 9 31 | 17°49'49 | 14°27 | 27°42 | 26°23 | 5°32 | 4°49 | 25°36 | 24°54 | 7°59 | 3°56 | 5°11 | 6° 2 | 26°23 | n.a. | T 25 |
| W26 | 3 13 28 | 18°51'07 | 27°47 | 29°21 | 27°35 | 5°11 | 4°42 | 25°42 | 24°53 | 8° 1 | 3°56 | 5°10 | 5°59 | 26°30 | n.a. | W26 |
| T 27 | 3 17 24 | 19°52'24 | 11♒21 | 1♐ 1 | 28°47 | 4°49 | 4°34 | 25°49 | 24°53 | 8° 3 | 3°56 | 5°D10 | 5°56 | 26°37 | n.a. | T 27 |
| F 28 | 3 21 21 | 20°53'39 | 25°10 | 2°40 | 29°59 | 4°27 | 4°26 | 25°55 | 24°52 | 8° 4 | 3°56 | 5°R10 | 5°52 | 26°43 | n.a. | F 28 |
| S 29 | 3 25 18 | 21°54'54 | 9♓16 | 4°20 | 1♑12 | 4° 5 | 4°19 | 26° 2 | 24°51 | 8° 6 | 3°55 | 5° 8 | 5°49 | 26°50 | n.a. | S 29 |
| S 30 | 3 29 14 | 22♏56'08 | 23♓37 | 5♐59 | 2♑24 | 3♊42 | 4♊11 | 26♐ 8 | 24♋51 | 8♎ 8 | 3♌55 | 5♌ 5 | 5♌46 | 26♍57 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s14 | 13s38 | 1s49 | 7s54 | 0s20 | 21s35 | 1s42 | 24n 7 | 1n41 | 21n56 | 0s 1 | 24s10 | 0s25 | 22n16 | 0n41 | 1s 2 | 2n 3 | 34n50 | 15n40 | 18n34 | 18n49 | 5n57 | | n.a. |
| S 2 | 9 37 | 9 7 | 2 57 | 8 36 | 0 26 | 21 53 | 1 44 | 24 10 | 1 43 | 21 55 | 0 1 | 24 11 | 0 25 | 22 16 | 0 41 | 1 3 | 2 3 | 34 50 | 15 40 | 18 35 | 18 50 | 5 55 | | n.a. |
| M 3 | 10 0 | 3 58 | 3 54 | 9 18 | 0 33 | 22 12 | 1 46 | 24 11 | 1 46 | 21 54 | 0 1 | 24 11 | 0 25 | 22 15 | 0 41 | 1 4 | 2 3 | 34 51 | 15 41 | 18 36 | 18 51 | 5 53 | | n.a. |
| T 4 | 10 22 | 1n29 | 4 36 | 10 0 | 0 39 | 22 29 | 1 47 | 24 13 | 1 48 | 21 54 | 0 1 | 24 11 | 0 25 | 22 15 | 0 41 | 1 4 | 2 3 | 34 51 | 15 41 | 18 39 | 18 51 | 5 51 | | n.a. |
| W 5 | 10 45 | 6 49 | 4 57 | 10 41 | 0 45 | 22 46 | 1 49 | 24 15 | 1 51 | 21 53 | 0 1 | 24 12 | 0 26 | 22 15 | 0 41 | 1 5 | 2 3 | 34 51 | 15 42 | 18 42 | 18 52 | 5 49 | | n.a. |
| T 6 | 11 7 | 11 41 | 4 59 | 11 21 | 0 51 | 23 2 | 1 50 | 24 17 | 1 54 | 21 52 | 0 0 | 24 12 | 0 26 | 22 15 | 0 41 | 1 6 | 2 3 | 34 52 | 15 42 | 18 45 | 18 53 | 5 47 | | n.a. |
| F 7 | 11 30 | 15 45 | 4 40 | 12 2 | 0 57 | 23 18 | 1 52 | 24 18 | 1 56 | 21 52 | 0 0 | 24 12 | 0 26 | 22 15 | 0 41 | 1 7 | 2 3 | 34 52 | 15 43 | 18 48 | 18 54 | 5 45 | | n.a. |
| S 8 | 11 52 | 18 46 | 4 5 | 12 41 | 1 2 | 23 33 | 1 53 | 24 20 | 1 59 | 21 51 | 0 0 | 24 12 | 0 26 | 22 15 | 0 41 | 1 8 | 2 3 | 34 53 | 15 44 | 18 50 | 18 55 | 5 42 | | n.a. |
| S 9 | 12 13 | 20 36 | 3 16 | 13 20 | 1 8 | 23 47 | 1 54 | 24 21 | 2 2 | 21 50 | 0 0 | 24 13 | 0 26 | 22 15 | 0 41 | 1 9 | 2 3 | 34 53 | 15 44 | 18 52 | 18 56 | 5 40 | | n.a. |
| M10 | 12 35 | 21 15 | 2 19 | 13 59 | 1 13 | 24 1 | 1 55 | 24 22 | 2 4 | 21 49 | 0n 0 | 24 13 | 0 26 | 22 15 | 0 41 | 1 9 | 2 3 | 34 53 | 15 45 | 18 53 | 18 56 | 5 38 | | n.a. |
| T 11 | 12 56 | 20 45 | 1 16 | 14 37 | 1 18 | 24 13 | 1 56 | 24 23 | 2 7 | 21 49 | 0 0 | 24 13 | 0 26 | 22 15 | 0 41 | 1 10 | 2 3 | 34 54 | 15 45 | 18 53 | 18 57 | 5 36 | | n.a. |
| W12 | 13 17 | 19 15 | 0 11 | 15 15 | 1 23 | 24 25 | 1 57 | 24 24 | 2 10 | 21 48 | 0 0 | 24 14 | 0 26 | 22 15 | 0 41 | 1 11 | 2 3 | 34 54 | 15 46 | 18 53 | 18 58 | 5 34 | | n.a. |
| T 13 | 13 38 | 16 54 | 0n52 | 15 51 | 1 28 | 24 37 | 1 58 | 24 24 | 2 12 | 21 47 | 0 1 | 24 14 | 0 26 | 22 15 | 0 41 | 1 12 | 2 3 | 34 55 | 15 46 | 18 53 | 18 59 | 5 32 | | n.a. |
| F 14 | 13 59 | 13 52 | 1 53 | 16 27 | 1 33 | 24 48 | 1 59 | 24 25 | 2 15 | 21 46 | 0 1 | 24 14 | 0 26 | 22 15 | 0 41 | 1 13 | 2 3 | 34 55 | 15 47 | 18 54 | 19 0 | 5 29 | | n.a. |
| S 15 | 14 20 | 10 18 | 2 48 | 17 3 | 1 37 | 24 58 | 2 0 | 24 25 | 2 17 | 21 45 | 0 1 | 24 14 | 0 26 | 22 15 | 0 41 | 1 13 | 2 3 | 34 56 | 15 48 | 18 55 | 19 0 | 5 27 | | n.a. |
| S 16 | 14 40 | 6 21 | 3 35 | 17 37 | 1 41 | 25 7 | 2 1 | 24 26 | 2 20 | 21 44 | 0 1 | 24 15 | 0 26 | 22 15 | 0 41 | 1 14 | 2 3 | 34 56 | 15 48 | 18 56 | 19 1 | 5 25 | | n.a. |
| M17 | 15 0 | 2 8 | 4 14 | 18 11 | 1 45 | 25 15 | 2 1 | 24 26 | 2 23 | 21 43 | 0 1 | 24 15 | 0 26 | 22 15 | 0 41 | 1 15 | 2 3 | 34 57 | 15 49 | 18 59 | 19 2 | 5 23 | | n.a. |
| T 18 | 15 19 | 2s12 | 4 42 | 18 44 | 1 48 | 25 23 | 2 2 | 24 26 | 2 25 | 21 42 | 0 1 | 24 15 | 0 26 | 22 15 | 0 41 | 1 16 | 2 3 | 34 57 | 15 49 | 19 2 | 19 3 | 5 21 | | n.a. |
| W19 | 15 39 | 6 29 | 4 57 | 19 16 | 1 52 | 25 30 | 2 2 | 24 25 | 2 28 | 21 41 | 0 2 | 24 16 | 0 26 | 22 15 | 0 42 | 1 16 | 2 3 | 34 58 | 15 50 | 19 5 | 19 4 | 5 19 | | n.a. |
| T 20 | 15 58 | 10 34 | 4 59 | 19 46 | 1 55 | 25 36 | 2 3 | 24 25 | 2 31 | 21 40 | 0 2 | 24 16 | 0 26 | 22 15 | 0 42 | 1 17 | 2 3 | 34 58 | 15 50 | 19 9 | 19 4 | 5 16 | | n.a. |
| F 21 | 16 17 | 14 17 | 4 46 | 20 16 | 1 57 | 25 41 | 2 3 | 24 24 | 2 33 | 21 39 | 0 2 | 24 16 | 0 26 | 22 15 | 0 42 | 1 18 | 2 3 | 34 59 | 15 51 | 19 13 | 19 5 | 5 14 | | n.a. |
| S 22 | 16 35 | 17 24 | 4 20 | 20 45 | 1 59 | 25 46 | 2 3 | 24 23 | 2 36 | 21 38 | 0 2 | 24 16 | 0 26 | 22 16 | 0 42 | 1 19 | 2 3 | 34 59 | 15 51 | 19 16 | 19 6 | 5 12 | | n.a. |
| S 23 | 16 54 | 19 44 | 3 40 | 21 12 | 2 1 | 25 50 | 2 3 | 24 22 | 2 38 | 21 36 | 0 2 | 24 17 | 0 26 | 22 16 | 0 42 | 1 19 | 2 3 | 35 0 | 15 52 | 19 18 | 19 7 | 5 10 | | n.a. |
| M24 | 17 12 | 21 6 | 2 49 | 21 38 | 2 3 | 25 53 | 2 3 | 24 21 | 2 41 | 21 35 | 0 2 | 24 17 | 0 26 | 22 16 | 0 42 | 1 20 | 2 3 | 35 0 | 15 53 | 19 20 | 19 8 | 5 8 | | n.a. |
| T 25 | 17 29 | 21 21 | 1 47 | 22 3 | 2 4 | 25 55 | 2 3 | 24 20 | 2 43 | 21 34 | 0 2 | 24 17 | 0 27 | 22 16 | 0 42 | 1 21 | 2 3 | 35 1 | 15 53 | 19 21 | 19 9 | 5 5 | | n.a. |
| W26 | 17 47 | 20 23 | 0 39 | 22 26 | 2 4 | 25 57 | 2 3 | 24 18 | 2 45 | 21 33 | 0 3 | 24 18 | 0 27 | 22 16 | 0 42 | 1 22 | 2 3 | 35 1 | 15 54 | 19 22 | 19 9 | 5 3 | | n.a. |
| T 27 | 18 4 | 18 15 | 0s33 | 22 48 | 2 4 | 25 58 | 2 3 | 24 16 | 2 48 | 21 32 | 0 3 | 24 18 | 0 27 | 22 16 | 0 42 | 1 22 | 2 3 | 35 2 | 15 54 | 19 22 | 19 10 | 5 1 | | n.a. |
| F 28 | 18 20 | 15 1 | 1 44 | 23 8 | 2 4 | 25 58 | 2 2 | 24 14 | 2 50 | 21 30 | 0 3 | 24 18 | 0 27 | 22 16 | 0 42 | 1 23 | 2 3 | 35 3 | 15 55 | 19 22 | 19 11 | 4 59 | | n.a. |
| S 29 | 18 37 | 10 52 | 2 50 | 23 27 | 2 3 | 25 57 | 2 2 | 24 12 | 2 52 | 21 29 | 0 3 | 24 18 | 0 27 | 22 16 | 0 42 | 1 24 | 2 3 | 35 3 | 15 55 | 19 22 | 19 12 | 4 57 | | n.a. |
| S 30 | 18s53 | 6s 3 | 3s47 | 23s43 | 2s 1 | 25s55 | 2s 1 | 24n10 | 2n54 | 21n28 | 0n 3 | 24s19 | 0s27 | 22n17 | 0n42 | 1s24 | 2n 3 | 35n 4 | 15n56 | 19n23 | 19n13 | 4n54 | | n.a. |

Julian Day Number = 996706.5, Delta T = 12h56m02s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'45, Lahiri = -31°18'44 Julian Calendar 1 Nov. 1985 BCE == Greg. Calendar 15 Oct. 1985 BCE


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# ASTRODIENST EPHEMERIS for the year 1985 BCE
# geocentric

## DECEMBER 1985 BCE (-1984) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 33 11 | 23♏57'20 | 8♈12 | 7♐37 | 3♑35 | 3°R19 | 4°R 3 | 26♐15 | 24°R50 | 8♎10 | 3°R55 | 4°R59 | 5♌43 | 27♍ 3 | n.a. | M 1 |
| T 2 | 3 37 7 | 24°58'32 | 22°55 | 9°15 | 4°47 | 2♊55 | 3♊55 | 26°21 | 24♋49 | 8°11 | 3♌55 | 4♌51 | 5°40 | 27°10 | n.a. | T 2 |
| W 3 | 3 41 4 | 25°59'43 | 7♉39 | 10°51 | 5°59 | 2°32 | 3°47 | 26°28 | 24°48 | 8°13 | 3°54 | 4°40 | 5°36 | 27°17 | n.a. | W 3 |
| T 4 | 3 45 0 | 27° 0'53 | 22°17 | 12°27 | 7°11 | 2° 8 | 3°40 | 26°35 | 24°47 | 8°15 | 3°54 | 4°29 | 5°33 | 27°24 | n.a. | T 4 |
| F 5 | 3 48 57 | 28° 2'02 | 6♊41 | 14° 1 | 8°22 | 1°44 | 3°32 | 26°41 | 24°46 | 8°16 | 3°54 | 4°18 | 5°30 | 27°30 | n.a. | F 5 |
| S 6 | 3 52 53 | 29° 3'10 | 20°43 | 15°33 | 9°33 | 1°20 | 3°24 | 26°48 | 24°45 | 8°18 | 3°53 | 4°10 | 5°27 | 27°37 | n.a. | S 6 |
| S 7 | 3 56 50 | 0♐ 4'18 | 4♋21 | 17° 3 | 10°45 | 0°56 | 3°16 | 26°55 | 24°44 | 8°20 | 3°53 | 4° 3 | 5°24 | 27°44 | n.a. | S 7 |
| M 8 | 4 0 47 | 1° 5'24 | 17°34 | 18°29 | 11°56 | 0°32 | 3° 8 | 27° 2 | 24°43 | 8°21 | 3°52 | 4° 0 | 5°21 | 27°50 | n.a. | M 8 |
| T 9 | 4 4 43 | 2° 6'30 | 0♌21 | 19°53 | 13° 7 | 0° 8 | 2°59 | 27° 9 | 24°42 | 8°23 | 3°52 | 3°D58 | 5°17 | 27°57 | n.a. | T 9 |
| W10 | 4 8 40 | 3° 7'35 | 12°47 | 21°12 | 14°18 | 29♉44 | 2°51 | 27°16 | 24°40 | 8°24 | 3°51 | 3°58 | 5°14 | 28° 4 | n.a. | W10 |
| T 11 | 4 12 36 | 4° 8'39 | 24°56 | 22°27 | 15°29 | 29°20 | 2°43 | 27°23 | 24°39 | 8°26 | 3°50 | 3°59 | 5°11 | 28°10 | n.a. | T 11 |
| F 12 | 4 16 33 | 5° 9'43 | 6♍53 | 23°37 | 16°40 | 28°57 | 2°35 | 27°30 | 24°38 | 8°27 | 3°50 | 4°R 0 | 5° 8 | 28°17 | n.a. | F 12 |
| S 13 | 4 20 29 | 6°10'45 | 18°44 | 24°40 | 17°50 | 28°33 | 2°27 | 27°37 | 24°36 | 8°29 | 3°49 | 3°59 | 5° 5 | 28°24 | n.a. | S 13 |
| S 14 | 4 24 26 | 7°11'46 | 0♎34 | 25°36 | 19° 1 | 28°10 | 2°19 | 27°44 | 24°35 | 8°30 | 3°48 | 3°55 | 5° 2 | 28°31 | n.a. | S 14 |
| M15 | 4 28 23 | 8°12'47 | 12°27 | 26°25 | 20°11 | 27°47 | 2°11 | 27°51 | 24°33 | 8°31 | 3°48 | 3°50 | 4°58 | 28°37 | n.a. | M15 |
| T 16 | 4 32 19 | 9°13'46 | 24°28 | 27° 4 | 21°22 | 27°25 | 2° 3 | 27°58 | 24°32 | 8°33 | 3°47 | 3°42 | 4°55 | 28°44 | n.a. | T 16 |
| W17 | 4 36 16 | 10°14'44 | 6♏40 | 27°35 | 22°32 | 27° 2 | 1°55 | 28° 5 | 24°30 | 8°34 | 3°46 | 3°33 | 4°52 | 28°51 | n.a. | W17 |
| T 18 | 4 40 12 | 11°15'41 | 19° 5 | 27°55 | 23°42 | 26°41 | 1°48 | 28°12 | 24°28 | 8°35 | 3°45 | 3°23 | 4°49 | 28°57 | n.a. | T 18 |
| F 19 | 4 44 9 | 12°16'37 | 1♐45 | 28°R 5 | 24°52 | 26°20 | 1°40 | 28°19 | 24°27 | 8°36 | 3°45 | 3°13 | 4°46 | 29° 4 | n.a. | F 19 |
| S 20 | 4 48 5 | 13°17'31 | 14°38 | 28° 3 | 26° 1 | 25°59 | 1°32 | 28°26 | 24°25 | 8°38 | 3°44 | 3° 4 | 4°42 | 29°11 | n.a. | S 20 |
| S 21 | 4 52 2 | 14°18'25 | 27°46 | 27°51 | 27°11 | 25°39 | 1°24 | 28°34 | 24°23 | 8°39 | 3°43 | 2°57 | 4°39 | 29°17 | n.a. | S 21 |
| M22 | 4 55 58 | 15°19'16 | 11♑ 5 | 27°28 | 28°21 | 25°19 | 1°17 | 28°41 | 24°22 | 8°40 | 3°42 | 2°52 | 4°36 | 29°24 | n.a. | M22 |
| T 23 | 4 59 55 | 16°20'06 | 24°36 | 26°54 | 29°30 | 25° 0 | 1° 9 | 28°48 | 24°20 | 8°41 | 3°41 | 2°50 | 4°33 | 29°31 | n.a. | T 23 |
| W24 | 5 3 52 | 17°20'54 | 8♒16 | 26°10 | 0♒39 | 24°42 | 1° 2 | 28°55 | 24°18 | 8°42 | 3°40 | 2°D50 | 4°30 | 29°38 | n.a. | W24 |
| T 25 | 5 7 48 | 18°21'41 | 22° 4 | 25°18 | 1°48 | 24°24 | 0°54 | 29° 3 | 24°16 | 8°43 | 3°39 | 2°51 | 4°27 | 29°44 | n.a. | T 25 |
| F 26 | 5 11 45 | 19°22'25 | 6♓ 1 | 24°19 | 2°57 | 24° 7 | 0°47 | 29°10 | 24°14 | 8°44 | 3°38 | 2°52 | 4°23 | 29°51 | n.a. | F 26 |
| S 27 | 5 15 41 | 20°23'08 | 20° 5 | 23°14 | 4° 6 | 23°51 | 0°40 | 29°17 | 24°12 | 8°45 | 3°37 | 2°R53 | 4°20 | 29°58 | n.a. | S 27 |
| S 28 | 5 19 38 | 21°23'48 | 4♈16 | 22° 5 | 5°14 | 23°35 | 0°33 | 29°25 | 24°10 | 8°46 | 3°36 | 2°52 | 4°17 | 0♎ 4 | n.a. | S 28 |
| M29 | 5 23 34 | 22°24'27 | 18°31 | 20°55 | 6°22 | 23°20 | 0°26 | 29°32 | 24° 8 | 8°47 | 3°35 | 2°49 | 4°14 | 0°11 | n.a. | M29 |
| T 30 | 5 27 31 | 23°25'04 | 2♉48 | 19°45 | 7°30 | 23° 6 | 0°19 | 29°39 | 24° 6 | 8°48 | 3°34 | 2°45 | 4°11 | 0°18 | n.a. | T 30 |
| W31 | 5 31 27 | 24♐25'38 | 17♉ 3 | 18♐37 | 8♒38 | 22♉53 | 0♊12 | 29♐46 | 24♋ 4 | 8♎49 | 3♌32 | 2♌39 | 4♌ 8 | 0♎24 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 19s 8 | 0s48 | 4s30 | 23s58 | 1s59 | 25s53 | 2s 1 | 24n 7 | 2n56 | 21n26 | 0n 3 | 24s19 | 0s27 | 22n17 | 0n42 | 1s25 | 2n 4 | 35n 4 | 15n56 | 19n24 | 19n13 | 4n52 | | n.a. |
| T 2 | 19 24 | 4n31 | 4 56 | 24 11 | 1 56 | 25 50 | 2 0 | 24 5 | 2 58 | 21 25 | 0 4 | 24 19 | 0 27 | 22 17 | 0 42 | 1 26 | 2 4 | 35 5 | 15 57 | 19 26 | 19 14 | 4 50 | | n.a. |
| W 3 | 19 38 | 9 36 | 5 2 | 24 22 | 1 52 | 25 46 | 1 59 | 24 2 | 3 0 | 21 24 | 0 4 | 24 19 | 0 27 | 22 17 | 0 42 | 1 26 | 2 4 | 35 5 | 15 57 | 19 29 | 19 15 | 4 48 | | n.a. |
| T 4 | 19 53 | 14 4 | 4 48 | 24 31 | 1 48 | 25 41 | 1 58 | 23 59 | 3 2 | 21 22 | 0 4 | 24 20 | 0 27 | 22 17 | 0 42 | 1 27 | 2 4 | 35 6 | 15 58 | 19 32 | 19 16 | 4 46 | | n.a. |
| F 5 | 20 7 | 17 40 | 4 16 | 24 38 | 1 42 | 25 36 | 1 57 | 23 55 | 3 4 | 21 21 | 0 4 | 24 20 | 0 27 | 22 18 | 0 42 | 1 27 | 2 4 | 35 7 | 15 59 | 19 34 | 19 16 | 4 43 | | n.a. |
| S 6 | 20 21 | 20 7 | 3 29 | 24 43 | 1 36 | 25 30 | 1 56 | 23 52 | 3 6 | 21 20 | 0 4 | 24 20 | 0 27 | 22 18 | 0 42 | 1 28 | 2 4 | 35 7 | 15 59 | 19 36 | 19 17 | 4 41 | | n.a. |
| S 7 | 20 34 | 21 20 | 2 31 | 24 45 | 1 29 | 25 23 | 1 54 | 23 49 | 3 7 | 21 18 | 0 4 | 24 20 | 0 27 | 22 18 | 0 42 | 1 29 | 2 4 | 35 8 | 16 0 | 19 38 | 19 18 | 4 39 | | n.a. |
| M 8 | 20 47 | 21 19 | 1 26 | 24 46 | 1 21 | 25 15 | 1 53 | 23 45 | 3 9 | 21 17 | 0 5 | 24 20 | 0 27 | 22 18 | 0 42 | 1 29 | 2 4 | 35 9 | 16 0 | 19 39 | 19 19 | 4 37 | | n.a. |
| T 9 | 21 0 | 20 10 | 0 19 | 24 44 | 1 12 | 25 7 | 1 52 | 23 41 | 3 11 | 21 15 | 0 5 | 24 21 | 0 27 | 22 19 | 0 42 | 1 30 | 2 4 | 35 9 | 16 1 | 19 39 | 19 20 | 4 34 | | n.a. |
| W10 | 21 12 | 18 4 | 0n47 | 24 39 | 1 2 | 24 58 | 1 50 | 23 37 | 3 12 | 21 14 | 0 5 | 24 21 | 0 27 | 22 19 | 0 42 | 1 30 | 2 4 | 35 10 | 16 1 | 19 39 | 19 20 | 4 32 | | n.a. |
| T 11 | 21 24 | 15 11 | 1 50 | 24 33 | 0 51 | 24 48 | 1 48 | 23 33 | 3 13 | 21 12 | 0 5 | 24 21 | 0 27 | 22 19 | 0 42 | 1 31 | 2 4 | 35 11 | 16 2 | 19 39 | 19 21 | 4 30 | | n.a. |
| F 12 | 21 35 | 11 44 | 2 47 | 24 25 | 0 39 | 24 37 | 1 47 | 23 29 | 3 15 | 21 11 | 0 5 | 24 21 | 0 28 | 22 20 | 0 42 | 1 31 | 2 4 | 35 11 | 16 2 | 19 39 | 19 22 | 4 28 | | n.a. |
| S 13 | 21 46 | 7 50 | 3 36 | 24 15 | 0 26 | 24 26 | 1 45 | 23 25 | 3 16 | 21 10 | 0 5 | 24 22 | 0 28 | 22 20 | 0 43 | 1 32 | 2 4 | 35 12 | 16 3 | 19 39 | 19 23 | 4 25 | | n.a. |
| S 14 | 21 57 | 3 40 | 4 16 | 24 3 | 0 12 | 24 14 | 1 43 | 23 21 | 3 17 | 21 8 | 0 6 | 24 22 | 0 28 | 22 20 | 0 43 | 1 32 | 2 4 | 35 12 | 16 3 | 19 40 | 19 24 | 4 23 | | n.a. |
| M15 | 22 7 | 0s39 | 4 45 | 23 49 | 0n 3 | 24 2 | 1 41 | 23 16 | 3 18 | 21 7 | 0 6 | 24 22 | 0 28 | 22 20 | 0 43 | 1 33 | 2 4 | 35 13 | 16 4 | 19 41 | 19 24 | 4 21 | | n.a. |
| T 16 | 22 17 | 5 0 | 5 2 | 23 34 | 0 19 | 23 48 | 1 38 | 23 12 | 3 19 | 21 5 | 0 6 | 24 22 | 0 28 | 22 21 | 0 43 | 1 33 | 2 4 | 35 14 | 16 4 | 19 43 | 19 25 | 4 19 | | n.a. |
| W17 | 22 26 | 9 13 | 5 5 | 23 18 | 0 36 | 23 34 | 1 36 | 23 7 | 3 20 | 21 4 | 0 6 | 24 22 | 0 28 | 22 21 | 0 43 | 1 34 | 2 4 | 35 14 | 16 5 | 19 45 | 19 26 | 4 17 | | n.a. |
| T 18 | 22 35 | 13 8 | 4 54 | 23 1 | 0 53 | 23 20 | 1 34 | 23 3 | 3 20 | 21 2 | 0 6 | 24 22 | 0 28 | 22 21 | 0 43 | 1 34 | 2 4 | 35 15 | 16 5 | 19 47 | 19 27 | 4 14 | | n.a. |
| F 19 | 22 43 | 16 32 | 4 29 | 22 43 | 1 12 | 23 5 | 1 31 | 22 58 | 3 21 | 21 1 | 0 6 | 24 23 | 0 28 | 22 22 | 0 43 | 1 35 | 2 4 | 35 16 | 16 6 | 19 50 | 19 27 | 4 12 | | n.a. |
| S 20 | 22 51 | 19 13 | 3 50 | 22 24 | 1 30 | 22 49 | 1 29 | 22 54 | 3 22 | 20 59 | 0 6 | 24 23 | 0 28 | 22 22 | 0 43 | 1 35 | 2 5 | 35 17 | 16 6 | 19 52 | 19 28 | 4 10 | | n.a. |
| S 21 | 22 59 | 20 57 | 2 57 | 22 6 | 1 48 | 22 33 | 1 26 | 22 49 | 3 22 | 20 58 | 0 7 | 24 23 | 0 28 | 22 22 | 0 43 | 1 36 | 2 5 | 35 17 | 16 7 | 19 54 | 19 29 | 4 8 | | n.a. |
| M22 | 23 6 | 21 33 | 1 55 | 21 47 | 2 7 | 22 16 | 1 23 | 22 45 | 3 23 | 20 56 | 0 7 | 24 23 | 0 28 | 22 23 | 0 43 | 1 36 | 2 5 | 35 18 | 16 7 | 19 55 | 19 30 | 4 5 | | n.a. |
| T 23 | 23 12 | 20 54 | 0 44 | 21 29 | 2 24 | 21 58 | 1 20 | 22 41 | 3 23 | 20 55 | 0 7 | 24 23 | 0 28 | 22 23 | 0 43 | 1 36 | 2 5 | 35 19 | 16 7 | 19 55 | 19 31 | 4 3 | | n.a. |
| W24 | 23 18 | 19 2 | 0s29 | 21 11 | 2 41 | 21 40 | 1 17 | 22 36 | 3 23 | 20 54 | 0 7 | 24 23 | 0 28 | 22 24 | 0 43 | 1 37 | 2 5 | 35 19 | 16 8 | 19 55 | 19 31 | 4 1 | | n.a. |
| T 25 | 23 24 | 16 2 | 1 42 | 20 54 | 2 56 | 21 21 | 1 14 | 22 32 | 3 24 | 20 52 | 0 7 | 24 23 | 0 28 | 22 24 | 0 43 | 1 37 | 2 5 | 35 20 | 16 8 | 19 55 | 19 32 | 3 59 | | n.a. |
| F 26 | 23 29 | 12 6 | 2 50 | 20 38 | 3 10 | 21 2 | 1 11 | 22 28 | 3 24 | 20 51 | 0 7 | 24 24 | 0 28 | 22 24 | 0 43 | 1 38 | 2 5 | 35 21 | 16 9 | 19 55 | 19 33 | 3 56 | | n.a. |
| S 27 | 23 34 | 7 29 | 3 48 | 20 23 | 3 22 | 20 42 | 1 7 | 22 24 | 3 24 | 20 49 | 0 8 | 24 24 | 0 29 | 22 25 | 0 43 | 1 38 | 2 5 | 35 21 | 16 9 | 19 55 | 19 34 | 3 54 | | n.a. |
| S 28 | 23 38 | 2 26 | 4 32 | 20 9 | 3 32 | 20 22 | 1 4 | 22 20 | 3 24 | 20 48 | 0 8 | 24 24 | 0 29 | 22 25 | 0 43 | 1 38 | 2 5 | 35 22 | 16 10 | 19 55 | 19 34 | 3 52 | | n.a. |
| M29 | 23 42 | 2n47 | 5 0 | 19 57 | 3 40 | 20 2 | 1 0 | 22 16 | 3 24 | 20 47 | 0 8 | 24 24 | 0 29 | 22 25 | 0 43 | 1 39 | 2 5 | 35 23 | 16 10 | 19 55 | 19 35 | 3 50 | | n.a. |
| T 30 | 23 45 | 7 50 | 5 10 | 19 46 | 3 45 | 19 40 | 0 57 | 22 12 | 3 24 | 20 45 | 0 8 | 24 24 | 0 29 | 22 26 | 0 43 | 1 39 | 2 5 | 35 23 | 16 10 | 19 56 | 19 36 | 3 47 | | n.a. |
| W31 | 23s48 | 12n28 | 5s 0 | 19s38 | 3n49 | 19s19 | 0s53 | 22n 8 | 3n23 | 20n44 | 0n 8 | 24s24 | 0s29 | 22n26 | 0n43 | 1s39 | 2n 5 | 35n24 | 16n11 | 19n58 | 19n37 | 3n45 | | n.a. |

Julian Day Number = 996736.5, Delta T = 12h56m00s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'41, Lahiri = -31°18'40 Julian Calendar 1 Dec. 1985 BCE == Greg. Calendar 14 Nov. 1985 BCE

The year -1984 astronomical counting style corresponds to year 1985 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## JANUARY 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 35 24 | 25♐26'11 | 1♊11 | 17°R33 | 9♒46 | 22°R41 | 0°R 5 | 29♐54 | 24°R 1 | 8♎50 | 3°R31 | 2°R33 | 4♌ 4 | 0♎31 | n.a. | T 1 |
| F 2 | 5 39 21 | 26°26'42 | 15° 9 | 16♐34 | 10°53 | 22♑29 | 29♑59 | 0♑ 1 | 23♋59 | 8°51 | 3♌30 | 2♌27 | 4° 1 | 0°38 | n.a. | F 2 |
| S 3 | 5 43 17 | 27°27'11 | 28°51 | 15°40 | 12° 1 | 22°18 | 29°52 | 0° 9 | 23°57 | 8°52 | 3°29 | 2°22 | 3°58 | 0°45 | n.a. | S 3 |
| S 4 | 5 47 14 | 28°27'38 | 12♋15 | 14°53 | 13° 8 | 22° 8 | 29°46 | 0°16 | 23°55 | 8°52 | 3°28 | 2°19 | 3°55 | 0°51 | n.a. | S 4 |
| M 5 | 5 51 10 | 29°28'04 | 25°19 | 14°14 | 14°14 | 21°58 | 29°40 | 0°23 | 23°53 | 8°53 | 3°26 | 2°17 | 3°52 | 0°58 | n.a. | M 5 |
| T 6 | 5 55 7 | 0♑28'28 | 8♌ 3 | 13°41 | 15°21 | 21°50 | 29°34 | 0°31 | 23°50 | 8°54 | 3°25 | 2°D17 | 3°48 | 1° 5 | n.a. | T 6 |
| W 7 | 5 59 3 | 1°28'50 | 20°29 | 13°17 | 16°27 | 21°42 | 29°28 | 0°38 | 23°48 | 8°54 | 3°24 | 2°18 | 3°45 | 1°11 | n.a. | W 7 |
| T 8 | 6 3 0 | 2°29'10 | 2♍40 | 13° 0 | 17°33 | 21°35 | 29°22 | 0°45 | 23°46 | 8°55 | 3°22 | 2°20 | 3°42 | 1°18 | n.a. | T 8 |
| F 9 | 6 6 57 | 3°29'29 | 14°39 | 12°50 | 18°39 | 21°29 | 29°17 | 0°53 | 23°43 | 8°56 | 3°21 | 2°22 | 3°39 | 1°25 | n.a. | F 9 |
| S 10 | 6 10 53 | 4°29'45 | 26°33 | 12°D47 | 19°45 | 21°23 | 29°11 | 1° 0 | 23°41 | 8°56 | 3°20 | 2°23 | 3°36 | 1°31 | n.a. | S 10 |
| S 11 | 6 14 50 | 5°30'00 | 8♎24 | 12°51 | 20°50 | 21°18 | 29° 6 | 1° 7 | 23°38 | 8°57 | 3°18 | 2°R23 | 3°33 | 1°38 | n.a. | S 11 |
| M12 | 6 18 46 | 6°30'14 | 20°19 | 13° 1 | 21°55 | 21°14 | 29° 1 | 1°15 | 23°36 | 8°57 | 3°17 | 2°23 | 3°29 | 1°45 | n.a. | M12 |
| T 13 | 6 22 43 | 7°30'26 | 2♏21 | 13°17 | 23° 0 | 21°11 | 28°56 | 1°22 | 23°33 | 8°58 | 3°16 | 2°20 | 3°26 | 1°52 | n.a. | T 13 |
| W14 | 6 26 39 | 8°30'35 | 14°36 | 13°39 | 24° 4 | 21° 9 | 28°51 | 1°29 | 23°31 | 8°58 | 3°14 | 2°17 | 3°23 | 1°58 | n.a. | W14 |
| T 15 | 6 30 36 | 9°30'44 | 27° 6 | 14° 6 | 25° 9 | 21° 7 | 28°46 | 1°37 | 23°28 | 8°59 | 3°13 | 2°14 | 3°20 | 2° 5 | n.a. | T 15 |
| F 16 | 6 34 32 | 10°30'50 | 9♐54 | 14°38 | 26°12 | 21° 7 | 28°42 | 1°44 | 23°26 | 8°59 | 3°11 | 2°10 | 3°17 | 2°12 | n.a. | F 16 |
| S 17 | 6 38 29 | 11°30'54 | 23° 1 | 15°14 | 27°16 | 21°D 7 | 28°38 | 1°51 | 23°23 | 8°59 | 3°10 | 2° 7 | 3°14 | 2°18 | n.a. | S 17 |
| S 18 | 6 42 25 | 12°30'57 | 6♑27 | 15°54 | 28°19 | 21° 7 | 28°34 | 1°59 | 23°21 | 9° 0 | 3° 8 | 2° 5 | 3°10 | 2°25 | n.a. | S 18 |
| M19 | 6 46 22 | 13°30'57 | 20°10 | 16°39 | 29°22 | 21° 9 | 28°30 | 2° 6 | 23°18 | 9° 0 | 3° 7 | 2° 3 | 3° 7 | 2°32 | n.a. | M19 |
| T 20 | 6 50 19 | 14°30'56 | 4♒ 7 | 17°26 | 0♓25 | 21°11 | 28°26 | 2°13 | 23°16 | 9° 0 | 3° 5 | 2°D 3 | 3° 4 | 2°38 | n.a. | T 20 |
| W21 | 6 54 15 | 15°30'52 | 18°15 | 18°18 | 1°27 | 21°14 | 28°22 | 2°20 | 23°13 | 9° 0 | 3° 4 | 2° 4 | 3° 1 | 2°45 | n.a. | W21 |
| T 22 | 6 58 12 | 16°30'45 | 2♓30 | 19°12 | 2°29 | 21°17 | 28°19 | 2°28 | 23°11 | 9° 0 | 3° 2 | 2° 5 | 2°58 | 2°52 | n.a. | T 22 |
| F 23 | 7 2 8 | 17°30'36 | 16°47 | 20° 9 | 3°30 | 21°21 | 28°16 | 2°35 | 23° 8 | 9° 0 | 3° 1 | 2° 6 | 2°54 | 2°59 | n.a. | F 23 |
| S 24 | 7 6 5 | 18°30'25 | 1♈ 5 | 21° 9 | 4°31 | 21°26 | 28°13 | 2°42 | 23° 5 | 9° 1 | 2°59 | 2° 7 | 2°51 | 3° 5 | n.a. | S 24 |
| S 25 | 7 10 1 | 19°30'11 | 15°19 | 22°12 | 5°32 | 21°32 | 28°10 | 2°49 | 23° 3 | 9° 1 | 2°57 | 2°R 7 | 2°48 | 3°12 | n.a. | S 25 |
| M26 | 7 13 58 | 20°29'55 | 29°27 | 23°17 | 6°32 | 21°38 | 28° 7 | 2°56 | 23° 0 | 9°R 1 | 2°56 | 2° 7 | 2°45 | 3°19 | n.a. | M26 |
| T 27 | 7 17 54 | 21°29'36 | 13♉28 | 24°24 | 7°32 | 21°45 | 28° 5 | 3° 4 | 22°57 | 9° 1 | 2°54 | 2° 6 | 2°42 | 3°25 | n.a. | T 27 |
| W28 | 7 21 51 | 22°29'15 | 27°19 | 25°34 | 8°31 | 21°53 | 28° 3 | 3°11 | 22°55 | 9° 1 | 2°53 | 2° 5 | 2°39 | 3°32 | n.a. | W28 |
| T 29 | 7 25 48 | 23°28'52 | 11♊ 0 | 26°45 | 9°30 | 22° 1 | 28° 1 | 3°18 | 22°52 | 9° 1 | 2°51 | 2° 4 | 2°35 | 3°39 | n.a. | T 29 |
| F 30 | 7 29 44 | 24°28'26 | 24°29 | 27°59 | 10°29 | 22°10 | 27°59 | 3°25 | 22°50 | 9° 0 | 2°50 | 2° 3 | 2°32 | 3°46 | n.a. | F 30 |
| S 31 | 7 33 41 | 25♑27'58 | 7♋44 | 29♐14 | 11♓27 | 22♑19 | 27♑57 | 3♑32 | 22♋47 | 9♎ 0 | 2♌48 | 2♌ 3 | 2♌29 | 3♎52 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 23 s50 | 16n22 | 4 s32 | 19 s31 | 3n49 | 18 s57 | 0 s49 | 22n 5 | 3n23 | 20n43 | 0n 8 | 24 s24 | 0 s29 | 22n27 | 0n43 | 1 s39 | 2n 5 | 35n25 | 16n11 | 19n59 | 19n38 | 3n43 | | n.a. | T 1 |
| F 2 | 23 52 | 19 17 | 3 49 | 19 27 | 3 48 | 18 34 | 0 45 | 22 1 | 3 23 | 20 41 | 0 8 | 24 24 | 0 29 | 22 27 | 0 43 | 1 40 | 2 5 | 35 25 | 16 12 | 20 0 | 19 38 | 3 40 | | n.a. | F 2 |
| S 3 | 23 54 | 21 3 | 2 52 | 19 24 | 3 45 | 18 11 | 0 41 | 21 58 | 3 23 | 20 40 | 0 9 | 24 24 | 0 29 | 22 28 | 0 43 | 1 40 | 2 5 | 35 26 | 16 12 | 20 2 | 19 39 | 3 38 | | n.a. | S 3 |
| S 4 | 23 55 | 21 34 | 1 47 | 19 24 | 3 40 | 17 48 | 0 37 | 21 55 | 3 22 | 20 39 | 0 9 | 24 24 | 0 29 | 22 28 | 0 43 | 1 40 | 2 6 | 35 27 | 16 12 | 20 2 | 19 40 | 3 36 | | n.a. | S 4 |
| M 5 | 23 55 | 20 53 | 0 38 | 19 26 | 3 34 | 17 24 | 0 33 | 21 52 | 3 22 | 20 38 | 0 9 | 24 24 | 0 29 | 22 28 | 0 43 | 1 40 | 2 6 | 35 27 | 16 13 | 20 3 | 19 41 | 3 34 | | n.a. | M 5 |
| T 6 | 23 55 | 19 8 | 0n31 | 19 30 | 3 26 | 17 0 | 0 28 | 21 49 | 3 21 | 20 36 | 0 9 | 24 24 | 0 29 | 22 29 | 0 43 | 1 41 | 2 6 | 35 28 | 16 13 | 20 3 | 19 41 | 3 31 | | n.a. | T 6 |
| W 7 | 23 55 | 16 30 | 1 38 | 19 35 | 3 17 | 16 36 | 0 24 | 21 47 | 3 21 | 20 35 | 0 9 | 24 25 | 0 29 | 22 29 | 0 43 | 1 41 | 2 6 | 35 29 | 16 13 | 20 3 | 19 42 | 3 29 | | n.a. | W 7 |
| T 8 | 23 54 | 13 12 | 2 39 | 19 43 | 3 8 | 16 11 | 0 19 | 21 44 | 3 20 | 20 34 | 0 9 | 24 25 | 0 29 | 22 30 | 0 43 | 1 41 | 2 6 | 35 29 | 16 14 | 20 2 | 19 43 | 3 27 | | n.a. | T 8 |
| F 9 | 23 52 | 9 24 | 3 32 | 19 52 | 2 57 | 15 46 | 0 15 | 21 42 | 3 20 | 20 33 | 0 9 | 24 25 | 0 29 | 22 30 | 0 43 | 1 41 | 2 6 | 35 30 | 16 14 | 20 2 | 19 44 | 3 25 | | n.a. | F 9 |
| S 10 | 23 51 | 5 17 | 4 15 | 20 2 | 2 46 | 15 21 | 0 10 | 21 40 | 3 19 | 20 32 | 0 9 | 24 25 | 0 30 | 22 31 | 0 43 | 1 41 | 2 6 | 35 31 | 16 14 | 20 1 | 19 44 | 3 22 | | n.a. | S 10 |
| S 11 | 23 48 | 0 59 | 4 47 | 20 14 | 2 35 | 14 55 | 0 5 | 21 38 | 3 18 | 20 31 | 0 10 | 24 25 | 0 30 | 22 31 | 0 43 | 1 41 | 2 6 | 35 31 | 16 15 | 20 1 | 19 45 | 3 20 | | n.a. | S 11 |
| M12 | 23 45 | 3 s22 | 5 7 | 20 27 | 2 24 | 14 29 | 0 0 | 21 36 | 3 18 | 20 30 | 0 10 | 24 25 | 0 30 | 22 31 | 0 43 | 1 42 | 2 6 | 35 32 | 16 15 | 20 2 | 19 46 | 3 18 | | n.a. | M12 |
| T 13 | 23 42 | 7 37 | 5 14 | 20 40 | 2 12 | 14 3 | 0n 5 | 21 35 | 3 17 | 20 29 | 0 10 | 24 25 | 0 30 | 22 32 | 0 43 | 1 42 | 2 6 | 35 33 | 16 15 | 20 2 | 19 47 | 3 15 | | n.a. | T 13 |
| W14 | 23 38 | 11 39 | 5 7 | 20 55 | 2 0 | 13 36 | 0 10 | 21 33 | 3 16 | 20 28 | 0 10 | 24 25 | 0 30 | 22 32 | 0 43 | 1 42 | 2 6 | 35 33 | 16 16 | 20 3 | 19 47 | 3 13 | | n.a. | W14 |
| T 15 | 23 34 | 15 17 | 4 45 | 21 10 | 1 48 | 13 10 | 0 15 | 21 32 | 3 16 | 20 27 | 0 10 | 24 25 | 0 30 | 22 33 | 0 43 | 1 42 | 2 6 | 35 34 | 16 16 | 20 4 | 19 48 | 3 11 | | n.a. | T 15 |
| F 16 | 23 30 | 18 17 | 4 9 | 21 25 | 1 36 | 12 43 | 0 20 | 21 31 | 3 15 | 20 26 | 0 10 | 24 25 | 0 30 | 22 33 | 0 43 | 1 42 | 2 6 | 35 35 | 16 16 | 20 4 | 19 49 | 3 9 | | n.a. | F 16 |
| S 17 | 23 25 | 20 25 | 3 19 | 21 41 | 1 25 | 12 16 | 0 26 | 21 31 | 3 14 | 20 25 | 0 10 | 24 25 | 0 30 | 22 34 | 0 43 | 1 42 | 2 6 | 35 35 | 16 16 | 20 5 | 19 50 | 3 6 | | n.a. | S 17 |
| S 18 | 23 19 | 21 29 | 2 17 | 21 57 | 1 13 | 11 49 | 0 31 | 21 30 | 3 13 | 20 25 | 0 11 | 24 25 | 0 30 | 22 34 | 0 44 | 1 42 | 2 7 | 35 36 | 16 17 | 20 6 | 19 50 | 3 4 | | n.a. | S 18 |
| M19 | 23 13 | 21 18 | 1 5 | 22 13 | 1 2 | 11 21 | 0 37 | 21 29 | 3 12 | 20 24 | 0 11 | 24 25 | 0 30 | 22 35 | 0 44 | 1 42 | 2 7 | 35 37 | 16 17 | 20 6 | 19 51 | 3 2 | | n.a. | M19 |
| T 20 | 23 7 | 19 48 | 0 s11 | 22 28 | 0 51 | 10 54 | 0 42 | 21 29 | 3 11 | 20 23 | 0 11 | 24 25 | 0 30 | 22 35 | 0 44 | 1 42 | 2 7 | 35 37 | 16 17 | 20 6 | 19 52 | 2 59 | | n.a. | T 20 |
| W21 | 23 0 | 17 4 | 1 28 | 22 44 | 0 40 | 10 26 | 0 48 | 21 29 | 3 10 | 20 22 | 0 11 | 24 24 | 0 31 | 22 36 | 0 44 | 1 42 | 2 7 | 35 38 | 16 17 | 20 6 | 19 53 | 2 57 | | n.a. | W21 |
| T 22 | 22 53 | 13 17 | 2 40 | 22 59 | 0 29 | 9 58 | 0 54 | 21 29 | 3 10 | 20 22 | 0 11 | 24 24 | 0 31 | 22 36 | 0 44 | 1 42 | 2 7 | 35 38 | 16 18 | 20 6 | 19 53 | 2 55 | | n.a. | T 22 |
| F 23 | 22 45 | 8 44 | 3 43 | 23 14 | 0 19 | 9 30 | 0 59 | 21 29 | 3 9 | 20 21 | 0 11 | 24 24 | 0 31 | 22 37 | 0 44 | 1 42 | 2 7 | 35 39 | 16 18 | 20 5 | 19 54 | 2 52 | | n.a. | F 23 |
| S 24 | 22 37 | 3 42 | 4 31 | 23 29 | 0 8 | 9 2 | 1 5 | 21 30 | 3 8 | 20 21 | 0 11 | 24 24 | 0 31 | 22 37 | 0 44 | 1 42 | 2 7 | 35 40 | 16 18 | 20 5 | 19 55 | 2 50 | | n.a. | S 24 |
| S 25 | 22 28 | 1n30 | 5 3 | 23 43 | 0 s 1 | 8 34 | 1 11 | 21 31 | 3 7 | 20 20 | 0 11 | 24 24 | 0 31 | 22 37 | 0 44 | 1 42 | 2 7 | 35 40 | 16 18 | 20 5 | 19 56 | 2 48 | | n.a. | S 25 |
| M26 | 22 19 | 6 35 | 5 16 | 23 56 | 0 11 | 8 6 | 1 17 | 21 31 | 3 6 | 20 20 | 0 11 | 24 24 | 0 31 | 22 38 | 0 44 | 1 42 | 2 7 | 35 41 | 16 18 | 20 5 | 19 56 | 2 45 | | n.a. | M26 |
| T 27 | 22 10 | 11 16 | 5 10 | 24 8 | 0 20 | 7 38 | 1 23 | 21 32 | 3 5 | 20 19 | 0 12 | 24 24 | 0 31 | 22 38 | 0 44 | 1 42 | 2 7 | 35 41 | 16 18 | 20 5 | 19 57 | 2 43 | | n.a. | T 27 |
| W28 | 22 0 | 15 19 | 4 47 | 24 20 | 0 29 | 7 9 | 1 30 | 21 33 | 3 4 | 20 19 | 0 12 | 24 24 | 0 31 | 22 39 | 0 44 | 1 42 | 2 7 | 35 42 | 16 19 | 20 6 | 19 58 | 2 41 | | n.a. | W28 |
| T 29 | 21 50 | 18 29 | 4 7 | 24 31 | 0 38 | 6 41 | 1 36 | 21 35 | 3 3 | 20 18 | 0 12 | 24 24 | 0 31 | 22 39 | 0 44 | 1 42 | 2 7 | 35 43 | 16 19 | 20 6 | 19 59 | 2 39 | | n.a. | T 29 |
| F 30 | 21 39 | 20 35 | 3 13 | 24 40 | 0 46 | 6 13 | 1 42 | 21 36 | 3 2 | 20 18 | 0 12 | 24 24 | 0 31 | 22 40 | 0 44 | 1 42 | 2 7 | 35 43 | 16 19 | 20 6 | 19 59 | 2 36 | | n.a. | F 30 |
| S 31 | 21 s28 | 21n31 | 2 s11 | 24 s49 | 0 s54 | 5 s45 | 1n48 | 21n38 | 3n 1 | 20n18 | 0n12 | 24 s24 | 0 s31 | 22n40 | 0n44 | 1 s42 | 2n 7 | 35n44 | 16n19 | 20n 6 | 20n 0 | 2n34 | | n.a. | S 31 |

Julian Day Number = 996767.5, Delta T = 12h55m58s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'36, Lahiri = -31°18'36 Julian Calendar 1 Jan. 1984 BCE == Greg. Calendar 15 Dec. 1985 BCE


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## FEBRUARY 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 37 37 | 26♑27'27 | 20♋46 | 0♑31 | 12♓24 | 22♉29 | 27°R56 | 3♑39 | 22°R44 | 9°R 0 | 2°R46 | 2°R 2 | 2♌26 | 3♎59 | n.a. | S 1 |
| M 2 | 7 41 34 | 27°26'54 | 3♌32 | 1°50 | 13°21 | 22°39 | 27♉54 | 3°46 | 22♋42 | 9♎ 0 | 2♌45 | 2°D 2 | 2°23 | 4° 6 | n.a. | M 2 |
| T 3 | 7 45 30 | 28°26'19 | 16° 5 | 3°11 | 14°17 | 22°50 | 27°53 | 3°53 | 22°39 | 9° 0 | 2°43 | 2♌ 2 | 2°19 | 4°12 | n.a. | T 3 |
| W 4 | 7 49 27 | 29°25'42 | 28°24 | 4°33 | 15°13 | 23° 2 | 27°52 | 4° 0 | 22°37 | 8°59 | 2°41 | 2° 2 | 2°16 | 4°19 | n.a. | W 4 |
| T 5 | 7 53 23 | 0♒25'03 | 10♍32 | 5°57 | 16° 8 | 23°14 | 27°51 | 4° 7 | 22°34 | 8°59 | 2°40 | 2° 3 | 2°13 | 4°26 | n.a. | T 5 |
| F 6 | 7 57 20 | 1°24'21 | 22°32 | 7°22 | 17° 2 | 23°27 | 27°51 | 4°13 | 22°31 | 8°59 | 2°38 | 2° 3 | 2°10 | 4°32 | n.a. | F 6 |
| S 7 | 8 1 16 | 2°23'38 | 4♎25 | 8°49 | 17°56 | 23°40 | 27°51 | 4°20 | 22°29 | 8°58 | 2°37 | 2°R 3 | 2° 7 | 4°39 | n.a. | S 7 |
| S 8 | 8 5 13 | 3°22'52 | 16°17 | 10°18 | 18°50 | 23°54 | 27°D50 | 4°27 | 22°26 | 8°58 | 2°35 | 2° 3 | 2° 4 | 4°46 | n.a. | S 8 |
| M 9 | 8 9 10 | 4°22'05 | 28°12 | 11°47 | 19°42 | 24° 8 | 27°51 | 4°34 | 22°24 | 8°57 | 2°33 | 2° 3 | 2° 0 | 4°53 | n.a. | M 9 |
| T 10 | 8 13 6 | 5°21'16 | 10♏14 | 13°19 | 20°34 | 24°22 | 27°51 | 4°40 | 22°21 | 8°57 | 2°32 | 2°D 3 | 1°57 | 4°59 | n.a. | T 10 |
| W11 | 8 17 3 | 6°20'24 | 22°27 | 14°51 | 21°25 | 24°37 | 27°51 | 4°47 | 22°19 | 8°57 | 2°30 | 2° 3 | 1°54 | 5° 6 | n.a. | W11 |
| T 12 | 8 20 59 | 7°19'31 | 4♐57 | 16°26 | 22°16 | 24°53 | 27°52 | 4°54 | 22°16 | 8°56 | 2°28 | 2° 3 | 1°51 | 5°13 | n.a. | T 12 |
| F 13 | 8 24 56 | 8°18'36 | 17°46 | 18° 1 | 23° 5 | 25° 9 | 27°53 | 5° 0 | 22°14 | 8°55 | 2°27 | 2° 4 | 1°48 | 5°19 | n.a. | F 13 |
| S 14 | 8 28 52 | 9°17'39 | 0♑58 | 19°38 | 23°54 | 25°25 | 27°54 | 5° 7 | 22°11 | 8°55 | 2°25 | 2° 4 | 1°45 | 5°26 | n.a. | S 14 |
| S 15 | 8 32 49 | 10°16'40 | 14°33 | 21°17 | 24°42 | 25°42 | 27°55 | 5°13 | 22° 9 | 8°54 | 2°24 | 2° 5 | 1°41 | 5°33 | n.a. | S 15 |
| M16 | 8 36 45 | 11°15'39 | 28°32 | 22°57 | 25°30 | 26° 0 | 27°56 | 5°20 | 22° 6 | 8°54 | 2°22 | 2°R 5 | 1°38 | 5°40 | n.a. | M16 |
| T 17 | 8 40 42 | 12°14'35 | 12♒50 | 24°38 | 26°16 | 26°17 | 27°58 | 5°26 | 22° 4 | 8°53 | 2°20 | 2° 5 | 1°35 | 5°46 | n.a. | T 17 |
| W18 | 8 44 38 | 13°13'30 | 27°24 | 26°21 | 27° 1 | 26°36 | 27°59 | 5°33 | 22° 2 | 8°52 | 2°19 | 2° 5 | 1°32 | 5°53 | n.a. | W18 |
| T 19 | 8 48 35 | 14°12'22 | 12♓ 7 | 28° 5 | 27°46 | 26°54 | 28° 1 | 5°39 | 21°59 | 8°51 | 2°17 | 2° 3 | 1°29 | 6° 0 | n.a. | T 19 |
| F 20 | 8 52 32 | 15°11'12 | 26°52 | 29°50 | 28°29 | 27°13 | 28° 4 | 5°45 | 21°57 | 8°51 | 2°16 | 2° 2 | 1°25 | 6° 6 | n.a. | F 20 |
| S 21 | 8 56 28 | 16° 9'59 | 11♈32 | 1♒37 | 29°12 | 27°32 | 28° 6 | 5°52 | 21°55 | 8°50 | 2°14 | 2° 0 | 1°22 | 6°13 | n.a. | S 21 |
| S 22 | 9 0 25 | 17° 8'44 | 26° 1 | 3°26 | 29°53 | 27°52 | 28° 8 | 5°58 | 21°52 | 8°49 | 2°12 | 1°59 | 1°19 | 6°20 | n.a. | S 22 |
| M23 | 9 4 21 | 18° 7'26 | 10♉16 | 5°16 | 0♈33 | 28°12 | 28°11 | 6° 4 | 21°50 | 8°48 | 2°11 | 1°58 | 1°16 | 6°27 | n.a. | M23 |
| T 24 | 9 8 18 | 19° 6'06 | 24°13 | 7° 7 | 1°12 | 28°33 | 28°14 | 6°10 | 21°48 | 8°47 | 2° 9 | 1°D58 | 1°13 | 6°33 | n.a. | T 24 |
| W25 | 9 12 14 | 20° 4'44 | 7♊53 | 9° 0 | 1°50 | 28°53 | 28°17 | 6°16 | 21°46 | 8°46 | 2° 8 | 1°59 | 1°10 | 6°40 | n.a. | W25 |
| T 26 | 9 16 11 | 21° 3'19 | 21°16 | 10°55 | 2°27 | 29°15 | 28°20 | 6°22 | 21°43 | 8°45 | 2° 6 | 2° 0 | 1° 6 | 6°47 | n.a. | T 26 |
| F 27 | 9 20 7 | 22° 1'52 | 4♋23 | 12°51 | 3° 2 | 29°36 | 28°23 | 6°28 | 21°41 | 8°45 | 2° 5 | 2° 1 | 1° 3 | 6°53 | n.a. | F 27 |
| S 28 | 9 24 4 | 23♒ 0'23 | 17♋15 | 14♒48 | 3♈36 | 29♉58 | 28♉27 | 6♑34 | 21♋39 | 8♎44 | 2♌ 3 | 2♌ 3 | 1♌ 0 | 7♎ 0 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| S 1 | 21s17 | 21n15 | 1s 2 | 24s57 | 1s 2 | 5s17 | 1n55 | 21n39 | 3n 0 | 20n18 | 0n12 | 24s24 | 0s32 | 22n41 | 0n44 | 1s41 | 2n 7 | 35n44 | 16n19 | 20n 6 | 20n 1 | 2n32 | | | n.a. |
| M 2 | 21 5 | 19 53 | 0n 8 | 25 3 | 1 9 | 4 49 | 2 1 | 21 41 | 2 59 | 20 17 | 0 12 | 24 24 | 0 32 | 22 41 | 0 44 | 1 41 | 2 8 | 35 45 | 16 19 | 20 6 | 20 2 | 2 29 | | | n.a. |
| T 3 | 20 53 | 17 34 | 1 17 | 25 8 | 1 16 | 4 21 | 2 8 | 21 43 | 2 58 | 20 17 | 0 12 | 24 23 | 0 32 | 22 42 | 0 44 | 1 41 | 2 8 | 35 45 | 16 19 | 20 6 | 20 2 | 2 27 | | | n.a. |
| W 4 | 20 41 | 14 28 | 2 21 | 25 12 | 1 22 | 3 53 | 2 14 | 21 45 | 2 57 | 20 17 | 0 12 | 24 23 | 0 32 | 22 42 | 0 44 | 1 41 | 2 8 | 35 46 | 16 19 | 20 6 | 20 3 | 2 25 | | | n.a. |
| T 5 | 20 28 | 10 48 | 3 18 | 25 15 | 1 28 | 3 25 | 2 21 | 21 47 | 2 56 | 20 17 | 0 13 | 24 23 | 0 32 | 22 42 | 0 44 | 1 41 | 2 8 | 35 46 | 16 20 | 20 6 | 20 4 | 2 22 | | | n.a. |
| F 6 | 20 15 | 6 46 | 4 5 | 25 16 | 1 34 | 2 57 | 2 28 | 21 50 | 2 55 | 20 17 | 0 13 | 24 23 | 0 32 | 22 43 | 0 44 | 1 41 | 2 8 | 35 47 | 16 20 | 20 6 | 20 4 | 2 20 | | | n.a. |
| S 7 | 20 1 | 2 30 | 4 41 | 25 16 | 1 39 | 2 30 | 2 35 | 21 52 | 2 54 | 20 17 | 0 13 | 24 23 | 0 32 | 22 43 | 0 44 | 1 40 | 2 8 | 35 47 | 16 20 | 20 6 | 20 5 | 2 18 | | | n.a. |
| S 8 | 19 47 | 1s51 | 5 5 | 25 15 | 1 44 | 2 2 | 2 41 | 21 55 | 2 53 | 20 17 | 0 13 | 24 23 | 0 32 | 22 44 | 0 44 | 1 40 | 2 8 | 35 48 | 16 20 | 20 6 | 20 6 | 2 15 | | | n.a. |
| M 9 | 19 33 | 6 8 | 5 17 | 25 11 | 1 49 | 1 35 | 2 48 | 21 57 | 2 52 | 20 17 | 0 13 | 24 23 | 0 32 | 22 44 | 0 44 | 1 40 | 2 8 | 35 48 | 16 20 | 20 6 | 20 7 | 2 13 | | | n.a. |
| T 10 | 19 19 | 10 13 | 5 14 | 25 7 | 1 53 | 1 8 | 2 55 | 22 0 | 2 51 | 20 17 | 0 13 | 24 23 | 0 32 | 22 45 | 0 44 | 1 40 | 2 8 | 35 49 | 16 20 | 20 6 | 20 7 | 2 11 | | | n.a. |
| W11 | 19 4 | 13 58 | 4 57 | 25 0 | 1 56 | 0 42 | 3 2 | 22 3 | 2 50 | 20 18 | 0 13 | 24 22 | 0 33 | 22 45 | 0 44 | 1 39 | 2 8 | 35 49 | 16 20 | 20 6 | 20 8 | 2 8 | | | n.a. |
| T 12 | 18 49 | 17 11 | 4 27 | 24 52 | 2 0 | 0 15 | 3 9 | 22 6 | 2 49 | 20 18 | 0 13 | 24 22 | 0 33 | 22 45 | 0 44 | 1 39 | 2 8 | 35 50 | 16 20 | 20 6 | 20 9 | 2 6 | | | n.a. |
| F 13 | 18 33 | 19 40 | 3 42 | 24 42 | 2 3 | 0n11 | 3 16 | 22 9 | 2 48 | 20 18 | 0 13 | 24 22 | 0 33 | 22 46 | 0 44 | 1 39 | 2 8 | 35 50 | 16 20 | 20 6 | 20 10 | 2 4 | | | n.a. |
| S 14 | 18 17 | 21 11 | 2 44 | 24 31 | 2 5 | 0 37 | 3 22 | 22 12 | 2 47 | 20 18 | 0 13 | 24 22 | 0 33 | 22 46 | 0 44 | 1 39 | 2 8 | 35 50 | 16 20 | 20 6 | 20 10 | 2 1 | | | n.a. |
| S 15 | 18 1 | 21 31 | 1 36 | 24 17 | 2 7 | 1 3 | 3 29 | 22 15 | 2 46 | 20 19 | 0 14 | 24 22 | 0 33 | 22 47 | 0 44 | 1 38 | 2 8 | 35 51 | 16 20 | 20 6 | 20 11 | 1 59 | | | n.a. |
| M16 | 17 45 | 20 33 | 0 20 | 24 2 | 2 8 | 1 28 | 3 36 | 22 19 | 2 45 | 20 19 | 0 14 | 24 22 | 0 33 | 22 47 | 0 44 | 1 38 | 2 8 | 35 51 | 16 20 | 20 6 | 20 12 | 1 57 | | | n.a. |
| T 17 | 17 28 | 18 15 | 0s59 | 23 45 | 2 9 | 1 54 | 3 43 | 22 22 | 2 44 | 20 20 | 0 14 | 24 22 | 0 33 | 22 47 | 0 44 | 1 38 | 2 9 | 35 52 | 16 20 | 20 6 | 20 12 | 1 54 | | | n.a. |
| W18 | 17 11 | 14 44 | 2 16 | 23 26 | 2 10 | 2 18 | 3 50 | 22 25 | 2 43 | 20 20 | 0 14 | 24 21 | 0 33 | 22 48 | 0 44 | 1 37 | 2 9 | 35 52 | 16 20 | 20 6 | 20 13 | 1 52 | | | n.a. |
| T 19 | 16 54 | 10 17 | 3 24 | 23 5 | 2 10 | 2 43 | 3 57 | 22 29 | 2 42 | 20 21 | 0 14 | 24 21 | 0 33 | 22 48 | 0 44 | 1 37 | 2 9 | 35 52 | 16 20 | 20 6 | 20 14 | 1 50 | | | n.a. |
| F 20 | 16 36 | 5 13 | 4 19 | 22 42 | 2 9 | 3 7 | 4 4 | 22 33 | 2 41 | 20 21 | 0 14 | 24 21 | 0 34 | 22 49 | 0 44 | 1 37 | 2 9 | 35 53 | 16 20 | 20 6 | 20 15 | 1 47 | | | n.a. |
| S 21 | 16 19 | 0n 7 | 4 56 | 22 17 | 2 8 | 3 30 | 4 11 | 22 36 | 2 40 | 20 22 | 0 14 | 24 21 | 0 34 | 22 49 | 0 44 | 1 36 | 2 9 | 35 53 | 16 20 | 20 7 | 20 15 | 1 45 | | | n.a. |
| S 22 | 16 1 | 5 22 | 5 14 | 21 50 | 2 7 | 3 53 | 4 18 | 22 40 | 2 39 | 20 23 | 0 14 | 24 21 | 0 34 | 22 49 | 0 44 | 1 36 | 2 9 | 35 53 | 16 20 | 20 7 | 20 16 | 1 42 | | | n.a. |
| M23 | 15 42 | 10 15 | 5 13 | 21 21 | 2 5 | 4 16 | 4 25 | 22 44 | 2 38 | 20 23 | 0 14 | 24 21 | 0 34 | 22 50 | 0 44 | 1 35 | 2 9 | 35 54 | 16 19 | 20 7 | 20 17 | 1 40 | | | n.a. |
| T 24 | 15 24 | 14 29 | 4 53 | 20 50 | 2 2 | 4 38 | 4 32 | 22 47 | 2 37 | 20 24 | 0 14 | 24 20 | 0 34 | 22 50 | 0 44 | 1 35 | 2 9 | 35 54 | 16 19 | 20 7 | 20 17 | 1 38 | | | n.a. |
| W25 | 15 5 | 17 51 | 4 16 | 20 17 | 1 59 | 5 0 | 4 39 | 22 51 | 2 36 | 20 25 | 0 15 | 24 20 | 0 34 | 22 50 | 0 44 | 1 35 | 2 9 | 35 54 | 16 19 | 20 7 | 20 18 | 1 35 | | | n.a. |
| T 26 | 14 46 | 20 12 | 3 26 | 19 41 | 1 55 | 5 21 | 4 46 | 22 55 | 2 35 | 20 26 | 0 15 | 24 20 | 0 34 | 22 51 | 0 44 | 1 34 | 2 9 | 35 54 | 16 19 | 20 7 | 20 19 | 1 33 | | | n.a. |
| F 27 | 14 27 | 21 24 | 2 27 | 19 4 | 1 51 | 5 41 | 4 53 | 22 59 | 2 34 | 20 26 | 0 15 | 24 20 | 0 34 | 22 51 | 0 43 | 1 34 | 2 9 | 35 55 | 16 19 | 20 6 | 20 20 | 1 31 | | | n.a. |
| S 28 | 14s 7 | 21n27 | 1s21 | 18s25 | 1s46 | 6n 1 | 4n59 | 23n 3 | 2n34 | 20n27 | 0n15 | 24s20 | 0s34 | 22n51 | 0n43 | 1s33 | 2n 9 | 35n55 | 16n19 | 20n 6 | 20n20 | 1n28 | | | n.a. |

Julian Day Number = 996798.5, Delta T = 12h55m56s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'32, Lahiri = -31°18'32 Julian Calendar 1 Feb. 1984 BCE == Greg. Calendar 15 Jan. 1984 BCE


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## MARCH 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 28 0 | 23♒58'51 | 29♋55 | 16♒47 | 4♈ 9 | 0♊20 | 28♉31 | 6♑39 | 21°R37 | 8°R43 | 2°R 2 | 2°R 3 | 0♌57 | 7♎ 7 | n.a. | S 1 |
| M 2 | 9 31 57 | 24°57'18 | 12♌23 | 18°47 | 4°40 | 0°42 | 28°35 | 6°45 | 21°35 | 8♎41 | 2♌ 0 | 2♌ 3 | 0°54 | 7°14 | n.a. | M 2 |
| T 3 | 9 35 54 | 25°55'42 | 24°40 | 20°49 | 5° 9 | 1° 5 | 28°39 | 6°51 | 21°33 | 8°40 | 1°59 | 2° 1 | 0°51 | 7°20 | n.a. | T 3 |
| W 4 | 9 39 50 | 26°54'04 | 6♍50 | 22°52 | 5°37 | 1°28 | 28°43 | 6°57 | 21°31 | 8°39 | 1°57 | 1°58 | 0°47 | 7°27 | n.a. | W 4 |
| T 5 | 9 43 47 | 27°52'23 | 18°51 | 24°56 | 6° 3 | 1°51 | 28°47 | 7° 2 | 21°29 | 8°38 | 1°56 | 1°55 | 0°44 | 7°34 | n.a. | T 5 |
| F 6 | 9 47 43 | 28°50'42 | 0♎47 | 27° 1 | 6°28 | 2°15 | 28°52 | 7° 8 | 21°27 | 8°37 | 1°54 | 1°50 | 0°41 | 7°40 | n.a. | F 6 |
| S 7 | 9 51 40 | 29°48'58 | 12°40 | 29° 7 | 6°51 | 2°39 | 28°57 | 7°13 | 21°25 | 8°36 | 1°53 | 1°45 | 0°38 | 7°47 | n.a. | S 7 |
| S 8 | 9 55 36 | 0♓47'12 | 24°32 | 1♓14 | 7°12 | 3° 3 | 29° 2 | 7°18 | 21°23 | 8°35 | 1°52 | 1°41 | 0°35 | 7°54 | n.a. | S 8 |
| M 9 | 9 59 33 | 1°45'25 | 6♏27 | 3°22 | 7°31 | 3°27 | 29° 7 | 7°24 | 21°22 | 8°34 | 1°50 | 1°37 | 0°31 | 8° 1 | n.a. | M 9 |
| T 10 | 10 3 29 | 2°43'36 | 18°27 | 5°30 | 7°48 | 3°52 | 29°12 | 7°29 | 21°20 | 8°32 | 1°49 | 1°35 | 0°28 | 8° 7 | n.a. | T 10 |
| W11 | 10 7 26 | 3°41'45 | 0♐39 | 7°38 | 8° 4 | 4°17 | 29°17 | 7°34 | 21°18 | 8°31 | 1°48 | 1°D34 | 0°25 | 8°14 | n.a. | W11 |
| T 12 | 10 11 22 | 4°39'53 | 13° 5 | 9°46 | 8°17 | 4°42 | 29°23 | 7°39 | 21°16 | 8°30 | 1°46 | 1°34 | 0°22 | 8°21 | n.a. | T 12 |
| F 13 | 10 15 19 | 5°37'59 | 25°50 | 11°53 | 8°28 | 5° 7 | 29°28 | 7°44 | 21°15 | 8°29 | 1°45 | 1°35 | 0°19 | 8°27 | n.a. | F 13 |
| S 14 | 10 19 16 | 6°36'04 | 8♑59 | 14° 0 | 8°37 | 5°33 | 29°34 | 7°49 | 21°13 | 8°27 | 1°44 | 1°37 | 0°16 | 8°34 | n.a. | S 14 |
| S 15 | 10 23 12 | 7°34'07 | 22°34 | 16° 6 | 8°44 | 5°59 | 29°40 | 7°54 | 21°12 | 8°26 | 1°42 | 1°38 | 0°12 | 8°41 | n.a. | S 15 |
| M16 | 10 27 9 | 8°32'08 | 6♒36 | 18°11 | 8°49 | 6°25 | 29°46 | 7°59 | 21°10 | 8°25 | 1°41 | 1°R38 | 0° 9 | 8°48 | n.a. | M16 |
| T 17 | 10 31 5 | 9°30'08 | 21° 3 | 20°15 | 8°R51 | 6°51 | 29°52 | 8° 4 | 21° 9 | 8°23 | 1°40 | 1°37 | 0° 6 | 8°54 | n.a. | T 17 |
| W18 | 10 35 2 | 10°28'06 | 5♓52 | 22°16 | 8°51 | 7°18 | 29°59 | 8° 8 | 21° 7 | 8°22 | 1°39 | 1°34 | 0° 3 | 9° 1 | n.a. | W18 |
| T 19 | 10 38 58 | 11°26'02 | 20°56 | 24°15 | 8°49 | 7°44 | 0♊ 5 | 8°13 | 21° 6 | 8°21 | 1°38 | 1°29 | 29♋59 | 9° 8 | n.a. | T 19 |
| F 20 | 10 42 55 | 12°23'56 | 6♈ 4 | 26°12 | 8°44 | 8°11 | 0°12 | 8°18 | 21° 4 | 8°19 | 1°36 | 1°23 | 29°56 | 9°14 | n.a. | F 20 |
| S 21 | 10 46 51 | 13°21'49 | 21° 6 | 28° 6 | 8°37 | 8°39 | 0°19 | 8°22 | 21° 3 | 8°18 | 1°35 | 1°17 | 29°53 | 9°21 | n.a. | S 21 |
| S 22 | 10 50 48 | 14°19'39 | 5♉55 | 29°58 | 8°27 | 9° 6 | 0°26 | 8°26 | 21° 2 | 8°16 | 1°34 | 1°12 | 29°50 | 9°28 | n.a. | S 22 |
| M23 | 10 54 44 | 15°17'28 | 20°24 | 1♈46 | 8°15 | 9°34 | 0°33 | 8°31 | 21° 1 | 8°15 | 1°33 | 1° 7 | 29°47 | 9°35 | n.a. | M23 |
| T 24 | 10 58 41 | 16°15'15 | 4♊28 | 3°31 | 8° 0 | 10° 1 | 0°40 | 8°35 | 21° 0 | 8°13 | 1°32 | 1° 5 | 29°44 | 9°41 | n.a. | T 24 |
| W25 | 11 2 38 | 17°13'00 | 18° 8 | 5°13 | 7°43 | 10°29 | 0°48 | 8°39 | 20°58 | 8°12 | 1°31 | 1°D 4 | 29°41 | 9°48 | n.a. | W25 |
| T 26 | 11 6 34 | 18°10'44 | 1♋24 | 6°51 | 7°24 | 10°58 | 0°55 | 8°43 | 20°57 | 8°10 | 1°30 | 1° 5 | 29°37 | 9°55 | n.a. | T 26 |
| F 27 | 11 10 31 | 19° 8'25 | 14°19 | 8°26 | 7° 2 | 11°26 | 1° 3 | 8°47 | 20°56 | 8° 9 | 1°29 | 1° 6 | 29°34 | 10° 1 | n.a. | F 27 |
| S 28 | 11 14 27 | 20° 6'04 | 26°57 | 9°58 | 6°38 | 11°55 | 1°11 | 8°51 | 20°55 | 8° 7 | 1°28 | 1°R 7 | 29°31 | 10° 8 | n.a. | S 28 |
| S 29 | 11 18 24 | 21° 3'42 | 9♌22 | 11°26 | 6°12 | 12°23 | 1°18 | 8°55 | 20°55 | 8° 6 | 1°27 | 1° 7 | 29°28 | 10°15 | n.a. | S 29 |
| M30 | 11 22 20 | 22° 1'18 | 21°35 | 12°50 | 5°44 | 12°52 | 1°26 | 8°59 | 20°54 | 8° 4 | 1°26 | 1° 5 | 29°25 | 10°22 | n.a. | M30 |
| T 31 | 11 26 17 | 22♓58'53 | 3♍40 | 14♈10 | 5♈14 | 13♊22 | 1♊35 | 9♑ 2 | 20♋53 | 8♎ 3 | 1♌25 | 1♌ 0 | 29♋22 | 10♎28 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 13s48 | 20n23 | 0s12 | 17s43 | 1s41 | 6n20 | 5n 6 | 23n 7 | 2n33 | 20n28 | 0n15 | 24s20 | 0s35 | 22n52 | 0n43 | 1s33 | 2n 9 | 35n55 | 16n19 | 20n 6 | 20n21 | 1n26 | | | n.a. |
| M 2 | 13 28 | 18 20 | 0n57 | 17 0 | 1 35 | 6 39 | 5 13 | 23 11 | 2 32 | 20 29 | 0 15 | 24 19 | 0 35 | 22 52 | 0 43 | 1 32 | 2 9 | 35 55 | 16 19 | 20 6 | 20 22 | 1 24 | | | n.a. |
| T 3 | 13 8 | 15 28 | 2 1 | 16 14 | 1 29 | 6 57 | 5 19 | 23 15 | 2 31 | 20 30 | 0 15 | 24 19 | 0 35 | 22 52 | 0 43 | 1 32 | 2 9 | 35 56 | 16 18 | 20 6 | 20 22 | 1 21 | | | n.a. |
| W 4 | 12 48 | 11 57 | 3 0 | 15 27 | 1 22 | 7 14 | 5 25 | 23 19 | 2 30 | 20 31 | 0 15 | 24 19 | 0 35 | 22 53 | 0 43 | 1 31 | 2 9 | 35 56 | 16 18 | 20 7 | 20 23 | 1 19 | | | n.a. |
| T 5 | 12 27 | 8 0 | 3 49 | 14 38 | 1 14 | 7 30 | 5 32 | 23 23 | 2 29 | 20 32 | 0 15 | 24 19 | 0 35 | 22 53 | 0 43 | 1 31 | 2 9 | 35 56 | 16 18 | 20 8 | 20 24 | 1 16 | | | n.a. |
| F 6 | 12 7 | 3 46 | 4 28 | 13 47 | 1 6 | 7 46 | 5 38 | 23 27 | 2 28 | 20 33 | 0 15 | 24 19 | 0 35 | 22 53 | 0 43 | 1 30 | 2 9 | 35 56 | 16 18 | 20 9 | 20 25 | 1 14 | | | n.a. |
| S 7 | 11 46 | 0s35 | 4 56 | 12 54 | 0 57 | 8 1 | 5 44 | 23 31 | 2 27 | 20 35 | 0 15 | 24 18 | 0 35 | 22 53 | 0 43 | 1 30 | 2 9 | 35 56 | 16 18 | 20 10 | 20 25 | 1 12 | | | n.a. |
| S 8 | 11 25 | 4 54 | 5 10 | 12 0 | 0 48 | 8 15 | 5 50 | 23 35 | 2 26 | 20 36 | 0 15 | 24 18 | 0 35 | 22 54 | 0 43 | 1 29 | 2 10 | 35 57 | 16 18 | 20 11 | 20 26 | 1 9 | | | n.a. |
| M 9 | 11 4 | 9 3 | 5 12 | 11 5 | 0 39 | 8 28 | 5 55 | 23 39 | 2 25 | 20 37 | 0 16 | 24 18 | 0 36 | 22 54 | 0 43 | 1 29 | 2 10 | 35 57 | 16 17 | 20 12 | 20 27 | 1 7 | | | n.a. |
| T 10 | 10 42 | 12 53 | 4 59 | 10 8 | 0 29 | 8 39 | 6 1 | 23 42 | 2 24 | 20 38 | 0 16 | 24 18 | 0 36 | 22 54 | 0 43 | 1 28 | 2 10 | 35 57 | 16 17 | 20 12 | 20 27 | 1 5 | | | n.a. |
| W11 | 10 21 | 16 14 | 4 33 | 9 10 | 0 19 | 8 50 | 6 6 | 23 46 | 2 24 | 20 39 | 0 16 | 24 18 | 0 36 | 22 55 | 0 43 | 1 28 | 2 10 | 35 57 | 16 17 | 20 13 | 20 28 | 1 2 | | | n.a. |
| T 12 | 10 0 | 18 57 | 3 54 | 8 11 | 0 8 | 9 0 | 6 11 | 23 50 | 2 23 | 20 41 | 0 16 | 24 18 | 0 36 | 22 55 | 0 43 | 1 27 | 2 10 | 35 57 | 16 17 | 20 13 | 20 29 | 1 0 | | | n.a. |
| F 13 | 9 38 | 20 48 | 3 3 | 7 12 | 0n 2 | 9 9 | 6 16 | 23 54 | 2 22 | 20 42 | 0 16 | 24 17 | 0 36 | 22 55 | 0 43 | 1 27 | 2 10 | 35 57 | 16 16 | 20 12 | 20 29 | 0 57 | | | n.a. |
| S 14 | 9 16 | 21 36 | 2 0 | 6 13 | 0 13 | 9 17 | 6 20 | 23 58 | 2 21 | 20 43 | 0 16 | 24 17 | 0 36 | 22 55 | 0 43 | 1 26 | 2 10 | 35 57 | 16 16 | 20 12 | 20 30 | 0 55 | | | n.a. |
| S 15 | 8 54 | 21 11 | 0 49 | 5 13 | 0 24 | 9 24 | 6 25 | 24 2 | 2 20 | 20 45 | 0 16 | 24 17 | 0 36 | 22 55 | 0 43 | 1 26 | 2 10 | 35 57 | 16 16 | 20 12 | 20 31 | 0 53 | | | n.a. |
| M16 | 8 32 | 19 26 | 0s27 | 4 13 | 0 35 | 9 29 | 6 28 | 24 6 | 2 19 | 20 46 | 0 16 | 24 17 | 0 36 | 22 56 | 0 43 | 1 25 | 2 10 | 35 57 | 16 16 | 20 12 | 20 31 | 0 50 | | | n.a. |
| T 17 | 8 10 | 16 24 | 1 44 | 3 14 | 0 46 | 9 33 | 6 32 | 24 10 | 2 18 | 20 48 | 0 16 | 24 17 | 0 37 | 22 56 | 0 43 | 1 25 | 2 10 | 35 58 | 16 15 | 20 12 | 20 32 | 0 48 | | | n.a. |
| W18 | 7 47 | 12 15 | 2 55 | 2 15 | 0 57 | 9 36 | 6 35 | 24 13 | 2 17 | 20 49 | 0 16 | 24 17 | 0 37 | 22 56 | 0 43 | 1 24 | 2 10 | 35 58 | 16 15 | 20 13 | 20 33 | 0 46 | | | n.a. |
| T 19 | 7 25 | 7 16 | 3 56 | 1 18 | 1 8 | 9 38 | 6 38 | 24 17 | 2 17 | 20 51 | 0 16 | 24 16 | 0 37 | 22 56 | 0 43 | 1 23 | 2 10 | 35 58 | 16 15 | 20 14 | 20 34 | 0 43 | | | n.a. |
| F 20 | 7 3 | 1 49 | 4 40 | 0 21 | 1 18 | 9 38 | 6 40 | 24 21 | 2 16 | 20 52 | 0 16 | 24 16 | 0 37 | 22 56 | 0 43 | 1 23 | 2 10 | 35 58 | 16 15 | 20 15 | 20 34 | 0 41 | | | n.a. |
| S 21 | 6 40 | 3n42 | 5 4 | 0n34 | 1 28 | 9 37 | 6 42 | 24 24 | 2 15 | 20 54 | 0 16 | 24 16 | 0 37 | 22 57 | 0 43 | 1 22 | 2 10 | 35 58 | 16 14 | 20 17 | 20 35 | 0 38 | | | n.a. |
| S 22 | 6 17 | 8 55 | 5 8 | 1 28 | 1 38 | 9 34 | 6 43 | 24 28 | 2 14 | 20 55 | 0 17 | 24 16 | 0 37 | 22 57 | 0 43 | 1 22 | 2 10 | 35 58 | 16 14 | 20 18 | 20 36 | 0 36 | | | n.a. |
| M23 | 5 55 | 13 31 | 4 52 | 2 21 | 1 47 | 9 30 | 6 44 | 24 31 | 2 13 | 20 57 | 0 17 | 24 16 | 0 37 | 22 57 | 0 43 | 1 21 | 2 10 | 35 58 | 16 14 | 20 19 | 20 36 | 0 34 | | | n.a. |
| T 24 | 5 32 | 17 14 | 4 19 | 3 11 | 1 55 | 9 24 | 6 44 | 24 35 | 2 12 | 20 58 | 0 17 | 24 16 | 0 38 | 22 57 | 0 43 | 1 20 | 2 10 | 35 58 | 16 13 | 20 19 | 20 37 | 0 31 | | | n.a. |
| W25 | 5 9 | 19 52 | 3 31 | 4 0 | 2 3 | 9 17 | 6 44 | 24 38 | 2 11 | 21 0 | 0 17 | 24 16 | 0 38 | 22 57 | 0 43 | 1 20 | 2 10 | 35 57 | 16 13 | 20 19 | 20 38 | 0 29 | | | n.a. |
| T 26 | 4 46 | 21 21 | 2 34 | 4 46 | 2 11 | 9 8 | 6 43 | 24 42 | 2 11 | 21 2 | 0 17 | 24 15 | 0 38 | 22 57 | 0 43 | 1 19 | 2 10 | 35 57 | 16 13 | 20 19 | 20 38 | 0 26 | | | n.a. |
| F 27 | 4 23 | 21 39 | 1 29 | 5 31 | 2 17 | 8 58 | 6 42 | 24 45 | 2 10 | 21 3 | 0 17 | 24 15 | 0 38 | 22 58 | 0 43 | 1 18 | 2 10 | 35 57 | 16 12 | 20 19 | 20 39 | 0 24 | | | n.a. |
| S 28 | 4 0 | 20 49 | 0 22 | 6 13 | 2 24 | 8 46 | 6 39 | 24 48 | 2 9 | 21 5 | 0 17 | 24 15 | 0 38 | 22 58 | 0 43 | 1 18 | 2 10 | 35 57 | 16 12 | 20 19 | 20 40 | 0 22 | | | n.a. |
| S 29 | 3 37 | 18 59 | 0n44 | 6 53 | 2 29 | 8 33 | 6 36 | 24 51 | 2 8 | 21 7 | 0 17 | 24 15 | 0 38 | 22 58 | 0 43 | 1 17 | 2 10 | 35 57 | 16 12 | 20 19 | 20 40 | 0 19 | | | n.a. |
| M30 | 3 14 | 16 17 | 1 48 | 7 31 | 2 33 | 8 18 | 6 33 | 24 54 | 2 7 | 21 9 | 0 17 | 24 15 | 0 38 | 22 58 | 0 43 | 1 17 | 2 10 | 35 57 | 16 11 | 20 19 | 20 41 | 0 17 | | | n.a. |
| T 31 | 2s50 | 12n56 | 2n46 | 8n 6 | 2n37 | 8n 2 | 6n28 | 24n57 | 2n 7 | 21n10 | 0n17 | 24s15 | 0s39 | 22n58 | 0n43 | 1s16 | 2n10 | 35n57 | 16n11 | 20n20 | 20n42 | 0n14 | | | n.a. |

Julian Day Number = 996826.5, Delta T = 12h55m54s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'28, Lahiri = -31°18'28 Julian Calendar 1 March 1984 BCE == Greg. Calendar 12 Feb. 1984 BCE

The year -1983 astronomical counting style corresponds to year 1984 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## APRIL 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 30 13 | 23♓56'26 | 15♍40 | 15♈26 | 4°R43 | 13♊51 | 1♊43 | 9♉ 6 | 20°R52 | 8°R 1 | 1°R25 | 0°R54 | 29♋18 | 10♎35 | n.a. | W 1 |
| T 2 | 11 34 10 | 24°53'57 | 27°35 | 16°39 | 4♈ 9 | 14°20 | 1°51 | 9° 9 | 20♋51 | 8♎ 0 | 1♌24 | 0♌45 | 29°15 | 10°42 | n.a. | T 2 |
| F 3 | 11 38 6 | 25°51'27 | 9♎28 | 17°47 | 3°35 | 14°50 | 2° 0 | 9°13 | 20°51 | 7°58 | 1°23 | 0°35 | 29°12 | 10°48 | n.a. | F 3 |
| S 4 | 11 42 3 | 26°48'56 | 21°21 | 18°52 | 2°59 | 15°20 | 2° 8 | 9°16 | 20°50 | 7°57 | 1°22 | 0°24 | 29° 9 | 10°55 | n.a. | S 4 |
| S 5 | 11 46 0 | 27°46'23 | 3♏14 | 19°52 | 2°23 | 15°50 | 2°17 | 9°19 | 20°50 | 7°55 | 1°21 | 0°14 | 29° 6 | 11° 2 | n.a. | S 5 |
| M 6 | 11 49 56 | 28°43'50 | 15°10 | 20°49 | 1°45 | 16°20 | 2°26 | 9°23 | 20°49 | 7°53 | 1°21 | 0° 5 | 29° 2 | 11° 9 | n.a. | M 6 |
| T 7 | 11 53 53 | 29°41'15 | 27°12 | 21°41 | 1° 7 | 16°50 | 2°35 | 9°26 | 20°49 | 7°52 | 1°20 | 29♋59 | 28°59 | 11°15 | n.a. | T 7 |
| W 8 | 11 57 49 | 0♈38'40 | 9♐24 | 22°29 | 0°29 | 17°20 | 2°44 | 9°29 | 20°48 | 7°50 | 1°19 | 29°54 | 28°56 | 11°22 | n.a. | W 8 |
| T 9 | 12 1 46 | 1°36'03 | 21°48 | 23°12 | 29♓51 | 17°51 | 2°53 | 9°31 | 20°48 | 7°49 | 1°19 | 29°52 | 28°53 | 11°29 | n.a. | T 9 |
| F 10 | 12 5 42 | 2°33'26 | 4♑30 | 23°52 | 29°14 | 18°22 | 3° 2 | 9°34 | 20°48 | 7°47 | 1°18 | 29°D51 | 28°50 | 11°35 | n.a. | F 10 |
| S 11 | 12 9 39 | 3°30'48 | 17°33 | 24°26 | 28°37 | 18°52 | 3°12 | 9°37 | 20°47 | 7°45 | 1°18 | 29°52 | 28°47 | 11°42 | n.a. | S 11 |
| S 12 | 12 13 35 | 4°28'09 | 1♒ 1 | 24°57 | 28° 0 | 19°23 | 3°21 | 9°40 | 20°47 | 7°44 | 1°17 | 29°R52 | 28°43 | 11°49 | n.a. | S 12 |
| M13 | 12 17 32 | 5°25'29 | 14°58 | 25°22 | 27°25 | 19°54 | 3°31 | 9°42 | 20°47 | 7°42 | 1°17 | 29°51 | 28°40 | 11°56 | n.a. | M13 |
| T 14 | 12 21 29 | 6°22'49 | 29°22 | 25°43 | 26°50 | 20°26 | 3°40 | 9°44 | 20°47 | 7°41 | 1°16 | 29°48 | 28°37 | 12° 2 | n.a. | T 14 |
| W15 | 12 25 25 | 7°20'07 | 14♓12 | 26° 0 | 26°18 | 20°57 | 3°50 | 9°47 | 20°D47 | 7°39 | 1°16 | 29°43 | 28°34 | 12° 9 | n.a. | W15 |
| T 16 | 12 29 22 | 8°17'25 | 29°20 | 26°11 | 25°46 | 21°29 | 4° 0 | 9°49 | 20°47 | 7°37 | 1°15 | 29°35 | 28°31 | 12°16 | n.a. | T 16 |
| F 17 | 12 33 18 | 9°14'41 | 14♈38 | 26°19 | 25°17 | 22° 0 | 4°10 | 9°51 | 20°47 | 7°36 | 1°15 | 29°26 | 28°28 | 12°22 | n.a. | F 17 |
| S 18 | 12 37 15 | 10°11'57 | 29°54 | 26°R21 | 24°49 | 22°32 | 4°20 | 9°53 | 20°47 | 7°34 | 1°14 | 29°16 | 28°24 | 12°29 | n.a. | S 18 |
| S 19 | 12 41 11 | 11° 9'12 | 14♉58 | 26°19 | 24°23 | 23° 4 | 4°30 | 9°55 | 20°47 | 7°32 | 1°14 | 29° 7 | 28°21 | 12°36 | n.a. | S 19 |
| M20 | 12 45 8 | 12° 6'26 | 29°39 | 26°13 | 24° 0 | 23°36 | 4°40 | 9°57 | 20°48 | 7°31 | 1°14 | 28°59 | 28°18 | 12°43 | n.a. | M20 |
| T 21 | 12 49 4 | 13° 3'38 | 13♊54 | 26° 2 | 23°38 | 24° 9 | 4°51 | 9°59 | 20°48 | 7°29 | 1°14 | 28°54 | 28°15 | 12°49 | n.a. | T 21 |
| W22 | 12 53 1 | 14° 0'50 | 27°40 | 25°47 | 23°19 | 24°41 | 5° 1 | 10° 0 | 20°48 | 7°28 | 1°13 | 28°51 | 28°12 | 12°56 | n.a. | W22 |
| T 23 | 12 56 58 | 14°58'01 | 10♋58 | 25°28 | 23° 2 | 25°13 | 5°11 | 10° 2 | 20°49 | 7°26 | 1°13 | 28°D50 | 28° 8 | 13° 3 | n.a. | T 23 |
| F 24 | 13 0 54 | 15°55'11 | 23°51 | 25° 6 | 22°48 | 25°46 | 5°22 | 10° 3 | 20°49 | 7°24 | 1°13 | 28°R50 | 28° 5 | 13° 9 | n.a. | F 24 |
| S 25 | 13 4 51 | 16°52'19 | 6♌24 | 24°41 | 22°35 | 26°19 | 5°33 | 10° 5 | 20°50 | 7°23 | 1°13 | 28°50 | 28° 2 | 13°16 | n.a. | S 25 |
| S 26 | 13 8 47 | 17°49'27 | 18°41 | 24°13 | 22°26 | 26°51 | 5°43 | 10° 6 | 20°50 | 7°21 | 1°13 | 28°49 | 27°59 | 13°23 | n.a. | S 26 |
| M27 | 13 12 44 | 18°46'34 | 0♍47 | 23°43 | 22°18 | 27°24 | 5°54 | 10° 7 | 20°51 | 7°20 | 1°13 | 28°45 | 27°56 | 13°30 | n.a. | M27 |
| T 28 | 13 16 40 | 19°43'40 | 12°45 | 23°11 | 22°13 | 27°57 | 6° 5 | 10° 8 | 20°52 | 7°18 | 1°13 | 28°39 | 27°53 | 13°36 | n.a. | T 28 |
| W29 | 13 20 37 | 20°40'45 | 24°39 | 22°38 | 22°11 | 28°31 | 6°16 | 10° 9 | 20°52 | 7°16 | 1°D13 | 28°30 | 27°49 | 13°43 | n.a. | W29 |
| T 30 | 13 24 34 | 21♈37'50 | 6♎31 | 22♈ 4 | 22°D10 | 29♊ 4 | 6♊27 | 10♉10 | 20♋53 | 7♎15 | 1♌13 | 28♋19 | 27♋46 | 13♎50 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 2s27 | 9n 4 | 3n36 | 8n39 | 2n40 | 7n45 | 6n23 | 25n 0 | 2n 6 | 21n12 | 0n17 | 24s15 | 0s39 | 22n58 | 0n43 | 1s15 | 2n10 | 35n57 | 16n11 | 20n22 | 20n42 | 0n12 | | n.a. |
| T 2 | 2 4 | 4 52 | 4 16 | 9 9 | 2 42 | 7 26 | 6 17 | 25 3 | 2 5 | 21 14 | 0 17 | 24 15 | 0 39 | 22 58 | 0 43 | 1 15 | 2 10 | 35 57 | 16 10 | 20 24 | 20 43 | 0 10 | | n.a. |
| F 3 | 1 41 | 0 31 | 4 44 | 9 37 | 2 44 | 7 6 | 6 11 | 25 6 | 2 4 | 21 16 | 0 17 | 24 15 | 0 39 | 22 58 | 0 43 | 1 14 | 2 10 | 35 56 | 16 10 | 20 26 | 20 44 | 0 7 | | n.a. |
| S 4 | 1 17 | 3s51 | 5 1 | 10 3 | 2 44 | 6 45 | 6 3 | 25 8 | 2 3 | 21 18 | 0 18 | 24 14 | 0 39 | 22 58 | 0 43 | 1 13 | 2 10 | 35 56 | 16 9 | 20 28 | 20 44 | 0 5 | | n.a. |
| S 5 | 0 54 | 8 5 | 5 4 | 10 26 | 2 43 | 6 22 | 5 55 | 25 11 | 2 3 | 21 19 | 0 18 | 24 14 | 0 39 | 22 58 | 0 43 | 1 13 | 2 10 | 35 56 | 16 9 | 20 30 | 20 45 | 0 2 | | n.a. |
| M 6 | 0 31 | 12 2 | 4 54 | 10 47 | 2 42 | 5 59 | 5 47 | 25 13 | 2 2 | 21 21 | 0 18 | 24 14 | 0 39 | 22 58 | 0 43 | 1 12 | 2 10 | 35 56 | 16 9 | 20 32 | 20 46 | 0s 0 | | n.a. |
| T 7 | 0 8 | 15 32 | 4 31 | 11 4 | 2 40 | 5 35 | 5 37 | 25 16 | 2 1 | 21 23 | 0 18 | 24 14 | 0 40 | 22 58 | 0 43 | 1 11 | 2 10 | 35 56 | 16 8 | 20 34 | 20 46 | 0 3 | | n.a. |
| W 8 | 0n16 | 18 25 | 3 56 | 11 20 | 2 36 | 5 11 | 5 27 | 25 18 | 2 0 | 21 25 | 0 18 | 24 14 | 0 40 | 22 58 | 0 43 | 1 11 | 2 10 | 35 55 | 16 8 | 20 35 | 20 47 | 0 5 | | n.a. |
| T 9 | 0 39 | 20 32 | 3 8 | 11 33 | 2 32 | 4 46 | 5 16 | 25 20 | 1 59 | 21 27 | 0 18 | 24 14 | 0 40 | 22 58 | 0 42 | 1 10 | 2 10 | 35 55 | 16 7 | 20 35 | 20 48 | 0 7 | | n.a. |
| F 10 | 1 2 | 21 40 | 2 11 | 11 43 | 2 27 | 4 20 | 5 5 | 25 22 | 1 59 | 21 29 | 0 18 | 24 14 | 0 40 | 22 58 | 0 42 | 1 9 | 2 10 | 35 55 | 16 7 | 20 35 | 20 48 | 0 10 | | n.a. |
| S 11 | 1 25 | 21 40 | 1 5 | 11 50 | 2 21 | 3 54 | 4 53 | 25 24 | 1 58 | 21 31 | 0 18 | 24 14 | 0 40 | 22 58 | 0 42 | 1 9 | 2 10 | 35 55 | 16 7 | 20 35 | 20 49 | 0 12 | | n.a. |
| S 12 | 1 49 | 20 26 | 0s 6 | 11 55 | 2 14 | 3 28 | 4 41 | 25 26 | 1 57 | 21 33 | 0 18 | 24 14 | 0 40 | 22 58 | 0 42 | 1 8 | 2 10 | 35 54 | 16 6 | 20 35 | 20 50 | 0 15 | | n.a. |
| M13 | 2 12 | 17 56 | 1 20 | 11 57 | 2 6 | 3 2 | 4 28 | 25 28 | 1 56 | 21 35 | 0 18 | 24 14 | 0 41 | 22 58 | 0 42 | 1 8 | 2 10 | 35 54 | 16 6 | 20 35 | 20 50 | 0 17 | | n.a. |
| T 14 | 2 35 | 14 16 | 2 30 | 11 56 | 1 57 | 2 36 | 4 15 | 25 29 | 1 55 | 21 37 | 0 18 | 24 14 | 0 41 | 22 58 | 0 42 | 1 7 | 2 10 | 35 54 | 16 5 | 20 36 | 20 51 | 0 19 | | n.a. |
| W15 | 2 58 | 9 36 | 3 33 | 11 53 | 1 47 | 2 11 | 4 2 | 25 31 | 1 55 | 21 38 | 0 18 | 24 14 | 0 41 | 22 58 | 0 42 | 1 6 | 2 10 | 35 54 | 16 5 | 20 37 | 20 52 | 0 22 | | n.a. |
| T 16 | 3 21 | 4 15 | 4 22 | 11 48 | 1 36 | 1 46 | 3 48 | 25 32 | 1 54 | 21 40 | 0 18 | 24 14 | 0 41 | 22 58 | 0 42 | 1 6 | 2 10 | 35 53 | 16 5 | 20 39 | 20 52 | 0 24 | | n.a. |
| F 17 | 3 44 | 1n24 | 4 52 | 11 39 | 1 24 | 1 22 | 3 35 | 25 33 | 1 53 | 21 42 | 0 18 | 24 14 | 0 41 | 22 58 | 0 42 | 1 5 | 2 10 | 35 53 | 16 4 | 20 41 | 20 53 | 0 27 | | n.a. |
| S 18 | 4 7 | 6 58 | 5 2 | 11 28 | 1 11 | 0 58 | 3 21 | 25 35 | 1 52 | 21 44 | 0 19 | 24 14 | 0 41 | 22 58 | 0 42 | 1 4 | 2 10 | 35 53 | 16 4 | 20 43 | 20 54 | 0 29 | | n.a. |
| S 19 | 4 30 | 12 1 | 4 51 | 11 15 | 0 58 | 0 35 | 3 7 | 25 36 | 1 52 | 21 46 | 0 19 | 24 14 | 0 41 | 22 58 | 0 42 | 1 4 | 2 10 | 35 52 | 16 3 | 20 45 | 20 54 | 0 32 | | n.a. |
| M20 | 4 53 | 16 15 | 4 20 | 10 59 | 0 44 | 0 12 | 2 53 | 25 37 | 1 51 | 21 48 | 0 19 | 24 14 | 0 42 | 22 58 | 0 42 | 1 3 | 2 10 | 35 52 | 16 3 | 20 46 | 20 55 | 0 34 | | n.a. |
| T 21 | 5 15 | 19 23 | 3 34 | 10 42 | 0 29 | 0s 9 | 2 39 | 25 37 | 1 50 | 21 50 | 0 19 | 24 14 | 0 42 | 22 58 | 0 42 | 1 2 | 2 10 | 35 52 | 16 2 | 20 48 | 20 56 | 0 36 | | n.a. |
| W22 | 5 38 | 21 17 | 2 37 | 10 22 | 0 13 | 0 29 | 2 25 | 25 38 | 1 49 | 21 52 | 0 19 | 24 14 | 0 42 | 22 58 | 0 42 | 1 2 | 2 10 | 35 51 | 16 2 | 20 48 | 20 56 | 0 39 | | n.a. |
| T 23 | 6 1 | 21 55 | 1 33 | 10 0 | 0s 3 | 0 49 | 2 12 | 25 39 | 1 49 | 21 54 | 0 19 | 24 14 | 0 42 | 22 58 | 0 42 | 1 1 | 2 10 | 35 51 | 16 2 | 20 48 | 20 57 | 0 41 | | n.a. |
| F 24 | 6 23 | 21 20 | 0 26 | 9 36 | 0 20 | 1 7 | 1 58 | 25 39 | 1 48 | 21 56 | 0 19 | 24 14 | 0 42 | 22 58 | 0 42 | 1 0 | 2 10 | 35 50 | 16 1 | 20 48 | 20 58 | 0 44 | | n.a. |
| S 25 | 6 46 | 19 42 | 0n40 | 9 11 | 0 36 | 1 24 | 1 45 | 25 39 | 1 47 | 21 58 | 0 19 | 24 14 | 0 42 | 22 58 | 0 42 | 1 0 | 2 10 | 35 50 | 16 1 | 20 48 | 20 58 | 0 46 | | n.a. |
| S 26 | 7 8 | 17 9 | 1 43 | 8 45 | 0 53 | 1 40 | 1 32 | 25 39 | 1 46 | 22 0 | 0 19 | 24 14 | 0 43 | 22 58 | 0 42 | 0 59 | 2 10 | 35 50 | 16 0 | 20 49 | 20 59 | 0 49 | | n.a. |
| M27 | 7 30 | 13 55 | 2 40 | 8 18 | 1 10 | 1 55 | 1 19 | 25 39 | 1 46 | 22 2 | 0 19 | 24 14 | 0 43 | 22 57 | 0 42 | 0 59 | 2 10 | 35 49 | 16 0 | 20 49 | 21 0 | 0 51 | | n.a. |
| T 28 | 7 52 | 10 8 | 3 30 | 7 51 | 1 26 | 2 8 | 1 6 | 25 39 | 1 45 | 22 4 | 0 19 | 24 14 | 0 43 | 22 57 | 0 42 | 0 58 | 2 10 | 35 49 | 15 59 | 20 51 | 21 0 | 0 53 | | n.a. |
| W29 | 8 14 | 5 59 | 4 10 | 7 23 | 1 43 | 2 21 | 0 54 | 25 39 | 1 44 | 22 6 | 0 19 | 24 14 | 0 43 | 22 57 | 0 42 | 0 57 | 2 10 | 35 48 | 15 59 | 20 53 | 21 1 | 0 56 | | n.a. |
| T 30 | 8n36 | 1n37 | 4n39 | 6n56 | 1s59 | 2s32 | 0n42 | 25n39 | 1n43 | 22n 8 | 0n19 | 24s14 | 0s43 | 22n57 | 0n42 | 0s57 | 2n10 | 35n48 | 15n58 | 20n55 | 21n 2 | 0s58 | | n.a. |

Julian Day Number = 996857.5, Delta T = 12h55m52s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'24, Lahiri = -31°18'24 Julian Calendar 1 Apr. 1984 BCE == Greg. Calendar 15 March 1984 BCE


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## MAY 1984 BCE (-1983) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 28 30 | 22♈34'54 | 18♎23 | 21°R30 | 22♓13 | 29♊37 | 6♊38 | 10♑11 | 20♋54 | 7°R13 | 1♌13 | 28°R 6 | 27♋43 | 13♎57 | n.a. | F 1 |
| S 2 | 13 32 27 | 23°31'58 | 0♏17 | 20♈57 | 22°17 | 0♋11 | 6°49 | 10°12 | 20°55 | 7♎12 | 1°13 | 27♋52 | 27°40 | 14° 3 | n.a. | S 2 |
| S 3 | 13 36 23 | 24°29'01 | 12°14 | 20°24 | 22°23 | 0°44 | 7° 1 | 10°12 | 20°56 | 7°10 | 1°13 | 27°39 | 27°37 | 14°10 | n.a. | S 3 |
| M 4 | 13 40 20 | 25°26'04 | 24°16 | 19°54 | 22°32 | 1°18 | 7°12 | 10°13 | 20°57 | 7° 9 | 1°13 | 27°27 | 27°33 | 14°17 | n.a. | M 4 |
| T 5 | 13 44 16 | 26°23'07 | 6♐24 | 19°25 | 22°43 | 1°52 | 7°23 | 10°13 | 20°58 | 7° 7 | 1°13 | 27°17 | 27°30 | 14°23 | n.a. | T 5 |
| W 6 | 13 48 13 | 27°20'09 | 18°41 | 18°59 | 22°56 | 2°26 | 7°35 | 10°13 | 20°59 | 7° 6 | 1°14 | 27°11 | 27°27 | 14°30 | n.a. | W 6 |
| T 7 | 13 52 9 | 28°17'12 | 1♑ 9 | 18°37 | 23°11 | 3° 0 | 7°46 | 10°13 | 21° 0 | 7° 4 | 1°14 | 27° 7 | 27°24 | 14°37 | n.a. | T 7 |
| F 8 | 13 56 6 | 29°14'15 | 13°51 | 18°17 | 23°28 | 3°34 | 7°58 | 10°R13 | 21° 1 | 7° 3 | 1°14 | 27° 5 | 27°21 | 14°44 | n.a. | F 8 |
| S 9 | 14 0 3 | 0♉11'18 | 26°53 | 18° 2 | 23°47 | 4° 8 | 8°10 | 10°13 | 21° 2 | 7° 1 | 1°14 | 27° 5 | 27°18 | 14°50 | n.a. | S 9 |
| S 10 | 14 3 59 | 1° 8'20 | 10♒16 | 17°50 | 24° 7 | 4°42 | 8°21 | 10°13 | 21° 4 | 7° 0 | 1°15 | 27° 5 | 27°14 | 14°57 | n.a. | S 10 |
| M11 | 14 7 56 | 2° 5'23 | 24° 4 | 17°43 | 24°30 | 5°17 | 8°33 | 10°13 | 21° 5 | 6°58 | 1°15 | 27° 4 | 27°11 | 15° 4 | n.a. | M11 |
| T 12 | 14 11 52 | 3° 2'26 | 8♓18 | 17°D41 | 24°54 | 5°51 | 8°45 | 10°13 | 21° 6 | 6°57 | 1°15 | 27° 1 | 27° 8 | 15°10 | n.a. | T 12 |
| W13 | 14 15 49 | 3°59'30 | 22°57 | 17°43 | 25°19 | 6°26 | 8°57 | 10°12 | 21° 8 | 6°56 | 1°16 | 26°55 | 27° 5 | 15°17 | n.a. | W13 |
| T 14 | 14 19 45 | 4°56'33 | 7♈57 | 17°50 | 25°47 | 7° 1 | 9° 9 | 10°12 | 21° 9 | 6°54 | 1°16 | 26°47 | 27° 2 | 15°24 | n.a. | T 14 |
| F 15 | 14 23 42 | 5°53'37 | 23° 8 | 18° 2 | 26°15 | 7°35 | 9°21 | 10°11 | 21°11 | 6°53 | 1°17 | 26°37 | 26°59 | 15°31 | n.a. | F 15 |
| S 16 | 14 27 39 | 6°50'40 | 8♉22 | 18°18 | 26°46 | 8°10 | 9°33 | 10°10 | 21°13 | 6°51 | 1°17 | 26°26 | 26°55 | 15°37 | n.a. | S 16 |
| S 17 | 14 31 35 | 7°47'44 | 23°26 | 18°40 | 27°17 | 8°45 | 9°45 | 10°10 | 21°14 | 6°50 | 1°18 | 26°16 | 26°52 | 15°44 | n.a. | S 17 |
| M18 | 14 35 32 | 8°44'48 | 8♊13 | 19° 6 | 27°50 | 9°20 | 9°57 | 10° 9 | 21°16 | 6°49 | 1°19 | 26° 8 | 26°49 | 15°51 | n.a. | M18 |
| T 19 | 14 39 28 | 9°41'52 | 22°33 | 19°37 | 28°24 | 9°56 | 10° 9 | 10° 8 | 21°18 | 6°47 | 1°19 | 26° 2 | 26°46 | 15°57 | n.a. | T 19 |
| W20 | 14 43 25 | 10°38'56 | 6♋25 | 20°13 | 29° 0 | 10°31 | 10°22 | 10° 6 | 21°19 | 6°46 | 1°20 | 25°59 | 26°43 | 16° 4 | n.a. | W20 |
| T 21 | 14 47 21 | 11°36'00 | 19°48 | 20°54 | 29°37 | 11° 6 | 10°34 | 10° 5 | 21°21 | 6°45 | 1°21 | 25°57 | 26°39 | 16°11 | n.a. | T 21 |
| F 22 | 14 51 18 | 12°33'03 | 2♌44 | 21°40 | 0♈14 | 11°42 | 10°46 | 10° 4 | 21°23 | 6°44 | 1°21 | 25°D57 | 26°36 | 16°18 | n.a. | F 22 |
| S 23 | 14 55 14 | 13°30'07 | 15°19 | 22°30 | 0°53 | 12°17 | 10°59 | 10° 3 | 21°25 | 6°42 | 1°22 | 25°R57 | 26°33 | 16°24 | n.a. | S 23 |
| S 24 | 14 59 11 | 14°27'11 | 27°35 | 23°24 | 1°33 | 12°53 | 11°11 | 10° 1 | 21°27 | 6°41 | 1°23 | 25°57 | 26°30 | 16°31 | n.a. | S 24 |
| M25 | 15 3 8 | 15°24'15 | 9♍39 | 24°24 | 2°15 | 13°29 | 11°23 | 9°59 | 21°29 | 6°40 | 1°24 | 25°54 | 26°27 | 16°38 | n.a. | M25 |
| T 26 | 15 7 4 | 16°21'19 | 21°35 | 25°27 | 2°57 | 14° 5 | 11°36 | 9°58 | 21°31 | 6°39 | 1°25 | 25°49 | 26°24 | 16°45 | n.a. | T 26 |
| W27 | 15 11 1 | 17°18'23 | 3♎27 | 26°36 | 3°40 | 14°41 | 11°49 | 9°56 | 21°33 | 6°38 | 1°25 | 25°42 | 26°20 | 16°51 | n.a. | W27 |
| T 28 | 15 14 57 | 18°15'27 | 15°19 | 27°48 | 4°24 | 15°17 | 12° 1 | 9°54 | 21°35 | 6°37 | 1°26 | 25°32 | 26°17 | 16°58 | n.a. | T 28 |
| F 29 | 15 18 54 | 19°12'32 | 27°13 | 29° 5 | 5° 8 | 15°53 | 12°14 | 9°52 | 21°37 | 6°36 | 1°27 | 25°21 | 26°14 | 17° 5 | n.a. | F 29 |
| S 30 | 15 22 50 | 20° 9'37 | 9♏11 | 0♉26 | 5°54 | 16°29 | 12°26 | 9°50 | 21°40 | 6°35 | 1°28 | 25° 9 | 26°11 | 17°11 | n.a. | S 30 |
| S 31 | 15 26 47 | 21♉ 6'42 | 21♏15 | 1♉51 | 6♈41 | 17♋ 5 | 12♊39 | 9♑48 | 21♋42 | 6♎33 | 1♌29 | 24♋57 | 26♋ 8 | 17♎18 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 8n57 | 2s48 | 4n55 | 6n29 | 2s14 | 2s42 | 0n30 | 25n38 | 1n43 | 22n10 | 0n19 | 24s15 | 0s43 | 22n57 | 0n42 | 0s56 | 2n10 | 35n47 | 15n58 | 20n58 | 21n 2 | 1s 1 | | n.a. |
| S 2 | 9 19 | 7 8 | 4 59 | 6 3 | 2 28 | 2 50 | 0 19 | 25 37 | 1 42 | 22 12 | 0 20 | 24 15 | 0 44 | 22 57 | 0 42 | 0 56 | 2 10 | 35 47 | 15 57 | 21 0 | 21 3 | 1 3 | | n.a. |
| S 3 | 9 40 | 11 13 | 4 50 | 5 38 | 2 42 | 2 58 | 0 8 | 25 36 | 1 41 | 22 14 | 0 20 | 24 15 | 0 44 | 22 56 | 0 42 | 0 55 | 2 10 | 35 47 | 15 57 | 21 3 | 21 3 | 1 6 | | n.a. |
| M 4 | 10 2 | 14 53 | 4 28 | 5 15 | 2 55 | 3 4 | 0s 3 | 25 35 | 1 41 | 22 16 | 0 20 | 24 15 | 0 44 | 22 56 | 0 42 | 0 54 | 2 10 | 35 46 | 15 57 | 21 5 | 21 4 | 1 8 | | n.a. |
| T 5 | 10 23 | 17 59 | 3 54 | 4 53 | 3 6 | 3 9 | 0 14 | 25 34 | 1 40 | 22 18 | 0 20 | 24 15 | 0 44 | 22 56 | 0 42 | 0 54 | 2 10 | 35 46 | 15 56 | 21 7 | 21 5 | 1 11 | | n.a. |
| W 6 | 10 44 | 20 18 | 3 8 | 4 34 | 3 16 | 3 13 | 0 24 | 25 33 | 1 39 | 22 20 | 0 20 | 24 15 | 0 44 | 22 56 | 0 42 | 0 53 | 2 10 | 35 45 | 15 56 | 21 9 | 21 5 | 1 13 | | n.a. |
| T 7 | 11 5 | 21 43 | 2 12 | 4 17 | 3 25 | 3 16 | 0 33 | 25 32 | 1 38 | 22 22 | 0 20 | 24 15 | 0 44 | 22 56 | 0 42 | 0 53 | 2 10 | 35 45 | 15 55 | 21 9 | 21 6 | 1 15 | | n.a. |
| F 8 | 11 25 | 22 2 | 1 9 | 4 2 | 3 33 | 3 18 | 0 43 | 25 30 | 1 38 | 22 24 | 0 20 | 24 16 | 0 45 | 22 55 | 0 42 | 0 52 | 2 10 | 35 44 | 15 55 | 21 10 | 21 7 | 1 18 | | n.a. |
| S 9 | 11 46 | 21 11 | 0 1 | 3 50 | 3 40 | 3 19 | 0 52 | 25 28 | 1 37 | 22 26 | 0 20 | 24 16 | 0 45 | 22 55 | 0 42 | 0 51 | 2 10 | 35 44 | 15 54 | 21 10 | 21 7 | 1 20 | | n.a. |
| S 10 | 12 6 | 19 8 | 1s 9 | 3 41 | 3 45 | 3 18 | 1 1 | 25 26 | 1 36 | 22 28 | 0 20 | 24 16 | 0 45 | 22 55 | 0 41 | 0 51 | 2 10 | 35 43 | 15 54 | 21 10 | 21 8 | 1 23 | | n.a. |
| M11 | 12 26 | 15 55 | 2 17 | 3 34 | 3 49 | 3 17 | 1 9 | 25 24 | 1 35 | 22 30 | 0 20 | 24 16 | 0 45 | 22 55 | 0 41 | 0 50 | 2 10 | 35 42 | 15 53 | 21 10 | 21 9 | 1 25 | | n.a. |
| T 12 | 12 46 | 11 41 | 3 19 | 3 31 | 3 52 | 3 15 | 1 17 | 25 22 | 1 35 | 22 32 | 0 20 | 24 16 | 0 45 | 22 55 | 0 41 | 0 50 | 2 10 | 35 42 | 15 53 | 21 11 | 21 9 | 1 28 | | n.a. |
| W13 | 13 6 | 6 40 | 4 10 | 3 30 | 3 54 | 3 11 | 1 25 | 25 20 | 1 34 | 22 34 | 0 20 | 24 16 | 0 45 | 22 54 | 0 41 | 0 49 | 2 10 | 35 41 | 15 52 | 21 12 | 21 10 | 1 30 | | n.a. |
| T 14 | 13 26 | 1 8 | 4 45 | 3 32 | 3 54 | 3 7 | 1 32 | 25 17 | 1 33 | 22 36 | 0 20 | 24 17 | 0 46 | 22 54 | 0 41 | 0 49 | 2 10 | 35 41 | 15 52 | 21 13 | 21 10 | 1 33 | | n.a. |
| F 15 | 13 45 | 4n32 | 5 0 | 3 38 | 3 53 | 3 2 | 1 39 | 25 14 | 1 33 | 22 38 | 0 21 | 24 17 | 0 46 | 22 54 | 0 41 | 0 48 | 2 10 | 35 40 | 15 51 | 21 15 | 21 11 | 1 35 | | n.a. |
| S 16 | 14 4 | 9 56 | 4 54 | 3 46 | 3 51 | 2 56 | 1 46 | 25 11 | 1 32 | 22 40 | 0 21 | 24 17 | 0 46 | 22 53 | 0 41 | 0 48 | 2 10 | 35 40 | 15 51 | 21 17 | 21 12 | 1 38 | | n.a. |
| S 17 | 14 23 | 14 41 | 4 28 | 3 57 | 3 48 | 2 49 | 1 53 | 25 8 | 1 31 | 22 42 | 0 21 | 24 17 | 0 46 | 22 53 | 0 41 | 0 47 | 2 10 | 35 39 | 15 51 | 21 19 | 21 12 | 1 40 | | n.a. |
| M18 | 14 42 | 18 26 | 3 44 | 4 10 | 3 44 | 2 41 | 1 59 | 25 5 | 1 30 | 22 44 | 0 21 | 24 18 | 0 46 | 22 53 | 0 41 | 0 47 | 2 10 | 35 39 | 15 50 | 21 21 | 21 13 | 1 42 | | n.a. |
| T 19 | 15 1 | 20 56 | 2 47 | 4 27 | 3 40 | 2 33 | 2 5 | 25 2 | 1 30 | 22 46 | 0 21 | 24 18 | 0 46 | 22 53 | 0 41 | 0 46 | 2 10 | 35 38 | 15 50 | 21 22 | 21 14 | 1 45 | | n.a. |
| W20 | 15 19 | 22 4 | 1 42 | 4 46 | 3 34 | 2 23 | 2 10 | 24 58 | 1 29 | 22 48 | 0 21 | 24 18 | 0 47 | 22 52 | 0 41 | 0 46 | 2 10 | 35 37 | 15 49 | 21 23 | 21 14 | 1 47 | | n.a. |
| T 21 | 15 37 | 21 53 | 0 33 | 5 8 | 3 27 | 2 13 | 2 16 | 24 55 | 1 28 | 22 50 | 0 21 | 24 18 | 0 47 | 22 52 | 0 41 | 0 45 | 2 10 | 35 37 | 15 49 | 21 23 | 21 15 | 1 50 | | n.a. |
| F 22 | 15 55 | 20 31 | 0n36 | 5 32 | 3 20 | 2 3 | 2 21 | 24 51 | 1 28 | 22 52 | 0 21 | 24 19 | 0 47 | 22 52 | 0 41 | 0 45 | 2 9 | 35 36 | 15 48 | 21 23 | 21 15 | 1 52 | | n.a. |
| S 23 | 16 12 | 18 10 | 1 41 | 5 58 | 3 12 | 1 51 | 2 25 | 24 47 | 1 27 | 22 53 | 0 21 | 24 19 | 0 47 | 22 51 | 0 41 | 0 44 | 2 9 | 35 35 | 15 48 | 21 23 | 21 16 | 1 55 | | n.a. |
| S 24 | 16 30 | 15 2 | 2 40 | 6 27 | 3 3 | 1 39 | 2 30 | 24 43 | 1 26 | 22 55 | 0 21 | 24 19 | 0 47 | 22 51 | 0 41 | 0 44 | 2 9 | 35 35 | 15 47 | 21 23 | 21 17 | 1 57 | | n.a. |
| M25 | 16 47 | 11 20 | 3 30 | 6 57 | 2 54 | 1 27 | 2 34 | 24 38 | 1 25 | 22 57 | 0 21 | 24 19 | 0 47 | 22 51 | 0 41 | 0 44 | 2 9 | 35 34 | 15 47 | 21 24 | 21 17 | 2 0 | | n.a. |
| T 26 | 17 4 | 7 14 | 4 11 | 7 30 | 2 44 | 1 13 | 2 38 | 24 34 | 1 25 | 22 59 | 0 21 | 24 20 | 0 47 | 22 50 | 0 41 | 0 43 | 2 9 | 35 34 | 15 47 | 21 24 | 21 18 | 2 2 | | n.a. |
| W27 | 17 20 | 2 52 | 4 40 | 8 5 | 2 33 | 0 59 | 2 42 | 24 29 | 1 24 | 23 1 | 0 22 | 24 20 | 0 48 | 22 50 | 0 41 | 0 43 | 2 9 | 35 33 | 15 46 | 21 26 | 21 18 | 2 5 | | n.a. |
| T 28 | 17 37 | 1s35 | 4 57 | 8 42 | 2 22 | 0 45 | 2 46 | 24 24 | 1 23 | 23 3 | 0 22 | 24 20 | 0 48 | 22 49 | 0 41 | 0 42 | 2 9 | 35 32 | 15 46 | 21 28 | 21 19 | 2 7 | | n.a. |
| F 29 | 17 53 | 6 0 | 5 2 | 9 20 | 2 11 | 0 30 | 2 49 | 24 19 | 1 23 | 23 4 | 0 22 | 24 21 | 0 48 | 22 49 | 0 41 | 0 42 | 2 9 | 35 32 | 15 45 | 21 30 | 21 20 | 2 10 | | n.a. |
| S 30 | 18 8 | 10 13 | 4 53 | 10 0 | 1 59 | 0 14 | 2 52 | 24 14 | 1 22 | 23 6 | 0 22 | 24 21 | 0 48 | 22 49 | 0 41 | 0 42 | 2 9 | 35 31 | 15 45 | 21 32 | 21 20 | 2 12 | | n.a. |
| S 31 | 18n24 | 14s 4 | 4n32 | 10n41 | 1s47 | 0n 2 | 2s55 | 24n 9 | 1n21 | 23n 8 | 0n22 | 24s21 | 0s48 | 22n48 | 0n41 | 0s41 | 2n 9 | 35n30 | 15n44 | 21n34 | 21n21 | 2s14 | | n.a. |

Julian Day Number = 996887.5, Delta T = 12h55m50s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'20, Lahiri = -31°18'20 Julian Calendar 1 May 1984 BCE == Greg. Calendar 14 Apr. 1984 BCE

The year -1983 astronomical counting style corresponds to year 1984 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## JUNE 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 30 44 | 22♉ 3'49 | 3♐27 | 3♉20 | 7♈28 | 17♋41 | 12♊52 | 9°R46 | 21♋44 | 6°R32 | 1♎30 | 24°R47 | 26♋ 4 | 17♎25 | n.a. | M 1 |
| T 2 | 15 34 40 | 23° 0'56 | 15°46 | 4°53 | 8°16 | 18°18 | 13° 5 | 9♑43 | 21°47 | 6♎31 | 1°31 | 24♋39 | 26° 1 | 17°32 | n.a. | T 2 |
| W 3 | 15 38 37 | 23°58'03 | 28°15 | 6°30 | 9° 5 | 18°54 | 13°17 | 9°41 | 21°49 | 6°30 | 1°32 | 24°34 | 25°58 | 17°38 | n.a. | W 3 |
| T 4 | 15 42 33 | 24°55'12 | 10♑54 | 8°11 | 9°55 | 19°31 | 13°30 | 9°38 | 21°51 | 6°30 | 1°34 | 24°31 | 25°55 | 17°45 | n.a. | T 4 |
| F 5 | 15 46 30 | 25°52'22 | 23°46 | 9°55 | 10°45 | 20° 8 | 13°43 | 9°36 | 21°54 | 6°29 | 1°35 | 24°D30 | 25°52 | 17°52 | n.a. | F 5 |
| S 6 | 15 50 26 | 26°49'32 | 6♒54 | 11°43 | 11°36 | 20°44 | 13°56 | 9°33 | 21°56 | 6°28 | 1°36 | 24°30 | 25°49 | 17°59 | n.a. | S 6 |
| S 7 | 15 54 23 | 27°46'44 | 20°19 | 13°33 | 12°28 | 21°21 | 14° 9 | 9°30 | 21°59 | 6°27 | 1°37 | 24°31 | 25°45 | 18° 5 | n.a. | S 7 |
| M 8 | 15 58 20 | 28°43'56 | 4♓ 3 | 15°27 | 13°20 | 21°58 | 14°22 | 9°28 | 22° 2 | 6°26 | 1°38 | 24°R31 | 25°42 | 18°12 | n.a. | M 8 |
| T 9 | 16 2 16 | 29°41'10 | 18° 8 | 17°23 | 14°13 | 22°35 | 14°35 | 9°25 | 22° 4 | 6°25 | 1°40 | 24°30 | 25°39 | 18°19 | n.a. | T 9 |
| W10 | 16 6 13 | 0♊38'25 | 2♈32 | 19°21 | 15° 6 | 23°12 | 14°48 | 9°22 | 22° 7 | 6°24 | 1°41 | 24°26 | 25°36 | 18°25 | n.a. | W10 |
| T 11 | 16 10 9 | 1°35'41 | 17°14 | 21°22 | 16° 0 | 23°49 | 15° 1 | 9°19 | 22°10 | 6°24 | 1°42 | 24°21 | 25°33 | 18°32 | n.a. | T 11 |
| F 12 | 16 14 6 | 2°32'58 | 2♉ 6 | 23°24 | 16°55 | 24°27 | 15°14 | 9°15 | 22°12 | 6°23 | 1°43 | 24°14 | 25°30 | 18°39 | n.a. | F 12 |
| S 13 | 16 18 2 | 3°30'17 | 17° 3 | 25°28 | 17°50 | 25° 4 | 15°27 | 9°12 | 22°15 | 6°22 | 1°45 | 24° 6 | 25°26 | 18°46 | n.a. | S 13 |
| S 14 | 16 21 59 | 4°27'36 | 1♊53 | 27°32 | 18°45 | 25°41 | 15°40 | 9° 9 | 22°18 | 6°22 | 1°46 | 23°59 | 25°23 | 18°52 | n.a. | S 14 |
| M15 | 16 25 55 | 5°24'57 | 16°30 | 29°37 | 19°41 | 26°19 | 15°53 | 9° 6 | 22°21 | 6°21 | 1°48 | 23°53 | 25°20 | 18°59 | n.a. | M15 |
| T 16 | 16 29 52 | 6°22'19 | 0♋46 | 1♊43 | 20°38 | 26°56 | 16° 6 | 9° 2 | 22°24 | 6°20 | 1°49 | 23°49 | 25°17 | 19° 6 | n.a. | T 16 |
| W17 | 16 33 49 | 7°19'42 | 14°37 | 3°49 | 21°35 | 27°34 | 16°19 | 8°59 | 22°27 | 6°20 | 1°51 | 23°47 | 25°14 | 19°12 | n.a. | W17 |
| T 18 | 16 37 45 | 8°17'05 | 28° 2 | 5°54 | 22°32 | 28°12 | 16°32 | 8°55 | 22°30 | 6°19 | 1°52 | 23°D46 | 25°10 | 19°19 | n.a. | T 18 |
| F 19 | 16 41 42 | 9°14'30 | 11♌ 2 | 7°59 | 23°30 | 28°50 | 16°45 | 8°51 | 22°33 | 6°19 | 1°54 | 23°47 | 25° 7 | 19°26 | n.a. | F 19 |
| S 20 | 16 45 38 | 10°11'55 | 23°39 | 10° 4 | 24°28 | 29°28 | 16°59 | 8°48 | 22°36 | 6°18 | 1°55 | 23°49 | 25° 4 | 19°33 | n.a. | S 20 |
| S 21 | 16 49 35 | 11° 9'22 | 5♍58 | 12° 8 | 25°27 | 0♌ 6 | 17°12 | 8°44 | 22°39 | 6°18 | 1°57 | 23°R50 | 25° 1 | 19°39 | n.a. | S 21 |
| M22 | 16 53 31 | 12° 6'49 | 18° 3 | 14°11 | 26°26 | 0°44 | 17°25 | 8°40 | 22°42 | 6°17 | 1°58 | 23°49 | 24°58 | 19°46 | n.a. | M22 |
| T 23 | 16 57 28 | 13° 4'17 | 0♎ 0 | 16°12 | 27°25 | 1°22 | 17°38 | 8°36 | 22°45 | 6°17 | 2° 0 | 23°48 | 24°55 | 19°53 | n.a. | T 23 |
| W24 | 17 1 24 | 14° 1'47 | 11°53 | 18°13 | 28°25 | 2° 0 | 17°51 | 8°32 | 22°48 | 6°16 | 2° 2 | 23°45 | 24°51 | 20° 0 | n.a. | W24 |
| T 25 | 17 5 21 | 14°59'17 | 23°46 | 20°12 | 29°25 | 2°38 | 18° 4 | 8°28 | 22°51 | 6°16 | 2° 3 | 23°40 | 24°48 | 20° 6 | n.a. | T 25 |
| F 26 | 17 9 18 | 15°56'49 | 5♏43 | 22°10 | 0♉25 | 3°16 | 18°18 | 8°24 | 22°54 | 6°16 | 2° 5 | 23°34 | 24°45 | 20°13 | n.a. | F 26 |
| S 27 | 17 13 14 | 16°54'22 | 17°47 | 24° 7 | 1°26 | 3°55 | 18°31 | 8°20 | 22°58 | 6°15 | 2° 7 | 23°27 | 24°42 | 20°20 | n.a. | S 27 |
| S 28 | 17 17 11 | 17°51'56 | 29°59 | 26° 2 | 2°27 | 4°33 | 18°44 | 8°16 | 23° 1 | 6°15 | 2° 8 | 23°21 | 24°39 | 20°26 | n.a. | S 28 |
| M29 | 17 21 7 | 18°49'32 | 12♐22 | 27°56 | 3°29 | 5°12 | 18°57 | 8°12 | 23° 4 | 6°15 | 2°10 | 23°15 | 24°36 | 20°33 | n.a. | M29 |
| T 30 | 17 25 4 | 19♊47'09 | 24♐57 | 29♊49 | 4♉30 | 5♌51 | 19♊10 | 8♑ 8 | 23♋ 7 | 6♎15 | 2♌12 | 23♋11 | 24♋32 | 20♎40 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 18n39 | 17s23 | 3n57 | 11n23 | 1s35 | 0n19 | 2s58 | 24n 3 | 1n20 | 23n10 | 0n22 | 24s22 | 0s48 | 22n48 | 0n41 | 0s41 | 2n 9 | 35n30 | 15n44 | 21n36 | 21n22 | 2s17 | | n.a. |
| T 2 | 18 54 | 19 59 | 3 11 | 12 7 | 1 23 | 0 36 | 3 0 | 23 58 | 1 20 | 23 11 | 0 22 | 24 22 | 0 49 | 22 47 | 0 41 | 0 40 | 2 9 | 35 29 | 15 44 | 21 37 | 21 22 | 2 19 | | n.a. |
| W 3 | 19 8 | 21 39 | 2 15 | 12 51 | 1 10 | 0 53 | 3 3 | 23 52 | 1 19 | 23 13 | 0 22 | 24 22 | 0 49 | 22 47 | 0 41 | 0 40 | 2 9 | 35 28 | 15 43 | 21 38 | 21 23 | 2 22 | | n.a. |
| T 4 | 19 23 | 22 16 | 1 12 | 13 36 | 0 58 | 1 11 | 3 5 | 23 46 | 1 18 | 23 15 | 0 22 | 24 23 | 0 49 | 22 47 | 0 41 | 0 40 | 2 9 | 35 28 | 15 43 | 21 39 | 21 23 | 2 24 | | n.a. |
| F 5 | 19 37 | 21 43 | 0 4 | 14 22 | 0 45 | 1 29 | 3 6 | 23 39 | 1 18 | 23 16 | 0 22 | 24 23 | 0 49 | 22 46 | 0 41 | 0 39 | 2 9 | 35 27 | 15 42 | 21 39 | 21 24 | 2 27 | | n.a. |
| S 6 | 19 50 | 19 59 | 1s 6 | 15 8 | 0 33 | 1 48 | 3 8 | 23 33 | 1 17 | 23 18 | 0 22 | 24 23 | 0 49 | 22 46 | 0 41 | 0 39 | 2 9 | 35 26 | 15 42 | 21 39 | 21 25 | 2 29 | | n.a. |
| S 7 | 20 4 | 17 7 | 2 14 | 15 54 | 0 21 | 2 7 | 3 10 | 23 27 | 1 16 | 23 20 | 0 22 | 24 24 | 0 49 | 22 45 | 0 41 | 0 39 | 2 9 | 35 26 | 15 42 | 21 39 | 21 25 | 2 32 | | n.a. |
| M 8 | 20 17 | 13 15 | 3 15 | 16 39 | 0 9 | 2 26 | 3 11 | 23 20 | 1 16 | 23 21 | 0 23 | 24 24 | 0 50 | 22 45 | 0 41 | 0 39 | 2 9 | 35 25 | 15 41 | 21 39 | 21 26 | 2 34 | | n.a. |
| T 9 | 20 29 | 8 34 | 4 7 | 17 24 | 0n 3 | 2 46 | 3 12 | 23 13 | 1 15 | 23 23 | 0 23 | 24 24 | 0 50 | 22 44 | 0 41 | 0 38 | 2 9 | 35 24 | 15 41 | 21 39 | 21 26 | 2 37 | | n.a. |
| W10 | 20 42 | 3 18 | 4 44 | 18 9 | 0 14 | 3 6 | 3 13 | 23 6 | 1 14 | 23 25 | 0 23 | 24 25 | 0 50 | 22 44 | 0 41 | 0 38 | 2 8 | 35 24 | 15 40 | 21 40 | 21 27 | 2 39 | | n.a. |
| T 11 | 20 54 | 2n14 | 5 4 | 18 52 | 0 25 | 3 27 | 3 14 | 22 59 | 1 13 | 23 26 | 0 23 | 24 25 | 0 50 | 22 43 | 0 41 | 0 38 | 2 8 | 35 23 | 15 40 | 21 41 | 21 28 | 2 42 | | n.a. |
| F 12 | 21 5 | 7 42 | 5 3 | 19 34 | 0 35 | 3 47 | 3 14 | 22 51 | 1 13 | 23 28 | 0 23 | 24 25 | 0 50 | 22 43 | 0 41 | 0 38 | 2 8 | 35 22 | 15 40 | 21 42 | 21 28 | 2 44 | | n.a. |
| S 13 | 21 17 | 12 45 | 4 42 | 20 14 | 0 45 | 4 8 | 3 15 | 22 44 | 1 12 | 23 29 | 0 23 | 24 26 | 0 50 | 22 42 | 0 41 | 0 37 | 2 8 | 35 21 | 15 39 | 21 43 | 21 29 | 2 47 | | n.a. |
| S 14 | 21 28 | 17 0 | 4 2 | 20 53 | 0 54 | 4 29 | 3 15 | 22 36 | 1 11 | 23 31 | 0 23 | 24 26 | 0 50 | 22 42 | 0 41 | 0 37 | 2 8 | 35 21 | 15 39 | 21 45 | 21 29 | 2 49 | | n.a. |
| M15 | 21 38 | 20 7 | 3 7 | 21 30 | 1 3 | 4 51 | 3 15 | 22 28 | 1 11 | 23 32 | 0 23 | 24 27 | 0 51 | 22 42 | 0 41 | 0 37 | 2 8 | 35 20 | 15 39 | 21 46 | 21 30 | 2 52 | | n.a. |
| T 16 | 21 48 | 21 54 | 2 1 | 22 4 | 1 10 | 5 12 | 3 15 | 22 20 | 1 10 | 23 34 | 0 23 | 24 27 | 0 51 | 22 41 | 0 40 | 0 37 | 2 8 | 35 19 | 15 38 | 21 47 | 21 31 | 2 54 | | n.a. |
| W17 | 21 58 | 22 17 | 0 49 | 22 36 | 1 18 | 5 34 | 3 15 | 22 12 | 1 9 | 23 35 | 0 23 | 24 27 | 0 51 | 22 40 | 0 40 | 0 37 | 2 8 | 35 19 | 15 38 | 21 47 | 21 31 | 2 57 | | n.a. |
| T 18 | 22 8 | 21 21 | 0n23 | 23 6 | 1 24 | 5 56 | 3 15 | 22 3 | 1 8 | 23 37 | 0 23 | 24 28 | 0 51 | 22 40 | 0 40 | 0 36 | 2 8 | 35 18 | 15 37 | 21 47 | 21 32 | 2 59 | | n.a. |
| F 19 | 22 17 | 19 17 | 1 32 | 23 33 | 1 30 | 6 18 | 3 14 | 21 55 | 1 8 | 23 38 | 0 24 | 24 28 | 0 51 | 22 39 | 0 40 | 0 36 | 2 8 | 35 17 | 15 37 | 21 47 | 21 32 | 3 2 | | n.a. |
| S 20 | 22 26 | 16 20 | 2 35 | 23 58 | 1 35 | 6 40 | 3 14 | 21 46 | 1 7 | 23 40 | 0 24 | 24 29 | 0 51 | 22 39 | 0 40 | 0 36 | 2 8 | 35 16 | 15 37 | 21 47 | 21 33 | 3 4 | | n.a. |
| S 21 | 22 34 | 12 43 | 3 28 | 24 20 | 1 39 | 7 2 | 3 13 | 21 37 | 1 6 | 23 41 | 0 24 | 24 29 | 0 51 | 22 38 | 0 40 | 0 36 | 2 8 | 35 16 | 15 36 | 21 46 | 21 33 | 3 7 | | n.a. |
| M22 | 22 42 | 8 40 | 4 12 | 24 39 | 1 42 | 7 25 | 3 12 | 21 28 | 1 6 | 23 42 | 0 24 | 24 29 | 0 52 | 22 38 | 0 40 | 0 36 | 2 8 | 35 15 | 15 36 | 21 46 | 21 34 | 3 9 | | n.a. |
| T 23 | 22 49 | 4 19 | 4 44 | 24 56 | 1 45 | 7 47 | 3 11 | 21 19 | 1 5 | 23 44 | 0 24 | 24 30 | 0 52 | 22 37 | 0 40 | 0 36 | 2 8 | 35 14 | 15 36 | 21 47 | 21 35 | 3 11 | | n.a. |
| W24 | 22 57 | 0s 9 | 5 3 | 25 10 | 1 47 | 8 10 | 3 10 | 21 9 | 1 4 | 23 45 | 0 24 | 24 30 | 0 52 | 22 37 | 0 40 | 0 36 | 2 8 | 35 14 | 15 35 | 21 47 | 21 35 | 3 14 | | n.a. |
| T 25 | 23 3 | 4 37 | 5 10 | 25 22 | 1 49 | 8 33 | 3 9 | 21 0 | 1 4 | 23 46 | 0 24 | 24 31 | 0 52 | 22 36 | 0 40 | 0 36 | 2 7 | 35 13 | 15 35 | 21 48 | 21 36 | 3 16 | | n.a. |
| F 26 | 23 10 | 8 56 | 5 3 | 25 31 | 1 50 | 8 55 | 3 8 | 20 50 | 1 3 | 23 48 | 0 24 | 24 31 | 0 52 | 22 36 | 0 40 | 0 36 | 2 7 | 35 12 | 15 35 | 21 49 | 21 36 | 3 19 | | n.a. |
| S 27 | 23 16 | 12 57 | 4 43 | 25 37 | 1 50 | 9 18 | 3 6 | 20 40 | 1 2 | 23 49 | 0 24 | 24 31 | 0 52 | 22 35 | 0 40 | 0 35 | 2 7 | 35 11 | 15 35 | 21 50 | 21 37 | 3 21 | | n.a. |
| S 28 | 23 21 | 16 30 | 4 9 | 25 41 | 1 50 | 9 41 | 3 5 | 20 30 | 1 1 | 23 50 | 0 24 | 24 32 | 0 52 | 22 35 | 0 40 | 0 35 | 2 7 | 35 11 | 15 34 | 21 51 | 21 38 | 3 24 | | n.a. |
| M29 | 23 26 | 19 22 | 3 24 | 25 43 | 1 49 | 10 4 | 3 3 | 20 20 | 1 1 | 23 52 | 0 25 | 24 32 | 0 53 | 22 34 | 0 40 | 0 35 | 2 7 | 35 10 | 15 34 | 21 52 | 21 38 | 3 26 | | n.a. |
| T 30 | 23n31 | 21s22 | 2n28 | 25n43 | 1n47 | 10n26 | 3s 1 | 20n 9 | 1n 0 | 23n53 | 0n25 | 24s33 | 0s53 | 22n33 | 0n40 | 0s35 | 2n 7 | 35n 9 | 15n34 | 21n53 | 21n39 | 3s29 | | n.a. |

Julian Day Number = 996918.5, Delta T = 12h55m48s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'16, Lahiri = -31°18'15 Julian Calendar 1 June 1984 BCE == Greg. Calendar 15 May 1984 BCE


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## JULY 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 29 0 | 20♊44'47 | 7♑43 | 1♋40 | 5♉32 | 6♌29 | 19♊24 | 8°R 3 | 23♋11 | 6°R15 | 2♌14 | 23°R 9 | 24♋29 | 20♎47 | n.a. | W 1 |
| T 2 | 17 32 57 | 21°42'28 | 20°41 | 3°29 | 6°35 | 7° 8 | 19°37 | 7♑59 | 23°14 | 6♎15 | 2°15 | 23°D 8 | 24°26 | 20°53 | n.a. | T 2 |
| F 3 | 17 36 54 | 22°40'10 | 3♒52 | 5°17 | 7°38 | 7°47 | 19°50 | 7°55 | 23°17 | 6°14 | 2°17 | 23♋ 8 | 24°23 | 21° 0 | n.a. | F 3 |
| S 4 | 17 40 50 | 23°37'53 | 17°16 | 7° 4 | 8°41 | 8°26 | 20° 3 | 7°50 | 23°21 | 6°14 | 2°19 | 23° 9 | 24°20 | 21° 7 | n.a. | S 4 |
| S 5 | 17 44 47 | 24°35'39 | 0♓52 | 8°49 | 9°44 | 9° 5 | 20°16 | 7°46 | 23°24 | 6°D14 | 2°21 | 23°11 | 24°16 | 21°14 | n.a. | S 5 |
| M 6 | 17 48 43 | 25°33'26 | 14°42 | 10°33 | 10°47 | 9°44 | 20°30 | 7°42 | 23°28 | 6°14 | 2°23 | 23°12 | 24°13 | 21°20 | n.a. | M 6 |
| T 7 | 17 52 40 | 26°31'15 | 28°44 | 12°16 | 11°51 | 10°23 | 20°43 | 7°37 | 23°31 | 6°14 | 2°25 | 23°R12 | 24°10 | 21°27 | n.a. | T 7 |
| W 8 | 17 56 36 | 27°29'07 | 12♈59 | 13°57 | 12°55 | 11° 2 | 20°56 | 7°33 | 23°35 | 6°14 | 2°27 | 23°11 | 24° 7 | 21°34 | n.a. | W 8 |
| T 9 | 18 0 33 | 28°27'00 | 27°22 | 15°37 | 13°59 | 11°42 | 21° 9 | 7°28 | 23°38 | 6°15 | 2°29 | 23°10 | 24° 4 | 21°40 | n.a. | T 9 |
| F 10 | 18 4 29 | 29°24'55 | 11♉52 | 17°15 | 15° 4 | 12°21 | 21°22 | 7°24 | 23°42 | 6°15 | 2°30 | 23° 7 | 24° 1 | 21°47 | n.a. | F 10 |
| S 11 | 18 8 26 | 0♋22'53 | 26°22 | 18°52 | 16° 9 | 13° 1 | 21°35 | 7°19 | 23°45 | 6°15 | 2°32 | 23° 4 | 23°57 | 21°54 | n.a. | S 11 |
| S 12 | 18 12 23 | 1°20'52 | 10♊47 | 20°28 | 17°14 | 13°40 | 21°48 | 7°15 | 23°49 | 6°15 | 2°34 | 23° 1 | 23°54 | 22° 1 | n.a. | S 12 |
| M13 | 18 16 19 | 2°18'53 | 25° 2 | 22° 2 | 18°19 | 14°20 | 22° 2 | 7°10 | 23°52 | 6°15 | 2°36 | 22°58 | 23°51 | 22° 7 | n.a. | M13 |
| T 14 | 18 20 16 | 3°16'57 | 9♋ 2 | 23°35 | 19°24 | 14°59 | 22°15 | 7° 5 | 23°56 | 6°16 | 2°38 | 22°57 | 23°48 | 22°14 | n.a. | T 14 |
| W15 | 18 24 12 | 4°15'02 | 22°42 | 25° 7 | 20°30 | 15°39 | 22°28 | 7° 1 | 24° 0 | 6°16 | 2°40 | 22°D56 | 23°45 | 22°21 | n.a. | W15 |
| T 16 | 18 28 9 | 5°13'08 | 6♌ 1 | 26°37 | 21°36 | 16°19 | 22°41 | 6°56 | 24° 3 | 6°16 | 2°43 | 22°57 | 23°42 | 22°28 | n.a. | T 16 |
| F 17 | 18 32 5 | 6°11'17 | 18°58 | 28° 6 | 22°42 | 16°59 | 22°54 | 6°52 | 24° 7 | 6°17 | 2°45 | 22°58 | 23°38 | 22°34 | n.a. | F 17 |
| S 18 | 18 36 2 | 7° 9'27 | 1♍36 | 29°34 | 23°48 | 17°39 | 23° 7 | 6°47 | 24°11 | 6°17 | 2°47 | 22°59 | 23°35 | 22°41 | n.a. | S 18 |
| S 19 | 18 39 58 | 8° 7'38 | 13°57 | 1♌ 0 | 24°55 | 18°19 | 23°20 | 6°42 | 24°14 | 6°17 | 2°49 | 23° 0 | 23°32 | 22°48 | n.a. | S 19 |
| M20 | 18 43 55 | 9° 5'52 | 26° 4 | 2°25 | 26° 1 | 18°59 | 23°33 | 6°38 | 24°18 | 6°18 | 2°51 | 23° 1 | 23°29 | 22°54 | n.a. | M20 |
| T 21 | 18 47 52 | 10° 4'07 | 8♎ 2 | 3°48 | 27° 8 | 19°39 | 23°46 | 6°33 | 24°22 | 6°18 | 2°53 | 23°R 2 | 23°26 | 23° 1 | n.a. | T 21 |
| W22 | 18 51 48 | 11° 2'23 | 19°56 | 5°10 | 28°15 | 20°20 | 23°59 | 6°28 | 24°25 | 6°19 | 2°55 | 23° 2 | 23°22 | 23° 8 | n.a. | W22 |
| T 23 | 18 55 45 | 12° 0'42 | 1♏50 | 6°31 | 29°23 | 21° 0 | 24°11 | 6°24 | 24°29 | 6°19 | 2°57 | 23° 1 | 23°19 | 23°15 | n.a. | T 23 |
| F 24 | 18 59 41 | 12°59'02 | 13°49 | 7°50 | 0♊30 | 21°40 | 24°24 | 6°19 | 24°33 | 6°20 | 2°59 | 23° 0 | 23°16 | 23°21 | n.a. | F 24 |
| S 25 | 19 3 38 | 13°57'24 | 25°56 | 9° 7 | 1°38 | 22°21 | 24°37 | 6°15 | 24°37 | 6°21 | 3° 1 | 22°59 | 23°13 | 23°28 | n.a. | S 25 |
| S 26 | 19 7 34 | 14°55'48 | 8♐14 | 10°23 | 2°45 | 23° 1 | 24°50 | 6°10 | 24°40 | 6°21 | 3° 4 | 22°57 | 23°10 | 23°35 | n.a. | S 26 |
| M27 | 19 11 31 | 15°54'14 | 20°47 | 11°37 | 3°53 | 23°42 | 25° 3 | 6° 6 | 24°44 | 6°22 | 3° 6 | 22°57 | 23° 7 | 23°42 | n.a. | M27 |
| T 28 | 19 15 27 | 16°52'41 | 3♑37 | 12°49 | 5° 1 | 24°23 | 25°15 | 6° 1 | 24°48 | 6°23 | 3° 8 | 22°56 | 23° 3 | 23°48 | n.a. | T 28 |
| W29 | 19 19 24 | 17°51'11 | 16°42 | 13°59 | 6°10 | 25° 3 | 25°28 | 5°57 | 24°52 | 6°23 | 3°10 | 22°D56 | 23° 0 | 23°55 | n.a. | W29 |
| T 30 | 19 23 20 | 18°49'43 | 0♒ 4 | 15° 8 | 7°18 | 25°44 | 25°41 | 5°52 | 24°56 | 6°24 | 3°12 | 22°56 | 22°57 | 24° 2 | n.a. | T 30 |
| F 31 | 19 27 17 | 19♋48'17 | 13♒40 | 16♌14 | 8♊27 | 26♌25 | 25♊53 | 5♑48 | 24♋59 | 6♎25 | 3♌15 | 22♋56 | 22♋54 | 24♎ 8 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| W 1 | 23n35 | 22s18 | 1n23 | 25n40 | 1n45 | 10n49 | 3s 0 | 19n59 | 0n59 | 23n54 | 0n25 | 24s33 | 0s53 | 22n33 | 0n40 | 0s35 | 2n 7 | 35n 9 | 15n33 | 21n53 | 21n39 | 3s31 | | | n.a. |
| T 2 | 23 39 | 22 4 | 0 13 | 25 35 | 1 43 | 11 12 | 2 58 | 19 48 | 0 59 | 23 55 | 0 25 | 24 33 | 0 53 | 22 32 | 0 40 | 0 35 | 2 7 | 35 8 | 15 33 | 21 54 | 21 40 | 3 34 | | | n.a. |
| F 3 | 23 43 | 20 37 | 0s58 | 25 29 | 1 40 | 11 34 | 2 56 | 19 37 | 0 58 | 23 56 | 0 25 | 24 34 | 0 53 | 22 32 | 0 40 | 0 35 | 2 7 | 35 7 | 15 33 | 21 54 | 21 40 | 3 36 | | | n.a. |
| S 4 | 23 46 | 18 0 | 2 8 | 25 20 | 1 37 | 11 57 | 2 53 | 19 26 | 0 57 | 23 57 | 0 25 | 24 34 | 0 53 | 22 31 | 0 40 | 0 35 | 2 7 | 35 6 | 15 33 | 21 53 | 21 41 | 3 39 | | | n.a. |
| S 5 | 23 48 | 14 22 | 3 12 | 25 10 | 1 33 | 12 19 | 2 51 | 19 15 | 0 56 | 23 58 | 0 25 | 24 34 | 0 53 | 22 30 | 0 40 | 0 36 | 2 7 | 35 6 | 15 32 | 21 53 | 21 42 | 3 41 | | | n.a. |
| M 6 | 23 51 | 9 54 | 4 6 | 24 58 | 1 29 | 12 41 | 2 49 | 19 4 | 0 56 | 24 0 | 0 25 | 24 35 | 0 53 | 22 30 | 0 40 | 0 36 | 2 7 | 35 5 | 15 32 | 21 53 | 21 42 | 3 44 | | | n.a. |
| T 7 | 23 52 | 4 52 | 4 46 | 24 44 | 1 24 | 13 4 | 2 46 | 18 52 | 0 55 | 24 1 | 0 25 | 24 35 | 0 53 | 22 29 | 0 40 | 0 36 | 2 7 | 35 4 | 15 32 | 21 53 | 21 43 | 3 46 | | | n.a. |
| W 8 | 23 54 | 0n30 | 5 9 | 24 29 | 1 19 | 13 26 | 2 44 | 18 41 | 0 54 | 24 2 | 0 25 | 24 36 | 0 54 | 22 28 | 0 40 | 0 36 | 2 7 | 35 3 | 15 32 | 21 53 | 21 43 | 3 49 | | | n.a. |
| T 9 | 23 55 | 5 53 | 5 13 | 24 13 | 1 14 | 13 48 | 2 41 | 18 29 | 0 54 | 24 3 | 0 26 | 24 36 | 0 54 | 22 28 | 0 40 | 0 36 | 2 6 | 35 3 | 15 31 | 21 53 | 21 44 | 3 51 | | | n.a. |
| F 10 | 23 55 | 10 59 | 4 57 | 23 55 | 1 9 | 14 9 | 2 39 | 18 17 | 0 53 | 24 4 | 0 26 | 24 36 | 0 54 | 22 27 | 0 40 | 0 36 | 2 6 | 35 2 | 15 31 | 21 54 | 21 44 | 3 54 | | | n.a. |
| S 11 | 23 55 | 15 29 | 4 23 | 23 36 | 1 3 | 14 31 | 2 36 | 18 5 | 0 52 | 24 5 | 0 26 | 24 37 | 0 54 | 22 27 | 0 40 | 0 36 | 2 6 | 35 1 | 15 31 | 21 54 | 21 45 | 3 56 | | | n.a. |
| S 12 | 23 55 | 19 1 | 3 32 | 23 15 | 0 56 | 14 52 | 2 33 | 17 53 | 0 52 | 24 6 | 0 26 | 24 37 | 0 54 | 22 26 | 0 40 | 0 36 | 2 6 | 35 1 | 15 31 | 21 55 | 21 46 | 3 59 | | | n.a. |
| M13 | 23 54 | 21 22 | 2 28 | 22 54 | 0 50 | 15 13 | 2 30 | 17 40 | 0 51 | 24 7 | 0 26 | 24 37 | 0 54 | 22 25 | 0 40 | 0 36 | 2 6 | 35 0 | 15 31 | 21 55 | 21 46 | 4 1 | | | n.a. |
| T 14 | 23 53 | 22 21 | 1 16 | 22 31 | 0 43 | 15 34 | 2 27 | 17 28 | 0 50 | 24 7 | 0 26 | 24 38 | 0 54 | 22 25 | 0 40 | 0 37 | 2 6 | 34 59 | 15 30 | 21 55 | 21 47 | 4 4 | | | n.a. |
| W15 | 23 51 | 21 57 | 0 1 | 22 8 | 0 36 | 15 55 | 2 24 | 17 15 | 0 49 | 24 8 | 0 26 | 24 38 | 0 54 | 22 24 | 0 40 | 0 37 | 2 6 | 34 59 | 15 30 | 21 56 | 21 47 | 4 6 | | | n.a. |
| T 16 | 23 49 | 20 18 | 1n12 | 21 44 | 0 29 | 16 15 | 2 21 | 17 2 | 0 49 | 24 9 | 0 26 | 24 38 | 0 54 | 22 23 | 0 40 | 0 37 | 2 6 | 34 58 | 15 30 | 21 56 | 21 48 | 4 9 | | | n.a. |
| F 17 | 23 46 | 17 38 | 2 19 | 21 19 | 0 22 | 16 35 | 2 18 | 16 49 | 0 48 | 24 10 | 0 26 | 24 39 | 0 55 | 22 23 | 0 40 | 0 37 | 2 6 | 34 57 | 15 30 | 21 55 | 21 48 | 4 11 | | | n.a. |
| S 18 | 23 43 | 14 11 | 3 18 | 20 53 | 0 14 | 16 55 | 2 15 | 16 36 | 0 47 | 24 11 | 0 27 | 24 39 | 0 55 | 22 22 | 0 40 | 0 37 | 2 6 | 34 56 | 15 30 | 21 55 | 21 49 | 4 14 | | | n.a. |
| S 19 | 23 40 | 10 12 | 4 6 | 20 26 | 0 6 | 17 15 | 2 12 | 16 23 | 0 47 | 24 12 | 0 27 | 24 40 | 0 55 | 22 21 | 0 40 | 0 38 | 2 6 | 34 56 | 15 29 | 21 55 | 21 49 | 4 16 | | | n.a. |
| M20 | 23 36 | 5 53 | 4 42 | 19 59 | 0s 2 | 17 34 | 2 9 | 16 9 | 0 46 | 24 12 | 0 27 | 24 40 | 0 55 | 22 21 | 0 40 | 0 38 | 2 6 | 34 55 | 15 29 | 21 55 | 21 50 | 4 19 | | | n.a. |
| T 21 | 23 32 | 1 25 | 5 6 | 19 32 | 0 10 | 17 53 | 2 5 | 15 56 | 0 45 | 24 13 | 0 27 | 24 40 | 0 55 | 22 20 | 0 40 | 0 38 | 2 6 | 34 54 | 15 29 | 21 55 | 21 51 | 4 21 | | | n.a. |
| W22 | 23 27 | 3s 5 | 5 16 | 19 4 | 0 18 | 18 11 | 2 2 | 15 42 | 0 44 | 24 14 | 0 27 | 24 40 | 0 55 | 22 19 | 0 40 | 0 38 | 2 6 | 34 54 | 15 29 | 21 55 | 21 51 | 4 24 | | | n.a. |
| T 23 | 23 22 | 7 28 | 5 13 | 18 35 | 0 27 | 18 30 | 1 59 | 15 28 | 0 44 | 24 15 | 0 27 | 24 41 | 0 55 | 22 19 | 0 40 | 0 39 | 2 5 | 34 53 | 15 29 | 21 55 | 21 52 | 4 26 | | | n.a. |
| F 24 | 23 16 | 11 36 | 4 56 | 18 7 | 0 35 | 18 47 | 1 55 | 15 14 | 0 43 | 24 15 | 0 27 | 24 41 | 0 55 | 22 18 | 0 40 | 0 39 | 2 5 | 34 52 | 15 29 | 21 55 | 21 52 | 4 29 | | | n.a. |
| S 25 | 23 10 | 15 19 | 4 26 | 17 38 | 0 44 | 19 5 | 1 52 | 15 0 | 0 42 | 24 16 | 0 27 | 24 41 | 0 55 | 22 17 | 0 40 | 0 39 | 2 5 | 34 52 | 15 29 | 21 55 | 21 53 | 4 31 | | | n.a. |
| S 26 | 23 4 | 18 27 | 3 43 | 17 9 | 0 53 | 19 22 | 1 48 | 14 46 | 0 42 | 24 17 | 0 28 | 24 42 | 0 55 | 22 17 | 0 40 | 0 40 | 2 5 | 34 51 | 15 29 | 21 55 | 21 53 | 4 34 | | | n.a. |
| M27 | 22 57 | 20 47 | 2 49 | 16 40 | 1 2 | 19 38 | 1 45 | 14 32 | 0 41 | 24 17 | 0 28 | 24 42 | 0 55 | 22 16 | 0 40 | 0 40 | 2 5 | 34 50 | 15 28 | 21 56 | 21 54 | 4 36 | | | n.a. |
| T 28 | 22 50 | 22 7 | 1 45 | 16 11 | 1 11 | 19 55 | 1 41 | 14 17 | 0 40 | 24 18 | 0 28 | 24 42 | 0 55 | 22 15 | 0 40 | 0 40 | 2 5 | 34 50 | 15 28 | 21 56 | 21 54 | 4 39 | | | n.a. |
| W29 | 22 42 | 22 17 | 0 34 | 15 42 | 1 20 | 20 10 | 1 37 | 14 3 | 0 39 | 24 18 | 0 28 | 24 43 | 0 56 | 22 15 | 0 40 | 0 41 | 2 5 | 34 49 | 15 28 | 21 56 | 21 55 | 4 41 | | | n.a. |
| T 30 | 22 34 | 21 11 | 0s39 | 15 13 | 1 29 | 20 26 | 1 34 | 13 48 | 0 39 | 24 19 | 0 28 | 24 43 | 0 56 | 22 14 | 0 40 | 0 41 | 2 5 | 34 48 | 15 28 | 21 56 | 21 55 | 4 44 | | | n.a. |
| F 31 | 22n26 | 18s51 | 1s52 | 14n44 | 1s38 | 20n40 | 1s30 | 13n33 | 0n38 | 24n20 | 0n28 | 24s43 | 0s56 | 22n13 | 0n40 | 0s42 | 2n 5 | 34n48 | 15n28 | 21n56 | 21n56 | 4s46 | | | n.a. |

Julian Day Number = 996948.5, Delta T = 12h55m46s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'12, Lahiri = -31°18'11 Julian Calendar 1 July 1984 BCE == Greg. Calendar 14 June 1984 BCE

The year -1983 astronomical counting style corresponds to year 1984 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## AUGUST 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 31 14 | 20♋46'53 | 27♒29 | 17♌18 | 9♊35 | 27♌ 6 | 26♊ 6 | 5°R44 | 25♋ 3 | 6♎26 | 3♌17 | 22♋56 | 22♋51 | 24♎15 | n.a. | S 1 |
| S 2 | 19 35 10 | 21°45'31 | 11♓28 | 18°20 | 10°44 | 27°47 | 26°18 | 5♏39 | 25° 7 | 6°27 | 3°19 | 22°56 | 22°48 | 24°22 | n.a. | S 2 |
| M 3 | 19 39 7 | 22°44'12 | 25°34 | 19°19 | 11°53 | 28°28 | 26°31 | 5°35 | 25°11 | 6°28 | 3°21 | 22°R56 | 22°44 | 24°29 | n.a. | M 3 |
| T 4 | 19 43 3 | 23°42'55 | 9♈45 | 20°15 | 13° 3 | 29° 9 | 26°43 | 5°31 | 25°14 | 6°29 | 3°24 | 22°56 | 22°41 | 24°35 | n.a. | T 4 |
| W 5 | 19 47 0 | 24°41'41 | 23°59 | 21° 9 | 14°12 | 29°50 | 26°56 | 5°26 | 25°18 | 6°29 | 3°26 | 22°D56 | 22°38 | 24°42 | n.a. | W 5 |
| T 6 | 19 50 56 | 25°40'29 | 8♉12 | 22° 0 | 15°22 | 0♍32 | 27° 8 | 5°22 | 25°22 | 6°30 | 3°28 | 22°56 | 22°35 | 24°49 | n.a. | T 6 |
| F 7 | 19 54 53 | 26°39'20 | 22°22 | 22°47 | 16°31 | 1°13 | 27°20 | 5°18 | 25°26 | 6°32 | 3°30 | 22°56 | 22°32 | 24°55 | n.a. | F 7 |
| S 8 | 19 58 49 | 27°38'13 | 6♊27 | 23°31 | 17°41 | 1°55 | 27°33 | 5°14 | 25°30 | 6°33 | 3°32 | 22°57 | 22°28 | 25° 2 | n.a. | S 8 |
| S 9 | 20 2 46 | 28°37'08 | 20°24 | 24°11 | 18°51 | 2°36 | 27°45 | 5°10 | 25°34 | 6°34 | 3°35 | 22°57 | 22°25 | 25° 9 | n.a. | S 9 |
| M10 | 20 6 42 | 29°36'06 | 4♋11 | 24°46 | 20° 1 | 3°18 | 27°57 | 5° 6 | 25°37 | 6°35 | 3°37 | 22°58 | 22°22 | 25°16 | n.a. | M10 |
| T 11 | 20 10 39 | 0♌35'07 | 17°45 | 25°17 | 21°11 | 3°59 | 28° 9 | 5° 2 | 25°41 | 6°36 | 3°39 | 22°R58 | 22°19 | 25°22 | n.a. | T 11 |
| W12 | 20 14 36 | 1°34'09 | 1♌ 6 | 25°44 | 22°22 | 4°41 | 28°21 | 4°58 | 25°45 | 6°37 | 3°42 | 22°58 | 22°16 | 25°29 | n.a. | W12 |
| T 13 | 20 18 32 | 2°33'14 | 14°10 | 26° 5 | 23°32 | 5°23 | 28°33 | 4°54 | 25°49 | 6°38 | 3°44 | 22°58 | 22°13 | 25°36 | n.a. | T 13 |
| F 14 | 20 22 29 | 3°32'21 | 26°59 | 26°20 | 24°43 | 6° 5 | 28°45 | 4°50 | 25°52 | 6°40 | 3°46 | 22°57 | 22° 9 | 25°43 | n.a. | F 14 |
| S 15 | 20 26 25 | 4°31'30 | 9♍32 | 26°29 | 25°53 | 6°47 | 28°57 | 4°47 | 25°56 | 6°41 | 3°48 | 22°55 | 22° 6 | 25°49 | n.a. | S 15 |
| S 16 | 20 30 22 | 5°30'40 | 21°50 | 26°R32 | 27° 4 | 7°29 | 29° 9 | 4°43 | 26° 0 | 6°42 | 3°51 | 22°53 | 22° 3 | 25°56 | n.a. | S 16 |
| M17 | 20 34 18 | 6°29'53 | 3♎57 | 26°28 | 28°15 | 8°11 | 29°21 | 4°40 | 26° 4 | 6°43 | 3°53 | 22°51 | 22° 0 | 26° 3 | n.a. | M17 |
| T 18 | 20 38 15 | 7°29'08 | 15°55 | 26°16 | 29°26 | 8°53 | 29°32 | 4°36 | 26° 8 | 6°45 | 3°55 | 22°50 | 21°57 | 26° 9 | n.a. | T 18 |
| W19 | 20 42 11 | 8°28'25 | 27°49 | 25°57 | 0♋37 | 9°35 | 29°44 | 4°33 | 26°11 | 6°46 | 3°57 | 22°49 | 21°54 | 26°16 | n.a. | W19 |
| T 20 | 20 46 8 | 9°27'44 | 9♏42 | 25°30 | 1°49 | 10°17 | 29°56 | 4°29 | 26°15 | 6°48 | 4° 0 | 22°D48 | 21°50 | 26°23 | n.a. | T 20 |
| F 21 | 20 50 4 | 10°27'05 | 21°39 | 24°56 | 3° 0 | 11° 0 | 0♋ 7 | 4°26 | 26°19 | 6°49 | 4° 2 | 22°49 | 21°47 | 26°30 | n.a. | F 21 |
| S 22 | 20 54 1 | 11°26'28 | 3♐45 | 24°13 | 4°12 | 11°42 | 0°18 | 4°23 | 26°22 | 6°50 | 4° 4 | 22°50 | 21°44 | 26°36 | n.a. | S 22 |
| S 23 | 20 57 58 | 12°25'53 | 16° 5 | 23°23 | 5°23 | 12°25 | 0°30 | 4°20 | 26°26 | 6°52 | 4° 6 | 22°51 | 21°41 | 26°43 | n.a. | S 23 |
| M24 | 21 1 54 | 13°25'20 | 28°42 | 22°26 | 6°35 | 13° 7 | 0°41 | 4°17 | 26°30 | 6°53 | 4° 9 | 22°53 | 21°38 | 26°50 | n.a. | M24 |
| T 25 | 21 5 51 | 14°24'48 | 11♑40 | 21°24 | 7°47 | 13°50 | 0°52 | 4°14 | 26°34 | 6°55 | 4°11 | 22°54 | 21°34 | 26°57 | n.a. | T 25 |
| W26 | 21 9 47 | 15°24'19 | 25° 0 | 20°16 | 8°59 | 14°32 | 1° 3 | 4°11 | 26°37 | 6°56 | 4°13 | 22°R54 | 21°31 | 27° 3 | n.a. | W26 |
| T 27 | 21 13 44 | 16°23'52 | 8♒41 | 19° 5 | 10°11 | 15°15 | 1°15 | 4° 8 | 26°41 | 6°58 | 4°15 | 22°54 | 21°28 | 27°10 | n.a. | T 27 |
| F 28 | 21 17 40 | 17°23'27 | 22°43 | 17°53 | 11°23 | 15°58 | 1°25 | 4° 5 | 26°44 | 7° 0 | 4°18 | 22°52 | 21°25 | 27°17 | n.a. | F 28 |
| S 29 | 21 21 37 | 18°23'05 | 7♓ 1 | 16°42 | 12°35 | 16°41 | 1°36 | 4° 3 | 26°48 | 7° 1 | 4°20 | 22°49 | 21°22 | 27°23 | n.a. | S 29 |
| S 30 | 21 25 33 | 19°22'44 | 21°29 | 15°32 | 13°47 | 17°24 | 1°47 | 4° 0 | 26°52 | 7° 3 | 4°22 | 22°45 | 21°19 | 27°30 | n.a. | S 30 |
| M31 | 21 29 30 | 20♌22'26 | 6♈ 2 | 14♌28 | 15♋ 0 | 18♍ 7 | 1♋58 | 3♏58 | 26♋55 | 7♎ 5 | 4♌24 | 22♋41 | 21♋15 | 27♎37 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n17 | 15s24 | 3s 0 | 14n16 | 1s47 | 20n55 | 1s27 | 13n18 | 0n37 | 24n20 | 0n28 | 24s43 | 0s56 | 22n12 | 0n40 | 0s42 | 2n 5 | 34n47 | 15n28 | 21n56 | 21n57 | 4s49 | | n.a. |
| S 2 | 22 7 | 11 3 | 3 58 | 13 49 | 1 56 | 21 8 | 1 23 | 13 3 | 0 37 | 24 21 | 0 28 | 24 44 | 0 56 | 22 12 | 0 40 | 0 42 | 2 5 | 34 46 | 15 28 | 21 56 | 21 57 | 4 51 | | n.a. |
| M 3 | 21 58 | 6 5 | 4 42 | 13 22 | 2 5 | 21 22 | 1 19 | 12 48 | 0 36 | 24 21 | 0 29 | 24 44 | 0 56 | 22 11 | 0 40 | 0 43 | 2 5 | 34 46 | 15 28 | 21 56 | 21 58 | 4 54 | | n.a. |
| T 4 | 21 47 | 0 47 | 5 9 | 12 55 | 2 13 | 21 34 | 1 15 | 12 33 | 0 35 | 24 22 | 0 29 | 24 44 | 0 56 | 22 10 | 0 40 | 0 43 | 2 5 | 34 45 | 15 28 | 21 56 | 21 58 | 4 56 | | n.a. |
| W 5 | 21 37 | 4n35 | 5 17 | 12 30 | 2 22 | 21 47 | 1 12 | 12 17 | 0 34 | 24 22 | 0 29 | 24 44 | 0 56 | 22 10 | 0 40 | 0 44 | 2 5 | 34 45 | 15 28 | 21 56 | 21 59 | 4 59 | | n.a. |
| T 6 | 21 26 | 9 42 | 5 6 | 12 5 | 2 31 | 21 58 | 1 8 | 12 2 | 0 34 | 24 22 | 0 29 | 24 45 | 0 56 | 22 9 | 0 40 | 0 44 | 2 4 | 34 44 | 15 28 | 21 56 | 21 59 | 5 1 | | n.a. |
| F 7 | 21 15 | 14 17 | 4 36 | 11 42 | 2 39 | 22 9 | 1 4 | 11 46 | 0 33 | 24 23 | 0 29 | 24 45 | 0 56 | 22 8 | 0 40 | 0 45 | 2 4 | 34 43 | 15 28 | 21 56 | 22 0 | 5 4 | | n.a. |
| S 8 | 21 3 | 18 2 | 3 50 | 11 19 | 2 48 | 22 20 | 1 1 | 11 30 | 0 32 | 24 23 | 0 29 | 24 45 | 0 56 | 22 8 | 0 40 | 0 45 | 2 4 | 34 43 | 15 28 | 21 56 | 22 0 | 5 6 | | n.a. |
| S 9 | 20 51 | 20 43 | 2 51 | 10 58 | 2 55 | 22 30 | 0 57 | 11 15 | 0 32 | 24 24 | 0 29 | 24 45 | 0 56 | 22 7 | 0 40 | 0 46 | 2 4 | 34 42 | 15 28 | 21 55 | 22 1 | 5 9 | | n.a. |
| M10 | 20 39 | 22 9 | 1 42 | 10 39 | 3 3 | 22 39 | 0 53 | 10 59 | 0 31 | 24 24 | 0 30 | 24 45 | 0 56 | 22 6 | 0 40 | 0 46 | 2 4 | 34 42 | 15 28 | 21 55 | 22 1 | 5 11 | | n.a. |
| T 11 | 20 26 | 22 14 | 0 29 | 10 22 | 3 10 | 22 48 | 0 49 | 10 43 | 0 30 | 24 24 | 0 30 | 24 46 | 0 56 | 22 5 | 0 40 | 0 47 | 2 4 | 34 41 | 15 28 | 21 55 | 22 2 | 5 14 | | n.a. |
| W12 | 20 13 | 21 3 | 0n45 | 10 7 | 3 17 | 22 56 | 0 46 | 10 26 | 0 29 | 24 25 | 0 30 | 24 46 | 0 56 | 22 5 | 0 40 | 0 47 | 2 4 | 34 41 | 15 28 | 21 55 | 22 2 | 5 16 | | n.a. |
| T 13 | 19 59 | 18 44 | 1 55 | 9 54 | 3 23 | 23 4 | 0 42 | 10 10 | 0 29 | 24 25 | 0 30 | 24 46 | 0 56 | 22 4 | 0 40 | 0 48 | 2 4 | 34 40 | 15 28 | 21 55 | 22 3 | 5 19 | | n.a. |
| F 14 | 19 45 | 15 32 | 2 57 | 9 43 | 3 29 | 23 10 | 0 38 | 9 54 | 0 28 | 24 25 | 0 30 | 24 46 | 0 56 | 22 3 | 0 40 | 0 48 | 2 4 | 34 39 | 15 28 | 21 56 | 22 3 | 5 21 | | n.a. |
| S 15 | 19 31 | 11 41 | 3 50 | 9 35 | 3 34 | 23 17 | 0 35 | 9 37 | 0 27 | 24 25 | 0 30 | 24 46 | 0 56 | 22 3 | 0 40 | 0 49 | 2 4 | 34 39 | 15 28 | 21 56 | 22 4 | 5 24 | | n.a. |
| S 16 | 19 16 | 7 26 | 4 31 | 9 31 | 3 38 | 23 22 | 0 31 | 9 21 | 0 27 | 24 26 | 0 30 | 24 47 | 0 57 | 22 2 | 0 40 | 0 49 | 2 4 | 34 38 | 15 28 | 21 56 | 22 5 | 5 26 | | n.a. |
| M17 | 19 1 | 2 57 | 4 59 | 9 29 | 3 41 | 23 27 | 0 27 | 9 4 | 0 26 | 24 26 | 0 31 | 24 47 | 0 57 | 22 1 | 0 40 | 0 50 | 2 4 | 34 38 | 15 28 | 21 56 | 22 5 | 5 29 | | n.a. |
| T 18 | 18 46 | 1s35 | 5 13 | 9 32 | 3 43 | 23 31 | 0 24 | 8 47 | 0 25 | 24 26 | 0 31 | 24 47 | 0 57 | 22 0 | 0 40 | 0 51 | 2 4 | 34 37 | 15 28 | 21 57 | 22 6 | 5 31 | | n.a. |
| W19 | 18 31 | 6 1 | 5 15 | 9 38 | 3 43 | 23 35 | 0 20 | 8 30 | 0 24 | 24 26 | 0 31 | 24 47 | 0 57 | 22 0 | 0 40 | 0 51 | 2 4 | 34 37 | 15 28 | 21 57 | 22 6 | 5 34 | | n.a. |
| T 20 | 18 15 | 10 14 | 5 2 | 9 48 | 3 42 | 23 38 | 0 17 | 8 13 | 0 24 | 24 26 | 0 31 | 24 47 | 0 57 | 21 59 | 0 40 | 0 52 | 2 4 | 34 36 | 15 28 | 21 57 | 22 7 | 5 37 | | n.a. |
| F 21 | 17 58 | 14 5 | 4 37 | 10 2 | 3 40 | 23 40 | 0 13 | 7 56 | 0 23 | 24 27 | 0 31 | 24 47 | 0 57 | 21 58 | 0 40 | 0 52 | 2 4 | 34 36 | 15 29 | 21 57 | 22 7 | 5 39 | | n.a. |
| S 22 | 17 42 | 17 25 | 3 59 | 10 20 | 3 36 | 23 42 | 0 10 | 7 39 | 0 22 | 24 27 | 0 31 | 24 48 | 0 57 | 21 58 | 0 40 | 0 53 | 2 3 | 34 35 | 15 29 | 21 57 | 22 8 | 5 42 | | n.a. |
| S 23 | 17 25 | 20 3 | 3 9 | 10 42 | 3 29 | 23 43 | 0 6 | 7 22 | 0 21 | 24 27 | 0 32 | 24 48 | 0 57 | 21 57 | 0 40 | 0 54 | 2 3 | 34 35 | 15 29 | 21 56 | 22 8 | 5 44 | | n.a. |
| M24 | 17 8 | 21 46 | 2 9 | 11 9 | 3 21 | 23 43 | 0 3 | 7 5 | 0 21 | 24 27 | 0 32 | 24 48 | 0 57 | 21 56 | 0 40 | 0 54 | 2 3 | 34 34 | 15 29 | 21 56 | 22 9 | 5 47 | | n.a. |
| T 25 | 16 50 | 22 23 | 1 2 | 11 39 | 3 11 | 23 42 | 0n 1 | 6 47 | 0 20 | 24 27 | 0 32 | 24 48 | 0 57 | 21 55 | 0 40 | 0 55 | 2 3 | 34 34 | 15 29 | 21 56 | 22 9 | 5 49 | | n.a. |
| W26 | 16 32 | 21 45 | 0s12 | 12 12 | 2 59 | 23 41 | 0 4 | 6 30 | 0 19 | 24 27 | 0 32 | 24 48 | 0 57 | 21 55 | 0 40 | 0 56 | 2 3 | 34 33 | 15 29 | 21 56 | 22 10 | 5 52 | | n.a. |
| T 27 | 16 14 | 19 50 | 1 26 | 12 48 | 2 45 | 23 39 | 0 8 | 6 13 | 0 19 | 24 27 | 0 32 | 24 48 | 0 57 | 21 54 | 0 40 | 0 56 | 2 3 | 34 33 | 15 29 | 21 56 | 22 10 | 5 54 | | n.a. |
| F 28 | 15 56 | 16 41 | 2 36 | 13 25 | 2 29 | 23 36 | 0 11 | 5 55 | 0 18 | 24 27 | 0 32 | 24 48 | 0 57 | 21 53 | 0 40 | 0 57 | 2 3 | 34 32 | 15 29 | 21 56 | 22 11 | 5 57 | | n.a. |
| S 29 | 15 37 | 12 29 | 3 39 | 14 4 | 2 11 | 23 33 | 0 14 | 5 37 | 0 17 | 24 27 | 0 33 | 24 48 | 0 57 | 21 53 | 0 40 | 0 58 | 2 3 | 34 32 | 15 30 | 21 57 | 22 11 | 5 59 | | n.a. |
| S 30 | 15 18 | 7 32 | 4 28 | 14 43 | 1 53 | 23 29 | 0 17 | 5 20 | 0 16 | 24 27 | 0 33 | 24 48 | 0 57 | 21 52 | 0 40 | 0 59 | 2 3 | 34 32 | 15 30 | 21 58 | 22 12 | 6 2 | | n.a. |
| M31 | 14n59 | 2s 8 | 5s 0 | 15n20 | 1s33 | 23n24 | 0n21 | 5n 2 | 0n16 | 24n27 | 0n33 | 24s49 | 0s57 | 21n51 | 0n40 | 0s59 | 2n 3 | 34n31 | 15n30 | 21n58 | 22n12 | 6s 4 | | n.a. |

Julian Day Number = 996979.5, Delta T = 12h55m44s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'08, Lahiri = -31°18'07 Julian Calendar 1 Aug. 1984 BCE == Greg. Calendar 15 July 1984 BCE

The year -1983 astronomical counting style corresponds to year 1984 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## SEPTEMBER 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 33 26 | 21♌22'10 | 20♈33 | 13°R30 | 16♋12 | 18♍50 | 2♋ 9 | 3°R55 | 26♋59 | 7♎ 6 | 4♌26 | 22°R37 | 21♋12 | 27♎44 | n.a. | T 1 |
| W 2 | 21 37 23 | 22°21'57 | 4♉58 | 12♌40 | 17°25 | 19°33 | 2°19 | 3♏53 | 27° 2 | 7° 8 | 4°29 | 22♋35 | 21° 9 | 27°50 | n.a. | W 2 |
| T 3 | 21 41 20 | 23°21'46 | 19°12 | 11°59 | 18°38 | 20°16 | 2°30 | 3°51 | 27° 6 | 7°10 | 4°31 | 22°D34 | 21° 6 | 27°57 | n.a. | T 3 |
| F 4 | 21 45 16 | 24°21'38 | 3♊13 | 11°29 | 19°51 | 20°59 | 2°40 | 3°49 | 27° 9 | 7°11 | 4°33 | 22°34 | 21° 3 | 28° 4 | n.a. | F 4 |
| S 5 | 21 49 13 | 25°21'32 | 17° 2 | 11°11 | 21° 3 | 21°43 | 2°50 | 3°47 | 27°13 | 7°13 | 4°35 | 22°35 | 20°59 | 28°11 | n.a. | S 5 |
| S 6 | 21 53 9 | 26°21'29 | 0♋36 | 11°D 3 | 22°16 | 22°26 | 3° 0 | 3°45 | 27°16 | 7°15 | 4°37 | 22°37 | 20°56 | 28°17 | n.a. | S 6 |
| M 7 | 21 57 6 | 27°21'27 | 13°58 | 11° 6 | 23°30 | 23° 9 | 3°11 | 3°43 | 27°20 | 7°17 | 4°39 | 22°38 | 20°53 | 28°24 | n.a. | M 7 |
| T 8 | 22 1 2 | 28°21'29 | 27° 7 | 11°21 | 24°43 | 23°53 | 3°21 | 3°41 | 27°23 | 7°19 | 4°41 | 22°R38 | 20°50 | 28°31 | n.a. | T 8 |
| W 9 | 22 4 59 | 29°21'32 | 10♌ 4 | 11°46 | 25°56 | 24°36 | 3°30 | 3°40 | 27°27 | 7°21 | 4°44 | 22°37 | 20°47 | 28°37 | n.a. | W 9 |
| T 10 | 22 8 55 | 0♍21'38 | 22°50 | 12°20 | 27° 9 | 25°20 | 3°40 | 3°38 | 27°30 | 7°22 | 4°46 | 22°34 | 20°44 | 28°44 | n.a. | T 10 |
| F 11 | 22 12 52 | 1°21'45 | 5♍24 | 13° 3 | 28°23 | 26° 4 | 3°50 | 3°37 | 27°33 | 7°24 | 4°48 | 22°28 | 20°40 | 28°51 | n.a. | F 11 |
| S 12 | 22 16 48 | 2°21'55 | 17°46 | 13°54 | 29°36 | 26°48 | 4° 0 | 3°35 | 27°37 | 7°26 | 4°50 | 22°21 | 20°37 | 28°58 | n.a. | S 12 |
| S 13 | 22 20 45 | 3°22'06 | 29°59 | 14°53 | 0♌50 | 27°31 | 4° 9 | 3°34 | 27°40 | 7°28 | 4°52 | 22°14 | 20°34 | 29° 4 | n.a. | S 13 |
| M14 | 22 24 42 | 4°22'20 | 12♎ 2 | 15°57 | 2° 3 | 28°15 | 4°18 | 3°33 | 27°43 | 7°30 | 4°54 | 22° 5 | 20°31 | 29°11 | n.a. | M14 |
| T 15 | 22 28 38 | 5°22'35 | 23°58 | 17° 7 | 3°17 | 28°59 | 4°28 | 3°32 | 27°46 | 7°32 | 4°56 | 21°58 | 20°28 | 29°18 | n.a. | T 15 |
| W16 | 22 32 35 | 6°22'52 | 5♏50 | 18°22 | 4°31 | 29°43 | 4°37 | 3°31 | 27°49 | 7°34 | 4°58 | 21°52 | 20°25 | 29°24 | n.a. | W16 |
| T 17 | 22 36 31 | 7°23'11 | 17°41 | 19°41 | 5°44 | 0♎27 | 4°46 | 3°30 | 27°53 | 7°36 | 5° 0 | 21°48 | 20°21 | 29°31 | n.a. | T 17 |
| F 18 | 22 40 28 | 8°23'31 | 29°35 | 21° 4 | 6°58 | 1°11 | 4°55 | 3°30 | 27°56 | 7°38 | 5° 2 | 21°45 | 20°18 | 29°38 | n.a. | F 18 |
| S 19 | 22 44 24 | 9°23'53 | 11♐37 | 22°29 | 8°12 | 1°56 | 5° 4 | 3°29 | 27°59 | 7°40 | 5° 4 | 21°D45 | 20°15 | 29°45 | n.a. | S 19 |
| S 20 | 22 48 21 | 10°24'17 | 23°53 | 23°57 | 9°26 | 2°40 | 5°12 | 3°29 | 28° 2 | 7°42 | 5° 6 | 21°46 | 20°12 | 29°51 | n.a. | S 20 |
| M21 | 22 52 17 | 11°24'42 | 6♑28 | 25°27 | 10°40 | 3°24 | 5°21 | 3°28 | 28° 5 | 7°44 | 5° 8 | 21°47 | 20° 9 | 29°58 | n.a. | M21 |
| T 22 | 22 56 14 | 12°25'09 | 19°25 | 26°58 | 11°54 | 4° 8 | 5°29 | 3°28 | 28° 8 | 7°46 | 5°10 | 21°R48 | 20° 5 | 0♏ 5 | n.a. | T 22 |
| W23 | 23 0 10 | 13°25'38 | 2♒48 | 28°31 | 13° 8 | 4°53 | 5°38 | 3°28 | 28°11 | 7°49 | 5°11 | 21°47 | 20° 2 | 0°12 | n.a. | W23 |
| T 24 | 23 4 7 | 14°26'08 | 16°39 | 0♍ 5 | 14°23 | 5°37 | 5°46 | 3°D28 | 28°14 | 7°51 | 5°13 | 21°45 | 19°59 | 0°18 | n.a. | T 24 |
| F 25 | 23 8 4 | 15°26'40 | 0♓56 | 1°40 | 15°37 | 6°22 | 5°54 | 3°28 | 28°17 | 7°53 | 5°15 | 21°40 | 19°56 | 0°25 | n.a. | F 25 |
| S 26 | 23 12 0 | 16°27'13 | 15°36 | 3°15 | 16°51 | 7° 6 | 6° 2 | 3°28 | 28°20 | 7°55 | 5°17 | 21°32 | 19°53 | 0°32 | n.a. | S 26 |
| S 27 | 23 15 57 | 17°27'48 | 0♈30 | 4°51 | 18° 6 | 7°51 | 6°10 | 3°28 | 28°22 | 7°57 | 5°19 | 21°24 | 19°50 | 0°38 | n.a. | S 27 |
| M28 | 23 19 53 | 18°28'25 | 15°32 | 6°27 | 19°20 | 8°36 | 6°17 | 3°29 | 28°25 | 7°59 | 5°21 | 21°15 | 19°46 | 0°45 | n.a. | M28 |
| T 29 | 23 23 50 | 19°29'03 | 0♉29 | 8° 4 | 20°35 | 9°20 | 6°25 | 3°29 | 28°28 | 8° 1 | 5°22 | 21° 6 | 19°43 | 0°52 | n.a. | T 29 |
| W30 | 23 27 46 | 20♍29'44 | 15♉15 | 9♍40 | 21♌49 | 10♎ 5 | 6♋32 | 3♏30 | 28♋31 | 8♎ 4 | 5♌24 | 20♋59 | 19♋40 | 0♏59 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n40 | 3n22 | 5s13 | 15n57 | 1s13 | 23n18 | 0n24 | 4n44 | 0n15 | 24n27 | 0n33 | 24s49 | 0s57 | 21n51 | 0n40 | 1s 0 | 2n 3 | 34n31 | 15n30 | 21n59 | 22n13 | 6s 7 | | n.a. |
| W 2 | 14 20 | 8 39 | 5 6 | 16 30 | 0 53 | 23 12 | 0 27 | 4 26 | 0 14 | 24 27 | 0 33 | 24 49 | 0 57 | 21 50 | 0 40 | 1 1 | 2 3 | 34 30 | 15 30 | 21 59 | 22 13 | 6 9 | | n.a. |
| T 3 | 14 0 | 13 23 | 4 40 | 17 1 | 0 33 | 23 5 | 0 30 | 4 8 | 0 14 | 24 27 | 0 33 | 24 49 | 0 57 | 21 49 | 0 40 | 1 1 | 2 3 | 34 30 | 15 31 | 21 59 | 22 14 | 6 12 | | n.a. |
| F 4 | 13 40 | 17 20 | 3 58 | 17 28 | 0 13 | 22 58 | 0 33 | 3 50 | 0 13 | 24 27 | 0 34 | 24 49 | 0 57 | 21 49 | 0 40 | 1 2 | 2 3 | 34 30 | 15 31 | 21 59 | 22 14 | 6 14 | | n.a. |
| S 5 | 13 20 | 20 15 | 3 2 | 17 51 | 0n 5 | 22 49 | 0 36 | 3 32 | 0 12 | 24 27 | 0 34 | 24 49 | 0 57 | 21 48 | 0 41 | 1 3 | 2 3 | 34 29 | 15 31 | 21 59 | 22 15 | 6 17 | | n.a. |
| S 6 | 12 59 | 21 58 | 1 57 | 18 10 | 0 22 | 22 40 | 0 39 | 3 14 | 0 11 | 24 27 | 0 34 | 24 49 | 0 57 | 21 47 | 0 41 | 1 4 | 2 3 | 34 29 | 15 31 | 21 59 | 22 15 | 6 19 | | n.a. |
| M 7 | 12 38 | 22 23 | 0 47 | 18 24 | 0 39 | 22 31 | 0 41 | 2 56 | 0 11 | 24 27 | 0 34 | 24 49 | 0 57 | 21 47 | 0 41 | 1 4 | 2 3 | 34 28 | 15 31 | 21 59 | 22 16 | 6 22 | | n.a. |
| T 8 | 12 17 | 21 33 | 0n24 | 18 34 | 0 53 | 22 20 | 0 44 | 2 38 | 0 10 | 24 27 | 0 34 | 24 49 | 0 57 | 21 46 | 0 41 | 1 5 | 2 3 | 34 28 | 15 32 | 21 59 | 22 16 | 6 24 | | n.a. |
| W 9 | 11 56 | 19 34 | 1 33 | 18 40 | 1 6 | 22 9 | 0 47 | 2 19 | 0 9 | 24 27 | 0 34 | 24 49 | 0 57 | 21 45 | 0 41 | 1 6 | 2 3 | 34 28 | 15 32 | 21 59 | 22 17 | 6 27 | | n.a. |
| T 10 | 11 34 | 16 38 | 2 37 | 18 41 | 1 18 | 21 57 | 0 50 | 2 1 | 0 9 | 24 27 | 0 35 | 24 49 | 0 57 | 21 45 | 0 41 | 1 7 | 2 3 | 34 27 | 15 32 | 21 59 | 22 17 | 6 29 | | n.a. |
| F 11 | 11 12 | 12 59 | 3 31 | 18 39 | 1 28 | 21 45 | 0 52 | 1 43 | 0 8 | 24 27 | 0 35 | 24 49 | 0 57 | 21 44 | 0 41 | 1 8 | 2 2 | 34 27 | 15 32 | 22 0 | 22 18 | 6 32 | | n.a. |
| S 12 | 10 50 | 8 49 | 4 15 | 18 32 | 1 37 | 21 32 | 0 55 | 1 24 | 0 7 | 24 27 | 0 35 | 24 49 | 0 57 | 21 43 | 0 41 | 1 8 | 2 2 | 34 27 | 15 33 | 22 1 | 22 18 | 6 34 | | n.a. |
| S 13 | 10 28 | 4 22 | 4 46 | 18 22 | 1 45 | 21 18 | 0 57 | 1 6 | 0 6 | 24 27 | 0 35 | 24 49 | 0 57 | 21 43 | 0 41 | 1 9 | 2 2 | 34 27 | 15 33 | 22 3 | 22 19 | 6 37 | | n.a. |
| M14 | 10 6 | 0s12 | 5 4 | 18 8 | 1 51 | 21 4 | 0 59 | 0 48 | 0 6 | 24 26 | 0 35 | 24 49 | 0 57 | 21 42 | 0 41 | 1 10 | 2 2 | 34 26 | 15 33 | 22 4 | 22 19 | 6 39 | | n.a. |
| T 15 | 9 44 | 4 43 | 5 8 | 17 51 | 1 56 | 20 49 | 1 2 | 0 29 | 0 5 | 24 26 | 0 36 | 24 49 | 0 57 | 21 41 | 0 41 | 1 11 | 2 2 | 34 26 | 15 34 | 22 5 | 22 20 | 6 42 | | n.a. |
| W16 | 9 21 | 9 2 | 4 59 | 17 31 | 2 0 | 20 33 | 1 4 | 0 11 | 0 4 | 24 26 | 0 36 | 24 49 | 0 57 | 21 41 | 0 41 | 1 12 | 2 2 | 34 26 | 15 34 | 22 6 | 22 20 | 6 44 | | n.a. |
| T 17 | 8 58 | 13 0 | 4 38 | 17 9 | 2 3 | 20 17 | 1 6 | 0s 8 | 0 4 | 24 26 | 0 36 | 24 49 | 0 57 | 21 40 | 0 41 | 1 13 | 2 2 | 34 26 | 15 34 | 22 7 | 22 21 | 6 47 | | n.a. |
| F 18 | 8 35 | 16 30 | 4 4 | 16 43 | 2 4 | 20 0 | 1 8 | 0 26 | 0 3 | 24 26 | 0 36 | 24 49 | 0 57 | 21 40 | 0 41 | 1 13 | 2 2 | 34 25 | 15 35 | 22 7 | 22 21 | 6 49 | | n.a. |
| S 19 | 8 12 | 19 21 | 3 19 | 16 16 | 2 5 | 19 43 | 1 10 | 0 45 | 0 2 | 24 26 | 0 36 | 24 49 | 0 57 | 21 39 | 0 41 | 1 14 | 2 2 | 34 25 | 15 35 | 22 7 | 22 22 | 6 52 | | n.a. |
| S 20 | 7 49 | 21 22 | 2 25 | 15 46 | 2 5 | 19 25 | 1 12 | 1 4 | 0 1 | 24 26 | 0 37 | 24 49 | 0 57 | 21 38 | 0 41 | 1 15 | 2 2 | 34 25 | 15 35 | 22 7 | 22 22 | 6 54 | | n.a. |
| M21 | 7 26 | 22 24 | 1 22 | 15 15 | 2 5 | 19 6 | 1 14 | 1 22 | 0 1 | 24 25 | 0 37 | 24 49 | 0 57 | 21 38 | 0 41 | 1 16 | 2 2 | 34 25 | 15 36 | 22 7 | 22 23 | 6 57 | | n.a. |
| T 22 | 7 2 | 22 16 | 0 13 | 14 42 | 2 4 | 18 47 | 1 16 | 1 41 | 0s 0 | 24 25 | 0 37 | 24 49 | 0 57 | 21 37 | 0 41 | 1 17 | 2 2 | 34 24 | 15 36 | 22 7 | 22 23 | 6 59 | | n.a. |
| W23 | 6 38 | 20 53 | 0s59 | 14 7 | 2 2 | 18 27 | 1 18 | 1 59 | 0 1 | 24 25 | 0 37 | 24 49 | 0 57 | 21 37 | 0 41 | 1 18 | 2 2 | 34 24 | 15 36 | 22 7 | 22 24 | 7 2 | | n.a. |
| T 24 | 6 15 | 18 13 | 2 9 | 13 31 | 1 59 | 18 7 | 1 20 | 2 18 | 0 1 | 24 25 | 0 37 | 24 49 | 0 57 | 21 36 | 0 41 | 1 19 | 2 2 | 34 24 | 15 37 | 22 8 | 22 24 | 7 4 | | n.a. |
| F 25 | 5 51 | 14 22 | 3 14 | 12 54 | 1 56 | 17 46 | 1 21 | 2 37 | 0 2 | 24 25 | 0 38 | 24 49 | 0 57 | 21 35 | 0 41 | 1 19 | 2 2 | 34 24 | 15 37 | 22 8 | 22 24 | 7 7 | | n.a. |
| S 26 | 5 27 | 9 34 | 4 7 | 12 16 | 1 53 | 17 25 | 1 23 | 2 55 | 0 3 | 24 25 | 0 38 | 24 49 | 0 57 | 21 35 | 0 41 | 1 20 | 2 2 | 34 24 | 15 37 | 22 10 | 22 25 | 7 9 | | n.a. |
| S 27 | 5 3 | 4 8 | 4 45 | 11 36 | 1 49 | 17 3 | 1 24 | 3 14 | 0 4 | 24 25 | 0 38 | 24 49 | 0 57 | 21 34 | 0 41 | 1 21 | 2 2 | 34 24 | 15 38 | 22 11 | 22 25 | 7 12 | | n.a. |
| M28 | 4 39 | 1n35 | 5 3 | 10 56 | 1 45 | 16 40 | 1 26 | 3 32 | 0 4 | 24 24 | 0 38 | 24 49 | 0 57 | 21 34 | 0 41 | 1 22 | 2 2 | 34 24 | 15 38 | 22 12 | 22 26 | 7 14 | | n.a. |
| T 29 | 4 15 | 7 11 | 5 1 | 10 15 | 1 40 | 16 18 | 1 27 | 3 51 | 0 5 | 24 24 | 0 38 | 24 49 | 0 57 | 21 33 | 0 41 | 1 23 | 2 2 | 34 23 | 15 38 | 22 14 | 22 26 | 7 17 | | n.a. |
| W30 | 3n50 | 12n19 | 4s38 | 9n34 | 1n35 | 15n54 | 1n28 | 4s10 | 0s 6 | 24n24 | 0n39 | 24s49 | 0s57 | 21n33 | 0n41 | 1s24 | 2n 2 | 34n23 | 15n39 | 22n15 | 22n27 | 7s19 | | n.a. |

Julian Day Number = 997010.5, Delta T = 12h55m42s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°25'03, Lahiri = -31°18'03 Julian Calendar 1 Sept. 1984 BCE == Greg. Calendar 15 Aug. 1984 BCE


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## OCTOBER 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 31 43 | 21♍30'26 | 29♉43 | 11♍17 | 23♌ 4 | 10♎50 | 6♋39 | 3♑30 | 28♋33 | 8♎ 6 | 5♌26 | 20°R55 | 19♋37 | 1♏ 5 | n.a. | T 1 |
| F 2 | 23 35 39 | 22°31'11 | 13♊49 | 12°54 | 24°18 | 11°35 | 6°47 | 3°31 | 28°36 | 8° 8 | 5°28 | 20♋53 | 19°34 | 1°12 | n.a. | F 2 |
| S 3 | 23 39 36 | 23°31'57 | 27°34 | 14°30 | 25°33 | 12°20 | 6°53 | 3°32 | 28°39 | 8°10 | 5°29 | 20°D53 | 19°31 | 1°19 | n.a. | S 3 |
| S 4 | 23 43 33 | 24°32'45 | 10♋58 | 16° 7 | 26°48 | 13° 5 | 7° 0 | 3°33 | 28°41 | 8°12 | 5°31 | 20°53 | 19°27 | 1°25 | n.a. | S 4 |
| M 5 | 23 47 29 | 25°33'35 | 24° 4 | 17°43 | 28° 3 | 13°50 | 7° 7 | 3°34 | 28°44 | 8°15 | 5°32 | 20°R53 | 19°24 | 1°32 | n.a. | M 5 |
| T 6 | 23 51 26 | 26°34'26 | 6♌54 | 19°20 | 29°17 | 14°35 | 7°14 | 3°36 | 28°46 | 8°17 | 5°34 | 20°52 | 19°21 | 1°39 | n.a. | T 6 |
| W 7 | 23 55 22 | 27°35'20 | 19°32 | 20°56 | 0♍32 | 15°20 | 7°20 | 3°37 | 28°48 | 8°19 | 5°36 | 20°49 | 19°18 | 1°46 | n.a. | W 7 |
| T 8 | 23 59 19 | 28°36'14 | 2♍ 0 | 22°32 | 1°47 | 16° 6 | 7°26 | 3°38 | 28°51 | 8°21 | 5°37 | 20°42 | 19°15 | 1°52 | n.a. | T 8 |
| F 9 | 0 3 15 | 29°37'11 | 14°18 | 24° 7 | 3° 2 | 16°51 | 7°32 | 3°40 | 28°53 | 8°23 | 5°39 | 20°32 | 19°11 | 1°59 | n.a. | F 9 |
| S 10 | 0 7 12 | 0♎38'08 | 26°29 | 25°43 | 4°17 | 17°36 | 7°38 | 3°42 | 28°55 | 8°26 | 5°40 | 20°20 | 19° 8 | 2° 6 | n.a. | S 10 |
| S 11 | 0 11 8 | 1°39'07 | 8♎32 | 27°19 | 5°32 | 18°22 | 7°44 | 3°43 | 28°58 | 8°28 | 5°42 | 20° 7 | 19° 5 | 2°13 | n.a. | S 11 |
| M12 | 0 15 5 | 2°40'07 | 20°30 | 28°54 | 6°47 | 19° 7 | 7°49 | 3°45 | 29° 0 | 8°30 | 5°43 | 19°52 | 19° 2 | 2°19 | n.a. | M12 |
| T 13 | 0 19 2 | 3°41'09 | 2♏24 | 0♎29 | 8° 2 | 19°52 | 7°55 | 3°47 | 29° 2 | 8°32 | 5°45 | 19°39 | 18°59 | 2°26 | n.a. | T 13 |
| W14 | 0 22 58 | 4°42'11 | 14°14 | 2° 4 | 9°17 | 20°38 | 8° 0 | 3°49 | 29° 4 | 8°35 | 5°46 | 19°27 | 18°56 | 2°33 | n.a. | W14 |
| T 15 | 0 26 55 | 5°43'15 | 26° 4 | 3°39 | 10°32 | 21°24 | 8° 5 | 3°51 | 29° 6 | 8°37 | 5°47 | 19°18 | 18°52 | 2°39 | n.a. | T 15 |
| F 16 | 0 30 51 | 6°44'19 | 7♐57 | 5°14 | 11°47 | 22° 9 | 8°10 | 3°54 | 29° 8 | 8°39 | 5°49 | 19°12 | 18°49 | 2°46 | n.a. | F 16 |
| S 17 | 0 34 48 | 7°45'24 | 19°57 | 6°48 | 13° 2 | 22°55 | 8°15 | 3°56 | 29°10 | 8°41 | 5°50 | 19° 8 | 18°46 | 2°53 | n.a. | S 17 |
| S 18 | 0 38 44 | 8°46'31 | 2♑ 8 | 8°23 | 14°18 | 23°41 | 8°20 | 3°58 | 29°12 | 8°44 | 5°51 | 19° 7 | 18°43 | 3° 0 | n.a. | S 18 |
| M19 | 0 42 41 | 9°47'38 | 14°36 | 9°57 | 15°33 | 24°26 | 8°24 | 4° 1 | 29°14 | 8°46 | 5°52 | 19° 7 | 18°40 | 3° 6 | n.a. | M19 |
| T 20 | 0 46 37 | 10°48'45 | 27°26 | 11°32 | 16°48 | 25°12 | 8°28 | 4° 4 | 29°16 | 8°48 | 5°54 | 19° 7 | 18°36 | 3°13 | n.a. | T 20 |
| W21 | 0 50 34 | 11°49'54 | 10♒43 | 13° 6 | 18° 3 | 25°58 | 8°32 | 4° 6 | 29°17 | 8°51 | 5°55 | 19° 6 | 18°33 | 3°20 | n.a. | W21 |
| T 22 | 0 54 31 | 12°51'03 | 24°29 | 14°41 | 19°18 | 26°44 | 8°36 | 4° 9 | 29°19 | 8°53 | 5°56 | 19° 2 | 18°30 | 3°26 | n.a. | T 22 |
| F 23 | 0 58 27 | 13°52'12 | 8♓46 | 16°15 | 20°34 | 27°30 | 8°40 | 4°12 | 29°21 | 8°55 | 5°57 | 18°55 | 18°27 | 3°33 | n.a. | F 23 |
| S 24 | 1 2 24 | 14°53'22 | 23°31 | 17°49 | 21°49 | 28°16 | 8°43 | 4°15 | 29°22 | 8°57 | 5°58 | 18°46 | 18°24 | 3°40 | n.a. | S 24 |
| S 25 | 1 6 20 | 15°54'33 | 8♈38 | 19°24 | 23° 4 | 29° 2 | 8°47 | 4°19 | 29°24 | 9° 0 | 5°59 | 18°35 | 18°21 | 3°47 | n.a. | S 25 |
| M26 | 1 10 17 | 16°55'45 | 23°56 | 20°58 | 24°19 | 29°48 | 8°50 | 4°22 | 29°25 | 9° 2 | 6° 0 | 18°23 | 18°17 | 3°53 | n.a. | M26 |
| T 27 | 1 14 13 | 17°56'57 | 9♉14 | 22°32 | 25°35 | 0♏34 | 8°53 | 4°25 | 29°27 | 9° 4 | 6° 1 | 18°12 | 18°14 | 4° 0 | n.a. | T 27 |
| W28 | 1 18 10 | 18°58'10 | 24°22 | 24° 7 | 26°50 | 1°20 | 8°56 | 4°29 | 29°28 | 9° 6 | 6° 2 | 18° 3 | 18°11 | 4° 7 | n.a. | W28 |
| T 29 | 1 22 6 | 19°59'24 | 9♊ 9 | 25°42 | 28° 5 | 2° 6 | 8°58 | 4°32 | 29°30 | 9° 9 | 6° 3 | 17°56 | 18° 8 | 4°13 | n.a. | T 29 |
| F 30 | 1 26 3 | 21° 0'39 | 23°30 | 27°16 | 29°21 | 2°53 | 9° 1 | 4°36 | 29°31 | 9°11 | 6° 4 | 17°52 | 18° 5 | 4°20 | n.a. | F 30 |
| S 31 | 1 30 0 | 22♎ 1'55 | 7♋24 | 28♎51 | 0♎36 | 3♏39 | 9♋ 3 | 4♑39 | 29♋32 | 9♎13 | 6♌ 5 | 17♋51 | 18♋ 2 | 4♏27 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 3n26 | 16n37 | 3s58 | 8n52 | 1n30 | 15n30 | 1n29 | 4s28 | 0s 6 | 24n24 | 0n39 | 24s49 | 0s57 | 21n32 | 0n41 | 1s25 | 2n 2 | 34n23 | 15n39 | 22n15 | 22n27 | 7s22 | | | n.a. |
| F 2 | 3 2 | 19 52 | 3 4 | 8 9 | 1 25 | 15 6 | 1 30 | 4 47 | 0 7 | 24 24 | 0 39 | 24 49 | 0 57 | 21 32 | 0 41 | 1 26 | 2 2 | 34 23 | 15 40 | 22 16 | 22 28 | 7 24 | | | n.a. |
| S 3 | 2 37 | 21 53 | 2 1 | 7 26 | 1 20 | 14 41 | 1 31 | 5 5 | 0 8 | 24 24 | 0 39 | 24 49 | 0 57 | 21 31 | 0 41 | 1 27 | 2 2 | 34 23 | 15 40 | 22 16 | 22 28 | 7 27 | | | n.a. |
| S 4 | 2 13 | 22 35 | 0 53 | 6 43 | 1 14 | 14 16 | 1 32 | 5 24 | 0 8 | 24 23 | 0 40 | 24 49 | 0 57 | 21 31 | 0 41 | 1 28 | 2 2 | 34 23 | 15 40 | 22 16 | 22 29 | 7 30 | | | n.a. |
| M 5 | 1 48 | 22 0 | 0n17 | 5 59 | 1 8 | 13 51 | 1 33 | 5 42 | 0 9 | 24 23 | 0 40 | 24 49 | 0 57 | 21 30 | 0 41 | 1 28 | 2 2 | 34 23 | 15 41 | 22 16 | 22 29 | 7 32 | | | n.a. |
| T 6 | 1 23 | 20 16 | 1 24 | 5 15 | 1 2 | 13 25 | 1 34 | 6 1 | 0 10 | 24 23 | 0 40 | 24 49 | 0 57 | 21 30 | 0 41 | 1 29 | 2 2 | 34 23 | 15 41 | 22 16 | 22 30 | 7 35 | | | n.a. |
| W 7 | 0 59 | 17 34 | 2 26 | 4 31 | 0 56 | 12 59 | 1 35 | 6 19 | 0 11 | 24 23 | 0 40 | 24 49 | 0 57 | 21 29 | 0 41 | 1 30 | 2 2 | 34 23 | 15 42 | 22 16 | 22 30 | 7 37 | | | n.a. |
| T 8 | 0 34 | 14 5 | 3 20 | 3 47 | 0 50 | 12 32 | 1 35 | 6 38 | 0 11 | 24 23 | 0 40 | 24 49 | 0 57 | 21 29 | 0 42 | 1 31 | 2 2 | 34 23 | 15 42 | 22 17 | 22 31 | 7 40 | | | n.a. |
| F 9 | 0 9 | 10 2 | 4 3 | 3 3 | 0 44 | 12 5 | 1 36 | 6 56 | 0 12 | 24 23 | 0 41 | 24 49 | 0 57 | 21 28 | 0 42 | 1 32 | 2 2 | 34 23 | 15 43 | 22 19 | 22 31 | 7 42 | | | n.a. |
| S 10 | 0s15 | 5 37 | 4 35 | 2 18 | 0 37 | 11 37 | 1 36 | 7 14 | 0 13 | 24 23 | 0 41 | 24 49 | 0 57 | 21 28 | 0 42 | 1 33 | 2 2 | 34 23 | 15 43 | 22 21 | 22 31 | 7 45 | | | n.a. |
| S 11 | 0 40 | 1 3 | 4 55 | 1 34 | 0 31 | 11 10 | 1 37 | 7 33 | 0 13 | 24 23 | 0 41 | 24 49 | 0 57 | 21 28 | 0 42 | 1 34 | 2 2 | 34 23 | 15 44 | 22 23 | 22 32 | 7 47 | | | n.a. |
| M12 | 1 5 | 3s32 | 5 0 | 0 49 | 0 24 | 10 42 | 1 37 | 7 51 | 0 14 | 24 22 | 0 41 | 24 49 | 0 57 | 21 27 | 0 42 | 1 35 | 2 2 | 34 23 | 15 44 | 22 25 | 22 32 | 7 50 | | | n.a. |
| T 13 | 1 30 | 7 58 | 4 53 | 0 5 | 0 18 | 10 13 | 1 37 | 8 9 | 0 15 | 24 22 | 0 42 | 24 49 | 0 57 | 21 27 | 0 42 | 1 36 | 2 2 | 34 23 | 15 45 | 22 27 | 22 33 | 7 52 | | | n.a. |
| W14 | 1 54 | 12 5 | 4 33 | 0s40 | 0 11 | 9 45 | 1 37 | 8 27 | 0 15 | 24 22 | 0 42 | 24 48 | 0 57 | 21 26 | 0 42 | 1 37 | 2 2 | 34 23 | 15 45 | 22 29 | 22 33 | 7 55 | | | n.a. |
| T 15 | 2 19 | 15 45 | 4 2 | 1 24 | 0 5 | 9 16 | 1 37 | 8 45 | 0 16 | 24 22 | 0 42 | 24 48 | 0 57 | 21 26 | 0 42 | 1 38 | 2 2 | 34 23 | 15 45 | 22 30 | 22 34 | 7 57 | | | n.a. |
| F 16 | 2 44 | 18 48 | 3 19 | 2 8 | 0s 2 | 8 47 | 1 37 | 9 3 | 0 17 | 24 22 | 0 42 | 24 48 | 0 57 | 21 25 | 0 42 | 1 38 | 2 2 | 34 23 | 15 46 | 22 31 | 22 34 | 8 0 | | | n.a. |
| S 17 | 3 8 | 21 5 | 2 28 | 2 53 | 0 8 | 8 17 | 1 37 | 9 21 | 0 17 | 24 22 | 0 43 | 24 48 | 0 57 | 21 25 | 0 42 | 1 39 | 2 2 | 34 24 | 15 46 | 22 31 | 22 35 | 8 2 | | | n.a. |
| S 18 | 3 33 | 22 26 | 1 29 | 3 37 | 0 14 | 7 48 | 1 37 | 9 39 | 0 18 | 24 22 | 0 43 | 24 48 | 0 57 | 21 25 | 0 42 | 1 40 | 2 2 | 34 24 | 15 47 | 22 32 | 22 35 | 8 5 | | | n.a. |
| M19 | 3 57 | 22 42 | 0 24 | 4 20 | 0 21 | 7 18 | 1 37 | 9 57 | 0 19 | 24 22 | 0 43 | 24 48 | 0 57 | 21 24 | 0 42 | 1 41 | 2 2 | 34 24 | 15 47 | 22 32 | 22 36 | 8 7 | | | n.a. |
| T 20 | 4 22 | 21 49 | 0s44 | 5 4 | 0 27 | 6 48 | 1 37 | 10 15 | 0 19 | 24 22 | 0 43 | 24 48 | 0 56 | 21 24 | 0 42 | 1 42 | 2 2 | 34 24 | 15 48 | 22 32 | 22 36 | 8 10 | | | n.a. |
| W21 | 4 46 | 19 41 | 1 52 | 5 47 | 0 33 | 6 17 | 1 36 | 10 32 | 0 20 | 24 22 | 0 44 | 24 48 | 0 56 | 21 24 | 0 42 | 1 43 | 2 2 | 34 24 | 15 48 | 22 32 | 22 36 | 8 12 | | | n.a. |
| T 22 | 5 10 | 16 22 | 2 55 | 6 30 | 0 40 | 5 47 | 1 36 | 10 50 | 0 21 | 24 22 | 0 44 | 24 48 | 0 56 | 21 23 | 0 42 | 1 44 | 2 2 | 34 24 | 15 49 | 22 32 | 22 37 | 8 15 | | | n.a. |
| F 23 | 5 35 | 11 59 | 3 50 | 7 13 | 0 46 | 5 16 | 1 35 | 11 7 | 0 21 | 24 22 | 0 44 | 24 48 | 0 56 | 21 23 | 0 42 | 1 45 | 2 2 | 34 24 | 15 50 | 22 33 | 22 37 | 8 17 | | | n.a. |
| S 24 | 5 59 | 6 46 | 4 32 | 7 55 | 0 52 | 4 45 | 1 35 | 11 25 | 0 22 | 24 22 | 0 44 | 24 48 | 0 56 | 21 23 | 0 42 | 1 46 | 2 2 | 34 25 | 15 50 | 22 35 | 22 38 | 8 20 | | | n.a. |
| S 25 | 6 23 | 1 1 | 4 55 | 8 37 | 0 58 | 4 15 | 1 34 | 11 42 | 0 23 | 24 22 | 0 45 | 24 47 | 0 56 | 21 23 | 0 42 | 1 47 | 2 2 | 34 25 | 15 51 | 22 36 | 22 38 | 8 22 | | | n.a. |
| M26 | 6 47 | 4n51 | 4 59 | 9 19 | 1 3 | 3 43 | 1 34 | 11 59 | 0 23 | 24 22 | 0 45 | 24 47 | 0 56 | 21 22 | 0 42 | 1 47 | 2 2 | 34 25 | 15 51 | 22 38 | 22 39 | 8 25 | | | n.a. |
| T 27 | 7 11 | 10 26 | 4 40 | 10 0 | 1 9 | 3 12 | 1 33 | 12 16 | 0 24 | 24 22 | 0 45 | 24 47 | 0 56 | 21 22 | 0 42 | 1 48 | 2 2 | 34 25 | 15 52 | 22 39 | 22 39 | 8 27 | | | n.a. |
| W28 | 7 34 | 15 20 | 4 2 | 10 41 | 1 14 | 2 41 | 1 32 | 12 33 | 0 25 | 24 22 | 0 45 | 24 47 | 0 56 | 21 22 | 0 42 | 1 49 | 2 2 | 34 26 | 15 52 | 22 41 | 22 40 | 8 30 | | | n.a. |
| T 29 | 7 58 | 19 9 | 3 9 | 11 22 | 1 20 | 2 10 | 1 31 | 12 50 | 0 25 | 24 22 | 0 46 | 24 47 | 0 56 | 21 21 | 0 42 | 1 50 | 2 2 | 34 26 | 15 53 | 22 42 | 22 40 | 8 32 | | | n.a. |
| F 30 | 8 22 | 21 41 | 2 5 | 12 1 | 1 25 | 1 38 | 1 30 | 13 7 | 0 26 | 24 22 | 0 46 | 24 47 | 0 56 | 21 21 | 0 42 | 1 51 | 2 2 | 34 26 | 15 53 | 22 42 | 22 40 | 8 35 | | | n.a. |
| S 31 | 8s45 | 22n48 | 0s55 | 12s41 | 1s30 | 1n 7 | 1n29 | 13s24 | 0s27 | 24n22 | 0n46 | 24s47 | 0s56 | 21n21 | 0n42 | 1s52 | 2n 2 | 34n26 | 15n54 | 22n42 | 22n41 | 8s37 | | | n.a. |

Julian Day Number = 997040.5, Delta T = 12h55m40s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'59, Lahiri = -31°17'59 Julian Calendar 1 Oct. 1984 BCE == Greg. Calendar 14 Sept. 1984 BCE

The year -1983 astronomical counting style corresponds to year 1984 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## NOVEMBER 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 33 56 | 23♎ 3'12 | 20♋51 | 0♏26 | 1♎52 | 4♏25 | 9♋ 5 | 4♑43 | 29♋33 | 9♎15 | 6♌ 6 | 17°R51 | 17♋58 | 4♏34 | n.a. | S 1 |
| M 2 | 1 37 53 | 24° 4'29 | 3♌55 | 2° 1 | 3° 7 | 5°12 | 9° 7 | 4°47 | 29°34 | 9°17 | 6° 7 | 17♋50 | 17°55 | 4°40 | n.a. | M 2 |
| T 3 | 1 41 49 | 25° 5'48 | 16°38 | 3°36 | 4°22 | 5°58 | 9° 9 | 4°51 | 29°35 | 9°20 | 6° 8 | 17°49 | 17°52 | 4°47 | n.a. | T 3 |
| W 4 | 1 45 46 | 26° 7'06 | 29° 6 | 5°11 | 5°38 | 6°44 | 9°10 | 4°55 | 29°36 | 9°22 | 6° 8 | 17°45 | 17°49 | 4°54 | n.a. | W 4 |
| T 5 | 1 49 42 | 27° 8'26 | 11♍21 | 6°46 | 6°53 | 7°31 | 9°12 | 4°59 | 29°37 | 9°24 | 6° 9 | 17°38 | 17°46 | 5° 0 | n.a. | T 5 |
| F 6 | 1 53 39 | 28° 9'46 | 23°28 | 8°21 | 8° 9 | 8°17 | 9°13 | 5° 4 | 29°38 | 9°26 | 6°10 | 17°28 | 17°42 | 5° 7 | n.a. | F 6 |
| S 7 | 1 57 36 | 29°11'06 | 5♎29 | 9°57 | 9°24 | 9° 4 | 9°14 | 5° 8 | 29°39 | 9°28 | 6°10 | 17°16 | 17°39 | 5°14 | n.a. | S 7 |
| S 8 | 2 1 32 | 0♏12'27 | 17°25 | 11°32 | 10°39 | 9°50 | 9°14 | 5°12 | 29°40 | 9°31 | 6°11 | 17° 1 | 17°36 | 5°21 | n.a. | S 8 |
| M 9 | 2 5 29 | 1°13'47 | 29°18 | 13° 7 | 11°55 | 10°37 | 9°15 | 5°17 | 29°41 | 9°33 | 6°11 | 16°46 | 17°33 | 5°27 | n.a. | M 9 |
| T 10 | 2 9 25 | 2°15'09 | 11♏10 | 14°42 | 13°10 | 11°24 | 9°15 | 5°21 | 29°41 | 9°35 | 6°12 | 16°32 | 17°30 | 5°34 | n.a. | T 10 |
| W11 | 2 13 22 | 3°16'30 | 23° 1 | 16°17 | 14°26 | 12°10 | 9°R15 | 5°26 | 29°42 | 9°37 | 6°13 | 16°20 | 17°27 | 5°41 | n.a. | W11 |
| T 12 | 2 17 18 | 4°17'51 | 4♐54 | 17°52 | 15°41 | 12°57 | 9°15 | 5°31 | 29°42 | 9°39 | 6°13 | 16°10 | 17°23 | 5°48 | n.a. | T 12 |
| F 13 | 2 21 15 | 5°19'12 | 16°50 | 19°26 | 16°57 | 13°44 | 9°15 | 5°36 | 29°43 | 9°41 | 6°13 | 16° 3 | 17°20 | 5°54 | n.a. | F 13 |
| S 14 | 2 25 11 | 6°20'33 | 28°52 | 21° 0 | 18°12 | 14°30 | 9°15 | 5°41 | 29°43 | 9°43 | 6°14 | 15°59 | 17°17 | 6° 1 | n.a. | S 14 |
| S 15 | 2 29 8 | 7°21'54 | 11♑ 4 | 22°33 | 19°27 | 15°17 | 9°14 | 5°46 | 29°44 | 9°45 | 6°14 | 15°D58 | 17°14 | 6° 8 | n.a. | S 15 |
| M16 | 2 33 5 | 8°23'14 | 23°30 | 24° 5 | 20°43 | 16° 4 | 9°13 | 5°51 | 29°44 | 9°47 | 6°15 | 15°58 | 17°11 | 6°14 | n.a. | M16 |
| T 17 | 2 37 1 | 9°24'34 | 6♒15 | 25°37 | 21°58 | 16°51 | 9°12 | 5°56 | 29°44 | 9°49 | 6°15 | 15°R58 | 17° 7 | 6°21 | n.a. | T 17 |
| W18 | 2 40 58 | 10°25'54 | 19°24 | 27° 7 | 23°14 | 17°38 | 9°11 | 6° 1 | 29°44 | 9°51 | 6°15 | 15°58 | 17° 4 | 6°28 | n.a. | W18 |
| T 19 | 2 44 54 | 11°27'13 | 2♓59 | 28°36 | 24°29 | 18°25 | 9° 9 | 6° 6 | 29°45 | 9°53 | 6°15 | 15°56 | 17° 1 | 6°35 | n.a. | T 19 |
| F 20 | 2 48 51 | 12°28'31 | 17° 4 | 0♐ 2 | 25°44 | 19°12 | 9° 8 | 6°12 | 29°45 | 9°55 | 6°16 | 15°51 | 16°58 | 6°41 | n.a. | F 20 |
| S 21 | 2 52 47 | 13°29'49 | 1♈38 | 1°27 | 27° 0 | 19°59 | 9° 6 | 6°17 | 29°R45 | 9°57 | 6°16 | 15°44 | 16°55 | 6°48 | n.a. | S 21 |
| S 22 | 2 56 44 | 14°31'06 | 16°36 | 2°49 | 28°15 | 20°45 | 9° 4 | 6°22 | 29°45 | 9°59 | 6°16 | 15°36 | 16°52 | 6°55 | n.a. | S 22 |
| M23 | 3 0 41 | 15°32'23 | 1♉51 | 4° 8 | 29°30 | 21°32 | 9° 2 | 6°28 | 29°45 | 10° 1 | 6°16 | 15°26 | 16°48 | 7° 1 | n.a. | M23 |
| T 24 | 3 4 37 | 16°33'39 | 17°12 | 5°23 | 0♏46 | 22°19 | 8°59 | 6°34 | 29°45 | 10° 3 | 6°16 | 15°17 | 16°45 | 7° 8 | n.a. | T 24 |
| W25 | 3 8 34 | 17°34'55 | 2♊28 | 6°34 | 2° 1 | 23° 7 | 8°57 | 6°39 | 29°44 | 10° 5 | 6°R16 | 15° 9 | 16°42 | 7°15 | n.a. | W25 |
| T 26 | 3 12 30 | 18°36'10 | 17°27 | 7°40 | 3°17 | 23°54 | 8°54 | 6°45 | 29°44 | 10° 7 | 6°16 | 15° 3 | 16°39 | 7°22 | n.a. | T 26 |
| F 27 | 3 16 27 | 19°37'25 | 2♋ 3 | 8°40 | 4°32 | 24°41 | 8°51 | 6°51 | 29°44 | 10° 9 | 6°16 | 15° 1 | 16°36 | 7°28 | n.a. | F 27 |
| S 28 | 3 20 23 | 20°38'40 | 16°11 | 9°33 | 5°47 | 25°28 | 8°48 | 6°57 | 29°43 | 10°11 | 6°16 | 15°D 0 | 16°33 | 7°35 | n.a. | S 28 |
| S 29 | 3 24 20 | 21°39'54 | 29°49 | 10°19 | 7° 3 | 26°15 | 8°44 | 7° 3 | 29°43 | 10°12 | 6°16 | 15° 0 | 16°29 | 7°42 | n.a. | S 29 |
| M30 | 3 28 17 | 22♏41'08 | 13♌ 0 | 10♐57 | 8♏18 | 27♏ 2 | 8♋41 | 7♑ 9 | 29♋43 | 10♎14 | 6♌16 | 15♋ 2 | 16♋26 | 7♏48 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s 8 | 22n32 | 0n16 | 13s19 | 1s35 | 0n35 | 1n28 | 13s41 | 0s27 | 24n22 | 0n46 | 24s46 | 0s56 | 21n21 | 0n43 | 1s53 | 2n 2 | 34n27 | 15n54 | 22n42 | 22n41 | 8s40 | | n.a. |
| M 2 | 9 31 | 21 1 | 1 24 | 13 58 | 1 39 | 0 4 | 1 27 | 13 57 | 0 28 | 24 23 | 0 47 | 24 46 | 0 56 | 21 21 | 0 43 | 1 54 | 2 2 | 34 27 | 15 55 | 22 42 | 22 42 | 8 42 | | n.a. |
| T 3 | 9 54 | 18 29 | 2 26 | 14 35 | 1 43 | 0s28 | 1 25 | 14 13 | 0 28 | 24 23 | 0 47 | 24 46 | 0 56 | 21 20 | 0 43 | 1 55 | 2 2 | 34 27 | 15 55 | 22 43 | 22 42 | 8 45 | | n.a. |
| W 4 | 10 17 | 15 7 | 3 19 | 15 12 | 1 47 | 1 0 | 1 24 | 14 30 | 0 29 | 24 23 | 0 47 | 24 46 | 0 56 | 21 20 | 0 43 | 1 55 | 2 2 | 34 28 | 15 56 | 22 43 | 22 43 | 8 47 | | n.a. |
| T 5 | 10 40 | 11 10 | 4 3 | 15 48 | 1 51 | 1 31 | 1 23 | 14 46 | 0 30 | 24 23 | 0 47 | 24 46 | 0 56 | 21 20 | 0 43 | 1 56 | 2 2 | 34 28 | 15 57 | 22 44 | 22 43 | 8 50 | | n.a. |
| F 6 | 11 2 | 6 50 | 4 34 | 16 23 | 1 55 | 2 3 | 1 21 | 15 2 | 0 30 | 24 23 | 0 48 | 24 46 | 0 56 | 21 20 | 0 43 | 1 57 | 2 2 | 34 28 | 15 57 | 22 45 | 22 43 | 8 52 | | n.a. |
| S 7 | 11 24 | 2 16 | 4 54 | 16 57 | 1 58 | 2 35 | 1 20 | 15 18 | 0 31 | 24 23 | 0 48 | 24 45 | 0 56 | 21 20 | 0 43 | 1 58 | 2 2 | 34 29 | 15 58 | 22 47 | 22 44 | 8 55 | | n.a. |
| S 8 | 11 46 | 2s22 | 5 0 | 17 30 | 2 1 | 3 6 | 1 19 | 15 33 | 0 32 | 24 24 | 0 48 | 24 45 | 0 56 | 21 20 | 0 43 | 1 59 | 2 2 | 34 29 | 15 58 | 22 49 | 22 44 | 8 57 | | n.a. |
| M 9 | 12 8 | 6 53 | 4 53 | 18 3 | 2 3 | 3 38 | 1 17 | 15 49 | 0 32 | 24 24 | 0 49 | 24 45 | 0 56 | 21 20 | 0 43 | 2 0 | 2 2 | 34 29 | 15 59 | 22 51 | 22 45 | 9 0 | | n.a. |
| T 10 | 12 30 | 11 9 | 4 33 | 18 34 | 2 5 | 4 9 | 1 15 | 16 4 | 0 33 | 24 24 | 0 49 | 24 45 | 0 56 | 21 20 | 0 43 | 2 0 | 2 2 | 34 30 | 15 59 | 22 52 | 22 45 | 9 2 | | n.a. |
| W11 | 12 51 | 15 0 | 4 2 | 19 4 | 2 7 | 4 40 | 1 14 | 16 20 | 0 33 | 24 24 | 0 49 | 24 45 | 0 56 | 21 19 | 0 43 | 2 1 | 2 2 | 34 30 | 16 0 | 22 54 | 22 45 | 9 5 | | n.a. |
| T 12 | 13 12 | 18 16 | 3 19 | 19 33 | 2 8 | 5 11 | 1 12 | 16 35 | 0 34 | 24 25 | 0 49 | 24 44 | 0 56 | 21 19 | 0 43 | 2 2 | 2 2 | 34 31 | 16 0 | 22 55 | 22 46 | 9 7 | | n.a. |
| F 13 | 13 33 | 20 48 | 2 28 | 20 0 | 2 9 | 5 43 | 1 10 | 16 50 | 0 35 | 24 25 | 0 50 | 24 44 | 0 56 | 21 19 | 0 43 | 2 3 | 2 2 | 34 31 | 16 1 | 22 56 | 22 46 | 9 10 | | n.a. |
| S 14 | 13 54 | 22 25 | 1 30 | 20 27 | 2 9 | 6 13 | 1 8 | 17 4 | 0 35 | 24 25 | 0 50 | 24 44 | 0 56 | 21 19 | 0 43 | 2 4 | 2 2 | 34 31 | 16 2 | 22 57 | 22 47 | 9 12 | | n.a. |
| S 15 | 14 15 | 23 1 | 0 26 | 20 51 | 2 9 | 6 44 | 1 7 | 17 19 | 0 36 | 24 26 | 0 50 | 24 44 | 0 56 | 21 19 | 0 43 | 2 5 | 2 2 | 34 32 | 16 2 | 22 57 | 22 47 | 9 15 | | n.a. |
| M16 | 14 35 | 22 29 | 0s40 | 21 14 | 2 8 | 7 15 | 1 5 | 17 34 | 0 36 | 24 26 | 0 50 | 24 44 | 0 56 | 21 19 | 0 43 | 2 5 | 2 2 | 34 32 | 16 3 | 22 57 | 22 48 | 9 17 | | n.a. |
| T 17 | 14 55 | 20 48 | 1 46 | 21 36 | 2 7 | 7 45 | 1 3 | 17 48 | 0 37 | 24 26 | 0 51 | 24 43 | 0 56 | 21 19 | 0 43 | 2 6 | 2 2 | 34 33 | 16 3 | 22 57 | 22 48 | 9 20 | | n.a. |
| W18 | 15 15 | 17 57 | 2 48 | 21 56 | 2 5 | 8 16 | 1 1 | 18 2 | 0 38 | 24 27 | 0 51 | 24 43 | 0 56 | 21 19 | 0 43 | 2 7 | 2 2 | 34 33 | 16 4 | 22 57 | 22 48 | 9 22 | | n.a. |
| T 19 | 15 34 | 14 4 | 3 43 | 22 13 | 2 2 | 8 46 | 0 59 | 18 16 | 0 38 | 24 27 | 0 51 | 24 43 | 0 56 | 21 19 | 0 43 | 2 8 | 2 2 | 34 34 | 16 4 | 22 57 | 22 49 | 9 25 | | n.a. |
| F 20 | 15 53 | 9 17 | 4 27 | 22 29 | 1 58 | 9 16 | 0 57 | 18 30 | 0 39 | 24 27 | 0 51 | 24 43 | 0 56 | 21 19 | 0 43 | 2 8 | 2 2 | 34 34 | 16 5 | 22 58 | 22 49 | 9 27 | | n.a. |
| S 21 | 16 12 | 3 50 | 4 55 | 22 43 | 1 54 | 9 46 | 0 55 | 18 43 | 0 39 | 24 28 | 0 52 | 24 42 | 0 56 | 21 19 | 0 43 | 2 9 | 2 2 | 34 35 | 16 6 | 22 58 | 22 50 | 9 29 | | n.a. |
| S 22 | 16 31 | 1n59 | 5 4 | 22 55 | 1 48 | 10 15 | 0 53 | 18 57 | 0 40 | 24 28 | 0 52 | 24 42 | 0 56 | 21 19 | 0 43 | 2 10 | 2 2 | 34 35 | 16 6 | 22 59 | 22 50 | 9 32 | | n.a. |
| M23 | 16 49 | 7 48 | 4 52 | 23 4 | 1 42 | 10 44 | 0 50 | 19 10 | 0 40 | 24 29 | 0 52 | 24 42 | 0 56 | 21 19 | 0 44 | 2 11 | 2 2 | 34 36 | 16 7 | 23 1 | 22 50 | 9 34 | | n.a. |
| T 24 | 17 7 | 13 11 | 4 19 | 23 11 | 1 34 | 11 13 | 0 48 | 19 23 | 0 41 | 24 29 | 0 53 | 24 42 | 0 56 | 21 19 | 0 44 | 2 11 | 2 2 | 34 36 | 16 7 | 23 2 | 22 51 | 9 37 | | n.a. |
| W25 | 17 25 | 17 41 | 3 27 | 23 15 | 1 26 | 11 42 | 0 46 | 19 35 | 0 41 | 24 29 | 0 53 | 24 41 | 0 56 | 21 19 | 0 44 | 2 12 | 2 2 | 34 37 | 16 8 | 23 2 | 22 51 | 9 39 | | n.a. |
| T 26 | 17 42 | 20 58 | 2 22 | 23 17 | 1 17 | 12 10 | 0 44 | 19 48 | 0 42 | 24 30 | 0 53 | 24 41 | 0 56 | 21 20 | 0 44 | 2 13 | 2 2 | 34 37 | 16 8 | 23 3 | 22 52 | 9 42 | | n.a. |
| F 27 | 18 0 | 22 45 | 1 9 | 23 16 | 1 6 | 12 38 | 0 42 | 20 0 | 0 43 | 24 30 | 0 53 | 24 41 | 0 56 | 21 20 | 0 44 | 2 14 | 2 2 | 34 38 | 16 9 | 23 3 | 22 52 | 9 44 | | n.a. |
| S 28 | 18 16 | 23 1 | 0n 6 | 23 13 | 0 54 | 13 6 | 0 39 | 20 13 | 0 43 | 24 31 | 0 54 | 24 40 | 0 56 | 21 20 | 0 44 | 2 14 | 2 2 | 34 38 | 16 10 | 23 4 | 22 52 | 9 47 | | n.a. |
| S 29 | 18 33 | 21 53 | 1 19 | 23 7 | 0 41 | 13 33 | 0 37 | 20 25 | 0 44 | 24 31 | 0 54 | 24 40 | 0 56 | 21 20 | 0 44 | 2 15 | 2 3 | 34 39 | 16 10 | 23 3 | 22 53 | 9 49 | | n.a. |
| M30 | 18s49 | 19n33 | 2n25 | 22s59 | 0s27 | 14s 1 | 0n35 | 20s36 | 0s44 | 24n32 | 0n54 | 24s40 | 0s56 | 21n20 | 0n44 | 2s16 | 2n 3 | 34n40 | 16n11 | 23n 3 | 22n53 | 9s52 | | n.a. |

Julian Day Number = 997071.5, Delta T = 12h55m38s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'55, Lahiri = -31°17'55 Julian Calendar 1 Nov. 1984 BCE == Greg. Calendar 15 Oct. 1984 BCE


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# ASTRODIENST EPHEMERIS for the year 1984 BCE
# geocentric

## DECEMBER 1984 BCE (-1983) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 32 13 | 23♏42'22 | 25♌47 | 11♐25 | 9♏33 | 27♏49 | 8°R37 | 7♑15 | 29°R42 | 10♎16 | 6°R15 | 15°R 2 | 16♋23 | 7♏55 | n.a. | T 1 |
| W 2 | 3 36 10 | 24°43'35 | 8♍15 | 11°44 | 10°48 | 28°36 | 8♋33 | 7°21 | 29♋41 | 10°18 | 6♌15 | 15♋ 1 | 16°20 | 8° 2 | n.a. | W 2 |
| T 3 | 3 40 6 | 25°44'47 | 20°27 | 11°R51 | 12° 4 | 29°23 | 8°29 | 7°27 | 29°41 | 10°20 | 6°15 | 14°58 | 16°17 | 8° 9 | n.a. | T 3 |
| F 4 | 3 44 3 | 26°45'59 | 2♎29 | 11°48 | 13°19 | 0♐11 | 8°25 | 7°33 | 29°40 | 10°21 | 6°15 | 14°52 | 16°13 | 8°15 | n.a. | F 4 |
| S 5 | 3 47 59 | 27°47'10 | 14°25 | 11°32 | 14°34 | 0°58 | 8°21 | 7°39 | 29°39 | 10°23 | 6°14 | 14°45 | 16°10 | 8°22 | n.a. | S 5 |
| S 6 | 3 51 56 | 28°48'21 | 26°16 | 11° 5 | 15°50 | 1°45 | 8°16 | 7°46 | 29°39 | 10°25 | 6°14 | 14°36 | 16° 7 | 8°29 | n.a. | S 6 |
| M 7 | 3 55 52 | 29°49'30 | 8♏ 7 | 10°27 | 17° 5 | 2°32 | 8°11 | 7°52 | 29°38 | 10°26 | 6°14 | 14°26 | 16° 4 | 8°35 | n.a. | M 7 |
| T 8 | 3 59 49 | 0♐50'39 | 19°59 | 9°38 | 18°20 | 3°20 | 8° 7 | 7°59 | 29°37 | 10°28 | 6°13 | 14°17 | 16° 1 | 8°42 | n.a. | T 8 |
| W 9 | 4 3 46 | 1°51'47 | 1♐54 | 8°40 | 19°35 | 4° 7 | 8° 1 | 8° 5 | 29°36 | 10°29 | 6°13 | 14°10 | 15°58 | 8°49 | n.a. | W 9 |
| T 10 | 4 7 42 | 2°52'54 | 13°53 | 7°35 | 20°51 | 4°54 | 7°56 | 8°12 | 29°35 | 10°31 | 6°12 | 14° 4 | 15°54 | 8°56 | n.a. | T 10 |
| F 11 | 4 11 39 | 3°54'00 | 25°58 | 6°24 | 22° 6 | 5°41 | 7°51 | 8°18 | 29°34 | 10°33 | 6°12 | 14° 0 | 15°51 | 9° 2 | n.a. | F 11 |
| S 12 | 4 15 35 | 4°55'05 | 8♑10 | 5° 9 | 23°21 | 6°29 | 7°45 | 8°25 | 29°33 | 10°34 | 6°11 | 13°D58 | 15°48 | 9° 9 | n.a. | S 12 |
| S 13 | 4 19 32 | 5°56'08 | 20°32 | 3°53 | 24°36 | 7°16 | 7°40 | 8°31 | 29°32 | 10°36 | 6°11 | 13°58 | 15°45 | 9°16 | n.a. | S 13 |
| M14 | 4 23 28 | 6°57'10 | 3♒ 6 | 2°39 | 25°51 | 8° 3 | 7°34 | 8°38 | 29°30 | 10°37 | 6°10 | 13°59 | 15°42 | 9°22 | n.a. | M14 |
| T 15 | 4 27 25 | 7°58'10 | 15°56 | 1°27 | 27° 7 | 8°51 | 7°28 | 8°45 | 29°29 | 10°39 | 6° 9 | 14° 1 | 15°39 | 9°29 | n.a. | T 15 |
| W16 | 4 31 22 | 8°59'09 | 29° 4 | 0°20 | 28°22 | 9°38 | 7°22 | 8°52 | 29°28 | 10°40 | 6° 9 | 14° 2 | 15°35 | 9°36 | n.a. | W16 |
| T 17 | 4 35 18 | 10° 0'07 | 12♓34 | 29♏20 | 29°37 | 10°25 | 7°16 | 8°58 | 29°26 | 10°41 | 6° 8 | 14°R 3 | 15°32 | 9°43 | n.a. | T 17 |
| F 18 | 4 39 15 | 11° 1'02 | 26°27 | 28°27 | 0♐52 | 11°13 | 7° 9 | 9° 5 | 29°25 | 10°43 | 6° 7 | 14° 2 | 15°29 | 9°49 | n.a. | F 18 |
| S 19 | 4 43 11 | 12° 1'56 | 10♈43 | 27°42 | 2° 7 | 12° 0 | 7° 3 | 9°12 | 29°24 | 10°44 | 6° 6 | 13°59 | 15°26 | 9°56 | n.a. | S 19 |
| S 20 | 4 47 8 | 13° 2'48 | 25°20 | 27° 5 | 3°22 | 12°47 | 6°56 | 9°19 | 29°22 | 10°45 | 6° 6 | 13°55 | 15°23 | 10° 3 | n.a. | S 20 |
| M21 | 4 51 4 | 14° 3'39 | 10♉15 | 26°37 | 4°37 | 13°35 | 6°49 | 9°26 | 29°21 | 10°47 | 6° 5 | 13°51 | 15°19 | 10° 9 | n.a. | M21 |
| T 22 | 4 55 1 | 15° 4'28 | 25°18 | 26°18 | 5°52 | 14°22 | 6°43 | 9°33 | 29°19 | 10°48 | 6° 4 | 13°47 | 15°16 | 10°16 | n.a. | T 22 |
| W23 | 4 58 57 | 16° 5'15 | 10♊21 | 26° 6 | 7° 7 | 15° 9 | 6°36 | 9°40 | 29°17 | 10°49 | 6° 3 | 13°43 | 15°13 | 10°23 | n.a. | W23 |
| T 24 | 5 2 54 | 17° 6'01 | 25°16 | 26°D 2 | 8°22 | 15°57 | 6°29 | 9°47 | 29°16 | 10°50 | 6° 2 | 13°41 | 15°10 | 10°30 | n.a. | T 24 |
| F 25 | 5 6 51 | 18° 6'46 | 9♋52 | 26° 6 | 9°37 | 16°44 | 6°22 | 9°54 | 29°14 | 10°51 | 6° 1 | 13°D40 | 15° 7 | 10°36 | n.a. | F 25 |
| S 26 | 5 10 47 | 19° 7'29 | 24° 6 | 26°17 | 10°52 | 17°31 | 6°14 | 10° 1 | 29°12 | 10°52 | 6° 0 | 13°40 | 15° 4 | 10°43 | n.a. | S 26 |
| S 27 | 5 14 44 | 20° 8'10 | 7♌53 | 26°34 | 12° 7 | 18°18 | 6° 7 | 10° 9 | 29°10 | 10°54 | 5°59 | 13°41 | 15° 0 | 10°50 | n.a. | S 27 |
| M28 | 5 18 40 | 21° 8'51 | 21°14 | 26°57 | 13°22 | 19° 6 | 6° 0 | 10°16 | 29° 9 | 10°55 | 5°58 | 13°43 | 14°57 | 10°56 | n.a. | M28 |
| T 29 | 5 22 37 | 22° 9'29 | 4♍ 9 | 27°26 | 14°37 | 19°53 | 5°52 | 10°23 | 29° 7 | 10°56 | 5°57 | 13°44 | 14°54 | 11° 3 | n.a. | T 29 |
| W30 | 5 26 33 | 23°10'06 | 16°43 | 27°59 | 15°52 | 20°40 | 5°45 | 10°30 | 29° 5 | 10°57 | 5°56 | 13°45 | 14°51 | 11°10 | n.a. | W30 |
| T 31 | 5 30 30 | 24♐10'42 | 28♍59 | 28♏38 | 17♐ 7 | 21♐28 | 5♋37 | 10♑37 | 29♋ 3 | 10♎58 | 5♌55 | 13°R45 | 14♋48 | 11♏16 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 19s 5 | 16n19 | 3n21 | 22s47 | 0s11 | 14s27 | 0n32 | 20s48 | 0s45 | 24n32 | 0n54 | 24s39 | 0s56 | 21n20 | 0n44 | 2s16 | 2n 3 | 34n40 | 16n11 | 23n 3 | 22n54 | 9s54 | | n.a. |
| W 2 | 19 20 | 12 26 | 4 7 | 22 33 | 0n 5 | 14 54 | 0 30 | 20 59 | 0 45 | 24 33 | 0 55 | 24 39 | 0 56 | 21 20 | 0 44 | 2 17 | 2 3 | 34 41 | 16 12 | 23 3 | 22 54 | 9 57 | | n.a. |
| T 3 | 19 35 | 8 8 | 4 40 | 22 17 | 0 23 | 15 20 | 0 28 | 21 10 | 0 46 | 24 33 | 0 55 | 24 39 | 0 56 | 21 21 | 0 44 | 2 18 | 2 3 | 34 41 | 16 12 | 23 4 | 22 54 | 9 59 | | n.a. |
| F 4 | 19 50 | 3 34 | 5 0 | 21 58 | 0 41 | 15 45 | 0 25 | 21 21 | 0 46 | 24 34 | 0 55 | 24 38 | 0 56 | 21 21 | 0 44 | 2 18 | 2 3 | 34 42 | 16 13 | 23 4 | 22 55 | 10 2 | | n.a. |
| S 5 | 20 4 | 1s 5 | 5 7 | 21 37 | 1 0 | 16 10 | 0 23 | 21 32 | 0 47 | 24 35 | 0 55 | 24 38 | 0 56 | 21 21 | 0 44 | 2 19 | 2 3 | 34 43 | 16 13 | 23 5 | 22 55 | 10 4 | | n.a. |
| S 6 | 20 18 | 5 40 | 5 1 | 21 14 | 1 20 | 16 35 | 0 20 | 21 42 | 0 47 | 24 35 | 0 56 | 24 38 | 0 56 | 21 21 | 0 44 | 2 19 | 2 3 | 34 43 | 16 14 | 23 6 | 22 56 | 10 7 | | n.a. |
| M 7 | 20 31 | 10 3 | 4 42 | 20 50 | 1 39 | 16 59 | 0 18 | 21 52 | 0 48 | 24 36 | 0 56 | 24 37 | 0 56 | 21 21 | 0 44 | 2 20 | 2 3 | 34 44 | 16 15 | 23 7 | 22 56 | 10 9 | | n.a. |
| T 8 | 20 44 | 14 5 | 4 10 | 20 24 | 1 58 | 17 23 | 0 16 | 22 2 | 0 48 | 24 36 | 0 56 | 24 37 | 0 56 | 21 22 | 0 44 | 2 21 | 2 3 | 34 44 | 16 15 | 23 8 | 22 56 | 10 12 | | n.a. |
| W 9 | 20 57 | 17 34 | 3 28 | 19 57 | 2 16 | 17 46 | 0 13 | 22 12 | 0 49 | 24 37 | 0 56 | 24 37 | 0 56 | 21 22 | 0 44 | 2 21 | 2 3 | 34 45 | 16 16 | 23 9 | 22 57 | 10 14 | | n.a. |
| T 10 | 21 9 | 20 21 | 2 36 | 19 29 | 2 33 | 18 9 | 0 11 | 22 21 | 0 49 | 24 37 | 0 57 | 24 36 | 0 57 | 21 22 | 0 44 | 2 22 | 2 3 | 34 46 | 16 16 | 23 10 | 22 57 | 10 17 | | n.a. |
| F 11 | 21 21 | 22 15 | 1 36 | 19 2 | 2 49 | 18 32 | 0 8 | 22 30 | 0 50 | 24 38 | 0 57 | 24 36 | 0 57 | 21 22 | 0 44 | 2 22 | 2 3 | 34 46 | 16 17 | 23 10 | 22 58 | 10 19 | | n.a. |
| S 12 | 21 33 | 23 8 | 0 32 | 18 36 | 3 3 | 18 53 | 0 6 | 22 39 | 0 50 | 24 38 | 0 57 | 24 35 | 0 57 | 21 23 | 0 44 | 2 23 | 2 3 | 34 47 | 16 17 | 23 10 | 22 58 | 10 22 | | n.a. |
| S 13 | 21 44 | 22 54 | 0s36 | 18 10 | 3 14 | 19 15 | 0 3 | 22 48 | 0 51 | 24 39 | 0 57 | 24 35 | 0 57 | 21 23 | 0 44 | 2 24 | 2 3 | 34 48 | 16 18 | 23 10 | 22 58 | 10 24 | | n.a. |
| M14 | 21 54 | 21 31 | 1 42 | 17 47 | 3 23 | 19 36 | 0 1 | 22 56 | 0 51 | 24 40 | 0 58 | 24 35 | 0 57 | 21 23 | 0 44 | 2 24 | 2 3 | 34 48 | 16 18 | 23 10 | 22 59 | 10 26 | | n.a. |
| T 15 | 22 5 | 19 0 | 2 45 | 17 26 | 3 30 | 19 56 | 0s 1 | 23 4 | 0 51 | 24 40 | 0 58 | 24 34 | 0 57 | 21 24 | 0 44 | 2 25 | 2 3 | 34 49 | 16 19 | 23 10 | 22 59 | 10 29 | | n.a. |
| W16 | 22 14 | 15 28 | 3 41 | 17 8 | 3 35 | 20 15 | 0 4 | 23 12 | 0 52 | 24 41 | 0 58 | 24 34 | 0 57 | 21 24 | 0 45 | 2 25 | 2 3 | 34 50 | 16 19 | 23 10 | 22 59 | 10 31 | | n.a. |
| T 17 | 22 24 | 11 4 | 4 27 | 16 53 | 3 37 | 20 35 | 0 6 | 23 19 | 0 52 | 24 41 | 0 58 | 24 33 | 0 57 | 21 24 | 0 45 | 2 26 | 2 3 | 34 50 | 16 20 | 23 10 | 23 0 | 10 34 | | n.a. |
| F 18 | 22 33 | 5 59 | 4 58 | 16 42 | 3 37 | 20 53 | 0 9 | 23 27 | 0 53 | 24 42 | 0 59 | 24 33 | 0 57 | 21 25 | 0 45 | 2 26 | 2 3 | 34 51 | 16 20 | 23 10 | 23 0 | 10 36 | | n.a. |
| S 19 | 22 41 | 0 27 | 5 12 | 16 33 | 3 35 | 21 11 | 0 11 | 23 34 | 0 53 | 24 42 | 0 59 | 24 32 | 0 57 | 21 25 | 0 45 | 2 27 | 2 4 | 34 52 | 16 21 | 23 10 | 23 1 | 10 39 | | n.a. |
| S 20 | 22 49 | 5n15 | 5 6 | 16 28 | 3 32 | 21 28 | 0 13 | 23 41 | 0 54 | 24 43 | 0 59 | 24 32 | 0 57 | 21 25 | 0 45 | 2 27 | 2 4 | 34 52 | 16 21 | 23 11 | 23 1 | 10 41 | | n.a. |
| M21 | 22 57 | 10 45 | 4 40 | 16 27 | 3 27 | 21 45 | 0 16 | 23 47 | 0 54 | 24 44 | 0 59 | 24 31 | 0 57 | 21 26 | 0 45 | 2 27 | 2 4 | 34 53 | 16 22 | 23 11 | 23 1 | 10 44 | | n.a. |
| T 22 | 23 4 | 15 41 | 3 55 | 16 28 | 3 20 | 22 1 | 0 18 | 23 53 | 0 55 | 24 44 | 0 59 | 24 31 | 0 57 | 21 26 | 0 45 | 2 28 | 2 4 | 34 54 | 16 22 | 23 12 | 23 2 | 10 46 | | n.a. |
| W23 | 23 11 | 19 36 | 2 53 | 16 32 | 3 13 | 22 16 | 0 20 | 23 59 | 0 55 | 24 45 | 1 0 | 24 30 | 0 57 | 21 26 | 0 45 | 2 28 | 2 4 | 34 55 | 16 23 | 23 12 | 23 2 | 10 49 | | n.a. |
| T 24 | 23 17 | 22 11 | 1 39 | 16 39 | 3 5 | 22 31 | 0 23 | 24 5 | 0 55 | 24 45 | 1 0 | 24 30 | 0 57 | 21 27 | 0 45 | 2 29 | 2 4 | 34 55 | 16 23 | 23 12 | 23 2 | 10 51 | | n.a. |
| F 25 | 23 23 | 23 12 | 0 21 | 16 49 | 2 56 | 22 45 | 0 25 | 24 10 | 0 56 | 24 46 | 1 0 | 24 29 | 0 57 | 21 27 | 0 45 | 2 29 | 2 4 | 34 56 | 16 24 | 23 12 | 23 3 | 10 54 | | n.a. |
| S 26 | 23 28 | 22 40 | 0n57 | 17 0 | 2 47 | 22 58 | 0 27 | 24 15 | 0 56 | 24 46 | 1 0 | 24 29 | 0 57 | 21 28 | 0 45 | 2 30 | 2 4 | 34 57 | 16 24 | 23 12 | 23 3 | 10 56 | | n.a. |
| S 27 | 23 33 | 20 45 | 2 9 | 17 14 | 2 37 | 23 11 | 0 29 | 24 20 | 0 56 | 24 47 | 1 0 | 24 28 | 0 57 | 21 28 | 0 45 | 2 30 | 2 4 | 34 57 | 16 24 | 23 12 | 23 3 | 10 59 | | n.a. |
| M28 | 23 37 | 17 44 | 3 12 | 17 29 | 2 27 | 23 23 | 0 32 | 24 24 | 0 57 | 24 47 | 1 1 | 24 28 | 0 57 | 21 28 | 0 45 | 2 30 | 2 4 | 34 58 | 16 25 | 23 12 | 23 4 | 11 1 | | n.a. |
| T 29 | 23 41 | 13 57 | 4 3 | 17 46 | 2 17 | 23 34 | 0 34 | 24 29 | 0 57 | 24 48 | 1 1 | 24 27 | 0 57 | 21 29 | 0 45 | 2 31 | 2 4 | 34 59 | 16 25 | 23 12 | 23 4 | 11 3 | | n.a. |
| W30 | 23 44 | 9 39 | 4 41 | 18 3 | 2 7 | 23 45 | 0 36 | 24 33 | 0 58 | 24 49 | 1 1 | 24 27 | 0 57 | 21 29 | 0 45 | 2 31 | 2 4 | 34 59 | 16 26 | 23 12 | 23 5 | 11 6 | | n.a. |
| T 31 | 23s47 | 5n 4 | 5n 5 | 18s22 | 1n56 | 23s55 | 0s38 | 24s36 | 0s58 | 24n49 | 1n 1 | 24s26 | 0s57 | 21n30 | 0n45 | 2s31 | 2n 4 | 35n 0 | 16n26 | 23n12 | 23n 5 | 11s 8 | | n.a. |

Julian Day Number = 997101.5, Delta T = 12h55m36s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'51, Lahiri = -31°17'51 Julian Calendar 1 Dec. 1984 BCE == Greg. Calendar 14 Nov. 1984 BCE

The year -1983 astronomical counting style corresponds to year 1984 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## JANUARY 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 34 27 | 25♐11'16 | 11♎ 2 | 29♏20 | 18♐22 | 22♐15 | 5°R30 | 10♑45 | 29°R 1 | 10♎59 | 5°R54 | 13°R44 | 14♋45 | 11♏23 | n.a. | F 1 |
| S 2 | 5 38 23 | 26°11'49 | 22°57 | 0♐ 7 | 19°37 | 23° 2 | 5♋22 | 10°52 | 28♋59 | 10°59 | 5♌53 | 13♋43 | 14°41 | 11°30 | n.a. | S 2 |
| S 3 | 5 42 20 | 27°12'20 | 4♏48 | 0°57 | 20°52 | 23°50 | 5°14 | 10°59 | 28°57 | 11° 0 | 5°52 | 13°40 | 14°38 | 11°37 | n.a. | S 3 |
| M 4 | 5 46 16 | 28°12'50 | 16°38 | 1°50 | 22° 7 | 24°37 | 5° 6 | 11° 7 | 28°55 | 11° 1 | 5°50 | 13°38 | 14°35 | 11°43 | n.a. | M 4 |
| T 5 | 5 50 13 | 29°13'18 | 28°32 | 2°47 | 23°22 | 25°24 | 4°59 | 11°14 | 28°53 | 11° 2 | 5°49 | 13°35 | 14°32 | 11°50 | n.a. | T 5 |
| W 6 | 5 54 9 | 0♑13'45 | 10♐32 | 3°46 | 24°37 | 26°11 | 4°51 | 11°21 | 28°50 | 11° 3 | 5°48 | 13°33 | 14°29 | 11°57 | n.a. | W 6 |
| T 7 | 5 58 6 | 1°14'09 | 22°39 | 4°48 | 25°51 | 26°59 | 4°43 | 11°29 | 28°48 | 11° 3 | 5°47 | 13°32 | 14°25 | 12° 3 | n.a. | T 7 |
| F 8 | 6 2 2 | 2°14'32 | 4♑57 | 5°52 | 27° 6 | 27°46 | 4°35 | 11°36 | 28°46 | 11° 4 | 5°45 | 13°31 | 14°22 | 12°10 | n.a. | F 8 |
| S 9 | 6 5 59 | 3°14'53 | 17°25 | 6°59 | 28°21 | 28°33 | 4°27 | 11°44 | 28°44 | 11° 5 | 5°44 | 13°D31 | 14°19 | 12°17 | n.a. | S 9 |
| S 10 | 6 9 56 | 4°15'12 | 0♒ 5 | 8° 8 | 29°36 | 29°20 | 4°19 | 11°51 | 28°41 | 11° 5 | 5°43 | 13°31 | 14°16 | 12°24 | n.a. | S 10 |
| M11 | 6 13 52 | 5°15'29 | 12°58 | 9°18 | 0♑51 | 0♑ 7 | 4°11 | 11°58 | 28°39 | 11° 6 | 5°42 | 13°32 | 14°13 | 12°30 | n.a. | M11 |
| T 12 | 6 17 49 | 6°15'43 | 26° 4 | 10°31 | 2° 6 | 0°55 | 4° 4 | 12° 6 | 28°37 | 11° 7 | 5°40 | 13°33 | 14°10 | 12°37 | n.a. | T 12 |
| W13 | 6 21 45 | 7°15'55 | 9♓25 | 11°46 | 3°20 | 1°42 | 3°56 | 12°13 | 28°34 | 11° 7 | 5°39 | 13°33 | 14° 6 | 12°44 | n.a. | W13 |
| T 14 | 6 25 42 | 8°16'05 | 23° 0 | 13° 2 | 4°35 | 2°29 | 3°48 | 12°21 | 28°32 | 11° 8 | 5°37 | 13°34 | 14° 3 | 12°50 | n.a. | T 14 |
| F 15 | 6 29 38 | 9°16'13 | 6♈51 | 14°19 | 5°50 | 3°16 | 3°40 | 12°28 | 28°30 | 11° 8 | 5°36 | 13°R34 | 14° 0 | 12°57 | n.a. | F 15 |
| S 16 | 6 33 35 | 10°16'18 | 20°57 | 15°39 | 7° 5 | 4° 3 | 3°32 | 12°36 | 28°27 | 11° 9 | 5°35 | 13°34 | 13°57 | 13° 4 | n.a. | S 16 |
| S 17 | 6 37 31 | 11°16'21 | 5♉16 | 16°59 | 8°19 | 4°50 | 3°24 | 12°43 | 28°25 | 11° 9 | 5°33 | 13°34 | 13°54 | 13°11 | n.a. | S 17 |
| M18 | 6 41 28 | 12°16'22 | 19°45 | 18°21 | 9°34 | 5°37 | 3°17 | 12°51 | 28°22 | 11° 9 | 5°32 | 13°34 | 13°51 | 13°17 | n.a. | M18 |
| T 19 | 6 45 24 | 13°16'20 | 4♊21 | 19°45 | 10°49 | 6°24 | 3° 9 | 12°58 | 28°20 | 11°10 | 5°30 | 13°D34 | 13°47 | 13°24 | n.a. | T 19 |
| W20 | 6 49 21 | 14°16'16 | 18°58 | 21°10 | 12° 3 | 7°11 | 3° 1 | 13° 6 | 28°17 | 11°10 | 5°29 | 13°34 | 13°44 | 13°31 | n.a. | W20 |
| T 21 | 6 53 18 | 15°16'10 | 3♋30 | 22°36 | 13°18 | 7°58 | 2°54 | 13°13 | 28°15 | 11°10 | 5°27 | 13°34 | 13°41 | 13°37 | n.a. | T 21 |
| F 22 | 6 57 14 | 16°16'01 | 17°50 | 24° 3 | 14°33 | 8°45 | 2°46 | 13°20 | 28°12 | 11°11 | 5°26 | 13°R34 | 13°38 | 13°44 | n.a. | F 22 |
| S 23 | 7 1 11 | 17°15'51 | 1♌54 | 25°32 | 15°47 | 9°32 | 2°39 | 13°28 | 28°10 | 11°11 | 5°24 | 13°34 | 13°35 | 13°51 | n.a. | S 23 |
| S 24 | 7 5 7 | 18°15'38 | 15°38 | 27° 2 | 17° 2 | 10°19 | 2°31 | 13°35 | 28° 7 | 11°11 | 5°23 | 13°33 | 13°31 | 13°57 | n.a. | S 24 |
| M25 | 7 9 4 | 19°15'24 | 29° 0 | 28°33 | 18°16 | 11° 6 | 2°24 | 13°43 | 28° 5 | 11°11 | 5°21 | 13°33 | 13°28 | 14° 4 | n.a. | M25 |
| T 26 | 7 13 0 | 20°15'07 | 12♍ 0 | 0♑ 6 | 19°31 | 11°53 | 2°17 | 13°50 | 28° 2 | 11°11 | 5°20 | 13°32 | 13°25 | 14°11 | n.a. | T 26 |
| W27 | 7 16 57 | 21°14'48 | 24°38 | 1°39 | 20°45 | 12°40 | 2°10 | 13°58 | 28° 0 | 11°11 | 5°18 | 13°31 | 13°22 | 14°18 | n.a. | W27 |
| T 28 | 7 20 53 | 22°14'27 | 6♎59 | 3°14 | 22° 0 | 13°27 | 2° 3 | 14° 5 | 27°57 | 11°11 | 5°16 | 13°30 | 13°19 | 14°24 | n.a. | T 28 |
| F 29 | 7 24 50 | 23°14'05 | 19° 5 | 4°50 | 23°14 | 14°13 | 1°56 | 14°13 | 27°54 | 11°R11 | 5°15 | 13°D30 | 13°16 | 14°31 | n.a. | F 29 |
| S 30 | 7 28 47 | 24°13'40 | 1♏ 2 | 6°28 | 24°29 | 15° 0 | 1°49 | 14°20 | 27°52 | 11°11 | 5°13 | 13°30 | 13°12 | 14°38 | n.a. | S 30 |
| S 31 | 7 32 43 | 25♑13'14 | 12♏54 | 8♑ 6 | 25♑44 | 15♑47 | 1♋42 | 14♑27 | 27♋49 | 11♎11 | 5♌12 | 13♋30 | 13♋ 9 | 14♏44 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 23s50 | 0n22 | 5n15 | 18s42 | 1n46 | 24s 4 | 0s40 | 24s40 | 0s58 | 24n50 | 1n 1 | 24s26 | 0s57 | 21n30 | 0n45 | 2s32 | 2n 4 | 35n 1 | 16n27 | 23n12 | 23n 5 | 11s11 | | n.a. | F 1 |
| S 2 | 23 52 | 4s17 | 5 11 | 19 2 | 1 35 | 24 12 | 0 42 | 24 43 | 0 59 | 24 50 | 1 1 | 24 25 | 0 57 | 21 31 | 0 45 | 2 32 | 2 4 | 35 2 | 16 27 | 23 12 | 23 6 | 11 13 | | n.a. | S 2 |
| S 3 | 23 53 | 8 46 | 4 54 | 19 23 | 1 25 | 24 20 | 0 44 | 24 45 | 0 59 | 24 51 | 1 2 | 24 25 | 0 57 | 21 31 | 0 45 | 2 32 | 2 4 | 35 2 | 16 27 | 23 12 | 23 6 | 11 16 | | n.a. | S 3 |
| M 4 | 23 55 | 12 55 | 4 25 | 19 44 | 1 14 | 24 27 | 0 46 | 24 48 | 0 59 | 24 51 | 1 2 | 24 24 | 0 57 | 21 32 | 0 45 | 2 32 | 2 5 | 35 3 | 16 28 | 23 12 | 23 6 | 11 18 | | n.a. | M 4 |
| T 5 | 23 55 | 16 36 | 3 44 | 20 5 | 1 4 | 24 33 | 0 48 | 24 50 | 1 0 | 24 51 | 1 2 | 24 23 | 0 58 | 21 32 | 0 45 | 2 33 | 2 5 | 35 4 | 16 28 | 23 13 | 23 7 | 11 21 | | n.a. | T 5 |
| W 6 | 23 55 | 19 38 | 2 53 | 20 27 | 0 54 | 24 38 | 0 50 | 24 52 | 1 0 | 24 52 | 1 2 | 24 23 | 0 58 | 21 33 | 0 45 | 2 33 | 2 5 | 35 4 | 16 29 | 23 13 | 23 7 | 11 23 | | n.a. | W 6 |
| T 7 | 23 55 | 21 50 | 1 53 | 20 48 | 0 44 | 24 43 | 0 52 | 24 53 | 1 0 | 24 52 | 1 2 | 24 22 | 0 58 | 21 33 | 0 45 | 2 33 | 2 5 | 35 5 | 16 29 | 23 13 | 23 7 | 11 25 | | n.a. | T 7 |
| F 8 | 23 54 | 23 2 | 0 47 | 21 9 | 0 34 | 24 47 | 0 54 | 24 55 | 1 1 | 24 53 | 1 2 | 24 22 | 0 58 | 21 34 | 0 45 | 2 33 | 2 5 | 35 6 | 16 29 | 23 13 | 23 8 | 11 28 | | n.a. | F 8 |
| S 9 | 23 53 | 23 7 | 0s22 | 21 30 | 0 25 | 24 50 | 0 55 | 24 56 | 1 1 | 24 53 | 1 3 | 24 21 | 0 58 | 21 34 | 0 45 | 2 34 | 2 5 | 35 6 | 16 30 | 23 13 | 23 8 | 11 30 | | n.a. | S 9 |
| S 10 | 23 51 | 22 1 | 1 31 | 21 51 | 0 16 | 24 52 | 0 57 | 24 56 | 1 1 | 24 54 | 1 3 | 24 20 | 0 58 | 21 35 | 0 45 | 2 34 | 2 5 | 35 7 | 16 30 | 23 13 | 23 8 | 11 33 | | n.a. | S 10 |
| M11 | 23 49 | 19 45 | 2 36 | 22 11 | 0 6 | 24 54 | 0 59 | 24 57 | 1 1 | 24 54 | 1 3 | 24 20 | 0 58 | 21 35 | 0 45 | 2 34 | 2 5 | 35 8 | 16 30 | 23 13 | 23 9 | 11 35 | | n.a. | M11 |
| T 12 | 23 46 | 16 26 | 3 35 | 22 31 | 0s 2 | 24 55 | 1 1 | 24 57 | 1 2 | 24 54 | 1 3 | 24 19 | 0 58 | 21 36 | 0 45 | 2 34 | 2 5 | 35 9 | 16 31 | 23 13 | 23 9 | 11 38 | | n.a. | T 12 |
| W13 | 23 43 | 12 14 | 4 23 | 22 50 | 0 11 | 24 55 | 1 2 | 24 57 | 1 2 | 24 55 | 1 3 | 24 19 | 0 58 | 21 36 | 0 45 | 2 34 | 2 5 | 35 9 | 16 31 | 23 13 | 23 9 | 11 40 | | n.a. | W13 |
| T 14 | 23 39 | 7 22 | 4 57 | 23 8 | 0 19 | 24 54 | 1 4 | 24 56 | 1 2 | 24 55 | 1 3 | 24 18 | 0 58 | 21 37 | 0 45 | 2 34 | 2 5 | 35 10 | 16 31 | 23 13 | 23 10 | 11 43 | | n.a. | T 14 |
| F 15 | 23 35 | 2 2 | 5 15 | 23 26 | 0 28 | 24 53 | 1 5 | 24 55 | 1 3 | 24 55 | 1 3 | 24 17 | 0 58 | 21 37 | 0 45 | 2 35 | 2 5 | 35 11 | 16 32 | 23 13 | 23 10 | 11 45 | | n.a. | F 15 |
| S 16 | 23 31 | 3n29 | 5 15 | 23 43 | 0 35 | 24 50 | 1 7 | 24 54 | 1 3 | 24 56 | 1 3 | 24 17 | 0 58 | 21 38 | 0 45 | 2 35 | 2 5 | 35 11 | 16 32 | 23 13 | 23 10 | 11 47 | | n.a. | S 16 |
| S 17 | 23 26 | 8 55 | 4 55 | 23 59 | 0 43 | 24 47 | 1 8 | 24 53 | 1 3 | 24 56 | 1 3 | 24 16 | 0 58 | 21 38 | 0 45 | 2 35 | 2 5 | 35 12 | 16 32 | 23 13 | 23 11 | 11 50 | | n.a. | S 17 |
| M18 | 23 20 | 13 55 | 4 16 | 24 14 | 0 50 | 24 43 | 1 9 | 24 51 | 1 3 | 24 56 | 1 4 | 24 15 | 0 58 | 21 39 | 0 46 | 2 35 | 2 5 | 35 13 | 16 32 | 23 13 | 23 11 | 11 52 | | n.a. | M18 |
| T 19 | 23 15 | 18 9 | 3 21 | 24 28 | 0 57 | 24 39 | 1 11 | 24 49 | 1 4 | 24 57 | 1 4 | 24 15 | 0 58 | 21 39 | 0 46 | 2 35 | 2 6 | 35 13 | 16 33 | 23 13 | 23 11 | 11 55 | | n.a. | T 19 |
| W20 | 23 8 | 21 15 | 2 12 | 24 41 | 1 4 | 24 33 | 1 12 | 24 47 | 1 4 | 24 57 | 1 4 | 24 14 | 0 58 | 21 40 | 0 46 | 2 35 | 2 6 | 35 14 | 16 33 | 23 13 | 23 12 | 11 57 | | n.a. | W20 |
| T 21 | 23 2 | 22 57 | 0 56 | 24 53 | 1 11 | 24 27 | 1 13 | 24 44 | 1 4 | 24 57 | 1 4 | 24 13 | 0 59 | 21 40 | 0 46 | 2 35 | 2 6 | 35 15 | 16 33 | 23 13 | 23 12 | 12 0 | | n.a. | T 21 |
| F 22 | 22 54 | 23 6 | 0n24 | 25 4 | 1 17 | 24 20 | 1 14 | 24 42 | 1 4 | 24 57 | 1 4 | 24 13 | 0 59 | 21 41 | 0 46 | 2 35 | 2 6 | 35 15 | 16 33 | 23 13 | 23 12 | 12 2 | | n.a. | F 22 |
| S 23 | 22 47 | 21 45 | 1 40 | 25 13 | 1 22 | 24 13 | 1 15 | 24 39 | 1 4 | 24 58 | 1 4 | 24 12 | 0 59 | 21 41 | 0 46 | 2 35 | 2 6 | 35 16 | 16 34 | 23 13 | 23 13 | 12 4 | | n.a. | S 23 |
| S 24 | 22 39 | 19 9 | 2 49 | 25 21 | 1 28 | 24 5 | 1 16 | 24 35 | 1 5 | 24 58 | 1 4 | 24 11 | 0 59 | 21 42 | 0 46 | 2 35 | 2 6 | 35 17 | 16 34 | 23 13 | 23 13 | 12 7 | | n.a. | S 24 |
| M25 | 22 30 | 15 34 | 3 46 | 25 28 | 1 33 | 23 55 | 1 17 | 24 31 | 1 5 | 24 58 | 1 4 | 24 11 | 0 59 | 21 42 | 0 46 | 2 35 | 2 6 | 35 17 | 16 34 | 23 13 | 23 13 | 12 9 | | n.a. | M25 |
| T 26 | 22 22 | 11 21 | 4 30 | 25 33 | 1 38 | 23 46 | 1 18 | 24 27 | 1 5 | 24 58 | 1 4 | 24 10 | 0 59 | 21 43 | 0 46 | 2 35 | 2 6 | 35 18 | 16 34 | 23 13 | 23 14 | 12 12 | | n.a. | T 26 |
| W27 | 22 12 | 6 45 | 5 0 | 25 37 | 1 42 | 23 35 | 1 19 | 24 23 | 1 5 | 24 58 | 1 4 | 24 9 | 0 59 | 21 44 | 0 46 | 2 35 | 2 6 | 35 18 | 16 34 | 23 13 | 23 14 | 12 14 | | n.a. | W27 |
| T 28 | 22 3 | 1 59 | 5 15 | 25 39 | 1 46 | 23 24 | 1 20 | 24 19 | 1 5 | 24 59 | 1 4 | 24 8 | 0 59 | 21 44 | 0 46 | 2 35 | 2 6 | 35 19 | 16 35 | 23 13 | 23 14 | 12 17 | | n.a. | T 28 |
| F 29 | 21 53 | 2s46 | 5 15 | 25 40 | 1 50 | 23 12 | 1 21 | 24 14 | 1 6 | 24 59 | 1 4 | 24 8 | 0 59 | 21 45 | 0 46 | 2 35 | 2 6 | 35 20 | 16 35 | 23 13 | 23 15 | 12 19 | | n.a. | F 29 |
| S 30 | 21 42 | 7 21 | 5 2 | 25 39 | 1 53 | 22 59 | 1 21 | 24 9 | 1 6 | 24 59 | 1 4 | 24 7 | 0 59 | 21 45 | 0 46 | 2 35 | 2 6 | 35 20 | 16 35 | 23 13 | 23 15 | 12 21 | | n.a. | S 30 |
| S 31 | 21s31 | 11s38 | 4n36 | 25s36 | 1s56 | 22s46 | 1s22 | 24s 3 | 1s 6 | 24n59 | 1n 4 | 24s 6 | 0s59 | 21n46 | 0n46 | 2s35 | 2n 6 | 35n21 | 16n35 | 23n13 | 23n15 | 12s24 | | n.a. | S 31 |

Julian Day Number = 997132.5, Delta T = 12h55m33s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'47, Lahiri = -31°17'46 Julian Calendar 1 Jan. 1983 BCE == Greg. Calendar 15 Dec. 1984 BCE

The year -1982 astronomical counting style corresponds to year 1983 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## FEBRUARY 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 36 40 | 26♑12'45 | 24♏45 | 9♑46 | 26♑58 | 16♑34 | 1°R35 | 14♑35 | 27°R47 | 11°R11 | 5°R10 | 13♋31 | 13♋ 6 | 14♏51 | n.a. | M 1 |
| T 2 | 7 40 36 | 27°12'15 | 6♐41 | 11°27 | 28°12 | 17°20 | 1♋29 | 14°42 | 27♋44 | 11♎11 | 5♌ 8 | 13°33 | 13° 3 | 14°58 | n.a. | T 2 |
| W 3 | 7 44 33 | 28°11'43 | 18°45 | 13° 9 | 29°27 | 18° 7 | 1°22 | 14°49 | 27°41 | 11°11 | 5° 7 | 13°34 | 13° 0 | 15° 5 | n.a. | W 3 |
| T 4 | 7 48 29 | 29°11'08 | 1♑ 0 | 14°53 | 0♒41 | 18°54 | 1°16 | 14°57 | 27°39 | 11°11 | 5° 5 | 13°35 | 12°57 | 15°11 | n.a. | T 4 |
| F 5 | 7 52 26 | 0♒10'32 | 13°29 | 16°38 | 1°56 | 19°40 | 1°10 | 15° 4 | 27°36 | 11°10 | 5° 4 | 13°R35 | 12°53 | 15°18 | n.a. | F 5 |
| S 6 | 7 56 22 | 1° 9'54 | 26°15 | 18°24 | 3°10 | 20°27 | 1° 4 | 15°11 | 27°34 | 11°10 | 5° 2 | 13°35 | 12°50 | 15°25 | n.a. | S 6 |
| S 7 | 8 0 19 | 2° 9'13 | 9♒16 | 20°11 | 4°25 | 21°13 | 0°58 | 15°19 | 27°31 | 11°10 | 5° 0 | 13°34 | 12°47 | 15°31 | n.a. | S 7 |
| M 8 | 8 4 15 | 3° 8'30 | 22°33 | 22° 0 | 5°39 | 22° 0 | 0°52 | 15°26 | 27°28 | 11° 9 | 4°59 | 13°31 | 12°44 | 15°38 | n.a. | M 8 |
| T 9 | 8 8 12 | 4° 7'44 | 6♓ 4 | 23°50 | 6°53 | 22°46 | 0°47 | 15°33 | 27°26 | 11° 9 | 4°57 | 13°29 | 12°41 | 15°45 | n.a. | T 9 |
| W10 | 8 12 9 | 5° 6'56 | 19°49 | 25°41 | 8° 8 | 23°33 | 0°41 | 15°40 | 27°23 | 11° 9 | 4°55 | 13°25 | 12°37 | 15°51 | n.a. | W10 |
| T 11 | 8 16 5 | 6° 6'06 | 3♈43 | 27°34 | 9°22 | 24°19 | 0°36 | 15°48 | 27°21 | 11° 8 | 4°54 | 13°23 | 12°34 | 15°58 | n.a. | T 11 |
| F 12 | 8 20 2 | 7° 5'13 | 17°45 | 29°28 | 10°36 | 25° 5 | 0°31 | 15°55 | 27°18 | 11° 8 | 4°52 | 13°20 | 12°31 | 16° 5 | n.a. | F 12 |
| S 13 | 8 23 58 | 8° 4'18 | 1♉53 | 1♒23 | 11°51 | 25°52 | 0°26 | 16° 2 | 27°15 | 11° 7 | 4°50 | 13°D19 | 12°28 | 16°12 | n.a. | S 13 |
| S 14 | 8 27 55 | 9° 3'20 | 16° 4 | 3°19 | 13° 5 | 26°38 | 0°21 | 16° 9 | 27°13 | 11° 7 | 4°49 | 13°19 | 12°25 | 16°18 | n.a. | S 14 |
| M15 | 8 31 51 | 10° 2'20 | 0♊17 | 5°17 | 14°19 | 27°24 | 0°16 | 16°16 | 27°10 | 11° 6 | 4°47 | 13°20 | 12°22 | 16°25 | n.a. | M15 |
| T 16 | 8 35 48 | 11° 1'17 | 14°28 | 7°16 | 15°34 | 28°10 | 0°12 | 16°23 | 27° 8 | 11° 6 | 4°46 | 13°22 | 12°18 | 16°32 | n.a. | T 16 |
| W17 | 8 39 44 | 12° 0'12 | 28°37 | 9°17 | 16°48 | 28°56 | 0° 7 | 16°30 | 27° 5 | 11° 5 | 4°44 | 13°23 | 12°15 | 16°38 | n.a. | W17 |
| T 18 | 8 43 41 | 12°59'05 | 12♋40 | 11°18 | 18° 2 | 29°43 | 0° 3 | 16°37 | 27° 3 | 11° 4 | 4°42 | 13°R24 | 12°12 | 16°45 | n.a. | T 18 |
| F 19 | 8 47 37 | 13°57'55 | 26°35 | 13°20 | 19°16 | 0♒29 | 29♊59 | 16°44 | 27° 0 | 11° 4 | 4°41 | 13°23 | 12° 9 | 16°52 | n.a. | F 19 |
| S 20 | 8 51 34 | 14°56'43 | 10♌17 | 15°23 | 20°30 | 1°15 | 29°55 | 16°51 | 26°58 | 11° 3 | 4°39 | 13°21 | 12° 6 | 16°58 | n.a. | S 20 |
| S 21 | 8 55 31 | 15°55'28 | 23°46 | 17°27 | 21°45 | 2° 1 | 29°51 | 16°58 | 26°56 | 11° 2 | 4°37 | 13°17 | 12° 2 | 17° 5 | n.a. | S 21 |
| M22 | 8 59 27 | 16°54'12 | 6♍57 | 19°32 | 22°59 | 2°47 | 29°48 | 17° 5 | 26°53 | 11° 2 | 4°36 | 13°12 | 11°59 | 17°12 | n.a. | M22 |
| T 23 | 9 3 24 | 17°52'53 | 19°52 | 21°37 | 24°13 | 3°33 | 29°45 | 17°11 | 26°51 | 11° 1 | 4°34 | 13° 6 | 11°56 | 17°19 | n.a. | T 23 |
| W24 | 9 7 20 | 18°51'32 | 2♎28 | 23°42 | 25°27 | 4°18 | 29°41 | 17°18 | 26°48 | 11° 0 | 4°33 | 13° 0 | 11°53 | 17°25 | n.a. | W24 |
| T 25 | 9 11 17 | 19°50'10 | 14°49 | 25°48 | 26°41 | 5° 4 | 29°38 | 17°25 | 26°46 | 10°59 | 4°31 | 12°55 | 11°50 | 17°32 | n.a. | T 25 |
| F 26 | 9 15 13 | 20°48'45 | 26°56 | 27°53 | 27°55 | 5°50 | 29°36 | 17°32 | 26°44 | 10°58 | 4°30 | 12°51 | 11°47 | 17°39 | n.a. | F 26 |
| S 27 | 9 19 10 | 21°47'19 | 8♏54 | 29°57 | 29° 9 | 6°36 | 29°33 | 17°38 | 26°41 | 10°57 | 4°28 | 12°48 | 11°43 | 17°45 | n.a. | S 27 |
| S 28 | 9 23 6 | 22♒45'50 | 20♏46 | 2♓ 0 | 0♓23 | 7♒21 | 29♊30 | 17♑45 | 26♋39 | 10♎57 | 4♌26 | 12°D47 | 11♋40 | 17♏52 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21 s20 | 15 s29 | 3n59 | 25 s32 | 1 s59 | 22 s32 | 1 s23 | 23 s58 | 1 s 6 | 24n59 | 1n 4 | 24 s 5 | 0 s59 | 21n46 | 0n46 | 2 s35 | 2n 6 | 35n21 | 16n35 | 23n13 | 23n16 | 12 s26 | | n.a. |
| T 2 | 21 8 | 18 44 | 3 10 | 25 25 | 2 1 | 22 17 | 1 23 | 23 52 | 1 6 | 24 59 | 1 4 | 24 5 | 1 0 | 21 47 | 0 46 | 2 35 | 2 7 | 35 22 | 16 35 | 23 13 | 23 16 | 12 29 | | n.a. |
| W 3 | 20 56 | 21 13 | 2 13 | 25 17 | 2 2 | 22 2 | 1 24 | 23 46 | 1 6 | 24 59 | 1 4 | 24 4 | 1 0 | 21 47 | 0 46 | 2 34 | 2 7 | 35 22 | 16 36 | 23 13 | 23 16 | 12 31 | | n.a. |
| T 4 | 20 44 | 22 46 | 1 9 | 25 7 | 2 4 | 21 46 | 1 24 | 23 39 | 1 6 | 24 59 | 1 4 | 24 3 | 1 0 | 21 48 | 0 46 | 2 34 | 2 7 | 35 23 | 16 36 | 23 13 | 23 17 | 12 33 | | n.a. |
| F 5 | 20 31 | 23 13 | 0 1 | 24 55 | 2 4 | 21 30 | 1 24 | 23 33 | 1 7 | 25 0 | 1 5 | 24 3 | 1 0 | 21 48 | 0 46 | 2 34 | 2 7 | 35 24 | 16 36 | 23 13 | 23 17 | 12 36 | | n.a. |
| S 6 | 20 18 | 22 28 | 1 s 9 | 24 41 | 2 5 | 21 13 | 1 24 | 23 26 | 1 7 | 25 0 | 1 5 | 24 2 | 1 0 | 21 49 | 0 46 | 2 34 | 2 7 | 35 24 | 16 36 | 23 13 | 23 17 | 12 38 | | n.a. |
| S 7 | 20 5 | 20 30 | 2 17 | 24 25 | 2 4 | 20 55 | 1 25 | 23 18 | 1 7 | 25 0 | 1 5 | 24 1 | 1 0 | 21 49 | 0 46 | 2 34 | 2 7 | 35 25 | 16 36 | 23 13 | 23 18 | 12 41 | | n.a. |
| M 8 | 19 51 | 17 24 | 3 19 | 24 7 | 2 4 | 20 36 | 1 25 | 23 11 | 1 7 | 25 0 | 1 5 | 24 0 | 1 0 | 21 50 | 0 46 | 2 34 | 2 7 | 35 25 | 16 36 | 23 13 | 23 18 | 12 43 | | n.a. |
| T 9 | 19 37 | 13 20 | 4 10 | 23 47 | 2 2 | 20 17 | 1 25 | 23 3 | 1 7 | 25 0 | 1 5 | 24 0 | 1 0 | 21 50 | 0 46 | 2 33 | 2 7 | 35 26 | 16 36 | 23 13 | 23 18 | 12 45 | | n.a. |
| W10 | 19 22 | 8 31 | 4 48 | 23 25 | 2 1 | 19 58 | 1 25 | 22 55 | 1 7 | 25 0 | 1 5 | 23 59 | 1 0 | 21 51 | 0 46 | 2 33 | 2 7 | 35 26 | 16 36 | 23 14 | 23 19 | 12 48 | | n.a. |
| T 11 | 19 7 | 3 13 | 5 10 | 23 0 | 1 59 | 19 38 | 1 25 | 22 47 | 1 7 | 25 0 | 1 5 | 23 58 | 1 0 | 21 51 | 0 46 | 2 33 | 2 7 | 35 27 | 16 36 | 23 14 | 23 19 | 12 50 | | n.a. |
| F 12 | 18 52 | 2n17 | 5 13 | 22 34 | 1 56 | 19 17 | 1 25 | 22 39 | 1 7 | 25 0 | 1 5 | 23 57 | 1 1 | 21 52 | 0 46 | 2 33 | 2 7 | 35 27 | 16 36 | 23 14 | 23 19 | 12 53 | | n.a. |
| S 13 | 18 37 | 7 43 | 4 58 | 22 5 | 1 52 | 18 56 | 1 24 | 22 30 | 1 7 | 25 0 | 1 4 | 23 56 | 1 1 | 21 53 | 0 46 | 2 32 | 2 7 | 35 28 | 16 36 | 23 14 | 23 19 | 12 55 | | n.a. |
| S 14 | 18 21 | 12 46 | 4 25 | 21 34 | 1 49 | 18 34 | 1 24 | 22 21 | 1 7 | 25 0 | 1 4 | 23 56 | 1 1 | 21 53 | 0 46 | 2 32 | 2 7 | 35 28 | 16 36 | 23 14 | 23 20 | 12 57 | | n.a. |
| M15 | 18 5 | 17 7 | 3 35 | 21 0 | 1 44 | 18 12 | 1 24 | 22 12 | 1 7 | 25 0 | 1 4 | 23 55 | 1 1 | 21 54 | 0 46 | 2 32 | 2 7 | 35 29 | 16 36 | 23 14 | 23 20 | 13 0 | | n.a. |
| T 16 | 17 49 | 20 29 | 2 32 | 20 25 | 1 39 | 17 49 | 1 23 | 22 3 | 1 7 | 25 0 | 1 4 | 23 54 | 1 1 | 21 54 | 0 46 | 2 32 | 2 7 | 35 29 | 16 36 | 23 14 | 23 20 | 13 2 | | n.a. |
| W17 | 17 32 | 22 35 | 1 20 | 19 48 | 1 33 | 17 26 | 1 23 | 21 53 | 1 7 | 25 0 | 1 4 | 23 53 | 1 1 | 21 55 | 0 46 | 2 31 | 2 7 | 35 29 | 16 36 | 23 14 | 23 21 | 13 5 | | n.a. |
| T 18 | 17 15 | 23 14 | 0 4 | 19 8 | 1 27 | 17 2 | 1 23 | 21 43 | 1 7 | 25 0 | 1 4 | 23 53 | 1 1 | 21 55 | 0 46 | 2 31 | 2 8 | 35 30 | 16 36 | 23 14 | 23 21 | 13 7 | | n.a. |
| F 19 | 16 58 | 22 26 | 1n12 | 18 26 | 1 20 | 16 38 | 1 22 | 21 33 | 1 7 | 25 0 | 1 4 | 23 52 | 1 1 | 21 55 | 0 46 | 2 31 | 2 8 | 35 30 | 16 36 | 23 14 | 23 21 | 13 9 | | n.a. |
| S 20 | 16 41 | 20 17 | 2 22 | 17 42 | 1 13 | 16 14 | 1 21 | 21 23 | 1 7 | 25 0 | 1 4 | 23 51 | 1 2 | 21 56 | 0 46 | 2 30 | 2 8 | 35 31 | 16 36 | 23 14 | 23 22 | 13 12 | | n.a. |
| S 21 | 16 23 | 17 3 | 3 23 | 16 57 | 1 5 | 15 49 | 1 21 | 21 12 | 1 7 | 25 0 | 1 4 | 23 50 | 1 2 | 21 56 | 0 46 | 2 30 | 2 8 | 35 31 | 16 36 | 23 15 | 23 22 | 13 14 | | n.a. |
| M22 | 16 5 | 13 0 | 4 11 | 16 9 | 0 57 | 15 23 | 1 20 | 21 2 | 1 7 | 25 0 | 1 4 | 23 50 | 1 2 | 21 57 | 0 46 | 2 30 | 2 8 | 35 31 | 16 36 | 23 15 | 23 22 | 13 17 | | n.a. |
| T 23 | 15 47 | 8 28 | 4 46 | 15 20 | 0 48 | 14 57 | 1 19 | 20 51 | 1 7 | 24 59 | 1 4 | 23 49 | 1 2 | 21 57 | 0 46 | 2 29 | 2 8 | 35 32 | 16 36 | 23 16 | 23 22 | 13 19 | | n.a. |
| W24 | 15 28 | 3 39 | 5 6 | 14 29 | 0 38 | 14 31 | 1 18 | 20 40 | 1 7 | 24 59 | 1 4 | 23 48 | 1 2 | 21 58 | 0 46 | 2 29 | 2 8 | 35 32 | 16 36 | 23 16 | 23 23 | 13 21 | | n.a. |
| T 25 | 15 10 | 1 s11 | 5 11 | 13 37 | 0 28 | 14 5 | 1 17 | 20 28 | 1 7 | 24 59 | 1 4 | 23 47 | 1 2 | 21 58 | 0 46 | 2 29 | 2 8 | 35 33 | 16 36 | 23 17 | 23 23 | 13 24 | | n.a. |
| F 26 | 14 51 | 5 54 | 5 2 | 12 44 | 0 18 | 13 38 | 1 16 | 20 17 | 1 7 | 24 59 | 1 4 | 23 47 | 1 2 | 21 59 | 0 46 | 2 28 | 2 8 | 35 33 | 16 36 | 23 17 | 23 23 | 13 26 | | n.a. |
| S 27 | 14 32 | 10 21 | 4 39 | 11 50 | 0 7 | 13 10 | 1 15 | 20 5 | 1 7 | 24 59 | 1 4 | 23 46 | 1 2 | 21 59 | 0 46 | 2 28 | 2 8 | 35 33 | 16 36 | 23 17 | 23 24 | 13 28 | | n.a. |
| S 28 | 14 s12 | 14 s22 | 4n 5 | 10 s55 | 0n 4 | 12 s43 | 1 s14 | 19 s53 | 1 s 7 | 24n59 | 1n 4 | 23 s45 | 1 s 3 | 22n 0 | 0n46 | 2 s27 | 2n 8 | 35n33 | 16n36 | 23n18 | 23n24 | 13 s31 | | n.a. |

Julian Day Number = 997163.5, Delta T = 12h55m31s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'43, Lahiri = -31°17'42 Julian Calendar 1 Feb. 1983 BCE == Greg. Calendar 15 Jan. 1983 BCE


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## MARCH 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 27 3 | 23♒44'20 | 2♐38 | 4♓ 3 | 1♓37 | 8♒ 7 | 29°R28 | 17♉51 | 26°R37 | 10°R56 | 4°R25 | 12♋48 | 11♋37 | 17♏59 | n.a. | M 1 |
| T 2 | 9 30 59 | 24°42'49 | 14°34 | 6° 3 | 2°51 | 8°53 | 29♊26 | 17°58 | 26♋35 | 10♎55 | 4♌23 | 12°49 | 11°34 | 18° 5 | n.a. | T 2 |
| W 3 | 9 34 56 | 25°41'15 | 26°39 | 8° 2 | 4° 5 | 9°38 | 29°24 | 18° 4 | 26°33 | 10°54 | 4°22 | 12°50 | 11°31 | 18°12 | n.a. | W 3 |
| T 4 | 9 38 53 | 26°39'40 | 8♉59 | 9°58 | 5°19 | 10°24 | 29°22 | 18°11 | 26°30 | 10°53 | 4°20 | 12°R51 | 11°28 | 18°19 | n.a. | T 4 |
| F 5 | 9 42 49 | 27°38'03 | 21°36 | 11°52 | 6°33 | 11° 9 | 29°21 | 18°17 | 26°28 | 10°52 | 4°19 | 12°51 | 11°24 | 18°26 | n.a. | F 5 |
| S 6 | 9 46 46 | 28°36'24 | 4♒34 | 13°43 | 7°47 | 11°55 | 29°20 | 18°23 | 26°26 | 10°51 | 4°17 | 12°49 | 11°21 | 18°32 | n.a. | S 6 |
| S 7 | 9 50 42 | 29°34'43 | 17°53 | 15°31 | 9° 1 | 12°40 | 29°18 | 18°30 | 26°24 | 10°49 | 4°16 | 12°45 | 11°18 | 18°39 | n.a. | S 7 |
| M 8 | 9 54 39 | 0♓33'00 | 1♓33 | 17°15 | 10°15 | 13°26 | 29°17 | 18°36 | 26°22 | 10°48 | 4°15 | 12°38 | 11°15 | 18°46 | n.a. | M 8 |
| T 9 | 9 58 35 | 1°31'15 | 15°32 | 18°56 | 11°29 | 14°11 | 29°17 | 18°42 | 26°20 | 10°47 | 4°13 | 12°31 | 11°12 | 18°52 | n.a. | T 9 |
| W10 | 10 2 32 | 2°29'28 | 29°44 | 20°33 | 12°43 | 14°56 | 29°16 | 18°48 | 26°18 | 10°46 | 4°12 | 12°23 | 11° 8 | 18°59 | n.a. | W10 |
| T 11 | 10 6 28 | 3°27'39 | 14♈ 5 | 22° 6 | 13°56 | 15°41 | 29°16 | 18°54 | 26°16 | 10°45 | 4°10 | 12°15 | 11° 5 | 19° 6 | n.a. | T 11 |
| F 12 | 10 10 25 | 4°25'48 | 28°28 | 23°34 | 15°10 | 16°26 | 29°15 | 19° 0 | 26°14 | 10°44 | 4° 9 | 12° 9 | 11° 2 | 19°12 | n.a. | F 12 |
| S 13 | 10 14 21 | 5°23'55 | 12♉50 | 24°59 | 16°24 | 17°12 | 29°D15 | 19° 6 | 26°12 | 10°42 | 4° 8 | 12° 5 | 10°59 | 19°19 | n.a. | S 13 |
| S 14 | 10 18 18 | 6°22'00 | 27° 6 | 26°19 | 17°38 | 17°57 | 29°15 | 19°12 | 26°11 | 10°41 | 4° 6 | 12° 3 | 10°56 | 19°26 | n.a. | S 14 |
| M15 | 10 22 15 | 7°20'02 | 11♊14 | 27°34 | 18°52 | 18°42 | 29°16 | 19°18 | 26° 9 | 10°40 | 4° 5 | 12°D 3 | 10°53 | 19°32 | n.a. | M15 |
| T 16 | 10 26 11 | 8°18'03 | 25°13 | 28°45 | 20° 5 | 19°26 | 29°16 | 19°24 | 26° 7 | 10°39 | 4° 4 | 12° 3 | 10°49 | 19°39 | n.a. | T 16 |
| W17 | 10 30 8 | 9°16'01 | 9♋ 2 | 29°51 | 21°19 | 20°11 | 29°17 | 19°30 | 26° 6 | 10°37 | 4° 2 | 12°R 4 | 10°46 | 19°46 | n.a. | W17 |
| T 18 | 10 34 4 | 10°13'58 | 22°41 | 0♈52 | 22°33 | 20°56 | 29°18 | 19°35 | 26° 4 | 10°36 | 4° 1 | 12° 3 | 10°43 | 19°53 | n.a. | T 18 |
| F 19 | 10 38 1 | 11°11'52 | 6♌ 9 | 1°48 | 23°47 | 21°41 | 29°19 | 19°41 | 26° 2 | 10°35 | 4° 0 | 12° 1 | 10°40 | 19°59 | n.a. | F 19 |
| S 20 | 10 41 57 | 12° 9'44 | 19°28 | 2°39 | 25° 0 | 22°26 | 29°20 | 19°46 | 26° 1 | 10°33 | 3°59 | 11°56 | 10°37 | 20° 6 | n.a. | S 20 |
| S 21 | 10 45 54 | 13° 7'35 | 2♍34 | 3°26 | 26°14 | 23°10 | 29°22 | 19°52 | 25°59 | 10°32 | 3°58 | 11°49 | 10°34 | 20°13 | n.a. | S 21 |
| M22 | 10 49 50 | 14° 5'24 | 15°28 | 4° 7 | 27°27 | 23°55 | 29°23 | 19°57 | 25°58 | 10°30 | 3°56 | 11°39 | 10°30 | 20°19 | n.a. | M22 |
| T 23 | 10 53 47 | 15° 3'11 | 28°10 | 4°43 | 28°41 | 24°40 | 29°25 | 20° 3 | 25°56 | 10°29 | 3°55 | 11°28 | 10°27 | 20°26 | n.a. | T 23 |
| W24 | 10 57 43 | 16° 0'56 | 10♎37 | 5°14 | 29°55 | 25°24 | 29°27 | 20° 8 | 25°55 | 10°28 | 3°54 | 11°17 | 10°24 | 20°33 | n.a. | W24 |
| T 25 | 11 1 40 | 16°58'40 | 22°53 | 5°40 | 1♈ 8 | 26° 9 | 29°29 | 20°13 | 25°54 | 10°26 | 3°53 | 11° 6 | 10°21 | 20°39 | n.a. | T 25 |
| F 26 | 11 5 37 | 17°56'23 | 4♏57 | 6° 1 | 2°22 | 26°53 | 29°31 | 20°18 | 25°52 | 10°25 | 3°52 | 10°57 | 10°18 | 20°46 | n.a. | F 26 |
| S 27 | 11 9 33 | 18°54'04 | 16°53 | 6°17 | 3°35 | 27°37 | 29°34 | 20°23 | 25°51 | 10°23 | 3°51 | 10°50 | 10°14 | 20°53 | n.a. | S 27 |
| S 28 | 11 13 30 | 19°51'44 | 28°44 | 6°27 | 4°49 | 28°22 | 29°37 | 20°28 | 25°50 | 10°22 | 3°50 | 10°46 | 10°11 | 20°59 | n.a. | S 28 |
| M29 | 11 17 26 | 20°49'22 | 10♐34 | 6°32 | 6° 2 | 29° 6 | 29°39 | 20°33 | 25°49 | 10°20 | 3°49 | 10°43 | 10° 8 | 21° 6 | n.a. | M29 |
| T 30 | 11 21 23 | 21°47'00 | 22°29 | 6°R33 | 7°16 | 29°50 | 29°42 | 20°38 | 25°48 | 10°19 | 3°48 | 10°D43 | 10° 5 | 21°13 | n.a. | T 30 |
| W31 | 11 25 19 | 22♓44'36 | 4♉34 | 6♈28 | 8♈29 | 0♓34 | 29♊46 | 20♉43 | 25♋46 | 10♎17 | 3♌47 | 10°R43 | 10♋ 2 | 21♏20 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| M 1 | 13s53 | 17s49 | 3n21 | 9s59 | 0n15 | 12s15 | 1s13 | 19s41 | 1s 7 | 24n59 | 1n 4 | 23s44 | 1s 3 | 22n 0 | 0n46 | 2s27 | 2n 8 | 35n34 | 16n35 | 23n18 | 23n24 | 13s33 | | | n.a. |
| T 2 | 13 33 | 20 34 | 2 27 | 9 4 | 0 27 | 11 46 | 1 12 | 19 29 | 1 7 | 24 59 | 1 4 | 23 44 | 1 3 | 22 0 | 0 46 | 2 27 | 2 8 | 35 34 | 16 35 | 23 17 | 23 24 | 13 36 | | | n.a. |
| W 3 | 13 13 | 22 26 | 1 27 | 8 8 | 0 38 | 11 18 | 1 10 | 19 16 | 1 7 | 24 59 | 1 4 | 23 43 | 1 3 | 22 1 | 0 46 | 2 26 | 2 8 | 35 34 | 16 35 | 23 17 | 23 25 | 13 38 | | | n.a. |
| T 4 | 12 53 | 23 16 | 0 21 | 7 13 | 0 50 | 10 49 | 1 9 | 19 4 | 1 7 | 24 59 | 1 4 | 23 42 | 1 3 | 22 1 | 0 46 | 2 26 | 2 8 | 35 35 | 16 35 | 23 17 | 23 25 | 13 40 | | | n.a. |
| F 5 | 12 32 | 22 56 | 0s47 | 6 19 | 1 1 | 10 20 | 1 8 | 18 51 | 1 7 | 24 59 | 1 4 | 23 41 | 1 3 | 22 2 | 0 46 | 2 25 | 2 8 | 35 35 | 16 35 | 23 17 | 23 25 | 13 43 | | | n.a. |
| S 6 | 12 12 | 21 22 | 1 55 | 5 25 | 1 13 | 9 50 | 1 6 | 18 38 | 1 7 | 24 59 | 1 4 | 23 41 | 1 3 | 22 2 | 0 45 | 2 25 | 2 8 | 35 35 | 16 35 | 23 17 | 23 26 | 13 45 | | | n.a. |
| S 7 | 11 51 | 18 35 | 2 58 | 4 32 | 1 24 | 9 21 | 1 5 | 18 25 | 1 7 | 24 59 | 1 3 | 23 40 | 1 3 | 22 2 | 0 45 | 2 24 | 2 8 | 35 35 | 16 35 | 23 18 | 23 26 | 13 47 | | | n.a. |
| M 8 | 11 30 | 14 44 | 3 52 | 3 41 | 1 35 | 8 51 | 1 3 | 18 11 | 1 7 | 24 59 | 1 3 | 23 39 | 1 4 | 22 3 | 0 45 | 2 24 | 2 9 | 35 35 | 16 34 | 23 18 | 23 26 | 13 50 | | | n.a. |
| T 9 | 11 9 | 10 0 | 4 34 | 2 51 | 1 45 | 8 21 | 1 2 | 17 58 | 1 7 | 24 59 | 1 3 | 23 38 | 1 4 | 22 3 | 0 45 | 2 23 | 2 9 | 35 36 | 16 34 | 23 19 | 23 26 | 13 52 | | | n.a. |
| W10 | 10 48 | 4 40 | 4 59 | 2 4 | 1 55 | 7 51 | 1 0 | 17 44 | 1 7 | 24 58 | 1 3 | 23 38 | 1 4 | 22 4 | 0 45 | 2 23 | 2 9 | 35 36 | 16 34 | 23 20 | 23 27 | 13 54 | | | n.a. |
| T 11 | 10 26 | 0n58 | 5 6 | 1 18 | 2 5 | 7 20 | 0 58 | 17 31 | 1 6 | 24 58 | 1 3 | 23 37 | 1 4 | 22 4 | 0 45 | 2 22 | 2 9 | 35 36 | 16 34 | 23 21 | 23 27 | 13 57 | | | n.a. |
| F 12 | 10 5 | 6 34 | 4 54 | 0 34 | 2 14 | 6 49 | 0 57 | 17 17 | 1 6 | 24 58 | 1 3 | 23 36 | 1 4 | 22 4 | 0 45 | 2 22 | 2 9 | 35 36 | 16 33 | 23 21 | 23 27 | 13 59 | | | n.a. |
| S 13 | 9 43 | 11 49 | 4 24 | 0n 8 | 2 22 | 6 19 | 0 55 | 17 3 | 1 6 | 24 58 | 1 3 | 23 35 | 1 4 | 22 5 | 0 45 | 2 21 | 2 9 | 35 36 | 16 33 | 23 22 | 23 27 | 14 1 | | | n.a. |
| S 14 | 9 21 | 16 23 | 3 37 | 0 47 | 2 30 | 5 48 | 0 53 | 16 48 | 1 6 | 24 58 | 1 3 | 23 35 | 1 5 | 22 5 | 0 45 | 2 21 | 2 9 | 35 36 | 16 33 | 23 22 | 23 28 | 14 4 | | | n.a. |
| M15 | 8 59 | 19 59 | 2 38 | 1 24 | 2 37 | 5 16 | 0 51 | 16 34 | 1 6 | 24 58 | 1 3 | 23 34 | 1 5 | 22 5 | 0 45 | 2 20 | 2 9 | 35 37 | 16 33 | 23 22 | 23 28 | 14 6 | | | n.a. |
| T 16 | 8 37 | 22 21 | 1 29 | 1 59 | 2 43 | 4 45 | 0 49 | 16 20 | 1 6 | 24 58 | 1 3 | 23 33 | 1 5 | 22 6 | 0 45 | 2 20 | 2 9 | 35 37 | 16 33 | 23 22 | 23 28 | 14 8 | | | n.a. |
| W17 | 8 15 | 23 20 | 0 16 | 2 30 | 2 49 | 4 14 | 0 47 | 16 5 | 1 6 | 24 58 | 1 3 | 23 33 | 1 5 | 22 6 | 0 45 | 2 19 | 2 9 | 35 37 | 16 32 | 23 22 | 23 29 | 14 11 | | | n.a. |
| T 18 | 7 53 | 22 54 | 0n57 | 2 59 | 2 53 | 3 42 | 0 45 | 15 50 | 1 5 | 24 58 | 1 3 | 23 32 | 1 5 | 22 6 | 0 45 | 2 18 | 2 9 | 35 37 | 16 32 | 23 22 | 23 29 | 14 13 | | | n.a. |
| F 19 | 7 31 | 21 8 | 2 5 | 3 25 | 2 57 | 3 11 | 0 43 | 15 35 | 1 5 | 24 58 | 1 3 | 23 31 | 1 5 | 22 6 | 0 45 | 2 18 | 2 9 | 35 37 | 16 32 | 23 22 | 23 29 | 14 16 | | | n.a. |
| S 20 | 7 8 | 18 13 | 3 6 | 3 49 | 2 59 | 2 39 | 0 41 | 15 20 | 1 5 | 24 58 | 1 2 | 23 31 | 1 5 | 22 7 | 0 45 | 2 17 | 2 9 | 35 37 | 16 31 | 23 22 | 23 29 | 14 18 | | | n.a. |
| S 21 | 6 46 | 14 25 | 3 56 | 4 9 | 3 1 | 2 7 | 0 39 | 15 5 | 1 5 | 24 58 | 1 2 | 23 30 | 1 6 | 22 7 | 0 45 | 2 17 | 2 9 | 35 37 | 16 31 | 23 23 | 23 30 | 14 20 | | | n.a. |
| M22 | 6 23 | 10 0 | 4 32 | 4 26 | 3 2 | 1 36 | 0 37 | 14 50 | 1 5 | 24 58 | 1 2 | 23 29 | 1 6 | 22 7 | 0 45 | 2 16 | 2 9 | 35 37 | 16 31 | 23 24 | 23 30 | 14 23 | | | n.a. |
| T 23 | 6 0 | 5 14 | 4 55 | 4 41 | 3 2 | 1 4 | 0 35 | 14 35 | 1 5 | 24 57 | 1 2 | 23 29 | 1 6 | 22 7 | 0 45 | 2 16 | 2 9 | 35 37 | 16 31 | 23 25 | 23 30 | 14 25 | | | n.a. |
| W24 | 5 37 | 0 20 | 5 3 | 4 52 | 3 0 | 0 32 | 0 32 | 14 19 | 1 4 | 24 57 | 1 2 | 23 28 | 1 6 | 22 8 | 0 45 | 2 15 | 2 9 | 35 37 | 16 30 | 23 26 | 23 30 | 14 27 | | | n.a. |
| T 25 | 5 15 | 4s29 | 4 57 | 5 0 | 2 58 | 0n 0 | 0 30 | 14 4 | 1 4 | 24 57 | 1 2 | 23 27 | 1 6 | 22 8 | 0 45 | 2 14 | 2 9 | 35 37 | 16 30 | 23 27 | 23 31 | 14 29 | | | n.a. |
| F 26 | 4 52 | 9 5 | 4 37 | 5 5 | 2 54 | 0 32 | 0 28 | 13 48 | 1 4 | 24 57 | 1 2 | 23 27 | 1 6 | 22 8 | 0 45 | 2 14 | 2 9 | 35 37 | 16 30 | 23 28 | 23 31 | 14 32 | | | n.a. |
| S 27 | 4 29 | 13 18 | 4 6 | 5 7 | 2 49 | 1 4 | 0 26 | 13 32 | 1 4 | 24 57 | 1 2 | 23 26 | 1 7 | 22 8 | 0 45 | 2 13 | 2 9 | 35 37 | 16 29 | 23 28 | 23 31 | 14 34 | | | n.a. |
| S 28 | 4 6 | 16 58 | 3 24 | 5 6 | 2 43 | 1 36 | 0 23 | 13 16 | 1 4 | 24 57 | 1 2 | 23 26 | 1 7 | 22 9 | 0 45 | 2 13 | 2 9 | 35 37 | 16 29 | 23 29 | 23 31 | 14 36 | | | n.a. |
| M29 | 3 42 | 19 57 | 2 33 | 5 2 | 2 36 | 2 8 | 0 21 | 13 0 | 1 3 | 24 57 | 1 2 | 23 25 | 1 7 | 22 9 | 0 45 | 2 12 | 2 9 | 35 37 | 16 29 | 23 29 | 23 32 | 14 39 | | | n.a. |
| T 30 | 3 19 | 22 7 | 1 35 | 4 54 | 2 28 | 2 39 | 0 18 | 12 44 | 1 3 | 24 57 | 1 2 | 23 24 | 1 7 | 22 9 | 0 45 | 2 11 | 2 9 | 35 37 | 16 28 | 23 29 | 23 32 | 14 41 | | | n.a. |
| W31 | 2s56 | 23s18 | 0n33 | 4n44 | 2n19 | 3n11 | 0s16 | 12s28 | 1s 3 | 24n57 | 1n 2 | 23s24 | 1s 7 | 22n 9 | 0n45 | 2s11 | 2n 9 | 35n37 | 16n28 | 23n29 | 23n32 | 14s43 | | | n.a. |

Julian Day Number = 997191.5, Delta T = 12h55m29s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'39, Lahiri = -31°17'38 Julian Calendar 1 March 1983 BCE == Greg. Calendar 12 Feb. 1983 BCE

The year -1982 astronomical counting style corresponds to year 1983 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## APRIL 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 29 16 | 23♓42'11 | 16♉53 | 6°R20 | 9♈43 | 1♓18 | 29♊49 | 20♉48 | 25°R45 | 10°R16 | 3°R46 | 10°R43 | 9♋59 | 21♏26 | n.a. | T 1 |
| F 2 | 11 33 12 | 24°39'45 | 29°33 | 6♈ 6 | 10°56 | 2° 3 | 29°52 | 20°52 | 25♋45 | 10♎14 | 3♌45 | 10♋42 | 9°55 | 21°33 | n.a. | F 2 |
| S 3 | 11 37 9 | 25°37'18 | 12♒36 | 5°49 | 12° 9 | 2°47 | 29°56 | 20°57 | 25°44 | 10°13 | 3°44 | 10°38 | 9°52 | 21°40 | n.a. | S 3 |
| S 4 | 11 41 6 | 26°34'50 | 26° 6 | 5°27 | 13°23 | 3°30 | 29°59 | 21° 1 | 25°43 | 10°11 | 3°43 | 10°32 | 9°49 | 21°46 | n.a. | S 4 |
| M 5 | 11 45 2 | 27°32'20 | 10♓ 1 | 5° 3 | 14°36 | 4°14 | 0♋ 4 | 21° 6 | 25°42 | 10°10 | 3°43 | 10°24 | 9°46 | 21°53 | n.a. | M 5 |
| T 6 | 11 48 59 | 28°29'49 | 24°20 | 4°35 | 15°49 | 4°58 | 0° 8 | 21°10 | 25°41 | 10° 8 | 3°42 | 10°13 | 9°43 | 22° 0 | n.a. | T 6 |
| W 7 | 11 52 55 | 29°27'17 | 8♈56 | 4° 5 | 17° 3 | 5°42 | 0°12 | 21°14 | 25°40 | 10° 6 | 3°41 | 10° 2 | 9°39 | 22° 6 | n.a. | W 7 |
| T 8 | 11 56 52 | 0♈24'44 | 23°43 | 3°33 | 18°16 | 6°26 | 0°17 | 21°18 | 25°40 | 10° 5 | 3°40 | 9°52 | 9°36 | 22°13 | n.a. | T 8 |
| F 9 | 12 0 48 | 1°22'09 | 8♉31 | 3° 0 | 19°29 | 7° 9 | 0°22 | 21°22 | 25°39 | 10° 3 | 3°40 | 9°43 | 9°33 | 22°20 | n.a. | F 9 |
| S 10 | 12 4 45 | 2°19'33 | 23°14 | 2°26 | 20°42 | 7°53 | 0°26 | 21°27 | 25°39 | 10° 2 | 3°39 | 9°36 | 9°30 | 22°26 | n.a. | S 10 |
| S 11 | 12 8 41 | 3°16'56 | 7♊44 | 1°51 | 21°56 | 8°37 | 0°31 | 21°30 | 25°38 | 10° 0 | 3°38 | 9°32 | 9°27 | 22°33 | n.a. | S 11 |
| M12 | 12 12 38 | 4°14'17 | 21°59 | 1°18 | 23° 9 | 9°20 | 0°36 | 21°34 | 25°38 | 9°58 | 3°38 | 9°31 | 9°24 | 22°40 | n.a. | M12 |
| T 13 | 12 16 35 | 5°11'37 | 5♋56 | 0°45 | 24°22 | 10° 3 | 0°42 | 21°38 | 25°37 | 9°57 | 3°37 | 9°30 | 9°20 | 22°46 | n.a. | T 13 |
| W14 | 12 20 31 | 6° 8'55 | 19°37 | 0°13 | 25°35 | 10°47 | 0°47 | 21°42 | 25°37 | 9°55 | 3°36 | 9°30 | 9°17 | 22°53 | n.a. | W14 |
| T 15 | 12 24 28 | 7° 6'13 | 3♌ 2 | 29♓44 | 26°48 | 11°30 | 0°53 | 21°45 | 25°37 | 9°54 | 3°36 | 9°29 | 9°14 | 23° 0 | n.a. | T 15 |
| F 16 | 12 28 24 | 8° 3'29 | 16°13 | 29°17 | 28° 1 | 12°13 | 0°58 | 21°49 | 25°36 | 9°52 | 3°35 | 9°26 | 9°11 | 23° 7 | n.a. | F 16 |
| S 17 | 12 32 21 | 9° 0'43 | 29°11 | 28°53 | 29°15 | 12°57 | 1° 4 | 21°52 | 25°36 | 9°50 | 3°35 | 9°20 | 9° 8 | 23°13 | n.a. | S 17 |
| S 18 | 12 36 17 | 9°57'57 | 11♍58 | 28°33 | 0♉28 | 13°40 | 1°10 | 21°56 | 25°36 | 9°49 | 3°35 | 9°11 | 9° 5 | 23°20 | n.a. | S 18 |
| M19 | 12 40 14 | 10°55'09 | 24°34 | 28°16 | 1°41 | 14°23 | 1°17 | 21°59 | 25°36 | 9°47 | 3°34 | 8°59 | 9° 1 | 23°27 | n.a. | M19 |
| T 20 | 12 44 10 | 11°52'21 | 6♎59 | 28° 3 | 2°54 | 15° 6 | 1°23 | 22° 2 | 25°D36 | 9°45 | 3°34 | 8°46 | 8°58 | 23°33 | n.a. | T 20 |
| W21 | 12 48 7 | 12°49'31 | 19°15 | 27°54 | 4° 7 | 15°49 | 1°29 | 22° 5 | 25°36 | 9°44 | 3°33 | 8°33 | 8°55 | 23°40 | n.a. | W21 |
| T 22 | 12 52 4 | 13°46'41 | 1♏21 | 27°49 | 5°20 | 16°32 | 1°36 | 22° 8 | 25°36 | 9°42 | 3°33 | 8°20 | 8°52 | 23°47 | n.a. | T 22 |
| F 23 | 12 56 0 | 14°43'51 | 13°19 | 27°D49 | 6°32 | 17°15 | 1°42 | 22°11 | 25°36 | 9°41 | 3°33 | 8° 9 | 8°49 | 23°53 | n.a. | F 23 |
| S 24 | 12 59 57 | 15°40'59 | 25°12 | 27°54 | 7°45 | 17°57 | 1°49 | 22°14 | 25°36 | 9°39 | 3°33 | 8° 1 | 8°45 | 24° 0 | n.a. | S 24 |
| S 25 | 13 3 53 | 16°38'07 | 7♐ 1 | 28° 3 | 8°58 | 18°40 | 1°56 | 22°16 | 25°37 | 9°37 | 3°32 | 7°55 | 8°42 | 24° 7 | n.a. | S 25 |
| M26 | 13 7 50 | 17°35'15 | 18°50 | 28°16 | 10°11 | 19°23 | 2° 3 | 22°19 | 25°37 | 9°36 | 3°32 | 7°51 | 8°39 | 24°13 | n.a. | M26 |
| T 27 | 13 11 46 | 18°32'23 | 0♑44 | 28°34 | 11°24 | 20° 5 | 2°11 | 22°21 | 25°37 | 9°34 | 3°32 | 7°50 | 8°36 | 24°20 | n.a. | T 27 |
| W28 | 13 15 43 | 19°29'30 | 12°47 | 28°57 | 12°37 | 20°48 | 2°18 | 22°24 | 25°38 | 9°33 | 3°32 | 7°D50 | 8°33 | 24°27 | n.a. | W28 |
| T 29 | 13 19 39 | 20°26'36 | 25° 5 | 29°23 | 13°50 | 21°31 | 2°25 | 22°26 | 25°38 | 9°31 | 3°32 | 7°R50 | 8°30 | 24°33 | n.a. | T 29 |
| F 30 | 13 23 36 | 21♈23'43 | 7♒43 | 29♓55 | 15♉ 2 | 22♓13 | 2♋33 | 22♉28 | 25♋39 | 9♎29 | 3♌32 | 7♋49 | 8♋26 | 24♏40 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s33 | 23s22 | 0s33 | 4n31 | 2n 8 | 3n43 | 0s14 | 12s12 | 1s 3 | 24n57 | 1n 1 | 23s23 | 1s 7 | 22n 9 | 0n45 | 2s10 | 2n 9 | 35n37 | 16n28 | 23n29 | 23n32 | 14s46 | | n.a. |
| F 2 | 2 10 | 22 15 | 1 38 | 4 15 | 1 56 | 4 14 | 0 11 | 11 56 | 1 2 | 24 57 | 1 1 | 23 23 | 1 8 | 22 9 | 0 45 | 2 9 | 2 9 | 35 37 | 16 27 | 23 29 | 23 33 | 14 48 | | n.a. |
| S 3 | 1 46 | 19 56 | 2 41 | 3 56 | 1 44 | 4 46 | 0 9 | 11 39 | 1 2 | 24 57 | 1 1 | 23 22 | 1 8 | 22 10 | 0 45 | 2 9 | 2 9 | 35 36 | 16 27 | 23 29 | 23 33 | 14 50 | | n.a. |
| S 4 | 1 23 | 16 27 | 3 36 | 3 35 | 1 30 | 5 17 | 0 6 | 11 23 | 1 2 | 24 57 | 1 1 | 23 22 | 1 8 | 22 10 | 0 45 | 2 8 | 2 9 | 35 36 | 16 26 | 23 30 | 23 33 | 14 53 | | n.a. |
| M 5 | 1 0 | 11 58 | 4 20 | 3 12 | 1 16 | 5 49 | 0 4 | 11 6 | 1 2 | 24 56 | 1 1 | 23 21 | 1 8 | 22 10 | 0 45 | 2 7 | 2 9 | 35 36 | 16 26 | 23 30 | 23 33 | 14 55 | | n.a. |
| T 6 | 0 37 | 6 42 | 4 50 | 2 47 | 1 0 | 6 20 | 0 1 | 10 50 | 1 1 | 24 56 | 1 1 | 23 21 | 1 8 | 22 10 | 0 45 | 2 7 | 2 9 | 35 36 | 16 26 | 23 31 | 23 34 | 14 57 | | n.a. |
| W 7 | 0 13 | 0 59 | 5 1 | 2 20 | 0 45 | 6 51 | 0n 1 | 10 33 | 1 1 | 24 56 | 1 1 | 23 20 | 1 9 | 22 10 | 0 45 | 2 6 | 2 9 | 35 36 | 16 25 | 23 32 | 23 34 | 15 0 | | n.a. |
| T 8 | 0n10 | 4n52 | 4 52 | 1 52 | 0 28 | 7 22 | 0 4 | 10 16 | 1 1 | 24 56 | 1 1 | 23 20 | 1 9 | 22 10 | 0 45 | 2 6 | 2 9 | 35 36 | 16 25 | 23 33 | 23 34 | 15 2 | | n.a. |
| F 9 | 0 33 | 10 28 | 4 24 | 1 24 | 0 12 | 7 52 | 0 6 | 9 59 | 1 0 | 24 56 | 1 1 | 23 19 | 1 9 | 22 10 | 0 45 | 2 5 | 2 9 | 35 35 | 16 24 | 23 34 | 23 34 | 15 4 | | n.a. |
| S 10 | 0 57 | 15 26 | 3 39 | 0 54 | 0s 5 | 8 23 | 0 9 | 9 42 | 1 0 | 24 56 | 1 1 | 23 19 | 1 9 | 22 10 | 0 45 | 2 4 | 2 9 | 35 35 | 16 24 | 23 34 | 23 34 | 15 6 | | n.a. |
| S 11 | 1 20 | 19 25 | 2 40 | 0 25 | 0 22 | 8 53 | 0 12 | 9 26 | 1 0 | 24 56 | 1 1 | 23 18 | 1 9 | 22 10 | 0 45 | 2 4 | 2 9 | 35 35 | 16 24 | 23 34 | 23 35 | 15 9 | | n.a. |
| M12 | 1 43 | 22 9 | 1 31 | 0s 4 | 0 39 | 9 23 | 0 14 | 9 9 | 0 59 | 24 56 | 1 1 | 23 18 | 1 9 | 22 10 | 0 44 | 2 3 | 2 9 | 35 35 | 16 23 | 23 34 | 23 35 | 15 11 | | n.a. |
| T 13 | 2 6 | 23 28 | 0 19 | 0 33 | 0 56 | 9 53 | 0 17 | 8 52 | 0 59 | 24 56 | 1 0 | 23 17 | 1 10 | 22 10 | 0 44 | 2 2 | 2 9 | 35 34 | 16 23 | 23 34 | 23 35 | 15 13 | | n.a. |
| W14 | 2 29 | 23 20 | 0n53 | 1 0 | 1 12 | 10 23 | 0 19 | 8 35 | 0 59 | 24 56 | 1 0 | 23 17 | 1 10 | 22 10 | 0 44 | 2 2 | 2 9 | 35 34 | 16 22 | 23 34 | 23 35 | 15 16 | | n.a. |
| T 15 | 2 52 | 21 50 | 2 1 | 1 26 | 1 27 | 10 53 | 0 22 | 8 17 | 0 59 | 24 55 | 1 0 | 23 17 | 1 10 | 22 10 | 0 44 | 2 1 | 2 9 | 35 34 | 16 22 | 23 35 | 23 36 | 15 18 | | n.a. |
| F 16 | 3 16 | 19 10 | 3 1 | 1 51 | 1 42 | 11 22 | 0 24 | 8 0 | 0 58 | 24 55 | 1 0 | 23 16 | 1 10 | 22 10 | 0 44 | 2 0 | 2 9 | 35 34 | 16 22 | 23 35 | 23 36 | 15 20 | | n.a. |
| S 17 | 3 39 | 15 34 | 3 50 | 2 14 | 1 57 | 11 51 | 0 27 | 7 43 | 0 58 | 24 55 | 1 0 | 23 16 | 1 10 | 22 10 | 0 44 | 2 0 | 2 9 | 35 33 | 16 21 | 23 35 | 23 36 | 15 22 | | n.a. |
| S 18 | 4 1 | 11 19 | 4 27 | 2 34 | 2 10 | 12 19 | 0 30 | 7 26 | 0 58 | 24 55 | 1 0 | 23 15 | 1 11 | 22 10 | 0 44 | 1 59 | 2 9 | 35 33 | 16 21 | 23 36 | 23 36 | 15 25 | | n.a. |
| M19 | 4 24 | 6 38 | 4 51 | 2 52 | 2 22 | 12 48 | 0 32 | 7 9 | 0 57 | 24 55 | 1 0 | 23 15 | 1 11 | 22 10 | 0 44 | 1 58 | 2 9 | 35 33 | 16 20 | 23 37 | 23 36 | 15 27 | | n.a. |
| T 20 | 4 47 | 1 45 | 5 0 | 3 8 | 2 34 | 13 16 | 0 35 | 6 51 | 0 57 | 24 55 | 1 0 | 23 15 | 1 11 | 22 10 | 0 44 | 1 58 | 2 9 | 35 32 | 16 20 | 23 38 | 23 37 | 15 29 | | n.a. |
| W21 | 5 10 | 3s 9 | 4 55 | 3 21 | 2 44 | 13 43 | 0 37 | 6 34 | 0 56 | 24 55 | 1 0 | 23 15 | 1 11 | 22 10 | 0 44 | 1 57 | 2 9 | 35 32 | 16 19 | 23 38 | 23 37 | 15 31 | | n.a. |
| T 22 | 5 33 | 7 52 | 4 37 | 3 32 | 2 54 | 14 11 | 0 40 | 6 17 | 0 56 | 24 54 | 1 0 | 23 14 | 1 11 | 22 10 | 0 44 | 1 57 | 2 9 | 35 32 | 16 19 | 23 39 | 23 37 | 15 34 | | n.a. |
| F 23 | 5 55 | 12 15 | 4 6 | 3 39 | 3 2 | 14 38 | 0 42 | 5 59 | 0 56 | 24 54 | 1 0 | 23 14 | 1 12 | 22 10 | 0 44 | 1 56 | 2 9 | 35 31 | 16 18 | 23 40 | 23 37 | 15 36 | | n.a. |
| S 24 | 6 18 | 16 8 | 3 25 | 3 44 | 3 9 | 15 5 | 0 45 | 5 42 | 0 55 | 24 54 | 1 0 | 23 14 | 1 12 | 22 10 | 0 44 | 1 55 | 2 9 | 35 31 | 16 18 | 23 40 | 23 38 | 15 38 | | n.a. |
| S 25 | 6 40 | 19 22 | 2 35 | 3 46 | 3 15 | 15 31 | 0 47 | 5 25 | 0 55 | 24 54 | 1 0 | 23 13 | 1 12 | 22 10 | 0 44 | 1 55 | 2 9 | 35 31 | 16 18 | 23 41 | 23 38 | 15 41 | | n.a. |
| M26 | 7 2 | 21 48 | 1 39 | 3 45 | 3 20 | 15 57 | 0 49 | 5 7 | 0 55 | 24 54 | 0 59 | 23 13 | 1 12 | 22 10 | 0 44 | 1 54 | 2 9 | 35 30 | 16 17 | 23 41 | 23 38 | 15 43 | | n.a. |
| T 27 | 7 24 | 23 18 | 0 38 | 3 42 | 3 24 | 16 22 | 0 52 | 4 50 | 0 54 | 24 54 | 0 59 | 23 13 | 1 12 | 22 10 | 0 44 | 1 53 | 2 9 | 35 30 | 16 17 | 23 41 | 23 38 | 15 45 | | n.a. |
| W28 | 7 47 | 23 44 | 0s26 | 3 35 | 3 27 | 16 48 | 0 54 | 4 32 | 0 54 | 24 53 | 0 59 | 23 13 | 1 13 | 22 10 | 0 44 | 1 53 | 2 9 | 35 29 | 16 16 | 23 41 | 23 38 | 15 47 | | n.a. |
| T 29 | 8 9 | 23 1 | 1 30 | 3 26 | 3 29 | 17 12 | 0 57 | 4 15 | 0 53 | 24 53 | 0 59 | 23 13 | 1 13 | 22 10 | 0 44 | 1 52 | 2 9 | 35 29 | 16 16 | 23 41 | 23 39 | 15 50 | | n.a. |
| F 30 | 8n30 | 21s 9 | 2s32 | 3s14 | 3s30 | 17n37 | 0n59 | 3s57 | 0s53 | 24n53 | 0n59 | 23s12 | 1s13 | 22n10 | 0n44 | 1s52 | 2n 9 | 35n29 | 16n15 | 23n41 | 23n39 | 15s52 | | n.a. |

Julian Day Number = 997222.5, Delta T = 12h55m27s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'35, Lahiri = -31°17'34 Julian Calendar 1 Apr. 1983 BCE == Greg. Calendar 15 March 1983 BCE


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## MAY 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 27 33 | 22♈20'49 | 20♒46 | 0♈30 | 16♉15 | 22♓55 | 2♋41 | 22♑31 | 25♋39 | 9°R28 | 3°D32 | 7°R46 | 8♋23 | 24♏47 | n.a. | S 1 |
| S 2 | 13 31 29 | 23°17'55 | 4♓17 | 1°10 | 17°28 | 23°38 | 2°49 | 22°33 | 25°40 | 9♎26 | 3♌32 | 7♋41 | 8°20 | 24°53 | n.a. | S 2 |
| M 3 | 13 35 26 | 24°15'01 | 18°16 | 1°54 | 18°41 | 24°20 | 2°57 | 22°34 | 25°40 | 9°25 | 3°32 | 7°34 | 8°17 | 25° 0 | n.a. | M 3 |
| T 4 | 13 39 22 | 25°12'06 | 2♈43 | 2°42 | 19°53 | 25° 2 | 3° 5 | 22°36 | 25°41 | 9°23 | 3°32 | 7°24 | 8°14 | 25° 7 | n.a. | T 4 |
| W 5 | 13 43 19 | 26° 9'11 | 17°32 | 3°34 | 21° 6 | 25°44 | 3°13 | 22°38 | 25°42 | 9°22 | 3°32 | 7°14 | 8°10 | 25°14 | n.a. | W 5 |
| T 6 | 13 47 15 | 27° 6'16 | 2♉36 | 4°30 | 22°19 | 26°26 | 3°21 | 22°40 | 25°43 | 9°20 | 3°32 | 7° 4 | 8° 7 | 25°20 | n.a. | T 6 |
| F 7 | 13 51 12 | 28° 3'21 | 17°43 | 5°30 | 23°31 | 27° 8 | 3°30 | 22°41 | 25°44 | 9°19 | 3°32 | 6°56 | 8° 4 | 25°27 | n.a. | F 7 |
| S 8 | 13 55 8 | 29° 0'26 | 2♊45 | 6°33 | 24°44 | 27°50 | 3°38 | 22°43 | 25°44 | 9°17 | 3°32 | 6°50 | 8° 1 | 25°34 | n.a. | S 8 |
| S 9 | 13 59 5 | 29°57'30 | 17°33 | 7°40 | 25°56 | 28°32 | 3°47 | 22°44 | 25°45 | 9°16 | 3°33 | 6°46 | 7°58 | 25°40 | n.a. | S 9 |
| M10 | 14 3 2 | 0♉54'33 | 2♋ 2 | 8°51 | 27° 9 | 29°14 | 3°56 | 22°45 | 25°46 | 9°14 | 3°33 | 6°D45 | 7°55 | 25°47 | n.a. | M10 |
| T 11 | 14 6 58 | 1°51'37 | 16° 8 | 10° 6 | 28°21 | 29°56 | 4° 5 | 22°46 | 25°48 | 9°13 | 3°33 | 6°45 | 7°51 | 25°54 | n.a. | T 11 |
| W12 | 14 10 55 | 2°48'39 | 29°50 | 11°24 | 29°34 | 0♈38 | 4°14 | 22°47 | 25°49 | 9°11 | 3°34 | 6°R46 | 7°48 | 26° 0 | n.a. | W12 |
| T 13 | 14 14 51 | 3°45'42 | 13♌12 | 12°45 | 0♊46 | 1°19 | 4°23 | 22°48 | 25°50 | 9°10 | 3°34 | 6°45 | 7°45 | 26° 7 | n.a. | T 13 |
| F 14 | 14 18 48 | 4°42'44 | 26°15 | 14°11 | 1°59 | 2° 1 | 4°32 | 22°49 | 25°51 | 9° 8 | 3°34 | 6°43 | 7°42 | 26°14 | n.a. | F 14 |
| S 15 | 14 22 44 | 5°39'45 | 9♍ 1 | 15°39 | 3°11 | 2°43 | 4°41 | 22°50 | 25°52 | 9° 7 | 3°35 | 6°39 | 7°39 | 26°20 | n.a. | S 15 |
| S 16 | 14 26 41 | 6°36'47 | 21°34 | 17°11 | 4°24 | 3°24 | 4°51 | 22°51 | 25°54 | 9° 6 | 3°35 | 6°32 | 7°36 | 26°27 | n.a. | S 16 |
| M17 | 14 30 38 | 7°33'48 | 3♎56 | 18°46 | 5°36 | 4° 5 | 5° 0 | 22°51 | 25°55 | 9° 4 | 3°36 | 6°23 | 7°32 | 26°34 | n.a. | M17 |
| T 18 | 14 34 34 | 8°30'49 | 16° 8 | 20°25 | 6°48 | 4°47 | 5°10 | 22°52 | 25°56 | 9° 3 | 3°36 | 6°13 | 7°29 | 26°40 | n.a. | T 18 |
| W19 | 14 38 31 | 9°27'51 | 28°12 | 22° 7 | 8° 0 | 5°28 | 5°19 | 22°52 | 25°58 | 9° 1 | 3°37 | 6° 3 | 7°26 | 26°47 | n.a. | W19 |
| T 20 | 14 42 27 | 10°24'52 | 10♏10 | 23°51 | 9°13 | 6° 9 | 5°29 | 22°52 | 25°59 | 9° 0 | 3°37 | 5°53 | 7°23 | 26°54 | n.a. | T 20 |
| F 21 | 14 46 24 | 11°21'54 | 22° 3 | 25°39 | 10°25 | 6°51 | 5°39 | 22°52 | 26° 1 | 8°59 | 3°38 | 5°44 | 7°20 | 27° 0 | n.a. | F 21 |
| S 22 | 14 50 20 | 12°18'56 | 3♐52 | 27°30 | 11°37 | 7°32 | 5°49 | 22°R52 | 26° 3 | 8°58 | 3°39 | 5°37 | 7°16 | 27° 7 | n.a. | S 22 |
| S 23 | 14 54 17 | 13°15'58 | 15°41 | 29°24 | 12°49 | 8°13 | 5°59 | 22°52 | 26° 4 | 8°56 | 3°39 | 5°33 | 7°13 | 27°14 | n.a. | S 23 |
| M24 | 14 58 14 | 14°13'01 | 27°31 | 1♑20 | 14° 1 | 8°54 | 6° 9 | 22°52 | 26° 6 | 8°55 | 3°40 | 5°31 | 7°10 | 27°20 | n.a. | M24 |
| T 25 | 15 2 10 | 15°10'04 | 9♑27 | 3°19 | 15°13 | 9°35 | 6°20 | 22°52 | 26° 8 | 8°54 | 3°41 | 5°D31 | 7° 7 | 27°27 | n.a. | T 25 |
| W26 | 15 6 7 | 16° 7'08 | 21°31 | 5°20 | 16°25 | 10°16 | 6°30 | 22°51 | 26°10 | 8°53 | 3°42 | 5°32 | 7° 4 | 27°34 | n.a. | W26 |
| T 27 | 15 10 3 | 17° 4'13 | 3♒50 | 7°23 | 17°37 | 10°56 | 6°40 | 22°51 | 26°12 | 8°51 | 3°42 | 5°33 | 7° 1 | 27°41 | n.a. | T 27 |
| F 28 | 15 14 0 | 18° 1'18 | 16°27 | 9°27 | 18°49 | 11°37 | 6°51 | 22°50 | 26°13 | 8°50 | 3°43 | 5°R34 | 6°57 | 27°47 | n.a. | F 28 |
| S 29 | 15 17 56 | 18°58'24 | 29°26 | 11°33 | 20° 1 | 12°18 | 7° 1 | 22°50 | 26°15 | 8°49 | 3°44 | 5°33 | 6°54 | 27°54 | n.a. | S 29 |
| S 30 | 15 21 53 | 19°55'31 | 12♓52 | 13°40 | 21°13 | 12°58 | 7°12 | 22°49 | 26°17 | 8°48 | 3°45 | 5°31 | 6°51 | 28° 1 | n.a. | S 30 |
| M31 | 15 25 49 | 20♉52'38 | 26♓47 | 15♉47 | 22♊25 | 13♈39 | 7♋23 | 22♑48 | 26♋19 | 8♎47 | 3♌46 | 5♋27 | 6♋48 | 28♏ 7 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n52 | 18s 7 | 3s27 | 3s 0 | 3s30 | 18n 0 | 1n 1 | 3s40 | 0s53 | 24n53 | 0n59 | 23s12 | 1s13 | 22n 9 | 0n44 | 1s51 | 2n 9 | 35n28 | 16n15 | 23n41 | 23n39 | 15s54 | | n.a. |
| S 2 | 9 14 | 14 3 | 4 13 | 2 43 | 3 29 | 18 24 | 1 3 | 3 23 | 0 52 | 24 53 | 0 59 | 23 12 | 1 14 | 22 9 | 0 44 | 1 50 | 2 9 | 35 28 | 16 14 | 23 42 | 23 39 | 15 56 | | n.a. |
| M 3 | 9 35 | 9 5 | 4 45 | 2 23 | 3 27 | 18 47 | 1 6 | 3 5 | 0 52 | 24 52 | 0 59 | 23 12 | 1 14 | 22 9 | 0 44 | 1 50 | 2 9 | 35 27 | 16 14 | 23 42 | 23 39 | 15 59 | | n.a. |
| T 4 | 9 57 | 3 29 | 5 1 | 2 2 | 3 25 | 19 9 | 1 8 | 2 48 | 0 51 | 24 52 | 0 59 | 23 12 | 1 14 | 22 9 | 0 44 | 1 49 | 2 9 | 35 27 | 16 13 | 23 43 | 23 40 | 16 1 | | n.a. |
| W 5 | 10 18 | 2n27 | 4 57 | 1 37 | 3 21 | 19 31 | 1 10 | 2 30 | 0 51 | 24 52 | 0 59 | 23 12 | 1 14 | 22 9 | 0 44 | 1 48 | 2 9 | 35 26 | 16 13 | 23 43 | 23 40 | 16 3 | | n.a. |
| T 6 | 10 39 | 8 21 | 4 33 | 1 11 | 3 17 | 19 52 | 1 12 | 2 13 | 0 51 | 24 52 | 0 59 | 23 12 | 1 14 | 22 9 | 0 44 | 1 48 | 2 9 | 35 26 | 16 12 | 23 44 | 23 40 | 16 5 | | n.a. |
| F 7 | 11 0 | 13 47 | 3 50 | 0 42 | 3 12 | 20 13 | 1 14 | 1 55 | 0 50 | 24 51 | 0 59 | 23 12 | 1 15 | 22 8 | 0 44 | 1 47 | 2 9 | 35 25 | 16 12 | 23 44 | 23 40 | 16 7 | | n.a. |
| S 8 | 11 20 | 18 21 | 2 50 | 0 12 | 3 7 | 20 34 | 1 16 | 1 38 | 0 50 | 24 51 | 0 59 | 23 12 | 1 15 | 22 8 | 0 44 | 1 47 | 2 9 | 35 25 | 16 11 | 23 45 | 23 40 | 16 10 | | n.a. |
| S 9 | 11 41 | 21 40 | 1 40 | 0n21 | 3 0 | 20 53 | 1 18 | 1 20 | 0 49 | 24 51 | 0 59 | 23 12 | 1 15 | 22 8 | 0 44 | 1 46 | 2 9 | 35 24 | 16 11 | 23 45 | 23 41 | 16 12 | | n.a. |
| M10 | 12 1 | 23 29 | 0 25 | 0 56 | 2 53 | 21 13 | 1 20 | 1 3 | 0 49 | 24 50 | 0 59 | 23 12 | 1 15 | 22 8 | 0 44 | 1 46 | 2 9 | 35 24 | 16 10 | 23 45 | 23 41 | 16 14 | | n.a. |
| T 11 | 12 22 | 23 45 | 0n50 | 1 33 | 2 46 | 21 31 | 1 22 | 0 46 | 0 48 | 24 50 | 0 59 | 23 12 | 1 15 | 22 8 | 0 43 | 1 45 | 2 9 | 35 23 | 16 10 | 23 45 | 23 41 | 16 16 | | n.a. |
| W12 | 12 42 | 22 33 | 2 0 | 2 11 | 2 38 | 21 50 | 1 24 | 0 28 | 0 48 | 24 50 | 0 58 | 23 12 | 1 16 | 22 7 | 0 43 | 1 44 | 2 9 | 35 23 | 16 10 | 23 45 | 23 41 | 16 19 | | n.a. |
| T 13 | 13 1 | 20 5 | 3 2 | 2 52 | 2 29 | 22 7 | 1 25 | 0 11 | 0 47 | 24 49 | 0 58 | 23 12 | 1 16 | 22 7 | 0 43 | 1 44 | 2 9 | 35 22 | 16 9 | 23 45 | 23 41 | 16 21 | | n.a. |
| F 14 | 13 21 | 16 39 | 3 52 | 3 34 | 2 20 | 22 24 | 1 27 | 0n 6 | 0 47 | 24 49 | 0 58 | 23 12 | 1 16 | 22 7 | 0 43 | 1 43 | 2 9 | 35 21 | 16 9 | 23 45 | 23 42 | 16 23 | | n.a. |
| S 15 | 13 40 | 12 30 | 4 30 | 4 17 | 2 10 | 22 40 | 1 29 | 0 23 | 0 46 | 24 48 | 0 58 | 23 12 | 1 16 | 22 6 | 0 43 | 1 43 | 2 9 | 35 21 | 16 8 | 23 45 | 23 42 | 16 25 | | n.a. |
| S 16 | 14 0 | 7 54 | 4 54 | 5 2 | 2 0 | 22 56 | 1 31 | 0 41 | 0 46 | 24 48 | 0 58 | 23 12 | 1 16 | 22 6 | 0 43 | 1 42 | 2 9 | 35 20 | 16 8 | 23 45 | 23 42 | 16 27 | | n.a. |
| M17 | 14 19 | 3 3 | 5 4 | 5 49 | 1 49 | 23 11 | 1 32 | 0 58 | 0 45 | 24 48 | 0 58 | 23 12 | 1 17 | 22 6 | 0 43 | 1 42 | 2 9 | 35 20 | 16 7 | 23 46 | 23 42 | 16 30 | | n.a. |
| T 18 | 14 38 | 1s52 | 5 0 | 6 37 | 1 39 | 23 25 | 1 34 | 1 15 | 0 45 | 24 47 | 0 58 | 23 12 | 1 17 | 22 6 | 0 43 | 1 41 | 2 9 | 35 19 | 16 7 | 23 46 | 23 42 | 16 32 | | n.a. |
| W19 | 14 56 | 6 40 | 4 42 | 7 26 | 1 28 | 23 39 | 1 35 | 1 32 | 0 44 | 24 47 | 0 58 | 23 12 | 1 17 | 22 5 | 0 43 | 1 41 | 2 9 | 35 19 | 16 6 | 23 47 | 23 43 | 16 34 | | n.a. |
| T 20 | 15 14 | 11 10 | 4 12 | 8 16 | 1 16 | 23 52 | 1 36 | 1 49 | 0 44 | 24 46 | 0 58 | 23 13 | 1 17 | 22 5 | 0 43 | 1 40 | 2 9 | 35 18 | 16 6 | 23 47 | 23 43 | 16 36 | | n.a. |
| F 21 | 15 33 | 15 15 | 3 32 | 9 7 | 1 5 | 24 4 | 1 38 | 2 6 | 0 43 | 24 46 | 0 58 | 23 13 | 1 18 | 22 5 | 0 43 | 1 40 | 2 9 | 35 17 | 16 5 | 23 48 | 23 43 | 16 38 | | n.a. |
| S 22 | 15 50 | 18 42 | 2 42 | 9 58 | 0 53 | 24 16 | 1 39 | 2 23 | 0 43 | 24 45 | 0 58 | 23 13 | 1 18 | 22 4 | 0 43 | 1 39 | 2 9 | 35 17 | 16 5 | 23 48 | 23 43 | 16 41 | | n.a. |
| S 23 | 16 8 | 21 24 | 1 45 | 10 50 | 0 42 | 24 27 | 1 40 | 2 40 | 0 42 | 24 45 | 0 58 | 23 13 | 1 18 | 22 4 | 0 43 | 1 39 | 2 9 | 35 16 | 16 4 | 23 48 | 23 43 | 16 43 | | n.a. |
| M24 | 16 26 | 23 11 | 0 43 | 11 42 | 0 30 | 24 37 | 1 41 | 2 57 | 0 42 | 24 44 | 0 58 | 23 13 | 1 18 | 22 4 | 0 43 | 1 38 | 2 9 | 35 15 | 16 4 | 23 48 | 23 43 | 16 45 | | n.a. |
| T 25 | 16 43 | 23 56 | 0s21 | 12 35 | 0 18 | 24 47 | 1 42 | 3 14 | 0 41 | 24 44 | 0 58 | 23 14 | 1 18 | 22 3 | 0 43 | 1 38 | 2 9 | 35 15 | 16 3 | 23 48 | 23 44 | 16 47 | | n.a. |
| W26 | 17 0 | 23 34 | 1 25 | 13 27 | 0 7 | 24 56 | 1 43 | 3 31 | 0 41 | 24 43 | 0 58 | 23 14 | 1 19 | 22 3 | 0 43 | 1 38 | 2 8 | 35 14 | 16 3 | 23 48 | 23 44 | 16 49 | | n.a. |
| T 27 | 17 16 | 22 4 | 2 27 | 14 19 | 0n 4 | 25 4 | 1 44 | 3 48 | 0 40 | 24 43 | 0 58 | 23 14 | 1 19 | 22 2 | 0 43 | 1 37 | 2 8 | 35 14 | 16 3 | 23 48 | 23 44 | 16 52 | | n.a. |
| F 28 | 17 33 | 19 27 | 3 23 | 15 10 | 0 15 | 25 11 | 1 45 | 4 5 | 0 40 | 24 42 | 0 58 | 23 15 | 1 19 | 22 2 | 0 43 | 1 37 | 2 8 | 35 13 | 16 2 | 23 48 | 23 44 | 16 54 | | n.a. |
| S 29 | 17 49 | 15 48 | 4 10 | 16 0 | 0 26 | 25 18 | 1 46 | 4 21 | 0 39 | 24 42 | 0 58 | 23 15 | 1 19 | 22 2 | 0 43 | 1 36 | 2 8 | 35 12 | 16 2 | 23 48 | 23 44 | 16 56 | | n.a. |
| S 30 | 18 5 | 11 14 | 4 46 | 16 49 | 0 36 | 25 24 | 1 47 | 4 38 | 0 39 | 24 41 | 0 58 | 23 15 | 1 20 | 22 1 | 0 43 | 1 36 | 2 8 | 35 12 | 16 1 | 23 48 | 23 44 | 16 58 | | n.a. |
| M31 | 18n20 | 5s58 | 5s 6 | 17n37 | 0n45 | 25n29 | 1n47 | 4n54 | 0s38 | 24n40 | 0n58 | 23s16 | 1s20 | 22n 1 | 0n43 | 1s35 | 2n 8 | 35n11 | 16n 1 | 23n48 | 23n45 | 17s 0 | | n.a. |

Julian Day Number = 997252.5, Delta T = 12h55m25s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'31, Lahiri = -31°17'30 Julian Calendar 1 May 1983 BCE == Greg. Calendar 14 Apr. 1983 BCE

The year -1982 astronomical counting style corresponds to year 1983 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## JUNE 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 29 46 | 21♉49'47 | 11♈10 | 17♉56 | 23♊37 | 14♈20 | 7♋33 | 22°R47 | 26♋22 | 8°R46 | 3♏47 | 5°R21 | 6♋45 | 28♏14 | n.a. | T 1 |
| W 2 | 15 33 43 | 22°46'56 | 25°57 | 20° 4 | 24°49 | 15° 0 | 7°44 | 22♌46 | 26°24 | 8♎45 | 3°48 | 5♋15 | 6°42 | 28°21 | n.a. | W 2 |
| T 3 | 15 37 39 | 23°44'06 | 11♉ 3 | 22°12 | 26° 1 | 15°40 | 7°55 | 22°45 | 26°26 | 8°44 | 3°49 | 5° 9 | 6°38 | 28°27 | n.a. | T 3 |
| F 4 | 15 41 36 | 24°41'17 | 26°17 | 24°20 | 27°12 | 16°21 | 8° 6 | 22°43 | 26°28 | 8°43 | 3°50 | 5° 4 | 6°35 | 28°34 | n.a. | F 4 |
| S 5 | 15 45 32 | 25°38'28 | 11♊29 | 26°28 | 28°24 | 17° 1 | 8°17 | 22°42 | 26°30 | 8°42 | 3°51 | 5° 0 | 6°32 | 28°41 | n.a. | S 5 |
| S 6 | 15 49 29 | 26°35'40 | 26°30 | 28°34 | 29°36 | 17°41 | 8°29 | 22°41 | 26°33 | 8°41 | 3°52 | 4°59 | 6°29 | 28°47 | n.a. | S 6 |
| M 7 | 15 53 25 | 27°32'53 | 11♋11 | 0♊40 | 0♋47 | 18°21 | 8°40 | 22°39 | 26°35 | 8°40 | 3°53 | 4°D59 | 6°26 | 28°54 | n.a. | M 7 |
| T 8 | 15 57 22 | 28°30'07 | 25°29 | 2°45 | 1°59 | 19° 1 | 8°51 | 22°37 | 26°37 | 8°39 | 3°55 | 5° 0 | 6°22 | 29° 1 | n.a. | T 8 |
| W 9 | 16 1 19 | 29°27'21 | 9♌20 | 4°48 | 3°10 | 19°41 | 9° 3 | 22°36 | 26°40 | 8°38 | 3°56 | 5° 1 | 6°19 | 29° 7 | n.a. | W 9 |
| T 10 | 16 5 15 | 0♊24'35 | 22°47 | 6°50 | 4°22 | 20°21 | 9°14 | 22°34 | 26°42 | 8°37 | 3°57 | 5° 2 | 6°16 | 29°14 | n.a. | T 10 |
| F 11 | 16 9 12 | 1°21'50 | 5♍50 | 8°51 | 5°33 | 21° 1 | 9°25 | 22°32 | 26°45 | 8°36 | 3°58 | 5°R 2 | 6°13 | 29°21 | n.a. | F 11 |
| S 12 | 16 13 8 | 2°19'06 | 18°33 | 10°50 | 6°45 | 21°41 | 9°37 | 22°30 | 26°47 | 8°35 | 3°59 | 5° 1 | 6°10 | 29°27 | n.a. | S 12 |
| S 13 | 16 17 5 | 3°16'22 | 0♎59 | 12°47 | 7°56 | 22°21 | 9°49 | 22°28 | 26°50 | 8°35 | 4° 1 | 4°58 | 6° 7 | 29°34 | n.a. | S 13 |
| M14 | 16 21 1 | 4°13'40 | 13°12 | 14°43 | 9° 8 | 23° 0 | 10° 0 | 22°25 | 26°53 | 8°34 | 4° 2 | 4°55 | 6° 3 | 29°41 | n.a. | M14 |
| T 15 | 16 24 58 | 5°10'58 | 25°16 | 16°38 | 10°19 | 23°40 | 10°12 | 22°23 | 26°55 | 8°33 | 4° 3 | 4°50 | 6° 0 | 29°47 | n.a. | T 15 |
| W16 | 16 28 55 | 6° 8'17 | 7♏12 | 18°31 | 11°30 | 24°20 | 10°24 | 22°21 | 26°58 | 8°33 | 4° 5 | 4°45 | 5°57 | 29°54 | n.a. | W16 |
| T 17 | 16 32 51 | 7° 5'36 | 19° 4 | 20°22 | 12°41 | 24°59 | 10°36 | 22°18 | 27° 1 | 8°32 | 4° 6 | 4°40 | 5°54 | 0♐ 1 | n.a. | T 17 |
| F 18 | 16 36 48 | 8° 2'57 | 0♐54 | 22°11 | 13°52 | 25°39 | 10°48 | 22°16 | 27° 3 | 8°31 | 4° 8 | 4°36 | 5°51 | 0° 7 | n.a. | F 18 |
| S 19 | 16 40 44 | 9° 0'20 | 12°44 | 23°59 | 15° 3 | 26°18 | 11° 0 | 22°13 | 27° 6 | 8°31 | 4° 9 | 4°33 | 5°48 | 0°14 | n.a. | S 19 |
| S 20 | 16 44 41 | 9°57'43 | 24°35 | 25°46 | 16°14 | 26°57 | 11°12 | 22°10 | 27° 9 | 8°30 | 4°11 | 4°32 | 5°44 | 0°21 | n.a. | S 20 |
| M21 | 16 48 37 | 10°55'08 | 6♑31 | 27°30 | 17°25 | 27°36 | 11°24 | 22° 7 | 27°12 | 8°30 | 4°12 | 4°D31 | 5°41 | 0°27 | n.a. | M21 |
| T 22 | 16 52 34 | 11°52'34 | 18°33 | 29°14 | 18°36 | 28°16 | 11°36 | 22° 5 | 27°15 | 8°29 | 4°14 | 4°32 | 5°38 | 0°34 | n.a. | T 22 |
| W23 | 16 56 30 | 12°50'01 | 0♒45 | 0♋55 | 19°47 | 28°55 | 11°48 | 22° 2 | 27°18 | 8°29 | 4°15 | 4°33 | 5°35 | 0°41 | n.a. | W23 |
| T 24 | 17 0 27 | 13°47'30 | 13° 9 | 2°35 | 20°58 | 29°34 | 12° 0 | 21°58 | 27°21 | 8°28 | 4°17 | 4°35 | 5°32 | 0°47 | n.a. | T 24 |
| F 25 | 17 4 24 | 14°45'01 | 25°49 | 4°14 | 22° 9 | 0♉13 | 12°12 | 21°55 | 27°24 | 8°28 | 4°18 | 4°36 | 5°28 | 0°54 | n.a. | F 25 |
| S 26 | 17 8 20 | 15°42'33 | 8♓49 | 5°50 | 23°19 | 0°52 | 12°25 | 21°52 | 27°27 | 8°27 | 4°20 | 4°37 | 5°25 | 1° 1 | n.a. | S 26 |
| S 27 | 17 12 17 | 16°40'06 | 22°11 | 7°26 | 24°30 | 1°30 | 12°37 | 21°49 | 27°30 | 8°27 | 4°22 | 4°R37 | 5°22 | 1° 7 | n.a. | S 27 |
| M28 | 17 16 13 | 17°37'42 | 5♈58 | 8°59 | 25°40 | 2° 9 | 12°49 | 21°45 | 27°33 | 8°27 | 4°23 | 4°36 | 5°19 | 1°14 | n.a. | M28 |
| T 29 | 17 20 10 | 18°35'19 | 20° 9 | 10°32 | 26°51 | 2°48 | 13° 2 | 21°42 | 27°36 | 8°26 | 4°25 | 4°35 | 5°16 | 1°21 | n.a. | T 29 |
| W30 | 17 24 6 | 19♊32'58 | 4♉43 | 12♋ 2 | 28♋ 1 | 3♉27 | 13♋14 | 21♌38 | 27♋39 | 8♎26 | 4♏27 | 4♋33 | 5♋13 | 1♐27 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n35 | 0s12 | 5s 8 | 18n23 | 0n54 | 25n33 | 1n48 | 5n11 | 0s38 | 24n40 | 0n58 | 23s16 | 1s20 | 22n 0 | 0n43 | 1s35 | 2n 8 | 35n10 | 16n 0 | 23n49 | 23n45 | 17s 2 | | n.a. |
| W 2 | 18 50 | 5n44 | 4 50 | 19 7 | 1 3 | 25 37 | 1 48 | 5 27 | 0 37 | 24 39 | 0 58 | 23 16 | 1 20 | 22 0 | 0 43 | 1 35 | 2 8 | 35 10 | 16 0 | 23 49 | 23 45 | 17 5 | | n.a. |
| T 3 | 19 5 | 11 28 | 4 11 | 19 49 | 1 11 | 25 40 | 1 49 | 5 44 | 0 37 | 24 38 | 0 58 | 23 17 | 1 20 | 21 59 | 0 43 | 1 34 | 2 8 | 35 9 | 15 59 | 23 49 | 23 45 | 17 7 | | n.a. |
| F 4 | 19 19 | 16 34 | 3 15 | 20 30 | 1 18 | 25 42 | 1 49 | 6 0 | 0 36 | 24 38 | 0 58 | 23 17 | 1 21 | 21 59 | 0 43 | 1 34 | 2 8 | 35 8 | 15 59 | 23 49 | 23 45 | 17 9 | | n.a. |
| S 5 | 19 33 | 20 34 | 2 4 | 21 7 | 1 24 | 25 44 | 1 49 | 6 16 | 0 35 | 24 37 | 0 58 | 23 18 | 1 21 | 21 58 | 0 43 | 1 34 | 2 8 | 35 7 | 15 59 | 23 50 | 23 45 | 17 11 | | n.a. |
| S 6 | 19 47 | 23 6 | 0 46 | 21 43 | 1 30 | 25 44 | 1 49 | 6 33 | 0 35 | 24 36 | 0 58 | 23 18 | 1 21 | 21 58 | 0 43 | 1 33 | 2 8 | 35 7 | 15 58 | 23 50 | 23 46 | 17 13 | | n.a. |
| M 7 | 20 1 | 24 0 | 0n34 | 22 15 | 1 35 | 25 44 | 1 49 | 6 49 | 0 34 | 24 35 | 0 58 | 23 19 | 1 21 | 21 57 | 0 43 | 1 33 | 2 8 | 35 6 | 15 58 | 23 50 | 23 46 | 17 15 | | n.a. |
| T 8 | 20 14 | 23 16 | 1 50 | 22 46 | 1 40 | 25 44 | 1 49 | 7 5 | 0 34 | 24 35 | 0 57 | 23 19 | 1 21 | 21 57 | 0 43 | 1 33 | 2 8 | 35 5 | 15 57 | 23 50 | 23 46 | 17 17 | | n.a. |
| W 9 | 20 26 | 21 6 | 2 56 | 23 13 | 1 44 | 25 42 | 1 49 | 7 21 | 0 33 | 24 34 | 0 57 | 23 20 | 1 22 | 21 56 | 0 43 | 1 32 | 2 8 | 35 5 | 15 57 | 23 49 | 23 46 | 17 20 | | n.a. |
| T 10 | 20 39 | 17 50 | 3 52 | 23 39 | 1 47 | 25 40 | 1 49 | 7 37 | 0 33 | 24 33 | 0 57 | 23 20 | 1 22 | 21 56 | 0 43 | 1 32 | 2 8 | 35 4 | 15 56 | 23 49 | 23 46 | 17 22 | | n.a. |
| F 11 | 20 51 | 13 46 | 4 33 | 24 1 | 1 49 | 25 37 | 1 49 | 7 52 | 0 32 | 24 32 | 0 57 | 23 21 | 1 22 | 21 55 | 0 43 | 1 32 | 2 8 | 35 3 | 15 56 | 23 49 | 23 46 | 17 24 | | n.a. |
| S 12 | 21 3 | 9 12 | 5 0 | 24 21 | 1 51 | 25 33 | 1 48 | 8 8 | 0 31 | 24 31 | 0 57 | 23 21 | 1 22 | 21 55 | 0 42 | 1 32 | 2 8 | 35 2 | 15 56 | 23 49 | 23 47 | 17 26 | | n.a. |
| S 13 | 21 14 | 4 21 | 5 12 | 24 39 | 1 52 | 25 28 | 1 48 | 8 24 | 0 31 | 24 30 | 0 57 | 23 22 | 1 22 | 21 54 | 0 42 | 1 31 | 2 8 | 35 2 | 15 55 | 23 50 | 23 47 | 17 28 | | n.a. |
| M14 | 21 25 | 0s35 | 5 9 | 24 54 | 1 53 | 25 23 | 1 47 | 8 39 | 0 30 | 24 29 | 0 57 | 23 22 | 1 23 | 21 54 | 0 42 | 1 31 | 2 7 | 35 1 | 15 55 | 23 50 | 23 47 | 17 30 | | n.a. |
| T 15 | 21 36 | 5 26 | 4 53 | 25 6 | 1 53 | 25 17 | 1 47 | 8 55 | 0 29 | 24 28 | 0 57 | 23 23 | 1 23 | 21 53 | 0 42 | 1 31 | 2 7 | 35 0 | 15 55 | 23 50 | 23 47 | 17 32 | | n.a. |
| W16 | 21 46 | 10 2 | 4 24 | 25 16 | 1 52 | 25 10 | 1 46 | 9 10 | 0 29 | 24 28 | 0 57 | 23 23 | 1 23 | 21 53 | 0 42 | 1 31 | 2 7 | 34 59 | 15 54 | 23 50 | 23 47 | 17 34 | | n.a. |
| T 17 | 21 56 | 14 15 | 3 44 | 25 24 | 1 51 | 25 3 | 1 45 | 9 25 | 0 28 | 24 27 | 0 57 | 23 24 | 1 23 | 21 52 | 0 42 | 1 30 | 2 7 | 34 59 | 15 54 | 23 50 | 23 47 | 17 37 | | n.a. |
| F 18 | 22 5 | 17 55 | 2 54 | 25 30 | 1 49 | 24 55 | 1 44 | 9 41 | 0 28 | 24 26 | 0 57 | 23 25 | 1 23 | 21 52 | 0 42 | 1 30 | 2 7 | 34 58 | 15 53 | 23 50 | 23 47 | 17 39 | | n.a. |
| S 19 | 22 15 | 20 51 | 1 57 | 25 34 | 1 47 | 24 46 | 1 43 | 9 56 | 0 27 | 24 25 | 0 57 | 23 25 | 1 24 | 21 51 | 0 42 | 1 30 | 2 7 | 34 57 | 15 53 | 23 51 | 23 48 | 17 41 | | n.a. |
| S 20 | 22 24 | 22 54 | 0 54 | 25 35 | 1 44 | 24 36 | 1 42 | 10 11 | 0 26 | 24 24 | 0 57 | 23 26 | 1 24 | 21 50 | 0 42 | 1 30 | 2 7 | 34 57 | 15 53 | 23 51 | 23 48 | 17 43 | | n.a. |
| M21 | 22 32 | 23 56 | 0s11 | 25 34 | 1 41 | 24 26 | 1 41 | 10 26 | 0 26 | 24 22 | 0 57 | 23 27 | 1 24 | 21 50 | 0 42 | 1 30 | 2 7 | 34 56 | 15 52 | 23 51 | 23 48 | 17 45 | | n.a. |
| T 22 | 22 40 | 23 52 | 1 17 | 25 32 | 1 37 | 24 15 | 1 40 | 10 41 | 0 25 | 24 21 | 0 57 | 23 27 | 1 24 | 21 49 | 0 42 | 1 30 | 2 7 | 34 55 | 15 52 | 23 51 | 23 48 | 17 47 | | n.a. |
| W23 | 22 48 | 22 40 | 2 20 | 25 28 | 1 33 | 24 3 | 1 38 | 10 55 | 0 24 | 24 20 | 0 57 | 23 28 | 1 24 | 21 49 | 0 42 | 1 29 | 2 7 | 34 54 | 15 52 | 23 51 | 23 48 | 17 49 | | n.a. |
| T 24 | 22 55 | 20 21 | 3 17 | 25 22 | 1 28 | 23 51 | 1 37 | 11 10 | 0 24 | 24 19 | 0 57 | 23 29 | 1 25 | 21 48 | 0 42 | 1 29 | 2 7 | 34 53 | 15 51 | 23 50 | 23 48 | 17 51 | | n.a. |
| F 25 | 23 2 | 17 1 | 4 7 | 25 14 | 1 23 | 23 38 | 1 35 | 11 25 | 0 23 | 24 18 | 0 57 | 23 29 | 1 25 | 21 47 | 0 42 | 1 29 | 2 7 | 34 53 | 15 51 | 23 50 | 23 48 | 17 53 | | n.a. |
| S 26 | 23 8 | 12 48 | 4 45 | 25 5 | 1 18 | 23 24 | 1 34 | 11 39 | 0 23 | 24 17 | 0 57 | 23 30 | 1 25 | 21 47 | 0 42 | 1 29 | 2 7 | 34 52 | 15 51 | 23 50 | 23 49 | 17 56 | | n.a. |
| S 27 | 23 14 | 7 52 | 5 9 | 24 54 | 1 12 | 23 10 | 1 32 | 11 54 | 0 22 | 24 16 | 0 57 | 23 31 | 1 25 | 21 46 | 0 42 | 1 29 | 2 7 | 34 51 | 15 50 | 23 50 | 23 49 | 17 58 | | n.a. |
| M28 | 23 20 | 2 24 | 5 16 | 24 42 | 1 6 | 22 55 | 1 30 | 12 8 | 0 21 | 24 15 | 0 57 | 23 32 | 1 25 | 21 45 | 0 42 | 1 29 | 2 7 | 34 50 | 15 50 | 23 50 | 23 49 | 18 0 | | n.a. |
| T 29 | 23 25 | 3n20 | 5 5 | 24 29 | 0 59 | 22 39 | 1 28 | 12 22 | 0 21 | 24 13 | 0 57 | 23 32 | 1 25 | 21 45 | 0 42 | 1 29 | 2 6 | 34 50 | 15 50 | 23 50 | 23 49 | 18 2 | | n.a. |
| W30 | 23n30 | 9n 4 | 4s34 | 24n14 | 0n53 | 22n23 | 1n26 | 12n36 | 0s20 | 24n12 | 0n57 | 23s33 | 1s26 | 21n44 | 0n42 | 1s29 | 2n 6 | 34n49 | 15n49 | 23n51 | 23n49 | 18s 4 | | n.a. |

Julian Day Number = 997283.5, Delta T = 12h55m23s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'26, Lahiri = -31°17'26 Julian Calendar 1 June 1983 BCE == Greg. Calendar 15 May 1983 BCE


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## JULY 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 28 3 | 20♊30'38 | 19♉36 | 13♋31 | 29♋12 | 4♉ 5 | 13♋27 | 21°R35 | 27♋43 | 8°R26 | 4♌29 | 4°R31 | 5♋ 9 | 1♐34 | n.a. | T 1 |
| F 2 | 17 31 59 | 21°28'21 | 4♊41 | 14°59 | 0♌22 | 4°44 | 13°39 | 21♏31 | 27°46 | 8♎26 | 4°30 | 4♋30 | 5° 6 | 1°41 | n.a. | F 2 |
| S 3 | 17 35 56 | 22°26'05 | 19°48 | 16°24 | 1°32 | 5°22 | 13°52 | 21°27 | 27°49 | 8°25 | 4°32 | 4°29 | 5° 3 | 1°47 | n.a. | S 3 |
| S 4 | 17 39 53 | 23°23'51 | 4♋50 | 17°49 | 2°43 | 6° 0 | 14° 4 | 21°24 | 27°52 | 8°25 | 4°34 | 4°D29 | 5° 0 | 1°54 | n.a. | S 4 |
| M 5 | 17 43 49 | 24°21'38 | 19°36 | 19°11 | 3°53 | 6°39 | 14°17 | 21°20 | 27°56 | 8°25 | 4°36 | 4°29 | 4°57 | 2° 1 | n.a. | M 5 |
| T 6 | 17 47 46 | 25°19'27 | 4♌ 2 | 20°32 | 5° 3 | 7°17 | 14°30 | 21°16 | 27°59 | 8°25 | 4°38 | 4°30 | 4°54 | 2° 7 | n.a. | T 6 |
| W 7 | 17 51 42 | 26°17'17 | 18° 2 | 21°51 | 6°13 | 7°55 | 14°42 | 21°12 | 28° 2 | 8°25 | 4°40 | 4°30 | 4°50 | 2°14 | n.a. | W 7 |
| T 8 | 17 55 39 | 27°15'08 | 1♍36 | 23° 8 | 7°23 | 8°33 | 14°55 | 21° 8 | 28° 6 | 8°D25 | 4°41 | 4°31 | 4°47 | 2°21 | n.a. | T 8 |
| F 9 | 17 59 35 | 28°13'01 | 14°44 | 24°23 | 8°33 | 9°11 | 15° 8 | 21° 4 | 28° 9 | 8°25 | 4°43 | 4°32 | 4°44 | 2°27 | n.a. | F 9 |
| S 10 | 18 3 32 | 29°10'56 | 27°29 | 25°37 | 9°42 | 9°49 | 15°21 | 21° 0 | 28°13 | 8°25 | 4°45 | 4°R32 | 4°41 | 2°34 | n.a. | S 10 |
| S 11 | 18 7 28 | 0♋ 8'51 | 9♎55 | 26°48 | 10°52 | 10°27 | 15°34 | 20°56 | 28°16 | 8°25 | 4°47 | 4°32 | 4°38 | 2°41 | n.a. | S 11 |
| M12 | 18 11 25 | 1° 6'49 | 22° 6 | 27°58 | 12° 2 | 11° 5 | 15°46 | 20°51 | 28°19 | 8°25 | 4°49 | 4°31 | 4°34 | 2°47 | n.a. | M12 |
| T 13 | 18 15 22 | 2° 4'47 | 4♏ 6 | 29° 5 | 13°11 | 11°42 | 15°59 | 20°47 | 28°23 | 8°25 | 4°51 | 4°31 | 4°31 | 2°54 | n.a. | T 13 |
| W14 | 18 19 18 | 3° 2'48 | 15°58 | 0♌10 | 14°20 | 12°20 | 16°12 | 20°43 | 28°26 | 8°26 | 4°53 | 4°31 | 4°28 | 3° 1 | n.a. | W14 |
| T 15 | 18 23 15 | 4° 0'50 | 27°48 | 1°12 | 15°30 | 12°58 | 16°25 | 20°38 | 28°30 | 8°26 | 4°55 | 4°D31 | 4°25 | 3° 7 | n.a. | T 15 |
| F 16 | 18 27 11 | 4°58'54 | 9♐38 | 2°13 | 16°39 | 13°35 | 16°38 | 20°34 | 28°34 | 8°26 | 4°57 | 4°31 | 4°22 | 3°14 | n.a. | F 16 |
| S 17 | 18 31 8 | 5°56'59 | 21°30 | 3°10 | 17°48 | 14°13 | 16°51 | 20°30 | 28°37 | 8°26 | 4°59 | 4°31 | 4°19 | 3°21 | n.a. | S 17 |
| S 18 | 18 35 4 | 6°55'07 | 3♑28 | 4° 4 | 18°57 | 14°50 | 17° 4 | 20°25 | 28°41 | 8°27 | 5° 1 | 4°R31 | 4°15 | 3°27 | n.a. | S 18 |
| M19 | 18 39 1 | 7°53'16 | 15°34 | 4°56 | 20° 6 | 15°27 | 17°17 | 20°21 | 28°44 | 8°27 | 5° 3 | 4°31 | 4°12 | 3°34 | n.a. | M19 |
| T 20 | 18 42 57 | 8°51'27 | 27°48 | 5°44 | 21°15 | 16° 4 | 17°30 | 20°16 | 28°48 | 8°27 | 5° 5 | 4°31 | 4° 9 | 3°41 | n.a. | T 20 |
| W21 | 18 46 54 | 9°49'41 | 10♒14 | 6°29 | 22°24 | 16°41 | 17°43 | 20°12 | 28°52 | 8°28 | 5° 7 | 4°30 | 4° 6 | 3°47 | n.a. | W21 |
| T 22 | 18 50 51 | 10°47'56 | 22°52 | 7°11 | 23°32 | 17°18 | 17°56 | 20° 7 | 28°55 | 8°28 | 5°10 | 4°29 | 4° 3 | 3°54 | n.a. | T 22 |
| F 23 | 18 54 47 | 11°46'14 | 5♓44 | 7°48 | 24°41 | 17°55 | 18° 9 | 20° 2 | 28°59 | 8°29 | 5°12 | 4°28 | 3°59 | 4° 1 | n.a. | F 23 |
| S 24 | 18 58 44 | 12°44'33 | 18°51 | 8°22 | 25°49 | 18°32 | 18°22 | 19°58 | 29° 3 | 8°29 | 5°14 | 4°28 | 3°56 | 4° 7 | n.a. | S 24 |
| S 25 | 19 2 40 | 13°42'55 | 2♈16 | 8°51 | 26°58 | 19° 9 | 18°35 | 19°53 | 29° 6 | 8°30 | 5°16 | 4°27 | 3°53 | 4°14 | n.a. | S 25 |
| M26 | 19 6 37 | 14°41'19 | 15°58 | 9°15 | 28° 6 | 19°46 | 18°48 | 19°49 | 29°10 | 8°30 | 5°18 | 4°D27 | 3°50 | 4°21 | n.a. | M26 |
| T 27 | 19 10 33 | 15°39'46 | 29°59 | 9°34 | 29°14 | 20°22 | 19° 1 | 19°44 | 29°14 | 8°31 | 5°20 | 4°27 | 3°47 | 4°27 | n.a. | T 27 |
| W28 | 19 14 30 | 16°38'15 | 14♉16 | 9°48 | 0♍22 | 20°59 | 19°14 | 19°39 | 29°17 | 8°32 | 5°22 | 4°28 | 3°44 | 4°34 | n.a. | W28 |
| T 29 | 19 18 26 | 17°36'46 | 28°49 | 9°57 | 1°30 | 21°35 | 19°27 | 19°35 | 29°21 | 8°32 | 5°25 | 4°29 | 3°40 | 4°41 | n.a. | T 29 |
| F 30 | 19 22 23 | 18°35'20 | 13♊32 | 9°R59 | 2°37 | 22°12 | 19°40 | 19°30 | 29°25 | 8°33 | 5°27 | 4°30 | 3°37 | 4°47 | n.a. | F 30 |
| S 31 | 19 26 20 | 19♋33'56 | 28♊21 | 9♌55 | 3♍45 | 22♉48 | 19♋54 | 19♏25 | 29♋29 | 8♎34 | 5♌29 | 4°R30 | 3♋34 | 4♐54 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 23n34 | 14n24 | 3s44 | 23n58 | 0n45 | 22n 6 | 1n24 | 12n50 | 0s19 | 24n11 | 0n57 | 23s34 | 1s26 | 21n43 | 0n42 | 1s29 | 2n 6 | 34n48 | 15n49 | 23n51 | 23n49 | 18s 6 | | | n.a. |
| F 2 | 23 38 | 18 55 | 2 38 | 23 41 | 0 38 | 21 49 | 1 22 | 13 4 | 0 19 | 24 10 | 0 58 | 23 35 | 1 26 | 21 43 | 0 42 | 1 29 | 2 6 | 34 47 | 15 49 | 23 51 | 23 49 | 18 8 | | | n.a. |
| S 3 | 23 42 | 22 11 | 1 20 | 23 24 | 0 30 | 21 31 | 1 20 | 13 18 | 0 18 | 24 8 | 0 58 | 23 35 | 1 26 | 21 42 | 0 42 | 1 29 | 2 6 | 34 47 | 15 48 | 23 51 | 23 49 | 18 10 | | | n.a. |
| S 4 | 23 45 | 23 52 | 0n 2 | 23 5 | 0 22 | 21 12 | 1 18 | 13 31 | 0 17 | 24 7 | 0 58 | 23 36 | 1 26 | 21 41 | 0 42 | 1 29 | 2 6 | 34 46 | 15 48 | 23 51 | 23 50 | 18 12 | | | n.a. |
| M 5 | 23 48 | 23 49 | 1 23 | 22 45 | 0 14 | 20 53 | 1 15 | 13 45 | 0 16 | 24 6 | 0 58 | 23 37 | 1 26 | 21 41 | 0 42 | 1 29 | 2 6 | 34 45 | 15 48 | 23 51 | 23 50 | 18 14 | | | n.a. |
| T 6 | 23 50 | 22 10 | 2 37 | 22 25 | 0 6 | 20 34 | 1 13 | 13 58 | 0 16 | 24 4 | 0 58 | 23 38 | 1 27 | 21 40 | 0 42 | 1 29 | 2 6 | 34 44 | 15 48 | 23 51 | 23 50 | 18 16 | | | n.a. |
| W 7 | 23 52 | 19 12 | 3 39 | 22 4 | 0s 3 | 20 13 | 1 10 | 14 12 | 0 15 | 24 3 | 0 58 | 23 38 | 1 27 | 21 39 | 0 42 | 1 29 | 2 6 | 34 44 | 15 47 | 23 51 | 23 50 | 18 18 | | | n.a. |
| T 8 | 23 54 | 15 15 | 4 27 | 21 42 | 0 12 | 19 53 | 1 7 | 14 25 | 0 14 | 24 1 | 0 58 | 23 39 | 1 27 | 21 39 | 0 42 | 1 29 | 2 6 | 34 43 | 15 47 | 23 51 | 23 50 | 18 20 | | | n.a. |
| F 9 | 23 55 | 10 42 | 4 59 | 21 20 | 0 21 | 19 32 | 1 4 | 14 38 | 0 14 | 24 0 | 0 58 | 23 40 | 1 27 | 21 38 | 0 42 | 1 29 | 2 6 | 34 42 | 15 47 | 23 51 | 23 50 | 18 22 | | | n.a. |
| S 10 | 23 55 | 5 49 | 5 15 | 20 57 | 0 30 | 19 10 | 1 2 | 14 51 | 0 13 | 23 58 | 0 58 | 23 41 | 1 27 | 21 37 | 0 42 | 1 29 | 2 6 | 34 41 | 15 47 | 23 51 | 23 50 | 18 25 | | | n.a. |
| S 11 | 23 55 | 0 49 | 5 16 | 20 34 | 0 40 | 18 48 | 0 59 | 15 4 | 0 12 | 23 57 | 0 58 | 23 42 | 1 27 | 21 36 | 0 42 | 1 29 | 2 6 | 34 41 | 15 46 | 23 51 | 23 50 | 18 27 | | | n.a. |
| M12 | 23 55 | 4s 6 | 5 3 | 20 11 | 0 49 | 18 25 | 0 56 | 15 16 | 0 11 | 23 55 | 0 58 | 23 43 | 1 28 | 21 36 | 0 42 | 1 29 | 2 6 | 34 40 | 15 46 | 23 51 | 23 50 | 18 29 | | | n.a. |
| T 13 | 23 54 | 8 49 | 4 36 | 19 47 | 0 59 | 18 2 | 0 52 | 15 29 | 0 11 | 23 54 | 0 58 | 23 43 | 1 28 | 21 35 | 0 42 | 1 29 | 2 5 | 34 39 | 15 46 | 23 51 | 23 51 | 18 31 | | | n.a. |
| W14 | 23 53 | 13 9 | 3 58 | 19 24 | 1 9 | 17 39 | 0 49 | 15 41 | 0 10 | 23 52 | 0 58 | 23 44 | 1 28 | 21 34 | 0 42 | 1 30 | 2 5 | 34 38 | 15 46 | 23 51 | 23 51 | 18 33 | | | n.a. |
| T 15 | 23 52 | 16 59 | 3 10 | 19 0 | 1 19 | 17 15 | 0 46 | 15 54 | 0 9 | 23 51 | 0 58 | 23 45 | 1 28 | 21 34 | 0 42 | 1 30 | 2 5 | 34 38 | 15 45 | 23 51 | 23 51 | 18 35 | | | n.a. |
| F 16 | 23 50 | 20 8 | 2 14 | 18 37 | 1 29 | 16 50 | 0 43 | 16 6 | 0 9 | 23 49 | 0 58 | 23 46 | 1 28 | 21 33 | 0 42 | 1 30 | 2 5 | 34 37 | 15 45 | 23 51 | 23 51 | 18 37 | | | n.a. |
| S 17 | 23 47 | 22 27 | 1 12 | 18 14 | 1 39 | 16 25 | 0 39 | 16 18 | 0 8 | 23 48 | 0 58 | 23 47 | 1 28 | 21 32 | 0 42 | 1 30 | 2 5 | 34 36 | 15 45 | 23 51 | 23 51 | 18 39 | | | n.a. |
| S 18 | 23 44 | 23 47 | 0 6 | 17 51 | 1 50 | 16 0 | 0 36 | 16 30 | 0 7 | 23 46 | 0 58 | 23 47 | 1 28 | 21 31 | 0 42 | 1 30 | 2 5 | 34 35 | 15 45 | 23 51 | 23 51 | 18 41 | | | n.a. |
| M19 | 23 41 | 24 0 | 1s 1 | 17 29 | 2 0 | 15 35 | 0 32 | 16 42 | 0 6 | 23 44 | 0 58 | 23 48 | 1 29 | 21 31 | 0 42 | 1 30 | 2 5 | 34 35 | 15 45 | 23 51 | 23 51 | 18 43 | | | n.a. |
| T 20 | 23 37 | 23 4 | 2 6 | 17 7 | 2 10 | 15 9 | 0 28 | 16 54 | 0 6 | 23 43 | 0 58 | 23 49 | 1 29 | 21 30 | 0 42 | 1 31 | 2 5 | 34 34 | 15 44 | 23 51 | 23 51 | 18 45 | | | n.a. |
| W21 | 23 33 | 21 0 | 3 6 | 16 46 | 2 20 | 14 43 | 0 25 | 17 5 | 0 5 | 23 41 | 0 58 | 23 50 | 1 29 | 21 29 | 0 42 | 1 31 | 2 5 | 34 33 | 15 44 | 23 51 | 23 51 | 18 47 | | | n.a. |
| T 22 | 23 28 | 17 54 | 3 57 | 16 26 | 2 30 | 14 16 | 0 21 | 17 17 | 0 4 | 23 39 | 0 58 | 23 51 | 1 29 | 21 28 | 0 42 | 1 31 | 2 5 | 34 32 | 15 44 | 23 51 | 23 52 | 18 49 | | | n.a. |
| F 23 | 23 23 | 13 53 | 4 38 | 16 7 | 2 40 | 13 49 | 0 17 | 17 28 | 0 3 | 23 38 | 0 58 | 23 51 | 1 29 | 21 27 | 0 42 | 1 31 | 2 5 | 34 32 | 15 44 | 23 51 | 23 52 | 18 51 | | | n.a. |
| S 24 | 23 18 | 9 9 | 5 5 | 15 48 | 2 50 | 13 22 | 0 13 | 17 39 | 0 2 | 23 36 | 0 58 | 23 52 | 1 29 | 21 27 | 0 42 | 1 32 | 2 5 | 34 31 | 15 44 | 23 51 | 23 52 | 18 53 | | | n.a. |
| S 25 | 23 12 | 3 55 | 5 17 | 15 32 | 2 59 | 12 55 | 0 9 | 17 50 | 0 2 | 23 34 | 0 58 | 23 53 | 1 29 | 21 26 | 0 42 | 1 32 | 2 5 | 34 30 | 15 44 | 23 51 | 23 52 | 18 55 | | | n.a. |
| M26 | 23 6 | 1n38 | 5 11 | 15 16 | 3 9 | 12 27 | 0 5 | 18 1 | 0 1 | 23 32 | 0 58 | 23 54 | 1 29 | 21 25 | 0 42 | 1 32 | 2 4 | 34 30 | 15 44 | 23 51 | 23 52 | 18 57 | | | n.a. |
| T 27 | 22 59 | 7 14 | 4 46 | 15 3 | 3 18 | 11 59 | 0 0 | 18 12 | 0 0 | 23 30 | 0 59 | 23 55 | 1 29 | 21 24 | 0 42 | 1 33 | 2 4 | 34 29 | 15 43 | 23 51 | 23 52 | 18 59 | | | n.a. |
| W28 | 22 52 | 12 34 | 4 4 | 14 51 | 3 26 | 11 30 | 0s 4 | 18 23 | 0n 1 | 23 29 | 0 59 | 23 55 | 1 29 | 21 23 | 0 42 | 1 33 | 2 4 | 34 28 | 15 43 | 23 51 | 23 52 | 19 1 | | | n.a. |
| T 29 | 22 44 | 17 17 | 3 5 | 14 41 | 3 34 | 11 2 | 0 8 | 18 33 | 0 2 | 23 27 | 0 59 | 23 56 | 1 30 | 21 23 | 0 42 | 1 33 | 2 4 | 34 27 | 15 43 | 23 51 | 23 52 | 19 3 | | | n.a. |
| F 30 | 22 36 | 21 0 | 1 54 | 14 33 | 3 41 | 10 33 | 0 13 | 18 43 | 0 2 | 23 25 | 0 59 | 23 57 | 1 30 | 21 22 | 0 42 | 1 34 | 2 4 | 34 27 | 15 43 | 23 51 | 23 52 | 19 5 | | | n.a. |
| S 31 | 22n28 | 23n21 | 0s34 | 14n28 | 3s47 | 10n 4 | 0s17 | 18n54 | 0n 3 | 23n23 | 0n59 | 23s58 | 1s30 | 21n21 | 0n42 | 1s34 | 2n 4 | 34n26 | 15n43 | 23n51 | 23n52 | 19s 7 | | | n.a. |

Julian Day Number = 997313.5, Delta T = 12h55m21s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'22, Lahiri = -31°17'22 Julian Calendar 1 July 1983 BCE == Greg. Calendar 14 June 1983 BCE

The year -1982 astronomical counting style corresponds to year 1983 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## AUGUST 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 30 16 | 20♋32'35 | 13♋ 8 | 9°R44 | 4♍52 | 23♉24 | 20♋ 7 | 19°R20 | 29♋32 | 8♎34 | 5♌31 | 4°R30 | 3♋31 | 5♐ 1 | n.a. | S 1 |
| M 2 | 19 34 13 | 21°31'15 | 27°45 | 9♌27 | 6° 0 | 24° 1 | 20°20 | 19♏16 | 29°36 | 8°35 | 5°33 | 4♋29 | 3°28 | 5° 7 | n.a. | M 2 |
| T 3 | 19 38 9 | 22°29'58 | 12♌ 8 | 9° 3 | 7° 7 | 24°37 | 20°33 | 19°11 | 29°40 | 8°36 | 5°36 | 4°28 | 3°25 | 5°14 | n.a. | T 3 |
| W 4 | 19 42 6 | 23°28'42 | 26° 9 | 8°32 | 8°14 | 25°13 | 20°46 | 19° 6 | 29°44 | 8°37 | 5°38 | 4°25 | 3°21 | 5°21 | n.a. | W 4 |
| T 5 | 19 46 2 | 24°27'29 | 9♍47 | 7°54 | 9°21 | 25°48 | 20°59 | 19° 2 | 29°48 | 8°38 | 5°40 | 4°22 | 3°18 | 5°27 | n.a. | T 5 |
| F 6 | 19 49 59 | 25°26'17 | 23° 0 | 7° 9 | 10°28 | 26°24 | 21°12 | 18°57 | 29°51 | 8°39 | 5°42 | 4°20 | 3°15 | 5°34 | n.a. | F 6 |
| S 7 | 19 53 55 | 26°25'07 | 5♎49 | 6°19 | 11°34 | 27° 0 | 21°25 | 18°53 | 29°55 | 8°40 | 5°45 | 4°17 | 3°12 | 5°41 | n.a. | S 7 |
| S 8 | 19 57 52 | 27°24'00 | 18°17 | 5°22 | 12°41 | 27°35 | 21°38 | 18°48 | 29°59 | 8°41 | 5°47 | 4°16 | 3° 9 | 5°47 | n.a. | S 8 |
| M 9 | 20 1 48 | 28°22'54 | 0♏28 | 4°22 | 13°47 | 28°11 | 21°51 | 18°43 | 0♌ 3 | 8°42 | 5°49 | 4°D16 | 3° 5 | 5°54 | n.a. | M 9 |
| T 10 | 20 5 45 | 29°21'50 | 12°28 | 3°18 | 14°53 | 28°46 | 22° 4 | 18°39 | 0° 7 | 8°43 | 5°51 | 4°16 | 3° 2 | 6° 1 | n.a. | T 10 |
| W11 | 20 9 42 | 0♌20'48 | 24°19 | 2°12 | 15°59 | 29°22 | 22°17 | 18°34 | 0°10 | 8°44 | 5°54 | 4°18 | 2°59 | 6° 7 | n.a. | W11 |
| T 12 | 20 13 38 | 1°19'48 | 6♐ 8 | 1° 6 | 17° 5 | 29°57 | 22°30 | 18°30 | 0°14 | 8°45 | 5°56 | 4°20 | 2°56 | 6°14 | n.a. | T 12 |
| F 13 | 20 17 35 | 2°18'50 | 17°59 | 0° 1 | 18°10 | 0♊32 | 22°43 | 18°25 | 0°18 | 8°46 | 5°58 | 4°21 | 2°53 | 6°21 | n.a. | F 13 |
| S 14 | 20 21 31 | 3°17'54 | 29°56 | 28♋58 | 19°16 | 1° 7 | 22°56 | 18°21 | 0°22 | 8°47 | 6° 1 | 4°R22 | 2°50 | 6°27 | n.a. | S 14 |
| S 15 | 20 25 28 | 4°17'00 | 12♑ 1 | 28° 1 | 20°21 | 1°42 | 23° 9 | 18°16 | 0°26 | 8°48 | 6° 3 | 4°22 | 2°46 | 6°34 | n.a. | S 15 |
| M16 | 20 29 24 | 5°16'08 | 24°19 | 27° 9 | 21°26 | 2°17 | 23°22 | 18°12 | 0°29 | 8°50 | 6° 5 | 4°20 | 2°43 | 6°41 | n.a. | M16 |
| T 17 | 20 33 21 | 6°15'19 | 6♒50 | 26°26 | 22°31 | 2°51 | 23°35 | 18° 8 | 0°33 | 8°51 | 6° 7 | 4°17 | 2°40 | 6°47 | n.a. | T 17 |
| W18 | 20 37 17 | 7°14'31 | 19°35 | 25°50 | 23°35 | 3°26 | 23°48 | 18° 3 | 0°37 | 8°52 | 6°10 | 4°13 | 2°37 | 6°54 | n.a. | W18 |
| T 19 | 20 41 14 | 8°13'46 | 2♓34 | 25°25 | 24°40 | 4° 0 | 24° 1 | 17°59 | 0°41 | 8°54 | 6°12 | 4° 7 | 2°34 | 7° 1 | n.a. | T 19 |
| F 20 | 20 45 10 | 9°13'03 | 15°47 | 25° 9 | 25°44 | 4°35 | 24°14 | 17°55 | 0°45 | 8°55 | 6°14 | 4° 1 | 2°31 | 7° 7 | n.a. | F 20 |
| S 21 | 20 49 7 | 10°12'23 | 29°13 | 25°D 5 | 26°47 | 5° 9 | 24°27 | 17°51 | 0°48 | 8°56 | 6°17 | 3°56 | 2°27 | 7°14 | n.a. | S 21 |
| S 22 | 20 53 4 | 11°11'45 | 12♈50 | 25°10 | 27°51 | 5°43 | 24°40 | 17°47 | 0°52 | 8°58 | 6°19 | 3°51 | 2°24 | 7°21 | n.a. | S 22 |
| M23 | 20 57 0 | 12°11'09 | 26°38 | 25°26 | 28°54 | 6°17 | 24°53 | 17°43 | 0°56 | 8°59 | 6°21 | 3°49 | 2°21 | 7°27 | n.a. | M23 |
| T 24 | 21 0 57 | 13°10'36 | 10♉36 | 25°53 | 29°57 | 6°51 | 25° 5 | 17°39 | 1° 0 | 9° 0 | 6°23 | 3°D48 | 2°18 | 7°34 | n.a. | T 24 |
| W25 | 21 4 53 | 14°10'05 | 24°42 | 26°28 | 1♎ 0 | 7°25 | 25°18 | 17°35 | 1° 3 | 9° 2 | 6°26 | 3°48 | 2°15 | 7°41 | n.a. | W25 |
| T 26 | 21 8 50 | 15° 9'38 | 8♊56 | 27°13 | 2° 3 | 7°59 | 25°31 | 17°31 | 1° 7 | 9° 3 | 6°28 | 3°49 | 2°11 | 7°47 | n.a. | T 26 |
| F 27 | 21 12 46 | 16° 9'12 | 23°15 | 28° 6 | 3° 5 | 8°33 | 25°44 | 17°27 | 1°11 | 9° 5 | 6°30 | 3°50 | 2° 8 | 7°54 | n.a. | F 27 |
| S 28 | 21 16 43 | 17° 8'49 | 7♋38 | 29° 7 | 4° 7 | 9° 6 | 25°56 | 17°23 | 1°14 | 9° 6 | 6°32 | 3°R51 | 2° 5 | 8° 1 | n.a. | S 28 |
| S 29 | 21 20 39 | 18° 8'29 | 22° 0 | 0♌14 | 5° 9 | 9°40 | 26° 9 | 17°20 | 1°18 | 9° 8 | 6°35 | 3°49 | 2° 2 | 8° 7 | n.a. | S 29 |
| M30 | 21 24 36 | 19° 8'11 | 6♌16 | 1°27 | 6°10 | 10°13 | 26°21 | 17°16 | 1°22 | 9°10 | 6°37 | 3°46 | 1°59 | 8°14 | n.a. | M30 |
| T 31 | 21 28 32 | 20♌ 7'55 | 20♌22 | 2♌45 | 7♎11 | 10♊46 | 26♋34 | 17♑12 | 1♌26 | 9♎11 | 6♌39 | 3♋40 | 1♋56 | 8♐21 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 22n19 | 24n 3 | 0n48 | 14n26 | 3s53 | 9n35 | 0s22 | 19n 4 | 0n 4 | 23n21 | 0n59 | 23s59 | 1s30 | 21n20 | 0n42 | 1s34 | 2n 4 | 34n25 | 15n43 | 23n51 | 23n52 | 19s 9 | | | n.a. |
| M 2 | 22 10 | 23 4 | 2 5 | 14 26 | 3 57 | 9 5 | 0 26 | 19 14 | 0 5 | 23 19 | 0 59 | 23 59 | 1 30 | 21 19 | 0 42 | 1 35 | 2 4 | 34 25 | 15 43 | 23 51 | 23 53 | 19 11 | | | n.a. |
| T 3 | 22 0 | 20 35 | 3 13 | 14 29 | 4 1 | 8 36 | 0 31 | 19 24 | 0 6 | 23 17 | 0 59 | 24 0 | 1 30 | 21 19 | 0 42 | 1 35 | 2 4 | 34 24 | 15 43 | 23 51 | 23 53 | 19 13 | | | n.a. |
| W 4 | 21 50 | 16 56 | 4 8 | 14 36 | 4 3 | 8 6 | 0 35 | 19 33 | 0 7 | 23 15 | 0 59 | 24 1 | 1 30 | 21 18 | 0 42 | 1 36 | 2 4 | 34 23 | 15 43 | 23 51 | 23 53 | 19 15 | | | n.a. |
| T 5 | 21 40 | 12 28 | 4 47 | 14 45 | 4 3 | 7 36 | 0 40 | 19 43 | 0 7 | 23 13 | 0 59 | 24 2 | 1 30 | 21 17 | 0 42 | 1 36 | 2 4 | 34 23 | 15 43 | 23 51 | 23 53 | 19 17 | | | n.a. |
| F 6 | 21 29 | 7 33 | 5 9 | 14 58 | 4 2 | 7 6 | 0 45 | 19 52 | 0 8 | 23 11 | 0 59 | 24 2 | 1 30 | 21 16 | 0 42 | 1 36 | 2 4 | 34 22 | 15 43 | 23 51 | 23 53 | 19 19 | | | n.a. |
| S 7 | 21 18 | 2 27 | 5 15 | 15 14 | 3 58 | 6 36 | 0 50 | 20 2 | 0 9 | 23 9 | 0 59 | 24 3 | 1 30 | 21 15 | 0 42 | 1 37 | 2 4 | 34 21 | 15 43 | 23 51 | 23 53 | 19 20 | | | n.a. |
| S 8 | 21 6 | 2s36 | 5 6 | 15 32 | 3 53 | 6 6 | 0 55 | 20 11 | 0 10 | 23 7 | 0 59 | 24 4 | 1 30 | 21 15 | 0 42 | 1 37 | 2 4 | 34 21 | 15 42 | 23 51 | 23 53 | 19 22 | | | n.a. |
| M 9 | 20 54 | 7 28 | 4 43 | 15 54 | 3 46 | 5 35 | 1 0 | 20 20 | 0 11 | 23 5 | 0 59 | 24 5 | 1 30 | 21 14 | 0 42 | 1 38 | 2 4 | 34 20 | 15 42 | 23 51 | 23 53 | 19 24 | | | n.a. |
| T 10 | 20 42 | 11 57 | 4 8 | 16 18 | 3 37 | 5 5 | 1 5 | 20 29 | 0 12 | 23 3 | 1 0 | 24 5 | 1 30 | 21 13 | 0 42 | 1 38 | 2 3 | 34 19 | 15 42 | 23 51 | 23 53 | 19 26 | | | n.a. |
| W11 | 20 29 | 15 57 | 3 23 | 16 44 | 3 26 | 4 34 | 1 10 | 20 37 | 0 13 | 23 1 | 1 0 | 24 6 | 1 31 | 21 12 | 0 42 | 1 39 | 2 3 | 34 19 | 15 42 | 23 51 | 23 53 | 19 28 | | | n.a. |
| T 12 | 20 16 | 19 19 | 2 29 | 17 11 | 3 12 | 4 4 | 1 15 | 20 46 | 0 13 | 22 59 | 1 0 | 24 7 | 1 31 | 21 11 | 0 42 | 1 39 | 2 3 | 34 18 | 15 42 | 23 51 | 23 53 | 19 30 | | | n.a. |
| F 13 | 20 2 | 21 54 | 1 29 | 17 40 | 2 57 | 3 33 | 1 20 | 20 54 | 0 14 | 22 57 | 1 0 | 24 7 | 1 31 | 21 10 | 0 42 | 1 40 | 2 3 | 34 17 | 15 42 | 23 51 | 23 53 | 19 32 | | | n.a. |
| S 14 | 19 49 | 23 31 | 0 24 | 18 9 | 2 41 | 3 2 | 1 25 | 21 3 | 0 15 | 22 55 | 1 0 | 24 8 | 1 31 | 21 10 | 0 42 | 1 40 | 2 3 | 34 17 | 15 42 | 23 51 | 23 53 | 19 34 | | | n.a. |
| S 15 | 19 34 | 24 4 | 0s42 | 18 38 | 2 23 | 2 31 | 1 30 | 21 11 | 0 16 | 22 53 | 1 0 | 24 9 | 1 31 | 21 9 | 0 42 | 1 41 | 2 3 | 34 16 | 15 42 | 23 51 | 23 54 | 19 36 | | | n.a. |
| M16 | 19 20 | 23 27 | 1 47 | 19 7 | 2 4 | 2 1 | 1 35 | 21 19 | 0 17 | 22 50 | 1 0 | 24 9 | 1 31 | 21 8 | 0 42 | 1 41 | 2 3 | 34 16 | 15 43 | 23 51 | 23 54 | 19 38 | | | n.a. |
| T 17 | 19 5 | 21 39 | 2 48 | 19 34 | 1 45 | 1 30 | 1 40 | 21 27 | 0 18 | 22 48 | 1 0 | 24 10 | 1 31 | 21 7 | 0 42 | 1 42 | 2 3 | 34 15 | 15 43 | 23 51 | 23 54 | 19 40 | | | n.a. |
| W18 | 18 50 | 18 45 | 3 42 | 20 0 | 1 26 | 0 59 | 1 46 | 21 34 | 0 19 | 22 46 | 1 0 | 24 11 | 1 31 | 21 6 | 0 42 | 1 42 | 2 3 | 34 14 | 15 43 | 23 51 | 23 54 | 19 42 | | | n.a. |
| T 19 | 18 34 | 14 53 | 4 25 | 20 24 | 1 6 | 0 28 | 1 51 | 21 42 | 0 20 | 22 44 | 1 0 | 24 11 | 1 31 | 21 5 | 0 42 | 1 43 | 2 3 | 34 14 | 15 43 | 23 51 | 23 54 | 19 44 | | | n.a. |
| F 20 | 18 19 | 10 14 | 4 55 | 20 46 | 0 47 | 0s 2 | 1 56 | 21 49 | 0 21 | 22 42 | 1 1 | 24 12 | 1 31 | 21 5 | 0 42 | 1 44 | 2 3 | 34 13 | 15 43 | 23 52 | 23 54 | 19 46 | | | n.a. |
| S 21 | 18 2 | 5 2 | 5 10 | 21 5 | 0 28 | 0 33 | 2 1 | 21 57 | 0 22 | 22 39 | 1 1 | 24 12 | 1 31 | 21 4 | 0 42 | 1 44 | 2 3 | 34 13 | 15 43 | 23 52 | 23 54 | 19 47 | | | n.a. |
| S 22 | 17 46 | 0n28 | 5 7 | 21 22 | 0 10 | 1 4 | 2 7 | 22 4 | 0 23 | 22 37 | 1 1 | 24 13 | 1 31 | 21 3 | 0 42 | 1 45 | 2 3 | 34 12 | 15 43 | 23 52 | 23 54 | 19 49 | | | n.a. |
| M23 | 17 29 | 6 2 | 4 47 | 21 35 | 0n 7 | 1 34 | 2 12 | 22 11 | 0 24 | 22 35 | 1 1 | 24 13 | 1 31 | 21 2 | 0 42 | 1 45 | 2 3 | 34 12 | 15 43 | 23 52 | 23 54 | 19 51 | | | n.a. |
| T 24 | 17 12 | 11 21 | 4 9 | 21 46 | 0 23 | 2 4 | 2 17 | 22 18 | 0 25 | 22 33 | 1 1 | 24 14 | 1 31 | 21 1 | 0 42 | 1 46 | 2 3 | 34 11 | 15 43 | 23 52 | 23 54 | 19 53 | | | n.a. |
| W25 | 16 55 | 16 9 | 3 16 | 21 53 | 0 37 | 2 35 | 2 23 | 22 25 | 0 26 | 22 30 | 1 1 | 24 15 | 1 31 | 21 0 | 0 42 | 1 47 | 2 3 | 34 11 | 15 43 | 23 52 | 23 54 | 19 55 | | | n.a. |
| T 26 | 16 37 | 20 5 | 2 11 | 21 58 | 0 51 | 3 5 | 2 28 | 22 31 | 0 27 | 22 28 | 1 1 | 24 15 | 1 31 | 21 0 | 0 42 | 1 47 | 2 2 | 34 10 | 15 43 | 23 52 | 23 54 | 19 57 | | | n.a. |
| F 27 | 16 19 | 22 48 | 0 57 | 21 59 | 1 3 | 3 35 | 2 33 | 22 38 | 0 28 | 22 26 | 1 1 | 24 16 | 1 31 | 20 59 | 0 42 | 1 48 | 2 2 | 34 9 | 15 43 | 23 52 | 23 54 | 19 59 | | | n.a. |
| S 28 | 16 1 | 24 2 | 0n21 | 21 57 | 1 13 | 4 5 | 2 39 | 22 44 | 0 29 | 22 24 | 1 1 | 24 16 | 1 31 | 20 58 | 0 42 | 1 49 | 2 2 | 34 9 | 15 44 | 23 52 | 23 54 | 20 1 | | | n.a. |
| S 29 | 15 42 | 23 41 | 1 37 | 21 51 | 1 23 | 4 35 | 2 44 | 22 50 | 0 30 | 22 21 | 1 2 | 24 17 | 1 31 | 20 57 | 0 42 | 1 49 | 2 2 | 34 8 | 15 44 | 23 52 | 23 54 | 20 3 | | | n.a. |
| M30 | 15 23 | 21 46 | 2 46 | 21 43 | 1 31 | 5 4 | 2 49 | 22 56 | 0 31 | 22 19 | 1 2 | 24 17 | 1 31 | 20 56 | 0 42 | 1 50 | 2 2 | 34 8 | 15 44 | 23 52 | 23 54 | 20 4 | | | n.a. |
| T 31 | 15n 4 | 18n32 | 3n44 | 21n32 | 1n38 | 5s34 | 2s54 | 23n 2 | 0n32 | 22n17 | 1n 2 | 24s17 | 1s31 | 20n56 | 0n42 | 1s51 | 2n 2 | 34n 8 | 15n44 | 23n52 | 23n54 | 20s 6 | | | n.a. |

Julian Day Number = 997344.5, Delta T = 12h55m19s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'18, Lahiri = -31°17'18 Julian Calendar 1 Aug. 1983 BCE == Greg. Calendar 15 July 1983 BCE

The year -1982 astronomical counting style corresponds to year 1983 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## SEPTEMBER 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 32 29 | 21♌ 7'41 | 4♍12 | 4♌ 8 | 8♎12 | 11♊19 | 26♋46 | 17°R 9 | 1♌29 | 9♎13 | 6♌41 | 3°R33 | 1♋52 | 8♐27 | n.a. | W 1 |
| T 2 | 21 36 26 | 22° 7'29 | 17°44 | 5°34 | 9°12 | 11°52 | 26°59 | 17♑ 5 | 1°33 | 9°15 | 6°44 | 3♋24 | 1°49 | 8°34 | n.a. | T 2 |
| F 3 | 21 40 22 | 23° 7'19 | 0♎55 | 7° 4 | 10°12 | 12°25 | 27°11 | 17° 2 | 1°36 | 9°16 | 6°46 | 3°15 | 1°46 | 8°41 | n.a. | F 3 |
| S 4 | 21 44 19 | 24° 7'11 | 13°44 | 8°36 | 11°12 | 12°57 | 27°24 | 16°59 | 1°40 | 9°18 | 6°48 | 3° 8 | 1°43 | 8°47 | n.a. | S 4 |
| S 5 | 21 48 15 | 25° 7'05 | 26°13 | 10°11 | 12°11 | 13°30 | 27°36 | 16°56 | 1°44 | 9°20 | 6°50 | 3° 2 | 1°40 | 8°54 | n.a. | S 5 |
| M 6 | 21 52 12 | 26° 7'01 | 8♏25 | 11°47 | 13°10 | 14° 2 | 27°48 | 16°53 | 1°47 | 9°21 | 6°52 | 2°58 | 1°37 | 9° 1 | n.a. | M 6 |
| T 7 | 21 56 8 | 27° 6'59 | 20°25 | 13°25 | 14° 8 | 14°34 | 28° 1 | 16°50 | 1°51 | 9°23 | 6°55 | 2°56 | 1°33 | 9° 7 | n.a. | T 7 |
| W 8 | 22 0 5 | 28° 6'59 | 2♐16 | 15° 4 | 15° 6 | 15° 6 | 28°13 | 16°47 | 1°54 | 9°25 | 6°57 | 2°D56 | 1°30 | 9°14 | n.a. | W 8 |
| T 9 | 22 4 1 | 29° 7'00 | 14° 5 | 16°44 | 16° 4 | 15°38 | 28°25 | 16°44 | 1°58 | 9°27 | 6°59 | 2°56 | 1°27 | 9°21 | n.a. | T 9 |
| F 10 | 22 7 58 | 0♍ 7'04 | 25°56 | 18°24 | 17° 1 | 16°10 | 28°37 | 16°41 | 2° 1 | 9°29 | 7° 1 | 2°57 | 1°24 | 9°27 | n.a. | F 10 |
| S 11 | 22 11 54 | 1° 7'09 | 7♑55 | 20° 5 | 17°57 | 16°41 | 28°49 | 16°38 | 2° 5 | 9°31 | 7° 3 | 2°R57 | 1°21 | 9°34 | n.a. | S 11 |
| S 12 | 22 15 51 | 2° 7'16 | 20° 6 | 21°46 | 18°54 | 17°13 | 29° 1 | 16°36 | 2° 8 | 9°32 | 7° 5 | 2°56 | 1°17 | 9°41 | n.a. | S 12 |
| M13 | 22 19 48 | 3° 7'25 | 2♒34 | 23°27 | 19°49 | 17°44 | 29°13 | 16°33 | 2°12 | 9°34 | 7° 7 | 2°52 | 1°14 | 9°47 | n.a. | M13 |
| T 14 | 22 23 44 | 4° 7'35 | 15°19 | 25° 8 | 20°44 | 18°15 | 29°25 | 16°31 | 2°15 | 9°36 | 7°10 | 2°45 | 1°11 | 9°54 | n.a. | T 14 |
| W15 | 22 27 41 | 5° 7'48 | 28°24 | 26°49 | 21°38 | 18°46 | 29°37 | 16°29 | 2°18 | 9°38 | 7°12 | 2°36 | 1° 8 | 10° 0 | n.a. | W15 |
| T 16 | 22 31 37 | 6° 8'02 | 11♓47 | 28°30 | 22°32 | 19°17 | 29°48 | 16°27 | 2°22 | 9°40 | 7°14 | 2°26 | 1° 5 | 10° 7 | n.a. | T 16 |
| F 17 | 22 35 34 | 7° 8'19 | 25°26 | 0♍10 | 23°25 | 19°48 | 0♌ 0 | 16°24 | 2°25 | 9°42 | 7°16 | 2°15 | 1° 2 | 10°14 | n.a. | F 17 |
| S 18 | 22 39 30 | 8° 8'37 | 9♈18 | 1°50 | 24°18 | 20°18 | 0°12 | 16°22 | 2°28 | 9°44 | 7°18 | 2° 4 | 0°58 | 10°20 | n.a. | S 18 |
| S 19 | 22 43 27 | 9° 8'57 | 23°19 | 3°30 | 25°10 | 20°49 | 0°23 | 16°21 | 2°31 | 9°46 | 7°20 | 1°55 | 0°55 | 10°27 | n.a. | S 19 |
| M20 | 22 47 23 | 10° 9'20 | 7♉25 | 5°10 | 26° 1 | 21°19 | 0°35 | 16°19 | 2°35 | 9°48 | 7°22 | 1°48 | 0°52 | 10°34 | n.a. | M20 |
| T 21 | 22 51 20 | 11° 9'45 | 21°33 | 6°49 | 26°51 | 21°49 | 0°46 | 16°17 | 2°38 | 9°50 | 7°24 | 1°45 | 0°49 | 10°40 | n.a. | T 21 |
| W22 | 22 55 16 | 12°10'12 | 5♊40 | 8°28 | 27°41 | 22°19 | 0°58 | 16°15 | 2°41 | 9°52 | 7°26 | 1°43 | 0°46 | 10°47 | n.a. | W22 |
| T 23 | 22 59 13 | 13°10'41 | 19°46 | 10° 6 | 28°30 | 22°48 | 1° 9 | 16°14 | 2°44 | 9°54 | 7°28 | 1°D43 | 0°42 | 10°54 | n.a. | T 23 |
| F 24 | 23 3 10 | 14°11'12 | 3♋49 | 11°44 | 29°18 | 23°18 | 1°20 | 16°13 | 2°47 | 9°56 | 7°30 | 1°R43 | 0°39 | 11° 0 | n.a. | F 24 |
| S 25 | 23 7 6 | 15°11'45 | 17°48 | 13°22 | 0♏ 6 | 23°47 | 1°31 | 16°11 | 2°50 | 9°58 | 7°32 | 1°42 | 0°36 | 11° 7 | n.a. | S 25 |
| S 26 | 23 11 3 | 16°12'21 | 1♌44 | 14°59 | 0°52 | 24°16 | 1°42 | 16°10 | 2°53 | 10° 0 | 7°33 | 1°39 | 0°33 | 11°14 | n.a. | S 26 |
| M27 | 23 14 59 | 17°12'58 | 15°33 | 16°36 | 1°38 | 24°45 | 1°53 | 16° 9 | 2°56 | 10° 3 | 7°35 | 1°33 | 0°30 | 11°20 | n.a. | M27 |
| T 28 | 23 18 56 | 18°13'37 | 29°14 | 18°13 | 2°22 | 25°14 | 2° 4 | 16° 8 | 2°59 | 10° 5 | 7°37 | 1°24 | 0°27 | 11°27 | n.a. | T 28 |
| W29 | 23 22 52 | 19°14'18 | 12♍43 | 19°49 | 3° 6 | 25°42 | 2°15 | 16° 7 | 3° 2 | 10° 7 | 7°39 | 1°12 | 0°23 | 11°34 | n.a. | W29 |
| T 30 | 23 26 49 | 20♍15'00 | 25♍59 | 21♍25 | 3♏48 | 26♊10 | 2♌26 | 16♑ 6 | 3♌ 5 | 10♎ 9 | 7♌41 | 0♋59 | 0♋20 | 11♐40 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14n45 | 14n19 | 4n28 | 21n18 | 1n44 | 6s 3 | 3s 0 | 23n 8 | 0n33 | 22n14 | 1n 2 | 24s18 | 1s31 | 20n55 | 0n42 | 1s51 | 2n 2 | 34n 7 | 15n44 | 23n52 | 23n55 | 20s 8 | | n.a. |
| T 2 | 14 25 | 9 28 | 4 56 | 21 1 | 1 49 | 6 32 | 3 5 | 23 13 | 0 34 | 22 12 | 1 2 | 24 18 | 1 31 | 20 54 | 0 42 | 1 52 | 2 2 | 34 7 | 15 44 | 23 53 | 23 55 | 20 10 | | n.a. |
| F 3 | 14 5 | 4 18 | 5 7 | 20 41 | 1 53 | 7 1 | 3 10 | 23 19 | 0 35 | 22 10 | 1 2 | 24 19 | 1 31 | 20 53 | 0 42 | 1 53 | 2 2 | 34 6 | 15 45 | 23 53 | 23 55 | 20 12 | | n.a. |
| S 4 | 13 45 | 0s54 | 5 2 | 20 20 | 1 55 | 7 30 | 3 15 | 23 24 | 0 36 | 22 7 | 1 2 | 24 19 | 1 31 | 20 52 | 0 42 | 1 54 | 2 2 | 34 6 | 15 45 | 23 53 | 23 55 | 20 14 | | n.a. |
| S 5 | 13 25 | 5 56 | 4 43 | 19 56 | 1 57 | 7 58 | 3 20 | 23 29 | 0 37 | 22 5 | 1 3 | 24 20 | 1 31 | 20 52 | 0 42 | 1 54 | 2 2 | 34 5 | 15 45 | 23 53 | 23 55 | 20 15 | | n.a. |
| M 6 | 13 4 | 10 39 | 4 11 | 19 29 | 1 59 | 8 26 | 3 25 | 23 34 | 0 38 | 22 3 | 1 3 | 24 20 | 1 31 | 20 51 | 0 42 | 1 55 | 2 2 | 34 5 | 15 45 | 23 53 | 23 55 | 20 17 | | n.a. |
| T 7 | 12 43 | 14 52 | 3 28 | 19 1 | 1 59 | 8 54 | 3 31 | 23 39 | 0 39 | 22 0 | 1 3 | 24 20 | 1 31 | 20 50 | 0 42 | 1 56 | 2 2 | 34 4 | 15 45 | 23 53 | 23 55 | 20 19 | | n.a. |
| W 8 | 12 22 | 18 28 | 2 37 | 18 32 | 1 59 | 9 22 | 3 36 | 23 44 | 0 40 | 21 58 | 1 3 | 24 21 | 1 31 | 20 49 | 0 42 | 1 57 | 2 2 | 34 4 | 15 46 | 23 53 | 23 55 | 20 21 | | n.a. |
| T 9 | 12 1 | 21 18 | 1 40 | 18 0 | 1 58 | 9 49 | 3 41 | 23 49 | 0 41 | 21 55 | 1 3 | 24 21 | 1 31 | 20 48 | 0 42 | 1 57 | 2 2 | 34 4 | 15 46 | 23 53 | 23 55 | 20 23 | | n.a. |
| F 10 | 11 39 | 23 14 | 0 38 | 17 27 | 1 56 | 10 16 | 3 45 | 23 53 | 0 42 | 21 53 | 1 3 | 24 21 | 1 31 | 20 48 | 0 42 | 1 58 | 2 2 | 34 3 | 15 46 | 23 53 | 23 55 | 20 25 | | n.a. |
| S 11 | 11 18 | 24 7 | 0s27 | 16 53 | 1 54 | 10 43 | 3 50 | 23 58 | 0 43 | 21 51 | 1 3 | 24 22 | 1 31 | 20 47 | 0 42 | 1 59 | 2 2 | 34 3 | 15 46 | 23 53 | 23 55 | 20 26 | | n.a. |
| S 12 | 10 56 | 23 52 | 1 31 | 16 17 | 1 51 | 11 9 | 3 55 | 24 2 | 0 45 | 21 48 | 1 4 | 24 22 | 1 31 | 20 46 | 0 42 | 2 0 | 2 2 | 34 3 | 15 47 | 23 53 | 23 55 | 20 28 | | n.a. |
| M13 | 10 34 | 22 26 | 2 31 | 15 40 | 1 48 | 11 35 | 4 0 | 24 6 | 0 46 | 21 46 | 1 4 | 24 22 | 1 31 | 20 45 | 0 42 | 2 1 | 2 2 | 34 2 | 15 47 | 23 53 | 23 55 | 20 30 | | n.a. |
| T 14 | 10 12 | 19 50 | 3 26 | 15 3 | 1 45 | 12 1 | 4 5 | 24 10 | 0 47 | 21 44 | 1 4 | 24 22 | 1 30 | 20 45 | 0 42 | 2 1 | 2 2 | 34 2 | 15 47 | 23 54 | 23 55 | 20 32 | | n.a. |
| W15 | 9 49 | 16 11 | 4 11 | 14 24 | 1 41 | 12 26 | 4 9 | 24 14 | 0 48 | 21 41 | 1 4 | 24 23 | 1 30 | 20 44 | 0 42 | 2 2 | 2 1 | 34 1 | 15 47 | 23 54 | 23 55 | 20 34 | | n.a. |
| T 16 | 9 27 | 11 38 | 4 44 | 13 44 | 1 37 | 12 51 | 4 14 | 24 18 | 0 49 | 21 39 | 1 4 | 24 23 | 1 30 | 20 43 | 0 42 | 2 3 | 2 1 | 34 1 | 15 48 | 23 54 | 23 55 | 20 36 | | n.a. |
| F 17 | 9 4 | 6 26 | 5 1 | 13 4 | 1 32 | 13 15 | 4 18 | 24 22 | 0 50 | 21 36 | 1 4 | 24 23 | 1 30 | 20 42 | 0 42 | 2 4 | 2 1 | 34 1 | 15 48 | 23 54 | 23 55 | 20 37 | | n.a. |
| S 18 | 8 41 | 0 50 | 5 0 | 12 23 | 1 27 | 13 39 | 4 22 | 24 25 | 0 52 | 21 34 | 1 5 | 24 23 | 1 30 | 20 42 | 0 42 | 2 5 | 2 1 | 34 1 | 15 48 | 23 54 | 23 55 | 20 39 | | n.a. |
| S 19 | 8 18 | 4n53 | 4 42 | 11 42 | 1 22 | 14 3 | 4 27 | 24 29 | 0 53 | 21 32 | 1 5 | 24 24 | 1 30 | 20 41 | 0 42 | 2 5 | 2 1 | 34 0 | 15 49 | 23 54 | 23 55 | 20 41 | | n.a. |
| M20 | 7 55 | 10 23 | 4 7 | 11 0 | 1 17 | 14 26 | 4 31 | 24 32 | 0 54 | 21 29 | 1 5 | 24 24 | 1 30 | 20 40 | 0 42 | 2 6 | 2 1 | 34 0 | 15 49 | 23 55 | 23 55 | 20 43 | | n.a. |
| T 21 | 7 31 | 15 22 | 3 16 | 10 18 | 1 12 | 14 48 | 4 35 | 24 35 | 0 55 | 21 27 | 1 5 | 24 24 | 1 30 | 20 39 | 0 42 | 2 7 | 2 1 | 34 0 | 15 49 | 23 55 | 23 55 | 20 44 | | n.a. |
| W22 | 7 8 | 19 29 | 2 14 | 9 35 | 1 6 | 15 11 | 4 39 | 24 38 | 0 57 | 21 25 | 1 5 | 24 24 | 1 30 | 20 39 | 0 43 | 2 8 | 2 1 | 34 0 | 15 49 | 23 55 | 23 55 | 20 46 | | n.a. |
| T 23 | 6 44 | 22 28 | 1 3 | 8 52 | 1 0 | 15 32 | 4 42 | 24 41 | 0 58 | 21 22 | 1 5 | 24 24 | 1 30 | 20 38 | 0 43 | 2 9 | 2 1 | 33 59 | 15 50 | 23 55 | 23 55 | 20 48 | | n.a. |
| F 24 | 6 21 | 24 3 | 0n11 | 8 8 | 0 54 | 15 53 | 4 46 | 24 44 | 0 59 | 21 20 | 1 6 | 24 24 | 1 30 | 20 37 | 0 43 | 2 10 | 2 1 | 33 59 | 15 50 | 23 55 | 23 55 | 20 50 | | n.a. |
| S 25 | 5 57 | 24 6 | 1 24 | 7 24 | 0 48 | 16 14 | 4 50 | 24 47 | 1 0 | 21 17 | 1 6 | 24 24 | 1 30 | 20 37 | 0 43 | 2 11 | 2 1 | 33 59 | 15 50 | 23 55 | 23 55 | 20 52 | | n.a. |
| S 26 | 5 33 | 22 38 | 2 32 | 6 41 | 0 42 | 16 34 | 4 53 | 24 49 | 1 2 | 21 15 | 1 6 | 24 24 | 1 30 | 20 36 | 0 43 | 2 11 | 2 1 | 33 59 | 15 51 | 23 55 | 23 55 | 20 53 | | n.a. |
| M27 | 5 9 | 19 50 | 3 30 | 5 57 | 0 36 | 16 53 | 4 56 | 24 52 | 1 3 | 21 13 | 1 6 | 24 24 | 1 30 | 20 35 | 0 43 | 2 12 | 2 1 | 33 58 | 15 51 | 23 55 | 23 55 | 20 55 | | n.a. |
| T 28 | 4 45 | 15 56 | 4 15 | 5 12 | 0 30 | 17 12 | 4 59 | 24 54 | 1 4 | 21 10 | 1 6 | 24 25 | 1 30 | 20 35 | 0 43 | 2 13 | 2 1 | 33 58 | 15 52 | 23 55 | 23 55 | 20 57 | | n.a. |
| W29 | 4 21 | 11 17 | 4 45 | 4 28 | 0 23 | 17 30 | 5 2 | 24 57 | 1 6 | 21 8 | 1 7 | 24 25 | 1 30 | 20 34 | 0 43 | 2 14 | 2 1 | 33 58 | 15 52 | 23 55 | 23 55 | 20 59 | | n.a. |
| T 30 | 3n56 | 6n11 | 4n59 | 3n44 | 0n17 | 17s48 | 5s 5 | 24n59 | 1n 7 | 21n 6 | 1n 7 | 24s25 | 1s30 | 20n33 | 0n43 | 2s15 | 2n 1 | 33n58 | 15n52 | 23n55 | 23n55 | 21s 0 | | n.a. |

Julian Day Number = 997375.5, Delta T = 12h55m17s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'14, Lahiri = -31°17'13 Julian Calendar 1 Sept. 1983 BCE == Greg. Calendar 15 Aug. 1983 BCE


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## OCTOBER 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 30 45 | 21♍15'44 | 8♎58 | 23♍ 1 | 4♏30 | 26♊38 | 2♌36 | 16°R 6 | 3♌ 8 | 10♎11 | 7♌43 | 0°R46 | 0♋17 | 11♐47 | n.a. | F 1 |
| S 2 | 23 34 42 | 22°16'30 | 21°40 | 24°36 | 5°10 | 27° 6 | 2°47 | 16♑ 5 | 3°11 | 10°13 | 7°44 | 0♋33 | 0°14 | 11°54 | n.a. | S 2 |
| S 3 | 23 38 39 | 23°17'17 | 4♏ 5 | 26°11 | 5°50 | 27°34 | 2°57 | 16° 5 | 3°14 | 10°15 | 7°46 | 0°23 | 0°11 | 12° 0 | n.a. | S 3 |
| M 4 | 23 42 35 | 24°18'05 | 16°15 | 27°46 | 6°28 | 28° 1 | 3° 8 | 16° 4 | 3°16 | 10°18 | 7°48 | 0°15 | 0° 8 | 12° 7 | n.a. | M 4 |
| T 5 | 23 46 32 | 25°18'55 | 28°13 | 29°20 | 7° 4 | 28°28 | 3°18 | 16° 4 | 3°19 | 10°20 | 7°50 | 0°10 | 0° 4 | 12°14 | n.a. | T 5 |
| W 6 | 23 50 28 | 26°19'46 | 10♐ 3 | 0♎55 | 7°40 | 28°55 | 3°28 | 16° 4 | 3°22 | 10°22 | 7°51 | 0° 7 | 0° 1 | 12°20 | n.a. | W 6 |
| T 7 | 23 54 25 | 27°20'38 | 21°51 | 2°29 | 8°14 | 29°22 | 3°38 | 16°D 4 | 3°24 | 10°24 | 7°53 | 0° 6 | 29♊58 | 12°27 | n.a. | T 7 |
| F 8 | 23 58 21 | 28°21'32 | 3♑41 | 4° 3 | 8°47 | 29°48 | 3°48 | 16° 4 | 3°27 | 10°27 | 7°55 | 0° 6 | 29°55 | 12°34 | n.a. | F 8 |
| S 9 | 0 2 18 | 29°22'26 | 15°39 | 5°36 | 9°18 | 0♋14 | 3°58 | 16° 4 | 3°30 | 10°29 | 7°56 | 0° 6 | 29°52 | 12°40 | n.a. | S 9 |
| S 10 | 0 6 14 | 0♎23'22 | 27°51 | 7°10 | 9°47 | 0°40 | 4° 8 | 16° 5 | 3°32 | 10°31 | 7°58 | 0° 4 | 29°48 | 12°47 | n.a. | S 10 |
| M11 | 0 10 11 | 1°24'18 | 10♒22 | 8°43 | 10°15 | 1° 5 | 4°18 | 16° 5 | 3°35 | 10°33 | 7°59 | 29♊59 | 29°45 | 12°53 | n.a. | M11 |
| T 12 | 0 14 8 | 2°25'16 | 23°14 | 10°16 | 10°42 | 1°31 | 4°27 | 16° 6 | 3°37 | 10°35 | 8° 1 | 29°52 | 29°42 | 13° 0 | n.a. | T 12 |
| W13 | 0 18 4 | 3°26'15 | 6♓32 | 11°49 | 11° 6 | 1°56 | 4°37 | 16° 6 | 3°39 | 10°38 | 8° 2 | 29°42 | 29°39 | 13° 7 | n.a. | W13 |
| T 14 | 0 22 1 | 4°27'14 | 20°13 | 13°22 | 11°29 | 2°21 | 4°46 | 16° 7 | 3°42 | 10°40 | 8° 4 | 29°30 | 29°36 | 13°13 | n.a. | T 14 |
| F 15 | 0 25 57 | 5°28'15 | 4♈15 | 14°55 | 11°50 | 2°45 | 4°56 | 16° 8 | 3°44 | 10°42 | 8° 5 | 29°17 | 29°33 | 13°20 | n.a. | F 15 |
| S 16 | 0 29 54 | 6°29'17 | 18°34 | 16°28 | 12° 9 | 3° 9 | 5° 5 | 16° 9 | 3°46 | 10°44 | 8° 7 | 29° 5 | 29°29 | 13°27 | n.a. | S 16 |
| S 17 | 0 33 50 | 7°30'20 | 3♉ 4 | 18° 0 | 12°26 | 3°33 | 5°14 | 16°10 | 3°48 | 10°47 | 8° 8 | 28°55 | 29°26 | 13°33 | n.a. | S 17 |
| M18 | 0 37 47 | 8°31'24 | 17°36 | 19°33 | 12°40 | 3°57 | 5°23 | 16°11 | 3°51 | 10°49 | 8° 9 | 28°47 | 29°23 | 13°40 | n.a. | M18 |
| T 19 | 0 41 43 | 9°32'30 | 2♊ 6 | 21° 5 | 12°53 | 4°20 | 5°32 | 16°12 | 3°53 | 10°51 | 8°11 | 28°42 | 29°20 | 13°47 | n.a. | T 19 |
| W20 | 0 45 40 | 10°33'37 | 16°29 | 22°37 | 13° 4 | 4°43 | 5°40 | 16°14 | 3°55 | 10°54 | 8°12 | 28°40 | 29°17 | 13°53 | n.a. | W20 |
| T 21 | 0 49 37 | 11°34'45 | 0♋41 | 24° 9 | 13°12 | 5° 6 | 5°49 | 16°15 | 3°57 | 10°56 | 8°13 | 28°D39 | 29°14 | 14° 0 | n.a. | T 21 |
| F 22 | 0 53 33 | 12°35'55 | 14°41 | 25°41 | 13°18 | 5°28 | 5°57 | 16°17 | 3°59 | 10°58 | 8°15 | 28°R40 | 29°10 | 14° 7 | n.a. | F 22 |
| S 23 | 0 57 30 | 13°37'06 | 28°30 | 27°12 | 13°22 | 5°50 | 6° 6 | 16°19 | 4° 1 | 11° 0 | 8°16 | 28°39 | 29° 7 | 14°13 | n.a. | S 23 |
| S 24 | 1 1 26 | 14°38'18 | 12♌ 8 | 28°44 | 13°R23 | 6°12 | 6°14 | 16°20 | 4° 2 | 11° 3 | 8°17 | 28°36 | 29° 4 | 14°20 | n.a. | S 24 |
| M25 | 1 5 23 | 15°39'30 | 25°35 | 0♏15 | 13°22 | 6°33 | 6°22 | 16°22 | 4° 4 | 11° 5 | 8°18 | 28°30 | 29° 1 | 14°27 | n.a. | M25 |
| T 26 | 1 9 19 | 16°40'44 | 8♍51 | 1°45 | 13°18 | 6°54 | 6°30 | 16°24 | 4° 6 | 11° 7 | 8°19 | 28°22 | 28°58 | 14°33 | n.a. | T 26 |
| W27 | 1 13 16 | 17°41'59 | 21°57 | 3°15 | 13°12 | 7°15 | 6°38 | 16°27 | 4° 8 | 11° 9 | 8°20 | 28°11 | 28°54 | 14°40 | n.a. | W27 |
| T 28 | 1 17 12 | 18°43'14 | 4♎50 | 4°45 | 13° 4 | 7°35 | 6°45 | 16°29 | 4° 9 | 11°12 | 8°21 | 27°58 | 28°51 | 14°47 | n.a. | T 28 |
| F 29 | 1 21 9 | 19°44'31 | 17°31 | 6°14 | 12°53 | 7°55 | 6°53 | 16°31 | 4°11 | 11°14 | 8°22 | 27°45 | 28°48 | 14°53 | n.a. | F 29 |
| S 30 | 1 25 6 | 20°45'48 | 29°59 | 7°42 | 12°39 | 8°14 | 7° 0 | 16°34 | 4°12 | 11°16 | 8°23 | 27°33 | 28°45 | 15° 0 | n.a. | S 30 |
| S 31 | 1 29 2 | 21♎47'05 | 12♏15 | 9♏ 9 | 12♏23 | 8♋33 | 7♌ 8 | 16♑36 | 4♌14 | 11♎18 | 8♌24 | 27♊22 | 28♊42 | 15♐ 6 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3n32 | 0n55 | 4n57 | 2n59 | 0n11 | 18s 5 | 5s 7 | 25n 1 | 1n 8 | 21n 4 | 1n 7 | 24s25 | 1s29 | 20n33 | 0n43 | 2s16 | 2n 1 | 33n58 | 15n53 | 23n55 | 23n55 | 21s 2 | | n.a. |
| S 2 | 3 7 | 4s17 | 4 41 | 2 15 | 0 4 | 18 21 | 5 10 | 25 3 | 1 10 | 21 1 | 1 7 | 24 25 | 1 29 | 20 32 | 0 43 | 2 17 | 2 1 | 33 58 | 15 53 | 23 55 | 23 55 | 21 4 | | n.a. |
| S 3 | 2 43 | 9 13 | 4 11 | 1 31 | 0s 2 | 18 37 | 5 12 | 25 5 | 1 11 | 20 59 | 1 7 | 24 25 | 1 29 | 20 31 | 0 43 | 2 18 | 2 1 | 33 58 | 15 54 | 23 55 | 23 55 | 21 5 | | n.a. |
| M 4 | 2 18 | 13 41 | 3 30 | 0 46 | 0 9 | 18 52 | 5 14 | 25 7 | 1 13 | 20 57 | 1 8 | 24 25 | 1 29 | 20 31 | 0 43 | 2 19 | 2 1 | 33 57 | 15 54 | 23 55 | 23 55 | 21 7 | | n.a. |
| T 5 | 1 54 | 17 34 | 2 40 | 0 2 | 0 15 | 19 6 | 5 16 | 25 9 | 1 14 | 20 55 | 1 8 | 24 25 | 1 29 | 20 30 | 0 43 | 2 19 | 2 1 | 33 57 | 15 54 | 23 55 | 23 55 | 21 9 | | n.a. |
| W 6 | 1 29 | 20 41 | 1 44 | 0s42 | 0 22 | 19 19 | 5 17 | 25 10 | 1 15 | 20 52 | 1 8 | 24 24 | 1 29 | 20 29 | 0 43 | 2 20 | 2 1 | 33 57 | 15 55 | 23 55 | 23 55 | 21 11 | | n.a. |
| T 7 | 1 5 | 22 56 | 0 44 | 1 26 | 0 28 | 19 32 | 5 18 | 25 12 | 1 17 | 20 50 | 1 8 | 24 24 | 1 29 | 20 29 | 0 43 | 2 21 | 2 1 | 33 57 | 15 55 | 23 55 | 23 55 | 21 12 | | n.a. |
| F 8 | 0 40 | 24 11 | 0s19 | 2 10 | 0 34 | 19 44 | 5 19 | 25 14 | 1 18 | 20 48 | 1 8 | 24 24 | 1 29 | 20 28 | 0 43 | 2 22 | 2 1 | 33 57 | 15 56 | 23 55 | 23 55 | 21 14 | | n.a. |
| S 9 | 0 15 | 24 20 | 1 21 | 2 53 | 0 41 | 19 55 | 5 20 | 25 15 | 1 20 | 20 46 | 1 9 | 24 24 | 1 29 | 20 28 | 0 43 | 2 23 | 2 1 | 33 57 | 15 56 | 23 55 | 23 55 | 21 16 | | n.a. |
| S 10 | 0s 9 | 23 19 | 2 21 | 3 37 | 0 47 | 20 5 | 5 20 | 25 17 | 1 21 | 20 44 | 1 9 | 24 24 | 1 29 | 20 27 | 0 43 | 2 24 | 2 1 | 33 57 | 15 57 | 23 55 | 23 55 | 21 17 | | n.a. |
| M11 | 0 34 | 21 8 | 3 16 | 4 20 | 0 53 | 20 15 | 5 21 | 25 18 | 1 23 | 20 41 | 1 9 | 24 24 | 1 29 | 20 27 | 0 43 | 2 25 | 2 1 | 33 57 | 15 57 | 23 55 | 23 55 | 21 19 | | n.a. |
| T 12 | 0 59 | 17 50 | 4 2 | 5 3 | 0 59 | 20 23 | 5 20 | 25 19 | 1 24 | 20 39 | 1 9 | 24 24 | 1 29 | 20 26 | 0 43 | 2 26 | 2 1 | 33 57 | 15 57 | 23 55 | 23 55 | 21 21 | | n.a. |
| W13 | 1 24 | 13 34 | 4 37 | 5 46 | 1 5 | 20 30 | 5 20 | 25 20 | 1 26 | 20 37 | 1 10 | 24 24 | 1 29 | 20 26 | 0 43 | 2 27 | 2 1 | 33 57 | 15 58 | 23 55 | 23 55 | 21 22 | | n.a. |
| T 14 | 1 48 | 8 29 | 4 56 | 6 28 | 1 11 | 20 37 | 5 19 | 25 22 | 1 27 | 20 35 | 1 10 | 24 23 | 1 28 | 20 25 | 0 43 | 2 28 | 2 1 | 33 57 | 15 58 | 23 55 | 23 55 | 21 24 | | n.a. |
| F 15 | 2 13 | 2 50 | 4 59 | 7 10 | 1 17 | 20 43 | 5 18 | 25 23 | 1 29 | 20 33 | 1 10 | 24 23 | 1 28 | 20 25 | 0 43 | 2 28 | 2 1 | 33 57 | 15 59 | 23 55 | 23 55 | 21 26 | | n.a. |
| S 16 | 2 38 | 3n 4 | 4 43 | 7 52 | 1 22 | 20 47 | 5 16 | 25 24 | 1 31 | 20 31 | 1 10 | 24 23 | 1 28 | 20 24 | 0 43 | 2 29 | 2 1 | 33 57 | 15 59 | 23 55 | 23 55 | 21 28 | | n.a. |
| S 17 | 3 2 | 8 53 | 4 9 | 8 33 | 1 28 | 20 51 | 5 14 | 25 25 | 1 32 | 20 29 | 1 11 | 24 23 | 1 28 | 20 24 | 0 43 | 2 30 | 2 1 | 33 57 | 16 0 | 23 55 | 23 55 | 21 29 | | n.a. |
| M18 | 3 27 | 14 15 | 3 19 | 9 13 | 1 33 | 20 53 | 5 12 | 25 26 | 1 34 | 20 27 | 1 11 | 24 23 | 1 28 | 20 23 | 0 43 | 2 31 | 2 1 | 33 57 | 16 0 | 23 55 | 23 55 | 21 31 | | n.a. |
| T 19 | 3 51 | 18 47 | 2 16 | 9 54 | 1 38 | 20 54 | 5 9 | 25 27 | 1 36 | 20 25 | 1 11 | 24 22 | 1 28 | 20 23 | 0 43 | 2 32 | 2 1 | 33 57 | 16 1 | 23 55 | 23 55 | 21 33 | | n.a. |
| W20 | 4 16 | 22 9 | 1 4 | 10 33 | 1 43 | 20 54 | 5 5 | 25 27 | 1 37 | 20 23 | 1 11 | 24 22 | 1 28 | 20 22 | 0 44 | 2 33 | 2 1 | 33 57 | 16 1 | 23 55 | 23 55 | 21 34 | | n.a. |
| T 21 | 4 40 | 24 6 | 0n11 | 11 12 | 1 47 | 20 54 | 5 2 | 25 28 | 1 39 | 20 21 | 1 12 | 24 22 | 1 28 | 20 22 | 0 44 | 2 34 | 2 1 | 33 58 | 16 2 | 23 55 | 23 55 | 21 36 | | n.a. |
| F 22 | 5 4 | 24 29 | 1 24 | 11 51 | 1 52 | 20 51 | 4 57 | 25 29 | 1 41 | 20 19 | 1 12 | 24 22 | 1 28 | 20 21 | 0 44 | 2 35 | 2 1 | 33 58 | 16 2 | 23 55 | 23 55 | 21 37 | | n.a. |
| S 23 | 5 29 | 23 20 | 2 31 | 12 29 | 1 56 | 20 48 | 4 52 | 25 30 | 1 42 | 20 17 | 1 12 | 24 21 | 1 28 | 20 21 | 0 44 | 2 36 | 2 1 | 33 58 | 16 3 | 23 55 | 23 55 | 21 39 | | n.a. |
| S 24 | 5 53 | 20 50 | 3 29 | 13 6 | 1 59 | 20 43 | 4 47 | 25 31 | 1 44 | 20 15 | 1 12 | 24 21 | 1 28 | 20 20 | 0 44 | 2 37 | 2 1 | 33 58 | 16 3 | 23 55 | 23 55 | 21 41 | | n.a. |
| M25 | 6 17 | 17 13 | 4 14 | 13 42 | 2 3 | 20 37 | 4 41 | 25 31 | 1 46 | 20 14 | 1 13 | 24 21 | 1 28 | 20 20 | 0 44 | 2 38 | 2 1 | 33 58 | 16 4 | 23 55 | 23 55 | 21 42 | | n.a. |
| T 26 | 6 41 | 12 47 | 4 45 | 14 17 | 2 6 | 20 30 | 4 35 | 25 32 | 1 48 | 20 12 | 1 13 | 24 20 | 1 28 | 20 20 | 0 44 | 2 38 | 2 1 | 33 58 | 16 4 | 23 55 | 23 55 | 21 44 | | n.a. |
| W27 | 7 5 | 7 50 | 5 0 | 14 52 | 2 9 | 20 22 | 4 28 | 25 33 | 1 50 | 20 10 | 1 13 | 24 20 | 1 27 | 20 19 | 0 44 | 2 39 | 2 1 | 33 58 | 16 5 | 23 55 | 23 55 | 21 46 | | n.a. |
| T 28 | 7 29 | 2 37 | 5 0 | 15 25 | 2 11 | 20 12 | 4 20 | 25 33 | 1 51 | 20 8 | 1 13 | 24 20 | 1 27 | 20 19 | 0 44 | 2 40 | 2 1 | 33 59 | 16 5 | 23 54 | 23 55 | 21 47 | | n.a. |
| F 29 | 7 52 | 2s39 | 4 44 | 15 58 | 2 13 | 20 0 | 4 12 | 25 34 | 1 53 | 20 7 | 1 14 | 24 19 | 1 27 | 20 19 | 0 44 | 2 41 | 2 1 | 33 59 | 16 6 | 23 54 | 23 55 | 21 49 | | n.a. |
| S 30 | 8 16 | 7 43 | 4 16 | 16 29 | 2 15 | 19 48 | 4 3 | 25 35 | 1 55 | 20 5 | 1 14 | 24 19 | 1 27 | 20 18 | 0 44 | 2 42 | 2 1 | 33 59 | 16 7 | 23 54 | 23 55 | 21 50 | | n.a. |
| S 31 | 8s39 | 12s25 | 3n35 | 16s59 | 2s16 | 19s34 | 3s54 | 25n35 | 1n57 | 20n 3 | 1n14 | 24s18 | 1s27 | 20n18 | 0n44 | 2s43 | 2n 1 | 33n59 | 16n 7 | 23n54 | 23n55 | 21s52 | | n.a. |

Julian Day Number = 997405.5, Delta T = 12h55m15s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'10, Lahiri = -31°17'09 Julian Calendar 1 Oct. 1983 BCE == Greg. Calendar 14 Sept. 1983 BCE

The year -1982 astronomical counting style corresponds to year 1983 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## NOVEMBER 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 32 59 | 22♎48'23 | 24♏19 | 10♏35 | 12°R 5 | 8♋51 | 7♌15 | 16♑39 | 4♌15 | 11♎21 | 8♌25 | 27°R14 | 28♊39 | 15♐13 | n.a. | M 1 |
| T 2 | 1 36 55 | 23°49'41 | 6♐14 | 12° 0 | 11♏44 | 9°10 | 7°22 | 16°42 | 4°17 | 11°23 | 8°26 | 27♊ 9 | 28°35 | 15°20 | n.a. | T 2 |
| W 3 | 1 40 52 | 24°51'00 | 18° 2 | 13°24 | 11°21 | 9°27 | 7°29 | 16°44 | 4°18 | 11°25 | 8°27 | 27° 7 | 28°32 | 15°26 | n.a. | W 3 |
| T 4 | 1 44 48 | 25°52'19 | 29°48 | 14°45 | 10°56 | 9°45 | 7°35 | 16°47 | 4°19 | 11°27 | 8°28 | 27°D 7 | 28°29 | 15°33 | n.a. | T 4 |
| F 5 | 1 48 45 | 26°53'38 | 11♑36 | 16° 4 | 10°29 | 10° 1 | 7°42 | 16°50 | 4°21 | 11°29 | 8°29 | 27° 7 | 28°26 | 15°40 | n.a. | F 5 |
| S 6 | 1 52 42 | 27°54'57 | 23°32 | 17°21 | 10° 0 | 10°18 | 7°48 | 16°54 | 4°22 | 11°32 | 8°29 | 27°R 8 | 28°23 | 15°46 | n.a. | S 6 |
| S 7 | 1 56 38 | 28°56'16 | 5♒41 | 18°35 | 9°29 | 10°34 | 7°54 | 16°57 | 4°23 | 11°34 | 8°30 | 27° 8 | 28°19 | 15°53 | n.a. | S 7 |
| M 8 | 2 0 35 | 29°57'35 | 18° 9 | 19°45 | 8°57 | 10°49 | 8° 1 | 17° 0 | 4°24 | 11°36 | 8°31 | 27° 6 | 28°16 | 16° 0 | n.a. | M 8 |
| T 9 | 2 4 31 | 0♏58'54 | 1♓ 0 | 20°52 | 8°24 | 11° 4 | 8° 7 | 17° 4 | 4°25 | 11°38 | 8°32 | 27° 2 | 28°13 | 16° 6 | n.a. | T 9 |
| W10 | 2 8 28 | 2° 0'13 | 14°17 | 21°53 | 7°49 | 11°18 | 8°12 | 17° 7 | 4°26 | 11°40 | 8°32 | 26°55 | 28°10 | 16°13 | n.a. | W10 |
| T 11 | 2 12 24 | 3° 1'31 | 28° 3 | 22°50 | 7°13 | 11°32 | 8°18 | 17°11 | 4°27 | 11°43 | 8°33 | 26°47 | 28° 7 | 16°20 | n.a. | T 11 |
| F 12 | 2 16 21 | 4° 2'50 | 12♈16 | 23°40 | 6°37 | 11°46 | 8°23 | 17°15 | 4°28 | 11°45 | 8°33 | 26°38 | 28° 4 | 16°26 | n.a. | F 12 |
| S 13 | 2 20 17 | 5° 4'08 | 26°51 | 24°23 | 6° 0 | 11°58 | 8°29 | 17°18 | 4°28 | 11°47 | 8°34 | 26°30 | 28° 0 | 16°33 | n.a. | S 13 |
| S 14 | 2 24 14 | 6° 5'27 | 11♉42 | 24°58 | 5°23 | 12°11 | 8°34 | 17°22 | 4°29 | 11°49 | 8°34 | 26°22 | 27°57 | 16°40 | n.a. | S 14 |
| M15 | 2 28 11 | 7° 6'45 | 26°40 | 25°24 | 4°47 | 12°23 | 8°39 | 17°26 | 4°30 | 11°51 | 8°35 | 26°17 | 27°54 | 16°46 | n.a. | M15 |
| T 16 | 2 32 7 | 8° 8'04 | 11♊36 | 25°41 | 4°10 | 12°34 | 8°44 | 17°30 | 4°30 | 11°53 | 8°35 | 26°13 | 27°51 | 16°53 | n.a. | T 16 |
| W17 | 2 36 4 | 9° 9'23 | 26°23 | 25°R47 | 3°35 | 12°44 | 8°48 | 17°35 | 4°31 | 11°55 | 8°36 | 26°D12 | 27°48 | 17° 0 | n.a. | W17 |
| T 18 | 2 40 0 | 10°10'42 | 10♋54 | 25°42 | 3° 0 | 12°54 | 8°53 | 17°39 | 4°31 | 11°57 | 8°36 | 26°13 | 27°45 | 17° 6 | n.a. | T 18 |
| F 19 | 2 43 57 | 11°12'01 | 25° 7 | 25°25 | 2°27 | 13° 4 | 8°57 | 17°43 | 4°32 | 11°59 | 8°36 | 26°14 | 27°41 | 17°13 | n.a. | F 19 |
| S 20 | 2 47 53 | 12°13'20 | 9♌ 1 | 24°57 | 1°55 | 13°13 | 9° 1 | 17°48 | 4°32 | 12° 1 | 8°37 | 26°R15 | 27°38 | 17°19 | n.a. | S 20 |
| S 21 | 2 51 50 | 13°14'39 | 22°35 | 24°16 | 1°24 | 13°21 | 9° 5 | 17°52 | 4°33 | 12° 3 | 8°37 | 26°15 | 27°35 | 17°26 | n.a. | S 21 |
| M22 | 2 55 47 | 14°15'57 | 5♍51 | 23°25 | 0°55 | 13°29 | 9° 9 | 17°57 | 4°33 | 12° 5 | 8°37 | 26°13 | 27°32 | 17°33 | n.a. | M22 |
| T 23 | 2 59 43 | 15°17'16 | 18°52 | 22°24 | 0°28 | 13°36 | 9°12 | 18° 1 | 4°33 | 12° 7 | 8°37 | 26° 8 | 27°29 | 17°39 | n.a. | T 23 |
| W24 | 3 3 40 | 16°18'35 | 1♎38 | 21°15 | 0° 3 | 13°42 | 9°16 | 18° 6 | 4°33 | 12° 9 | 8°38 | 26° 3 | 27°25 | 17°46 | n.a. | W24 |
| T 25 | 3 7 36 | 17°19'53 | 14°12 | 20° 0 | 29♎41 | 13°47 | 9°19 | 18°11 | 4°33 | 12°11 | 8°38 | 25°56 | 27°22 | 17°53 | n.a. | T 25 |
| F 26 | 3 11 33 | 18°21'11 | 26°35 | 18°41 | 29°20 | 13°52 | 9°22 | 18°16 | 4°R33 | 12°13 | 8°38 | 25°48 | 27°19 | 17°59 | n.a. | F 26 |
| S 27 | 3 15 29 | 19°22'28 | 8♏47 | 17°21 | 29° 2 | 13°57 | 9°25 | 18°21 | 4°33 | 12°15 | 8°38 | 25°41 | 27°16 | 18° 6 | n.a. | S 27 |
| S 28 | 3 19 26 | 20°23'45 | 20°51 | 16° 3 | 28°47 | 14° 0 | 9°28 | 18°26 | 4°33 | 12°17 | 8°R38 | 25°35 | 27°13 | 18°13 | n.a. | S 28 |
| M29 | 3 23 22 | 21°25'02 | 2♐47 | 14°49 | 28°33 | 14° 3 | 9°30 | 18°31 | 4°33 | 12°19 | 8°38 | 25°31 | 27°10 | 18°19 | n.a. | M29 |
| T 30 | 3 27 19 | 22♏26'18 | 14♐37 | 13♏40 | 28♎23 | 14♋ 5 | 9♌33 | 18♑36 | 4♌33 | 12♎21 | 8♌38 | 25♊29 | 27♊ 6 | 18♐26 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 9s 3 | 16s33 | 2n46 | 17s27 | 2s17 | 19s19 | 3s44 | 25n36 | 1n59 | 20n 2 | 1n14 | 24s18 | 1s27 | 20n18 | 0n44 | 2s44 | 2n 1 | 34n 0 | 16n 8 | 23n54 | 23n55 | 21s54 | | n.a. |
| T 2 | 9 26 | 19 59 | 1 49 | 17 54 | 2 17 | 19 2 | 3 33 | 25 37 | 2 1 | 20 0 | 1 15 | 24 18 | 1 27 | 20 17 | 0 44 | 2 45 | 2 1 | 34 0 | 16 8 | 23 53 | 23 55 | 21 55 | | n.a. |
| W 3 | 9 49 | 22 34 | 0 48 | 18 20 | 2 16 | 18 44 | 3 22 | 25 37 | 2 3 | 19 59 | 1 15 | 24 17 | 1 27 | 20 17 | 0 44 | 2 45 | 2 1 | 34 0 | 16 9 | 23 53 | 23 55 | 21 57 | | n.a. |
| T 4 | 10 11 | 24 10 | 0s14 | 18 44 | 2 15 | 18 25 | 3 11 | 25 38 | 2 5 | 19 57 | 1 15 | 24 17 | 1 27 | 20 17 | 0 44 | 2 46 | 2 1 | 34 0 | 16 9 | 23 53 | 23 55 | 21 58 | | n.a. |
| F 5 | 10 34 | 24 41 | 1 17 | 19 5 | 2 13 | 18 5 | 2 58 | 25 39 | 2 7 | 19 56 | 1 16 | 24 16 | 1 27 | 20 17 | 0 44 | 2 47 | 2 1 | 34 1 | 16 10 | 23 53 | 23 55 | 22 0 | | n.a. |
| S 6 | 10 57 | 24 4 | 2 17 | 19 25 | 2 10 | 17 43 | 2 45 | 25 40 | 2 9 | 19 54 | 1 16 | 24 16 | 1 27 | 20 16 | 0 44 | 2 48 | 2 1 | 34 1 | 16 10 | 23 53 | 23 55 | 22 2 | | n.a. |
| S 7 | 11 19 | 22 19 | 3 12 | 19 43 | 2 6 | 17 20 | 2 32 | 25 40 | 2 11 | 19 53 | 1 16 | 24 15 | 1 27 | 20 16 | 0 44 | 2 49 | 2 1 | 34 1 | 16 11 | 23 53 | 23 55 | 22 3 | | n.a. |
| M 8 | 11 41 | 19 28 | 3 59 | 19 58 | 2 1 | 16 57 | 2 18 | 25 41 | 2 13 | 19 52 | 1 16 | 24 15 | 1 27 | 20 16 | 0 44 | 2 50 | 2 1 | 34 2 | 16 11 | 23 53 | 23 55 | 22 5 | | n.a. |
| T 9 | 12 3 | 15 37 | 4 36 | 20 11 | 1 56 | 16 32 | 2 4 | 25 42 | 2 15 | 19 50 | 1 17 | 24 14 | 1 26 | 20 16 | 0 44 | 2 51 | 2 1 | 34 2 | 16 12 | 23 53 | 23 55 | 22 6 | | n.a. |
| W10 | 12 25 | 10 53 | 4 59 | 20 21 | 1 49 | 16 7 | 1 50 | 25 43 | 2 18 | 19 49 | 1 17 | 24 14 | 1 26 | 20 15 | 0 44 | 2 51 | 2 1 | 34 2 | 16 13 | 23 53 | 23 55 | 22 8 | | n.a. |
| T 11 | 12 46 | 5 27 | 5 6 | 20 29 | 1 41 | 15 41 | 1 35 | 25 44 | 2 20 | 19 48 | 1 17 | 24 13 | 1 26 | 20 15 | 0 44 | 2 52 | 2 1 | 34 3 | 16 13 | 23 53 | 23 55 | 22 9 | | n.a. |
| F 12 | 13 7 | 0n25 | 4 55 | 20 33 | 1 32 | 15 15 | 1 19 | 25 45 | 2 22 | 19 47 | 1 18 | 24 13 | 1 26 | 20 15 | 0 45 | 2 53 | 2 1 | 34 3 | 16 14 | 23 53 | 23 54 | 22 11 | | n.a. |
| S 13 | 13 28 | 6 27 | 4 25 | 20 34 | 1 22 | 14 48 | 1 4 | 25 46 | 2 24 | 19 46 | 1 18 | 24 12 | 1 26 | 20 15 | 0 45 | 2 54 | 2 1 | 34 3 | 16 14 | 23 52 | 23 54 | 22 12 | | n.a. |
| S 14 | 13 49 | 12 13 | 3 36 | 20 31 | 1 10 | 14 21 | 0 49 | 25 47 | 2 26 | 19 44 | 1 18 | 24 11 | 1 26 | 20 15 | 0 45 | 2 55 | 2 1 | 34 4 | 16 15 | 23 52 | 23 54 | 22 14 | | n.a. |
| M15 | 14 10 | 17 20 | 2 32 | 20 25 | 0 57 | 13 53 | 0 33 | 25 48 | 2 29 | 19 43 | 1 18 | 24 11 | 1 26 | 20 15 | 0 45 | 2 56 | 2 1 | 34 4 | 16 15 | 23 52 | 23 54 | 22 16 | | n.a. |
| T 16 | 14 30 | 21 20 | 1 18 | 20 15 | 0 43 | 13 26 | 0 17 | 25 49 | 2 31 | 19 42 | 1 19 | 24 10 | 1 26 | 20 15 | 0 45 | 2 56 | 2 1 | 34 5 | 16 16 | 23 52 | 23 54 | 22 17 | | n.a. |
| W17 | 14 50 | 23 53 | 0n 1 | 20 2 | 0 27 | 13 0 | 0 2 | 25 50 | 2 33 | 19 41 | 1 19 | 24 10 | 1 26 | 20 15 | 0 45 | 2 57 | 2 1 | 34 5 | 16 17 | 23 52 | 23 54 | 22 19 | | n.a. |
| T 18 | 15 10 | 24 46 | 1 19 | 19 44 | 0 10 | 12 33 | 0n13 | 25 52 | 2 36 | 19 41 | 1 19 | 24 9 | 1 26 | 20 14 | 0 45 | 2 58 | 2 1 | 34 6 | 16 17 | 23 52 | 23 54 | 22 20 | | n.a. |
| F 19 | 15 29 | 24 0 | 2 30 | 19 22 | 0n 8 | 12 7 | 0 29 | 25 53 | 2 38 | 19 40 | 1 20 | 24 8 | 1 26 | 20 14 | 0 45 | 2 59 | 2 1 | 34 6 | 16 18 | 23 52 | 23 54 | 22 22 | | n.a. |
| S 20 | 15 49 | 21 45 | 3 31 | 18 57 | 0 27 | 11 42 | 0 43 | 25 55 | 2 40 | 19 39 | 1 20 | 24 8 | 1 26 | 20 14 | 0 45 | 3 0 | 2 1 | 34 7 | 16 18 | 23 52 | 23 54 | 22 23 | | n.a. |
| S 21 | 16 8 | 18 19 | 4 18 | 18 28 | 0 47 | 11 17 | 0 58 | 25 56 | 2 43 | 19 38 | 1 20 | 24 7 | 1 26 | 20 14 | 0 45 | 3 0 | 2 1 | 34 7 | 16 19 | 23 52 | 23 54 | 22 25 | | n.a. |
| M22 | 16 26 | 14 2 | 4 51 | 17 55 | 1 7 | 10 54 | 1 12 | 25 58 | 2 45 | 19 37 | 1 21 | 24 6 | 1 26 | 20 14 | 0 45 | 3 1 | 2 1 | 34 7 | 16 20 | 23 52 | 23 54 | 22 26 | | n.a. |
| T 23 | 16 45 | 9 11 | 5 7 | 17 20 | 1 27 | 10 31 | 1 26 | 25 59 | 2 48 | 19 37 | 1 21 | 24 6 | 1 26 | 20 14 | 0 45 | 3 2 | 2 1 | 34 8 | 16 20 | 23 52 | 23 54 | 22 28 | | n.a. |
| W24 | 17 3 | 4 2 | 5 8 | 16 44 | 1 46 | 10 10 | 1 40 | 26 1 | 2 50 | 19 36 | 1 21 | 24 5 | 1 25 | 20 14 | 0 45 | 3 3 | 2 1 | 34 8 | 16 21 | 23 52 | 23 54 | 22 29 | | n.a. |
| T 25 | 17 21 | 1s12 | 4 55 | 16 6 | 2 5 | 9 50 | 1 53 | 26 3 | 2 53 | 19 35 | 1 22 | 24 4 | 1 25 | 20 14 | 0 45 | 3 3 | 2 1 | 34 9 | 16 21 | 23 51 | 23 54 | 22 31 | | n.a. |
| F 26 | 17 38 | 6 19 | 4 27 | 15 28 | 2 22 | 9 31 | 2 5 | 26 5 | 2 55 | 19 35 | 1 22 | 24 3 | 1 25 | 20 14 | 0 45 | 3 4 | 2 1 | 34 10 | 16 22 | 23 51 | 23 54 | 22 32 | | n.a. |
| S 27 | 17 55 | 11 8 | 3 47 | 14 51 | 2 37 | 9 13 | 2 17 | 26 7 | 2 58 | 19 34 | 1 22 | 24 3 | 1 25 | 20 14 | 0 45 | 3 5 | 2 1 | 34 10 | 16 22 | 23 51 | 23 54 | 22 34 | | n.a. |
| S 28 | 18 12 | 15 28 | 2 58 | 14 16 | 2 50 | 8 57 | 2 29 | 26 9 | 3 0 | 19 34 | 1 23 | 24 2 | 1 25 | 20 14 | 0 45 | 3 5 | 2 1 | 34 11 | 16 23 | 23 51 | 23 54 | 22 35 | | n.a. |
| M29 | 18 29 | 19 10 | 2 1 | 13 44 | 3 1 | 8 42 | 2 40 | 26 11 | 3 3 | 19 34 | 1 23 | 24 1 | 1 25 | 20 15 | 0 45 | 3 6 | 2 1 | 34 11 | 16 24 | 23 51 | 23 53 | 22 36 | | n.a. |
| T 30 | 18s45 | 22s 2 | 0n59 | 13s15 | 3n 9 | 8s28 | 2n50 | 26n14 | 3n 5 | 19n33 | 1n23 | 24s 0 | 1s25 | 20n15 | 0n45 | 3s 7 | 2n 2 | 34n12 | 16n24 | 23n51 | 23n53 | 22s38 | | n.a. |

Julian Day Number = 997436.5, Delta T = 12h55m13s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'06, Lahiri = -31°17'05 Julian Calendar 1 Nov. 1983 BCE == Greg. Calendar 15 Oct. 1983 BCE


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# ASTRODIENST EPHEMERIS for the year 1983 BCE
# geocentric

## DECEMBER 1983 BCE (-1982) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 31 16 | 23♏27'33 | 26♐24 | 12°R39 | 28°R14 | 14♋ 6 | 9♌35 | 18♑42 | 4°R33 | 12♎22 | 8°R38 | 25°D28 | 27♊ 3 | 18♐33 | n.a. | W 1 |
| T 2 | 3 35 12 | 24°28'47 | 8♑10 | 11♏46 | 28♎ 9 | 14°R 7 | 9°37 | 18°47 | 4♌32 | 12°24 | 8♌37 | 25♊29 | 27° 0 | 18°39 | n.a. | T 2 |
| F 3 | 3 39 9 | 25°30'00 | 19°59 | 11° 2 | 28° 5 | 14° 7 | 9°38 | 18°53 | 4°32 | 12°26 | 8°37 | 25°30 | 26°57 | 18°46 | n.a. | F 3 |
| S 4 | 3 43 5 | 26°31'12 | 1♒55 | 10°28 | 28°D 5 | 14° 6 | 9°40 | 18°58 | 4°32 | 12°28 | 8°37 | 25°32 | 26°54 | 18°53 | n.a. | S 4 |
| S 5 | 3 47 2 | 27°32'23 | 14° 3 | 10° 3 | 28° 6 | 14° 4 | 9°41 | 19° 4 | 4°31 | 12°30 | 8°37 | 25°34 | 26°51 | 18°59 | n.a. | S 5 |
| M 6 | 3 50 58 | 28°33'33 | 26°27 | 9°48 | 28°10 | 14° 2 | 9°43 | 19° 9 | 4°31 | 12°31 | 8°37 | 25°R35 | 26°47 | 19° 6 | n.a. | M 6 |
| T 7 | 3 54 55 | 29°34'42 | 9♓12 | 9°D41 | 28°17 | 13°58 | 9°44 | 19°15 | 4°30 | 12°33 | 8°36 | 25°34 | 26°44 | 19°12 | n.a. | T 7 |
| W 8 | 3 58 52 | 0♐35'49 | 22°22 | 9°43 | 28°25 | 13°54 | 9°44 | 19°21 | 4°29 | 12°35 | 8°36 | 25°33 | 26°41 | 19°19 | n.a. | W 8 |
| T 9 | 4 2 48 | 1°36'55 | 6♈ 0 | 9°53 | 28°36 | 13°50 | 9°45 | 19°27 | 4°29 | 12°36 | 8°36 | 25°30 | 26°38 | 19°26 | n.a. | T 9 |
| F 10 | 4 6 45 | 2°38'00 | 20° 7 | 10° 9 | 28°49 | 13°44 | 9°45 | 19°33 | 4°28 | 12°38 | 8°35 | 25°27 | 26°35 | 19°32 | n.a. | F 10 |
| S 11 | 4 10 41 | 3°39'04 | 4♉40 | 10°33 | 29° 5 | 13°38 | 9°46 | 19°39 | 4°27 | 12°40 | 8°35 | 25°24 | 26°31 | 19°39 | n.a. | S 11 |
| S 12 | 4 14 38 | 4°40'06 | 19°35 | 11° 2 | 29°22 | 13°31 | 9°R46 | 19°45 | 4°26 | 12°41 | 8°34 | 25°21 | 26°28 | 19°46 | n.a. | S 12 |
| M13 | 4 18 34 | 5°41'07 | 4♊44 | 11°37 | 29°41 | 13°23 | 9°46 | 19°51 | 4°25 | 12°43 | 8°34 | 25°19 | 26°25 | 19°52 | n.a. | M13 |
| T 14 | 4 22 31 | 6°42'07 | 19°57 | 12°16 | 0♏ 2 | 13°14 | 9°45 | 19°57 | 4°25 | 12°44 | 8°33 | 25°D18 | 26°22 | 19°59 | n.a. | T 14 |
| W15 | 4 26 28 | 7°43'06 | 5♋ 5 | 13° 0 | 0°26 | 13° 5 | 9°45 | 20° 3 | 4°24 | 12°46 | 8°33 | 25°18 | 26°19 | 20° 6 | n.a. | W15 |
| T 16 | 4 30 24 | 8°44'04 | 19°58 | 13°49 | 0°51 | 12°54 | 9°44 | 20° 9 | 4°22 | 12°47 | 8°32 | 25°19 | 26°16 | 20°12 | n.a. | T 16 |
| F 17 | 4 34 21 | 9°45'01 | 4♌31 | 14°41 | 1°17 | 12°43 | 9°43 | 20°16 | 4°21 | 12°49 | 8°32 | 25°20 | 26°12 | 20°19 | n.a. | F 17 |
| S 18 | 4 38 17 | 10°45'56 | 18°40 | 15°36 | 1°46 | 12°31 | 9°42 | 20°22 | 4°20 | 12°50 | 8°31 | 25°21 | 26° 9 | 20°26 | n.a. | S 18 |
| S 19 | 4 42 14 | 11°46'51 | 2♍23 | 16°35 | 2°16 | 12°19 | 9°41 | 20°29 | 4°19 | 12°51 | 8°30 | 25°22 | 26° 6 | 20°32 | n.a. | S 19 |
| M20 | 4 46 10 | 12°47'44 | 15°42 | 17°36 | 2°47 | 12° 5 | 9°39 | 20°35 | 4°18 | 12°53 | 8°29 | 25°R22 | 26° 3 | 20°39 | n.a. | M20 |
| T 21 | 4 50 7 | 13°48'36 | 28°39 | 18°40 | 3°20 | 11°51 | 9°38 | 20°42 | 4°16 | 12°54 | 8°29 | 25°22 | 26° 0 | 20°46 | n.a. | T 21 |
| W22 | 4 54 3 | 14°49'27 | 11♎17 | 19°46 | 3°55 | 11°36 | 9°36 | 20°48 | 4°15 | 12°55 | 8°28 | 25°21 | 25°57 | 20°52 | n.a. | W22 |
| T 23 | 4 58 0 | 15°50'17 | 23°39 | 20°54 | 4°31 | 11°21 | 9°34 | 20°55 | 4°14 | 12°57 | 8°27 | 25°20 | 25°53 | 20°59 | n.a. | T 23 |
| F 24 | 5 1 57 | 16°51'06 | 5♏49 | 22° 5 | 5° 8 | 11° 4 | 9°31 | 21° 2 | 4°12 | 12°58 | 8°26 | 25°18 | 25°50 | 21° 5 | n.a. | F 24 |
| S 25 | 5 5 53 | 17°51'53 | 17°49 | 23°17 | 5°46 | 10°47 | 9°29 | 21° 8 | 4°11 | 12°59 | 8°25 | 25°17 | 25°47 | 21°12 | n.a. | S 25 |
| S 26 | 5 9 50 | 18°52'39 | 29°43 | 24°31 | 6°26 | 10°29 | 9°26 | 21°15 | 4° 9 | 13° 0 | 8°25 | 25°16 | 25°44 | 21°19 | n.a. | S 26 |
| M27 | 5 13 46 | 19°53'24 | 11♐32 | 25°47 | 7° 7 | 10°11 | 9°24 | 21°22 | 4° 8 | 13° 2 | 8°24 | 25°16 | 25°41 | 21°25 | n.a. | M27 |
| T 28 | 5 17 43 | 20°54'06 | 23°20 | 27° 4 | 7°49 | 9°52 | 9°21 | 21°29 | 4° 6 | 13° 3 | 8°23 | 25°D16 | 25°37 | 21°32 | n.a. | T 28 |
| W29 | 5 21 39 | 21°54'48 | 5♑ 7 | 28°22 | 8°32 | 9°33 | 9°17 | 21°36 | 4° 4 | 13° 4 | 8°22 | 25°16 | 25°34 | 21°39 | n.a. | W29 |
| T 30 | 5 25 36 | 22°55'27 | 16°56 | 29°42 | 9°16 | 9°13 | 9°14 | 21°43 | 4° 3 | 13° 5 | 8°21 | 25°16 | 25°31 | 21°45 | n.a. | T 30 |
| F 31 | 5 29 33 | 23♐56'05 | 28♑51 | 1♐ 3 | 10♏ 1 | 8♋52 | 9♌10 | 21♑49 | 4♌ 1 | 13♎ 6 | 8♌20 | 25♊16 | 25♊28 | 21♐52 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| W 1 | 19s 1 | 23s57 | 0s 5 | 12s51 | 3n15 | 8s16 | 3n 0 | 26n16 | 3n 8 | 19n33 | 1n24 | 24s 0 | 1s25 | 20n15 | 0n45 | 3s 8 | 2n 2 | 34n12 | 16n25 | 23n51 | 23n53 | 22s39 | | | n.a. |
| T 2 | 19 16 | 24 49 | 1 9 | 12 31 | 3 19 | 8 5 | 3 9 | 26 19 | 3 10 | 19 33 | 1 24 | 23 59 | 1 25 | 20 15 | 0 45 | 3 8 | 2 2 | 34 13 | 16 25 | 23 51 | 23 53 | 22 41 | | | n.a. |
| F 3 | 19 31 | 24 33 | 2 11 | 12 16 | 3 21 | 7 56 | 3 18 | 26 21 | 3 13 | 19 33 | 1 24 | 23 58 | 1 25 | 20 15 | 0 46 | 3 9 | 2 2 | 34 13 | 16 26 | 23 51 | 23 53 | 22 42 | | | n.a. |
| S 4 | 19 46 | 23 10 | 3 7 | 12 5 | 3 21 | 7 48 | 3 27 | 26 24 | 3 16 | 19 33 | 1 24 | 23 57 | 1 25 | 20 15 | 0 46 | 3 10 | 2 2 | 34 14 | 16 26 | 23 51 | 23 53 | 22 44 | | | n.a. |
| S 5 | 20 0 | 20 42 | 3 56 | 11 59 | 3 19 | 7 41 | 3 34 | 26 27 | 3 18 | 19 32 | 1 25 | 23 56 | 1 25 | 20 15 | 0 46 | 3 10 | 2 2 | 34 15 | 16 27 | 23 51 | 23 53 | 22 45 | | | n.a. |
| M 6 | 20 14 | 17 15 | 4 35 | 11 57 | 3 16 | 7 36 | 3 41 | 26 30 | 3 21 | 19 32 | 1 25 | 23 55 | 1 25 | 20 15 | 0 46 | 3 11 | 2 2 | 34 15 | 16 28 | 23 51 | 23 53 | 22 47 | | | n.a. |
| T 7 | 20 28 | 12 56 | 5 2 | 11 59 | 3 12 | 7 32 | 3 48 | 26 33 | 3 24 | 19 33 | 1 25 | 23 54 | 1 25 | 20 16 | 0 46 | 3 12 | 2 2 | 34 16 | 16 28 | 23 51 | 23 53 | 22 48 | | | n.a. |
| W 8 | 20 41 | 7 53 | 5 15 | 12 5 | 3 6 | 7 29 | 3 54 | 26 36 | 3 26 | 19 33 | 1 26 | 23 54 | 1 25 | 20 16 | 0 46 | 3 12 | 2 2 | 34 16 | 16 29 | 23 51 | 23 53 | 22 49 | | | n.a. |
| T 9 | 20 54 | 2 18 | 5 10 | 12 14 | 3 0 | 7 28 | 4 0 | 26 39 | 3 29 | 19 33 | 1 26 | 23 53 | 1 25 | 20 16 | 0 46 | 3 13 | 2 2 | 34 17 | 16 29 | 23 51 | 23 53 | 22 51 | | | n.a. |
| F 10 | 21 6 | 3n36 | 4 47 | 12 26 | 2 53 | 7 27 | 4 5 | 26 42 | 3 31 | 19 33 | 1 26 | 23 52 | 1 25 | 20 16 | 0 46 | 3 13 | 2 2 | 34 18 | 16 30 | 23 51 | 23 53 | 22 52 | | | n.a. |
| S 11 | 21 18 | 9 30 | 4 4 | 12 40 | 2 45 | 7 28 | 4 10 | 26 45 | 3 34 | 19 33 | 1 27 | 23 51 | 1 25 | 20 17 | 0 46 | 3 14 | 2 2 | 34 18 | 16 30 | 23 50 | 23 53 | 22 54 | | | n.a. |
| S 12 | 21 30 | 15 1 | 3 5 | 12 57 | 2 37 | 7 30 | 4 15 | 26 49 | 3 37 | 19 34 | 1 27 | 23 50 | 1 25 | 20 17 | 0 46 | 3 14 | 2 2 | 34 19 | 16 31 | 23 50 | 23 52 | 22 55 | | | n.a. |
| M13 | 21 41 | 19 41 | 1 51 | 13 16 | 2 29 | 7 34 | 4 19 | 26 52 | 3 39 | 19 34 | 1 27 | 23 49 | 1 25 | 20 17 | 0 46 | 3 15 | 2 2 | 34 20 | 16 31 | 23 50 | 23 52 | 22 56 | | | n.a. |
| T 14 | 21 52 | 23 3 | 0 30 | 13 37 | 2 20 | 7 38 | 4 22 | 26 56 | 3 42 | 19 34 | 1 28 | 23 48 | 1 25 | 20 17 | 0 46 | 3 16 | 2 2 | 34 20 | 16 32 | 23 50 | 23 52 | 22 58 | | | n.a. |
| W15 | 22 2 | 24 43 | 0n54 | 13 59 | 2 11 | 7 43 | 4 25 | 26 59 | 3 44 | 19 35 | 1 28 | 23 47 | 1 25 | 20 18 | 0 46 | 3 16 | 2 2 | 34 21 | 16 32 | 23 50 | 23 52 | 22 59 | | | n.a. |
| T 16 | 22 12 | 24 35 | 2 12 | 14 22 | 2 2 | 7 49 | 4 28 | 27 3 | 3 47 | 19 35 | 1 28 | 23 46 | 1 25 | 20 18 | 0 46 | 3 17 | 2 2 | 34 22 | 16 33 | 23 50 | 23 52 | 23 1 | | | n.a. |
| F 17 | 22 22 | 22 46 | 3 21 | 14 47 | 1 53 | 7 56 | 4 30 | 27 6 | 3 50 | 19 36 | 1 29 | 23 45 | 1 25 | 20 18 | 0 46 | 3 17 | 2 2 | 34 22 | 16 33 | 23 50 | 23 52 | 23 2 | | | n.a. |
| S 18 | 22 31 | 19 33 | 4 15 | 15 12 | 1 43 | 8 4 | 4 33 | 27 10 | 3 52 | 19 36 | 1 29 | 23 44 | 1 25 | 20 19 | 0 46 | 3 18 | 2 2 | 34 23 | 16 34 | 23 50 | 23 52 | 23 3 | | | n.a. |
| S 19 | 22 39 | 15 21 | 4 52 | 15 38 | 1 34 | 8 13 | 4 34 | 27 14 | 3 55 | 19 37 | 1 29 | 23 43 | 1 25 | 20 19 | 0 46 | 3 18 | 2 2 | 34 24 | 16 34 | 23 50 | 23 52 | 23 5 | | | n.a. |
| M20 | 22 47 | 10 32 | 5 13 | 16 4 | 1 25 | 8 22 | 4 36 | 27 18 | 3 57 | 19 38 | 1 30 | 23 42 | 1 24 | 20 19 | 0 46 | 3 19 | 2 2 | 34 24 | 16 35 | 23 50 | 23 52 | 23 6 | | | n.a. |
| T 21 | 22 55 | 5 22 | 5 17 | 16 31 | 1 15 | 8 33 | 4 37 | 27 21 | 3 59 | 19 39 | 1 30 | 23 41 | 1 24 | 20 20 | 0 46 | 3 19 | 2 3 | 34 25 | 16 35 | 23 50 | 23 52 | 23 7 | | | n.a. |
| W22 | 23 2 | 0 7 | 5 5 | 16 58 | 1 6 | 8 44 | 4 38 | 27 25 | 4 2 | 19 39 | 1 30 | 23 40 | 1 24 | 20 20 | 0 46 | 3 20 | 2 3 | 34 26 | 16 36 | 23 50 | 23 52 | 23 9 | | | n.a. |
| T 23 | 23 9 | 5s 3 | 4 39 | 17 26 | 0 57 | 8 55 | 4 38 | 27 29 | 4 4 | 19 40 | 1 31 | 23 39 | 1 24 | 20 20 | 0 46 | 3 20 | 2 3 | 34 27 | 16 36 | 23 50 | 23 51 | 23 10 | | | n.a. |
| F 24 | 23 15 | 9 56 | 4 2 | 17 53 | 0 48 | 9 8 | 4 38 | 27 32 | 4 6 | 19 41 | 1 31 | 23 38 | 1 24 | 20 21 | 0 46 | 3 21 | 2 3 | 34 27 | 16 37 | 23 50 | 23 51 | 23 11 | | | n.a. |
| S 25 | 23 21 | 14 24 | 3 13 | 18 20 | 0 39 | 9 20 | 4 38 | 27 36 | 4 9 | 19 42 | 1 31 | 23 37 | 1 24 | 20 21 | 0 46 | 3 21 | 2 3 | 34 28 | 16 37 | 23 50 | 23 51 | 23 13 | | | n.a. |
| S 26 | 23 27 | 18 16 | 2 17 | 18 47 | 0 30 | 9 34 | 4 38 | 27 40 | 4 11 | 19 43 | 1 32 | 23 36 | 1 24 | 20 21 | 0 46 | 3 21 | 2 3 | 34 29 | 16 38 | 23 50 | 23 51 | 23 14 | | | n.a. |
| M27 | 23 32 | 21 22 | 1 16 | 19 14 | 0 22 | 9 48 | 4 38 | 27 43 | 4 13 | 19 44 | 1 32 | 23 35 | 1 24 | 20 22 | 0 47 | 3 22 | 2 3 | 34 29 | 16 38 | 23 50 | 23 51 | 23 15 | | | n.a. |
| T 28 | 23 36 | 23 34 | 0 11 | 19 41 | 0 13 | 10 2 | 4 37 | 27 47 | 4 15 | 19 45 | 1 32 | 23 33 | 1 24 | 20 22 | 0 47 | 3 22 | 2 3 | 34 30 | 16 39 | 23 50 | 23 51 | 23 17 | | | n.a. |
| W29 | 23 40 | 24 44 | 0s55 | 20 7 | 0 5 | 10 17 | 4 36 | 27 50 | 4 17 | 19 47 | 1 33 | 23 32 | 1 24 | 20 23 | 0 47 | 3 23 | 2 3 | 34 31 | 16 39 | 23 50 | 23 51 | 23 18 | | | n.a. |
| T 30 | 23 44 | 24 46 | 1 58 | 20 33 | 0s 3 | 10 32 | 4 35 | 27 54 | 4 19 | 19 48 | 1 33 | 23 31 | 1 24 | 20 23 | 0 47 | 3 23 | 2 3 | 34 32 | 16 40 | 23 50 | 23 51 | 23 19 | | | n.a. |
| F 31 | 23s47 | 23s41 | 2s56 | 20s58 | 0s11 | 10s48 | 4n33 | 27n57 | 4n20 | 19n49 | 1n33 | 23s30 | 1s24 | 20n24 | 0n47 | 3s23 | 2n 3 | 34n32 | 16n40 | 23n50 | 23n51 | 23s21 | | | n.a. |

Julian Day Number = 997466.5, Delta T = 12h55m11s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°24'02, Lahiri = -31°17'01 Julian Calendar 1 Dec. 1983 BCE == Greg. Calendar 14 Nov. 1983 BCE

The year -1982 astronomical counting style corresponds to year 1983 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## JANUARY 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 33 29 | 24♐56'41 | 10♒52 | 2♐26 | 10♏46 | 8°R31 | 9°R 7 | 21♑57 | 3°R59 | 13♎ 7 | 8°R19 | 25°R16 | 25♊25 | 21♐59 | n.a. | S 1 |
| S 2 | 5 37 26 | 25°57'14 | 23° 4 | 3°49 | 11°33 | 8♋ 9 | 9♌ 3 | 22° 4 | 3♌57 | 13° 8 | 8♌18 | 25♊16 | 25°22 | 22° 5 | n.a. | S 2 |
| M 3 | 5 41 22 | 26°57'46 | 5♓30 | 5°14 | 12°21 | 7°47 | 8°59 | 22°11 | 3°55 | 13° 9 | 8°16 | 25°16 | 25°18 | 22°12 | n.a. | M 3 |
| T 4 | 5 45 19 | 27°58'16 | 18°14 | 6°40 | 13°10 | 7°25 | 8°55 | 22°18 | 3°54 | 13°10 | 8°15 | 25°16 | 25°15 | 22°19 | n.a. | T 4 |
| W 5 | 5 49 15 | 28°58'43 | 1♈17 | 8° 7 | 13°59 | 7° 3 | 8°50 | 22°25 | 3°52 | 13°11 | 8°14 | 25°D16 | 25°12 | 22°25 | n.a. | W 5 |
| T 6 | 5 53 12 | 29°59'09 | 14°45 | 9°34 | 14°49 | 6°40 | 8°46 | 22°32 | 3°50 | 13°12 | 8°13 | 25°16 | 25° 9 | 22°32 | n.a. | T 6 |
| F 7 | 5 57 8 | 0♑59'32 | 28°38 | 11° 3 | 15°40 | 6°16 | 8°41 | 22°39 | 3°48 | 13°12 | 8°12 | 25°16 | 25° 6 | 22°39 | n.a. | F 7 |
| S 8 | 6 1 5 | 1°59'53 | 12♉57 | 12°33 | 16°31 | 5°53 | 8°36 | 22°47 | 3°46 | 13°13 | 8°10 | 25°17 | 25° 2 | 22°45 | n.a. | S 8 |
| S 9 | 6 5 2 | 3° 0'12 | 27°39 | 14° 5 | 17°24 | 5°30 | 8°31 | 22°54 | 3°43 | 13°14 | 8° 9 | 25°18 | 24°59 | 22°52 | n.a. | S 9 |
| M10 | 6 8 58 | 4° 0'29 | 12♊39 | 15°37 | 18°16 | 5° 6 | 8°26 | 23° 1 | 3°41 | 13°15 | 8° 8 | 25°18 | 24°56 | 22°58 | n.a. | M10 |
| T 11 | 6 12 55 | 5° 0'44 | 27°50 | 17°10 | 19°10 | 4°42 | 8°21 | 23° 8 | 3°39 | 13°15 | 8° 7 | 25°R18 | 24°53 | 23° 5 | n.a. | T 11 |
| W12 | 6 16 51 | 6° 0'57 | 13♋ 2 | 18°44 | 20° 4 | 4°18 | 8°15 | 23°16 | 3°37 | 13°16 | 8° 5 | 25°18 | 24°50 | 23°12 | n.a. | W12 |
| T 13 | 6 20 48 | 7° 1'08 | 28° 7 | 20°19 | 20°59 | 3°55 | 8°10 | 23°23 | 3°35 | 13°17 | 8° 4 | 25°17 | 24°47 | 23°18 | n.a. | T 13 |
| F 14 | 6 24 44 | 8° 1'17 | 12♌54 | 21°55 | 21°54 | 3°31 | 8° 4 | 23°30 | 3°33 | 13°17 | 8° 3 | 25°16 | 24°43 | 23°25 | n.a. | F 14 |
| S 15 | 6 28 41 | 9° 1'24 | 27°18 | 23°32 | 22°50 | 3° 8 | 7°58 | 23°38 | 3°30 | 13°18 | 8° 1 | 25°14 | 24°40 | 23°32 | n.a. | S 15 |
| S 16 | 6 32 37 | 10° 1'29 | 11♍14 | 25°10 | 23°46 | 2°44 | 7°52 | 23°45 | 3°28 | 13°18 | 8° 0 | 25°12 | 24°37 | 23°38 | n.a. | S 16 |
| M17 | 6 36 34 | 11° 1'33 | 24°43 | 26°49 | 24°43 | 2°21 | 7°46 | 23°53 | 3°26 | 13°19 | 7°59 | 25°11 | 24°34 | 23°45 | n.a. | M17 |
| T 18 | 6 40 31 | 12° 1'35 | 7♎45 | 28°30 | 25°40 | 1°58 | 7°40 | 24° 0 | 3°23 | 13°19 | 7°57 | 25°D10 | 24°31 | 23°52 | n.a. | T 18 |
| W19 | 6 44 27 | 13° 1'34 | 20°24 | 0♑11 | 26°38 | 1°35 | 7°33 | 24° 8 | 3°21 | 13°20 | 7°56 | 25°10 | 24°28 | 23°58 | n.a. | W19 |
| T 20 | 6 48 24 | 14° 1'32 | 2♏44 | 1°53 | 27°36 | 1°13 | 7°27 | 24°15 | 3°19 | 13°20 | 7°54 | 25°11 | 24°24 | 24° 5 | n.a. | T 20 |
| F 21 | 6 52 20 | 15° 1'29 | 14°48 | 3°37 | 28°35 | 0°51 | 7°20 | 24°23 | 3°16 | 13°20 | 7°53 | 25°13 | 24°21 | 24°12 | n.a. | F 21 |
| S 22 | 6 56 17 | 16° 1'23 | 26°43 | 5°22 | 29°34 | 0°29 | 7°13 | 24°30 | 3°14 | 13°21 | 7°51 | 25°14 | 24°18 | 24°18 | n.a. | S 22 |
| S 23 | 7 0 13 | 17° 1'16 | 8♐31 | 7° 7 | 0♐34 | 0° 8 | 7° 7 | 24°38 | 3°11 | 13°21 | 7°50 | 25°16 | 24°15 | 24°25 | n.a. | S 23 |
| M24 | 7 4 10 | 18° 1'06 | 20°17 | 8°54 | 1°34 | 29♊47 | 7° 0 | 24°45 | 3° 9 | 13°21 | 7°48 | 25°R17 | 24°12 | 24°32 | n.a. | M24 |
| T 25 | 7 8 6 | 19° 0'55 | 2♑ 4 | 10°42 | 2°34 | 29°27 | 6°53 | 24°53 | 3° 6 | 13°21 | 7°47 | 25°17 | 24° 8 | 24°38 | n.a. | T 25 |
| W26 | 7 12 3 | 20° 0'41 | 13°55 | 12°32 | 3°34 | 29° 8 | 6°46 | 25° 0 | 3° 4 | 13°22 | 7°45 | 25°15 | 24° 5 | 24°45 | n.a. | W26 |
| T 27 | 7 15 59 | 21° 0'26 | 25°51 | 14°22 | 4°35 | 28°48 | 6°38 | 25° 8 | 3° 1 | 13°22 | 7°44 | 25°13 | 24° 2 | 24°51 | n.a. | T 27 |
| F 28 | 7 19 56 | 22° 0'08 | 7♒56 | 16°14 | 5°37 | 28°30 | 6°31 | 25°15 | 2°59 | 13°22 | 7°42 | 25° 9 | 23°59 | 24°58 | n.a. | F 28 |
| S 29 | 7 23 53 | 22°59'47 | 20° 9 | 18° 6 | 6°38 | 28°12 | 6°24 | 25°23 | 2°56 | 13°22 | 7°41 | 25° 4 | 23°56 | 25° 5 | n.a. | S 29 |
| S 30 | 7 27 49 | 23°59'25 | 2♓33 | 20° 0 | 7°40 | 27°55 | 6°16 | 25°31 | 2°54 | 13°22 | 7°39 | 24°59 | 23°53 | 25°11 | n.a. | S 30 |
| M31 | 7 31 46 | 24♑59'00 | 15♓10 | 21♑55 | 8♐42 | 27♊38 | 6♌ 9 | 25♑38 | 2♌51 | 13°R22 | 7♌37 | 24♊54 | 23♊49 | 25♐18 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 23s49 | 21s30 | 3s48 | 21s22 | 0s19 | 11s 3 | 4n32 | 28n 0 | 4n22 | 19n50 | 1n33 | 23s29 | 1s24 | 20n24 | 0n47 | 3s24 | 2n 3 | 34n33 | 16n41 | 23n50 | 23n50 | 23s22 | | n.a. | S 1 |
| S 2 | 23 52 | 18 20 | 4 29 | 21 46 | 0 26 | 11 20 | 4 30 | 28 3 | 4 24 | 19 52 | 1 34 | 23 28 | 1 24 | 20 25 | 0 47 | 3 24 | 2 3 | 34 34 | 16 41 | 23 50 | 23 50 | 23 23 | | n.a. | S 2 |
| M 3 | 23 53 | 14 18 | 4 59 | 22 9 | 0 34 | 11 36 | 4 28 | 28 6 | 4 25 | 19 53 | 1 34 | 23 27 | 1 24 | 20 25 | 0 47 | 3 24 | 2 3 | 34 34 | 16 41 | 23 50 | 23 50 | 23 24 | | n.a. | M 3 |
| T 4 | 23 54 | 9 34 | 5 16 | 22 32 | 0 41 | 11 53 | 4 26 | 28 9 | 4 27 | 19 54 | 1 34 | 23 25 | 1 24 | 20 26 | 0 47 | 3 25 | 2 3 | 34 35 | 16 42 | 23 50 | 23 50 | 23 26 | | n.a. | T 4 |
| W 5 | 23 55 | 4 18 | 5 16 | 22 53 | 0 48 | 12 10 | 4 24 | 28 11 | 4 28 | 19 56 | 1 35 | 23 24 | 1 24 | 20 26 | 0 47 | 3 25 | 2 3 | 34 36 | 16 42 | 23 50 | 23 50 | 23 27 | | n.a. | W 5 |
| T 6 | 23 55 | 1n20 | 5 0 | 23 14 | 0 54 | 12 27 | 4 21 | 28 14 | 4 29 | 19 57 | 1 35 | 23 23 | 1 24 | 20 27 | 0 47 | 3 25 | 2 4 | 34 37 | 16 43 | 23 50 | 23 50 | 23 28 | | n.a. | T 6 |
| F 7 | 23 55 | 7 4 | 4 26 | 23 33 | 1 1 | 12 44 | 4 19 | 28 16 | 4 30 | 19 59 | 1 35 | 23 22 | 1 24 | 20 27 | 0 47 | 3 25 | 2 4 | 34 37 | 16 43 | 23 50 | 23 50 | 23 30 | | n.a. | F 7 |
| S 8 | 23 54 | 12 38 | 3 34 | 23 52 | 1 7 | 13 1 | 4 16 | 28 19 | 4 31 | 20 0 | 1 35 | 23 21 | 1 25 | 20 28 | 0 47 | 3 26 | 2 4 | 34 38 | 16 43 | 23 50 | 23 50 | 23 31 | | n.a. | S 8 |
| S 9 | 23 53 | 17 38 | 2 28 | 24 9 | 1 13 | 13 19 | 4 13 | 28 21 | 4 32 | 20 2 | 1 36 | 23 19 | 1 25 | 20 28 | 0 47 | 3 26 | 2 4 | 34 39 | 16 44 | 23 50 | 23 50 | 23 32 | | n.a. | S 9 |
| M10 | 23 52 | 21 37 | 1 10 | 24 25 | 1 18 | 13 37 | 4 10 | 28 22 | 4 33 | 20 4 | 1 36 | 23 18 | 1 25 | 20 29 | 0 47 | 3 26 | 2 4 | 34 39 | 16 44 | 23 50 | 23 49 | 23 33 | | n.a. | M10 |
| T 11 | 23 49 | 24 8 | 0n14 | 24 40 | 1 23 | 13 54 | 4 7 | 28 24 | 4 34 | 20 5 | 1 36 | 23 17 | 1 25 | 20 29 | 0 47 | 3 26 | 2 4 | 34 40 | 16 45 | 23 50 | 23 49 | 23 35 | | n.a. | T 11 |
| W12 | 23 47 | 24 53 | 1 37 | 24 54 | 1 28 | 14 12 | 4 4 | 28 25 | 4 35 | 20 7 | 1 36 | 23 16 | 1 25 | 20 30 | 0 47 | 3 27 | 2 4 | 34 41 | 16 45 | 23 50 | 23 49 | 23 36 | | n.a. | W12 |
| T 13 | 23 44 | 23 46 | 2 52 | 25 6 | 1 33 | 14 30 | 4 1 | 28 27 | 4 35 | 20 9 | 1 37 | 23 14 | 1 25 | 20 30 | 0 47 | 3 27 | 2 4 | 34 42 | 16 45 | 23 50 | 23 49 | 23 37 | | n.a. | T 13 |
| F 14 | 23 40 | 21 1 | 3 55 | 25 17 | 1 37 | 14 47 | 3 57 | 28 28 | 4 36 | 20 11 | 1 37 | 23 13 | 1 25 | 20 31 | 0 47 | 3 27 | 2 4 | 34 42 | 16 46 | 23 50 | 23 49 | 23 38 | | n.a. | F 14 |
| S 15 | 23 36 | 17 1 | 4 40 | 25 27 | 1 42 | 15 5 | 3 54 | 28 29 | 4 36 | 20 12 | 1 37 | 23 12 | 1 25 | 20 31 | 0 47 | 3 27 | 2 4 | 34 43 | 16 46 | 23 50 | 23 49 | 23 39 | | n.a. | S 15 |
| S 16 | 23 32 | 12 13 | 5 8 | 25 35 | 1 45 | 15 23 | 3 50 | 28 30 | 4 36 | 20 14 | 1 37 | 23 11 | 1 25 | 20 32 | 0 47 | 3 27 | 2 4 | 34 44 | 16 46 | 23 50 | 23 49 | 23 41 | | n.a. | S 16 |
| M17 | 23 27 | 6 58 | 5 17 | 25 41 | 1 49 | 15 40 | 3 46 | 28 30 | 4 36 | 20 16 | 1 38 | 23 9 | 1 25 | 20 33 | 0 47 | 3 27 | 2 4 | 34 44 | 16 47 | 23 50 | 23 48 | 23 42 | | n.a. | M17 |
| T 18 | 23 22 | 1 35 | 5 9 | 25 46 | 1 51 | 15 58 | 3 43 | 28 30 | 4 36 | 20 18 | 1 38 | 23 8 | 1 25 | 20 33 | 0 47 | 3 27 | 2 4 | 34 45 | 16 47 | 23 50 | 23 48 | 23 43 | | n.a. | T 18 |
| W19 | 23 16 | 3s43 | 4 47 | 25 49 | 1 54 | 16 15 | 3 39 | 28 31 | 4 36 | 20 20 | 1 38 | 23 7 | 1 25 | 20 34 | 0 47 | 3 28 | 2 4 | 34 46 | 16 47 | 23 50 | 23 48 | 23 44 | | n.a. | W19 |
| T 20 | 23 10 | 8 44 | 4 11 | 25 51 | 1 56 | 16 32 | 3 35 | 28 31 | 4 36 | 20 22 | 1 38 | 23 5 | 1 25 | 20 34 | 0 47 | 3 28 | 2 4 | 34 47 | 16 47 | 23 50 | 23 48 | 23 45 | | n.a. | T 20 |
| F 21 | 23 3 | 13 20 | 3 26 | 25 50 | 1 58 | 16 49 | 3 31 | 28 30 | 4 35 | 20 24 | 1 39 | 23 4 | 1 25 | 20 35 | 0 47 | 3 28 | 2 5 | 34 47 | 16 48 | 23 50 | 23 48 | 23 47 | | n.a. | F 21 |
| S 22 | 22 56 | 17 22 | 2 31 | 25 48 | 1 59 | 17 6 | 3 27 | 28 30 | 4 35 | 20 26 | 1 39 | 23 3 | 1 25 | 20 36 | 0 47 | 3 28 | 2 5 | 34 48 | 16 48 | 23 50 | 23 48 | 23 48 | | n.a. | S 22 |
| S 23 | 22 49 | 20 40 | 1 31 | 25 44 | 2 0 | 17 23 | 3 22 | 28 30 | 4 34 | 20 28 | 1 39 | 23 1 | 1 25 | 20 36 | 0 47 | 3 28 | 2 5 | 34 49 | 16 48 | 23 50 | 23 48 | 23 49 | | n.a. | S 23 |
| M24 | 22 41 | 23 6 | 0 28 | 25 38 | 2 1 | 17 39 | 3 18 | 28 29 | 4 34 | 20 30 | 1 39 | 23 0 | 1 25 | 20 37 | 0 47 | 3 28 | 2 5 | 34 49 | 16 48 | 23 50 | 23 48 | 23 50 | | n.a. | M24 |
| T 25 | 22 33 | 24 32 | 0s37 | 25 29 | 2 1 | 17 56 | 3 14 | 28 28 | 4 33 | 20 32 | 1 39 | 22 59 | 1 25 | 20 37 | 0 47 | 3 28 | 2 5 | 34 50 | 16 49 | 23 50 | 23 47 | 23 51 | | n.a. | T 25 |
| W26 | 22 24 | 24 51 | 1 41 | 25 19 | 2 1 | 18 12 | 3 9 | 28 27 | 4 32 | 20 34 | 1 40 | 22 57 | 1 25 | 20 38 | 0 47 | 3 28 | 2 5 | 34 51 | 16 49 | 23 50 | 23 47 | 23 53 | | n.a. | W26 |
| T 27 | 22 15 | 24 2 | 2 40 | 25 7 | 2 0 | 18 27 | 3 5 | 28 26 | 4 31 | 20 36 | 1 40 | 22 56 | 1 25 | 20 39 | 0 47 | 3 28 | 2 5 | 34 51 | 16 49 | 23 50 | 23 47 | 23 54 | | n.a. | T 27 |
| F 28 | 22 5 | 22 5 | 3 33 | 24 52 | 1 58 | 18 43 | 3 1 | 28 25 | 4 30 | 20 38 | 1 40 | 22 55 | 1 25 | 20 39 | 0 47 | 3 28 | 2 5 | 34 52 | 16 49 | 23 50 | 23 47 | 23 55 | | n.a. | F 28 |
| S 29 | 21 55 | 19 7 | 4 17 | 24 35 | 1 56 | 18 58 | 2 56 | 28 23 | 4 29 | 20 40 | 1 40 | 22 53 | 1 25 | 20 40 | 0 47 | 3 28 | 2 5 | 34 53 | 16 50 | 23 50 | 23 47 | 23 56 | | n.a. | S 29 |
| S 30 | 21 45 | 15 15 | 4 49 | 24 16 | 1 54 | 19 13 | 2 51 | 28 22 | 4 28 | 20 42 | 1 40 | 22 52 | 1 25 | 20 40 | 0 47 | 3 28 | 2 5 | 34 53 | 16 50 | 23 50 | 23 47 | 23 57 | | n.a. | S 30 |
| M31 | 21s34 | 10s41 | 5s 8 | 23s55 | 1s51 | 19s27 | 2n47 | 28n20 | 4n26 | 20n44 | 1n40 | 22s50 | 1s25 | 20n41 | 0n47 | 3s28 | 2n 5 | 34n54 | 16n50 | 23n49 | 23n47 | 23s58 | | n.a. | M31 |

Julian Day Number = 997497.5, Delta T = 12h55m09s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'57, Lahiri = -31°16'57 Julian Calendar 1 Jan. 1982 BCE == Greg. Calendar 15 Dec. 1983 BCE

The year -1981 astronomical counting style corresponds to year 1982 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## FEBRUARY 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 35 42 | 25♉58'32 | 28♓ 0 | 23♉51 | 9♐44 | 27°R23 | 6°R 2 | 25♉46 | 2°R49 | 13°R22 | 7°R36 | 24°R50 | 23♊46 | 25♐25 | n.a. | T 1 |
| W 2 | 7 39 39 | 26°58'03 | 11♈ 6 | 25°48 | 10°47 | 27♊ 8 | 5♌54 | 25°53 | 2♌46 | 13♎22 | 7♌34 | 24♊48 | 23°43 | 25°31 | n.a. | W 2 |
| T 3 | 7 43 35 | 27°57'30 | 24°30 | 27°46 | 11°50 | 26°53 | 5°46 | 26° 1 | 2°43 | 13°22 | 7°33 | 24°D47 | 23°40 | 25°38 | n.a. | T 3 |
| F 4 | 7 47 32 | 28°56'55 | 8♉13 | 29°45 | 12°53 | 26°40 | 5°39 | 26° 8 | 2°41 | 13°22 | 7°31 | 24°47 | 23°37 | 25°45 | n.a. | F 4 |
| S 5 | 7 51 28 | 29°56'18 | 22°17 | 1♒45 | 13°57 | 26°27 | 5°31 | 26°16 | 2°38 | 13°22 | 7°29 | 24°48 | 23°34 | 25°51 | n.a. | S 5 |
| S 6 | 7 55 25 | 0♒55'38 | 6♊39 | 3°46 | 15° 0 | 26°15 | 5°23 | 26°24 | 2°36 | 13°21 | 7°28 | 24°50 | 23°30 | 25°58 | n.a. | S 6 |
| M 7 | 7 59 21 | 1°54'56 | 21°19 | 5°47 | 16° 4 | 26° 4 | 5°16 | 26°31 | 2°33 | 13°21 | 7°26 | 24°R51 | 23°27 | 26° 5 | n.a. | M 7 |
| T 8 | 8 3 18 | 2°54'11 | 6♋12 | 7°48 | 17° 8 | 25°53 | 5° 8 | 26°39 | 2°30 | 13°21 | 7°24 | 24°50 | 23°24 | 26°11 | n.a. | T 8 |
| W 9 | 8 7 15 | 3°53'24 | 21°10 | 9°50 | 18°13 | 25°43 | 5° 0 | 26°46 | 2°28 | 13°21 | 7°23 | 24°48 | 23°21 | 26°18 | n.a. | W 9 |
| T 10 | 8 11 11 | 4°52'35 | 6♌ 7 | 11°51 | 19°17 | 25°34 | 4°52 | 26°54 | 2°25 | 13°20 | 7°21 | 24°44 | 23°18 | 26°25 | n.a. | T 10 |
| F 11 | 8 15 8 | 5°51'43 | 20°53 | 13°53 | 20°22 | 25°26 | 4°45 | 27° 1 | 2°23 | 13°20 | 7°20 | 24°38 | 23°14 | 26°31 | n.a. | F 11 |
| S 12 | 8 19 4 | 6°50'50 | 5♍20 | 15°54 | 21°27 | 25°19 | 4°37 | 27° 9 | 2°20 | 13°20 | 7°18 | 24°31 | 23°11 | 26°38 | n.a. | S 12 |
| S 13 | 8 23 1 | 7°49'54 | 19°23 | 17°54 | 22°32 | 25°12 | 4°29 | 27°16 | 2°17 | 13°19 | 7°16 | 24°25 | 23° 8 | 26°44 | n.a. | S 13 |
| M14 | 8 26 57 | 8°48'56 | 2♎59 | 19°52 | 23°37 | 25° 7 | 4°21 | 27°24 | 2°15 | 13°19 | 7°15 | 24°19 | 23° 5 | 26°51 | n.a. | M14 |
| T 15 | 8 30 54 | 9°47'56 | 16° 7 | 21°49 | 24°43 | 25° 2 | 4°14 | 27°31 | 2°12 | 13°18 | 7°13 | 24°14 | 23° 2 | 26°58 | n.a. | T 15 |
| W16 | 8 34 50 | 10°46'54 | 28°51 | 23°44 | 25°49 | 24°57 | 4° 6 | 27°39 | 2°10 | 13°18 | 7°11 | 24°12 | 22°59 | 27° 4 | n.a. | W16 |
| T 17 | 8 38 47 | 11°45'50 | 11♏13 | 25°37 | 26°55 | 24°54 | 3°58 | 27°46 | 2° 7 | 13°17 | 7°10 | 24°D11 | 22°55 | 27°11 | n.a. | T 17 |
| F 18 | 8 42 43 | 12°44'45 | 23°18 | 27°27 | 28° 1 | 24°51 | 3°51 | 27°54 | 2° 5 | 13°17 | 7° 8 | 24°11 | 22°52 | 27°18 | n.a. | F 18 |
| S 19 | 8 46 40 | 13°43'37 | 5♐12 | 29°14 | 29° 7 | 24°49 | 3°43 | 28° 1 | 2° 2 | 13°16 | 7° 6 | 24°13 | 22°49 | 27°24 | n.a. | S 19 |
| S 20 | 8 50 37 | 14°42'28 | 16°59 | 0♓57 | 0♉13 | 24°48 | 3°36 | 28° 8 | 1°59 | 13°16 | 7° 5 | 24°14 | 22°46 | 27°31 | n.a. | S 20 |
| M21 | 8 54 33 | 15°41'16 | 28°46 | 2°36 | 1°20 | 24°D48 | 3°28 | 28°16 | 1°57 | 13°15 | 7° 3 | 24°R14 | 22°43 | 27°38 | n.a. | M21 |
| T 22 | 8 58 30 | 16°40'03 | 10♉35 | 4°11 | 2°26 | 24°48 | 3°21 | 28°23 | 1°54 | 13°14 | 7° 1 | 24°12 | 22°40 | 27°44 | n.a. | T 22 |
| W23 | 9 2 26 | 17°38'48 | 22°31 | 5°42 | 3°33 | 24°49 | 3°13 | 28°30 | 1°52 | 13°14 | 7° 0 | 24° 8 | 22°36 | 27°51 | n.a. | W23 |
| T 24 | 9 6 23 | 18°37'30 | 4♒36 | 7° 8 | 4°40 | 24°51 | 3° 6 | 28°38 | 1°49 | 13°13 | 6°58 | 24° 2 | 22°33 | 27°58 | n.a. | T 24 |
| F 25 | 9 10 19 | 19°36'11 | 16°53 | 8°29 | 5°47 | 24°54 | 2°59 | 28°45 | 1°47 | 13°12 | 6°57 | 23°54 | 22°30 | 28° 4 | n.a. | F 25 |
| S 26 | 9 14 16 | 20°34'49 | 29°22 | 9°45 | 6°54 | 24°57 | 2°52 | 28°52 | 1°45 | 13°11 | 6°55 | 23°44 | 22°27 | 28°11 | n.a. | S 26 |
| S 27 | 9 18 12 | 21°33'25 | 12♓ 5 | 10°55 | 8° 1 | 25° 1 | 2°45 | 28°59 | 1°42 | 13°10 | 6°53 | 23°33 | 22°24 | 28°18 | n.a. | S 27 |
| M28 | 9 22 9 | 22♒31'59 | 24♓59 | 12♓ 0 | 9♉ 9 | 25♊ 6 | 2♌38 | 29♉ 7 | 1♌40 | 13♎10 | 6♌52 | 23♊23 | 22♊20 | 28♐24 | n.a. | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21 s23 | 5 s34 | 5 s12 | 23 s32 | 1 s47 | 19 s41 | 2n42 | 28n19 | 4n25 | 20n46 | 1n40 | 22 s49 | 1 s26 | 20n42 | 0n47 | 3 s28 | 2n 5 | 34n54 | 16n50 | 23n49 | 23n46 | 23 s59 | | n.a. |
| W 2 | 21 11 | 0 7 | 5 0 | 23 6 | 1 43 | 19 55 | 2 38 | 28 17 | 4 24 | 20 48 | 1 41 | 22 48 | 1 26 | 20 42 | 0 47 | 3 28 | 2 5 | 34 55 | 16 50 | 23 49 | 23 46 | 24 0 | | n.a. |
| T 3 | 20 59 | 5n29 | 4 32 | 22 38 | 1 38 | 20 8 | 2 33 | 28 15 | 4 22 | 20 50 | 1 41 | 22 46 | 1 26 | 20 43 | 0 47 | 3 28 | 2 5 | 34 56 | 16 50 | 23 49 | 23 46 | 24 2 | | n.a. |
| F 4 | 20 47 | 10 57 | 3 48 | 22 7 | 1 33 | 20 21 | 2 28 | 28 13 | 4 21 | 20 52 | 1 41 | 22 45 | 1 26 | 20 44 | 0 47 | 3 27 | 2 5 | 34 56 | 16 50 | 23 49 | 23 46 | 24 3 | | n.a. |
| S 5 | 20 34 | 16 0 | 2 49 | 21 35 | 1 27 | 20 34 | 2 24 | 28 12 | 4 19 | 20 54 | 1 41 | 22 44 | 1 26 | 20 44 | 0 47 | 3 27 | 2 6 | 34 57 | 16 51 | 23 49 | 23 46 | 24 4 | | n.a. |
| S 6 | 20 21 | 20 15 | 1 38 | 21 0 | 1 20 | 20 46 | 2 19 | 28 10 | 4 18 | 20 56 | 1 41 | 22 42 | 1 26 | 20 45 | 0 47 | 3 27 | 2 6 | 34 57 | 16 51 | 23 49 | 23 46 | 24 5 | | n.a. |
| M 7 | 20 8 | 23 19 | 0 19 | 20 23 | 1 13 | 20 57 | 2 14 | 28 8 | 4 16 | 20 58 | 1 41 | 22 41 | 1 26 | 20 45 | 0 47 | 3 27 | 2 6 | 34 58 | 16 51 | 23 49 | 23 45 | 24 6 | | n.a. |
| T 8 | 19 54 | 24 48 | 1n 2 | 19 44 | 1 5 | 21 8 | 2 9 | 28 6 | 4 14 | 21 0 | 1 41 | 22 39 | 1 26 | 20 46 | 0 47 | 3 27 | 2 6 | 34 59 | 16 51 | 23 49 | 23 45 | 24 7 | | n.a. |
| W 9 | 19 40 | 24 30 | 2 18 | 19 3 | 0 57 | 21 19 | 2 5 | 28 3 | 4 12 | 21 2 | 1 41 | 22 38 | 1 26 | 20 47 | 0 47 | 3 27 | 2 6 | 34 59 | 16 51 | 23 49 | 23 45 | 24 8 | | n.a. |
| T 10 | 19 26 | 22 26 | 3 26 | 18 20 | 0 47 | 21 29 | 2 0 | 28 1 | 4 11 | 21 4 | 1 41 | 22 37 | 1 26 | 20 47 | 0 47 | 3 27 | 2 6 | 35 0 | 16 51 | 23 49 | 23 45 | 24 9 | | n.a. |
| F 11 | 19 11 | 18 53 | 4 18 | 17 36 | 0 38 | 21 39 | 1 55 | 27 59 | 4 9 | 21 6 | 1 41 | 22 35 | 1 26 | 20 48 | 0 47 | 3 26 | 2 6 | 35 0 | 16 51 | 23 49 | 23 45 | 24 10 | | n.a. |
| S 12 | 18 56 | 14 16 | 4 53 | 16 50 | 0 28 | 21 48 | 1 50 | 27 57 | 4 7 | 21 8 | 1 42 | 22 34 | 1 26 | 20 48 | 0 47 | 3 26 | 2 6 | 35 1 | 16 51 | 23 48 | 23 45 | 24 11 | | n.a. |
| S 13 | 18 41 | 9 0 | 5 8 | 16 3 | 0 17 | 21 57 | 1 46 | 27 55 | 4 5 | 21 10 | 1 42 | 22 32 | 1 26 | 20 49 | 0 47 | 3 26 | 2 6 | 35 1 | 16 51 | 23 48 | 23 44 | 24 12 | | n.a. |
| M14 | 18 25 | 3 27 | 5 6 | 15 15 | 0 6 | 22 5 | 1 41 | 27 53 | 4 3 | 21 12 | 1 42 | 22 31 | 1 27 | 20 50 | 0 47 | 3 26 | 2 6 | 35 2 | 16 51 | 23 48 | 23 44 | 24 13 | | n.a. |
| T 15 | 18 9 | 2 s 3 | 4 47 | 14 26 | 0n 5 | 22 13 | 1 36 | 27 51 | 4 1 | 21 14 | 1 42 | 22 29 | 1 27 | 20 50 | 0 47 | 3 25 | 2 6 | 35 2 | 16 51 | 23 48 | 23 44 | 24 14 | | n.a. |
| W16 | 17 53 | 7 19 | 4 15 | 13 36 | 0 17 | 22 20 | 1 32 | 27 49 | 3 59 | 21 16 | 1 42 | 22 28 | 1 27 | 20 51 | 0 47 | 3 25 | 2 6 | 35 3 | 16 51 | 23 48 | 23 44 | 24 15 | | n.a. |
| T 17 | 17 36 | 12 9 | 3 32 | 12 47 | 0 29 | 22 26 | 1 27 | 27 46 | 3 57 | 21 18 | 1 42 | 22 27 | 1 27 | 20 51 | 0 47 | 3 25 | 2 6 | 35 3 | 16 51 | 23 48 | 23 44 | 24 17 | | n.a. |
| F 18 | 17 19 | 16 24 | 2 39 | 11 57 | 0 42 | 22 32 | 1 22 | 27 44 | 3 55 | 21 20 | 1 42 | 22 25 | 1 27 | 20 52 | 0 47 | 3 25 | 2 6 | 35 4 | 16 51 | 23 48 | 23 44 | 24 18 | | n.a. |
| S 19 | 17 2 | 19 56 | 1 41 | 11 8 | 0 54 | 22 38 | 1 17 | 27 42 | 3 53 | 21 21 | 1 42 | 22 24 | 1 27 | 20 53 | 0 47 | 3 24 | 2 6 | 35 4 | 16 51 | 23 48 | 23 43 | 24 19 | | n.a. |
| S 20 | 16 45 | 22 37 | 0 39 | 10 20 | 1 6 | 22 43 | 1 13 | 27 40 | 3 51 | 21 23 | 1 42 | 22 22 | 1 27 | 20 53 | 0 47 | 3 24 | 2 6 | 35 5 | 16 51 | 23 48 | 23 43 | 24 20 | | n.a. |
| M21 | 16 27 | 24 19 | 0 s24 | 9 32 | 1 19 | 22 47 | 1 8 | 27 38 | 3 49 | 21 25 | 1 42 | 22 21 | 1 27 | 20 54 | 0 47 | 3 24 | 2 7 | 35 5 | 16 51 | 23 48 | 23 43 | 24 21 | | n.a. |
| T 22 | 16 9 | 24 56 | 1 27 | 8 46 | 1 31 | 22 50 | 1 4 | 27 36 | 3 47 | 21 27 | 1 42 | 22 19 | 1 27 | 20 54 | 0 47 | 3 23 | 2 7 | 35 5 | 16 51 | 23 48 | 23 43 | 24 22 | | n.a. |
| W23 | 15 51 | 24 24 | 2 26 | 8 1 | 1 43 | 22 53 | 0 59 | 27 34 | 3 45 | 21 29 | 1 42 | 22 18 | 1 27 | 20 55 | 0 47 | 3 23 | 2 7 | 35 6 | 16 51 | 23 47 | 23 43 | 24 23 | | n.a. |
| T 24 | 15 33 | 22 43 | 3 19 | 7 18 | 1 54 | 22 56 | 0 54 | 27 32 | 3 43 | 21 30 | 1 42 | 22 17 | 1 28 | 20 55 | 0 47 | 3 23 | 2 7 | 35 6 | 16 51 | 23 47 | 23 43 | 24 24 | | n.a. |
| F 25 | 15 14 | 19 57 | 4 4 | 6 37 | 2 6 | 22 58 | 0 50 | 27 30 | 3 41 | 21 32 | 1 42 | 22 15 | 1 28 | 20 56 | 0 47 | 3 22 | 2 7 | 35 7 | 16 51 | 23 47 | 23 42 | 24 25 | | n.a. |
| S 26 | 14 55 | 16 15 | 4 38 | 5 58 | 2 16 | 22 59 | 0 46 | 27 28 | 3 39 | 21 34 | 1 42 | 22 14 | 1 28 | 20 56 | 0 47 | 3 22 | 2 7 | 35 7 | 16 51 | 23 46 | 23 42 | 24 26 | | n.a. |
| S 27 | 14 36 | 11 45 | 4 59 | 5 22 | 2 27 | 22 59 | 0 41 | 27 26 | 3 37 | 21 35 | 1 42 | 22 12 | 1 28 | 20 57 | 0 47 | 3 22 | 2 7 | 35 7 | 16 51 | 23 46 | 23 42 | 24 26 | | n.a. |
| M28 | 14 s17 | 6 s40 | 5 s 4 | 4 s48 | 2n36 | 22 s59 | 0n37 | 27n24 | 3n35 | 21n37 | 1n42 | 22 s11 | 1 s28 | 20n58 | 0n47 | 3 s21 | 2n 7 | 35n 8 | 16n51 | 23n45 | 23n42 | 24 s27 | | n.a. |

Julian Day Number = 997528.5, Delta T = 12h55m07s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'53, Lahiri = -31°16'53 Julian Calendar 1 Feb. 1982 BCE == Greg. Calendar 15 Jan. 1982 BCE


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## MARCH 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 26 5 | 23♒30'31 | 8♈ 7 | 12♓59 | 10♉16 | 25♊11 | 2°R31 | 29♉14 | 1°R37 | 13°R 9 | 6°R50 | 23°R15 | 22♊17 | 28♐31 | n.a. | T 1 |
| W 2 | 9 30 2 | 24°29'01 | 21°26 | 13°52 | 11°24 | 25°17 | 2♌24 | 29°21 | 1♌35 | 13♎ 8 | 6♌49 | 23♊ 8 | 22°14 | 28°37 | n.a. | W 2 |
| T 3 | 9 33 59 | 25°27'28 | 4♉57 | 14°39 | 12°32 | 25°24 | 2°18 | 29°28 | 1°33 | 13° 7 | 6°47 | 23° 4 | 22°11 | 28°44 | n.a. | T 3 |
| F 4 | 9 37 55 | 26°25'53 | 18°41 | 15°21 | 13°40 | 25°31 | 2°11 | 29°35 | 1°30 | 13° 6 | 6°46 | 23° 2 | 22° 8 | 28°51 | n.a. | F 4 |
| S 5 | 9 41 52 | 27°24'15 | 2♊37 | 15°56 | 14°48 | 25°39 | 2° 5 | 29°42 | 1°28 | 13° 5 | 6°44 | 23°D 2 | 22° 5 | 28°57 | n.a. | S 5 |
| S 6 | 9 45 48 | 28°22'36 | 16°46 | 16°25 | 15°56 | 25°48 | 1°58 | 29°49 | 1°26 | 13° 4 | 6°43 | 23°R 2 | 22° 1 | 29° 4 | n.a. | S 6 |
| M 7 | 9 49 45 | 29°20'54 | 1♋ 6 | 16°49 | 17° 4 | 25°57 | 1°52 | 29°56 | 1°24 | 13° 3 | 6°41 | 23° 2 | 21°58 | 29°11 | n.a. | M 7 |
| T 8 | 9 53 41 | 0♓19'09 | 15°35 | 17° 6 | 18°12 | 26° 7 | 1°46 | 0♒ 3 | 1°22 | 13° 2 | 6°40 | 23° 0 | 21°55 | 29°17 | n.a. | T 8 |
| W 9 | 9 57 38 | 1°17'23 | 0♌10 | 17°17 | 19°20 | 26°17 | 1°40 | 0°10 | 1°19 | 13° 1 | 6°38 | 22°56 | 21°52 | 29°24 | n.a. | W 9 |
| T 10 | 10 1 34 | 2°15'34 | 14°45 | 17°R22 | 20°29 | 26°28 | 1°34 | 0°17 | 1°17 | 13° 0 | 6°37 | 22°49 | 21°49 | 29°31 | n.a. | T 10 |
| F 11 | 10 5 31 | 3°13'44 | 29°13 | 17°21 | 21°37 | 26°40 | 1°28 | 0°24 | 1°15 | 12°59 | 6°35 | 22°40 | 21°46 | 29°37 | n.a. | F 11 |
| S 12 | 10 9 28 | 4°11'51 | 13♍28 | 17°15 | 22°46 | 26°52 | 1°23 | 0°30 | 1°13 | 12°57 | 6°34 | 22°29 | 21°42 | 29°44 | n.a. | S 12 |
| S 13 | 10 13 24 | 5° 9'57 | 27°24 | 17° 4 | 23°54 | 27° 4 | 1°17 | 0°37 | 1°11 | 12°56 | 6°33 | 22°18 | 21°39 | 29°51 | n.a. | S 13 |
| M14 | 10 17 21 | 6° 8'00 | 10♎57 | 16°48 | 25° 3 | 27°18 | 1°12 | 0°44 | 1° 9 | 12°55 | 6°31 | 22° 8 | 21°36 | 29°57 | n.a. | M14 |
| T 15 | 10 21 17 | 7° 6'02 | 24° 5 | 16°27 | 26°12 | 27°31 | 1° 7 | 0°50 | 1° 7 | 12°54 | 6°30 | 21°59 | 21°33 | 0♉ 4 | n.a. | T 15 |
| W16 | 10 25 14 | 8° 4'03 | 6♏50 | 16° 1 | 27°21 | 27°46 | 1° 2 | 0°57 | 1° 5 | 12°53 | 6°28 | 21°53 | 21°30 | 0°10 | n.a. | W16 |
| T 17 | 10 29 10 | 9° 2'02 | 19°14 | 15°33 | 28°30 | 28° 0 | 0°57 | 1° 3 | 1° 3 | 12°51 | 6°27 | 21°50 | 21°26 | 0°17 | n.a. | T 17 |
| F 18 | 10 33 7 | 9°59'59 | 1♐21 | 15° 1 | 29°39 | 28°15 | 0°52 | 1°10 | 1° 2 | 12°50 | 6°26 | 21°48 | 21°23 | 0°24 | n.a. | F 18 |
| S 19 | 10 37 3 | 10°57'55 | 13°16 | 14°26 | 0♒48 | 28°31 | 0°48 | 1°16 | 1° 0 | 12°49 | 6°24 | 21°D48 | 21°20 | 0°30 | n.a. | S 19 |
| S 20 | 10 41 0 | 11°55'50 | 25° 5 | 13°50 | 1°57 | 28°47 | 0°43 | 1°23 | 0°58 | 12°47 | 6°23 | 21°R48 | 21°17 | 0°37 | n.a. | S 20 |
| M21 | 10 44 56 | 12°53'43 | 6♉53 | 13°12 | 3° 7 | 29° 4 | 0°39 | 1°29 | 0°56 | 12°46 | 6°22 | 21°47 | 21°14 | 0°44 | n.a. | M21 |
| T 22 | 10 48 53 | 13°51'34 | 18°46 | 12°34 | 4°16 | 29°21 | 0°35 | 1°35 | 0°55 | 12°45 | 6°21 | 21°45 | 21°11 | 0°50 | n.a. | T 22 |
| W23 | 10 52 50 | 14°49'24 | 0♒47 | 11°56 | 5°26 | 29°39 | 0°31 | 1°42 | 0°53 | 12°43 | 6°20 | 21°40 | 21° 7 | 0°57 | n.a. | W23 |
| T 24 | 10 56 46 | 15°47'13 | 13° 0 | 11°19 | 6°35 | 29°57 | 0°27 | 1°48 | 0°51 | 12°42 | 6°18 | 21°32 | 21° 4 | 1° 4 | n.a. | T 24 |
| F 25 | 11 0 43 | 16°45'00 | 25°29 | 10°44 | 7°45 | 0♋15 | 0°24 | 1°54 | 0°50 | 12°41 | 6°17 | 21°22 | 21° 1 | 1°10 | n.a. | F 25 |
| S 26 | 11 4 39 | 17°42'45 | 8♓14 | 10°10 | 8°54 | 0°34 | 0°21 | 2° 0 | 0°48 | 12°39 | 6°16 | 21°10 | 20°58 | 1°17 | n.a. | S 26 |
| S 27 | 11 8 36 | 18°40'29 | 21°16 | 9°39 | 10° 4 | 0°53 | 0°17 | 2° 6 | 0°47 | 12°38 | 6°15 | 20°57 | 20°55 | 1°24 | n.a. | S 27 |
| M28 | 11 12 32 | 19°38'12 | 4♈33 | 9°11 | 11°14 | 1°13 | 0°14 | 2°12 | 0°45 | 12°36 | 6°14 | 20°45 | 20°51 | 1°30 | n.a. | M28 |
| T 29 | 11 16 29 | 20°35'52 | 18° 3 | 8°46 | 12°24 | 1°33 | 0°11 | 2°18 | 0°44 | 12°35 | 6°13 | 20°34 | 20°48 | 1°37 | n.a. | T 29 |
| W30 | 11 20 25 | 21°33'32 | 1♉44 | 8°25 | 13°34 | 1°53 | 0° 9 | 2°24 | 0°43 | 12°33 | 6°12 | 20°25 | 20°45 | 1°44 | n.a. | W30 |
| T 31 | 11 24 22 | 22♓31'09 | 15♉34 | 8♓ 8 | 14♒44 | 2♋14 | 0♌ 6 | 2♒30 | 0♌41 | 12♎32 | 6♌11 | 20♊20 | 20♊42 | 1♉50 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 13s57 | 1s13 | 4s54 | 4s17 | 2n45 | 22s59 | 0n32 | 27n22 | 3n33 | 21n38 | 1n41 | 22s10 | 1s28 | 20n58 | 0n47 | 3s21 | 2n 7 | 35n 8 | 16n51 | 23n45 | 23n42 | 24s28 | | | n.a. |
| W 2 | 13 38 | 4n23 | 4 29 | 3 49 | 2 53 | 22 57 | 0 28 | 27 21 | 3 31 | 21 40 | 1 41 | 22 8 | 1 28 | 20 59 | 0 47 | 3 20 | 2 7 | 35 8 | 16 51 | 23 44 | 23 41 | 24 29 | | | n.a. |
| T 3 | 13 18 | 9 52 | 3 47 | 3 24 | 3 0 | 22 55 | 0 24 | 27 19 | 3 29 | 21 41 | 1 41 | 22 7 | 1 28 | 20 59 | 0 47 | 3 20 | 2 7 | 35 9 | 16 51 | 23 44 | 23 41 | 24 30 | | | n.a. |
| F 4 | 12 57 | 14 58 | 2 53 | 3 2 | 3 6 | 22 53 | 0 20 | 27 17 | 3 26 | 21 43 | 1 41 | 22 5 | 1 29 | 21 0 | 0 47 | 3 20 | 2 7 | 35 9 | 16 50 | 23 44 | 23 41 | 24 31 | | | n.a. |
| S 5 | 12 37 | 19 22 | 1 47 | 2 43 | 3 12 | 22 50 | 0 15 | 27 15 | 3 24 | 21 44 | 1 41 | 22 4 | 1 29 | 21 0 | 0 47 | 3 19 | 2 7 | 35 9 | 16 50 | 23 44 | 23 41 | 24 32 | | | n.a. |
| S 6 | 12 17 | 22 42 | 0 33 | 2 28 | 3 16 | 22 46 | 0 11 | 27 14 | 3 22 | 21 46 | 1 41 | 22 3 | 1 29 | 21 1 | 0 47 | 3 19 | 2 7 | 35 10 | 16 50 | 23 44 | 23 41 | 24 33 | | | n.a. |
| M 7 | 11 56 | 24 38 | 0n43 | 2 16 | 3 19 | 22 41 | 0 7 | 27 12 | 3 20 | 21 47 | 1 41 | 22 1 | 1 29 | 21 1 | 0 47 | 3 18 | 2 7 | 35 10 | 16 50 | 23 44 | 23 40 | 24 34 | | | n.a. |
| T 8 | 11 35 | 24 56 | 1 57 | 2 7 | 3 21 | 22 36 | 0 3 | 27 10 | 3 18 | 21 48 | 1 41 | 22 0 | 1 29 | 21 2 | 0 47 | 3 18 | 2 7 | 35 10 | 16 50 | 23 44 | 23 40 | 24 35 | | | n.a. |
| W 9 | 11 14 | 23 31 | 3 4 | 2 2 | 3 21 | 22 31 | 0s 1 | 27 8 | 3 16 | 21 50 | 1 41 | 21 58 | 1 29 | 21 2 | 0 47 | 3 17 | 2 7 | 35 10 | 16 50 | 23 44 | 23 40 | 24 36 | | | n.a. |
| T 10 | 10 53 | 20 32 | 3 59 | 2 1 | 3 21 | 22 24 | 0 5 | 27 7 | 3 14 | 21 51 | 1 41 | 21 57 | 1 29 | 21 3 | 0 47 | 3 17 | 2 7 | 35 11 | 16 49 | 23 43 | 23 40 | 24 37 | | | n.a. |
| F 11 | 10 31 | 16 18 | 4 38 | 2 3 | 3 19 | 22 17 | 0 8 | 27 5 | 3 12 | 21 52 | 1 41 | 21 56 | 1 29 | 21 3 | 0 47 | 3 16 | 2 7 | 35 11 | 16 49 | 23 43 | 23 40 | 24 38 | | | n.a. |
| S 12 | 10 10 | 11 12 | 4 58 | 2 8 | 3 15 | 22 10 | 0 12 | 27 3 | 3 10 | 21 53 | 1 40 | 21 54 | 1 30 | 21 3 | 0 47 | 3 16 | 2 8 | 35 11 | 16 49 | 23 42 | 23 39 | 24 39 | | | n.a. |
| S 13 | 9 48 | 5 38 | 5 1 | 2 17 | 3 11 | 22 1 | 0 16 | 27 2 | 3 8 | 21 54 | 1 40 | 21 53 | 1 30 | 21 4 | 0 47 | 3 15 | 2 8 | 35 11 | 16 49 | 23 42 | 23 39 | 24 39 | | | n.a. |
| M14 | 9 27 | 0s 3 | 4 46 | 2 29 | 3 5 | 21 52 | 0 20 | 27 0 | 3 7 | 21 55 | 1 40 | 21 52 | 1 30 | 21 4 | 0 47 | 3 15 | 2 8 | 35 11 | 16 49 | 23 41 | 23 39 | 24 40 | | | n.a. |
| T 15 | 9 5 | 5 34 | 4 17 | 2 45 | 2 57 | 21 43 | 0 23 | 26 59 | 3 5 | 21 56 | 1 40 | 21 50 | 1 30 | 21 5 | 0 47 | 3 14 | 2 8 | 35 12 | 16 48 | 23 41 | 23 39 | 24 41 | | | n.a. |
| W16 | 8 43 | 10 42 | 3 35 | 3 3 | 2 48 | 21 33 | 0 27 | 26 57 | 3 3 | 21 57 | 1 40 | 21 49 | 1 30 | 21 5 | 0 47 | 3 14 | 2 8 | 35 12 | 16 48 | 23 40 | 23 39 | 24 42 | | | n.a. |
| T 17 | 8 21 | 15 16 | 2 44 | 3 23 | 2 38 | 21 22 | 0 30 | 26 55 | 3 1 | 21 58 | 1 40 | 21 48 | 1 30 | 21 6 | 0 47 | 3 13 | 2 8 | 35 12 | 16 48 | 23 40 | 23 38 | 24 43 | | | n.a. |
| F 18 | 7 58 | 19 7 | 1 46 | 3 46 | 2 27 | 21 11 | 0 34 | 26 54 | 2 59 | 21 59 | 1 40 | 21 46 | 1 31 | 21 6 | 0 47 | 3 13 | 2 8 | 35 12 | 16 48 | 23 40 | 23 38 | 24 44 | | | n.a. |
| S 19 | 7 36 | 22 6 | 0 45 | 4 11 | 2 14 | 20 59 | 0 37 | 26 52 | 2 57 | 22 0 | 1 39 | 21 45 | 1 31 | 21 6 | 0 47 | 3 12 | 2 8 | 35 12 | 16 47 | 23 40 | 23 38 | 24 45 | | | n.a. |
| S 20 | 7 14 | 24 7 | 0s17 | 4 38 | 2 1 | 20 47 | 0 40 | 26 50 | 2 55 | 22 1 | 1 39 | 21 44 | 1 31 | 21 7 | 0 47 | 3 12 | 2 8 | 35 12 | 16 47 | 23 40 | 23 38 | 24 45 | | | n.a. |
| M21 | 6 51 | 25 3 | 1 19 | 5 6 | 1 46 | 20 33 | 0 43 | 26 48 | 2 53 | 22 2 | 1 39 | 21 42 | 1 31 | 21 7 | 0 47 | 3 11 | 2 8 | 35 12 | 16 47 | 23 40 | 23 38 | 24 46 | | | n.a. |
| T 22 | 6 28 | 24 51 | 2 18 | 5 34 | 1 31 | 20 20 | 0 46 | 26 47 | 2 51 | 22 2 | 1 39 | 21 41 | 1 31 | 21 7 | 0 47 | 3 11 | 2 8 | 35 12 | 16 46 | 23 40 | 23 37 | 24 47 | | | n.a. |
| W23 | 6 6 | 23 29 | 3 11 | 6 4 | 1 15 | 20 6 | 0 49 | 26 45 | 2 50 | 22 3 | 1 39 | 21 40 | 1 31 | 21 8 | 0 47 | 3 10 | 2 8 | 35 12 | 16 46 | 23 39 | 23 37 | 24 48 | | | n.a. |
| T 24 | 5 43 | 21 1 | 3 56 | 6 33 | 0 59 | 19 51 | 0 52 | 26 43 | 2 48 | 22 4 | 1 39 | 21 39 | 1 32 | 21 8 | 0 47 | 3 9 | 2 8 | 35 13 | 16 46 | 23 39 | 23 37 | 24 49 | | | n.a. |
| F 25 | 5 20 | 17 31 | 4 31 | 7 2 | 0 43 | 19 36 | 0 55 | 26 41 | 2 46 | 22 4 | 1 38 | 21 37 | 1 32 | 21 8 | 0 47 | 3 9 | 2 8 | 35 13 | 16 46 | 23 38 | 23 37 | 24 50 | | | n.a. |
| S 26 | 4 57 | 13 9 | 4 53 | 7 30 | 0 26 | 19 20 | 0 58 | 26 39 | 2 44 | 22 5 | 1 38 | 21 36 | 1 32 | 21 9 | 0 47 | 3 8 | 2 8 | 35 13 | 16 45 | 23 37 | 23 36 | 24 50 | | | n.a. |
| S 27 | 4 34 | 8 7 | 5 0 | 7 58 | 0 9 | 19 3 | 1 1 | 26 38 | 2 42 | 22 5 | 1 38 | 21 35 | 1 32 | 21 9 | 0 47 | 3 8 | 2 8 | 35 13 | 16 45 | 23 36 | 23 36 | 24 51 | | | n.a. |
| M28 | 4 11 | 2 36 | 4 52 | 8 24 | 0s 7 | 18 46 | 1 4 | 26 36 | 2 41 | 22 6 | 1 38 | 21 34 | 1 32 | 21 9 | 0 47 | 3 7 | 2 8 | 35 13 | 16 45 | 23 36 | 23 36 | 24 52 | | | n.a. |
| T 29 | 3 48 | 3n 7 | 4 27 | 8 48 | 0 23 | 18 29 | 1 6 | 26 34 | 2 39 | 22 6 | 1 38 | 21 33 | 1 32 | 21 10 | 0 47 | 3 6 | 2 8 | 35 13 | 16 44 | 23 35 | 23 36 | 24 53 | | | n.a. |
| W30 | 3 25 | 8 47 | 3 47 | 9 11 | 0 39 | 18 11 | 1 9 | 26 32 | 2 37 | 22 7 | 1 37 | 21 31 | 1 33 | 21 10 | 0 47 | 3 6 | 2 8 | 35 13 | 16 44 | 23 34 | 23 36 | 24 54 | | | n.a. |
| T 31 | 3s 2 | 14n 5 | 2s52 | 9s31 | 0s54 | 17s52 | 1s11 | 26n30 | 2n35 | 22n 7 | 1n37 | 21s30 | 1s33 | 21n10 | 0n47 | 3s 5 | 2n 8 | 35n12 | 16n44 | 23n34 | 23n35 | 24s54 | | | n.a. |

Julian Day Number = 997556.5, Delta T = 12h55m05s
Ecliptic obliquity = 23°55'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'49, Lahiri = -31°16'49 Julian Calendar 1 March 1982 BCE == Greg. Calendar 12 Feb. 1982 BCE

The year -1981 astronomical counting style corresponds to year 1982 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## APRIL 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 28 18 | 23♓28'45 | 29♉30 | 7°R56 | 15♒54 | 2♋35 | 0°R 4 | 2♒35 | 0°R40 | 12°R30 | 6°R10 | 20°R17 | 20♊39 | 1♑57 | n.a. | F 1 |
| S 2 | 11 32 15 | 24°26'19 | 13♊31 | 7♓48 | 17° 4 | 2°57 | 0♌ 2 | 2°41 | 0♌39 | 12♎29 | 6♌ 9 | 20♊16 | 20°36 | 2° 3 | n.a. | S 2 |
| S 3 | 11 36 12 | 25°23'52 | 27°36 | 7°D44 | 18°14 | 3°19 | 29♋59 | 2°47 | 0°38 | 12°27 | 6° 8 | 20°16 | 20°32 | 2°10 | n.a. | S 3 |
| M 4 | 11 40 8 | 26°21'23 | 11♋45 | 7°45 | 19°24 | 3°41 | 29°58 | 2°52 | 0°37 | 12°26 | 6° 7 | 20°15 | 20°29 | 2°17 | n.a. | M 4 |
| T 5 | 11 44 5 | 27°18'52 | 25°57 | 7°50 | 20°34 | 4° 4 | 29°56 | 2°58 | 0°35 | 12°24 | 6° 6 | 20°13 | 20°26 | 2°23 | n.a. | T 5 |
| W 6 | 11 48 1 | 28°16'19 | 10♌ 9 | 8° 0 | 21°44 | 4°27 | 29°55 | 3° 3 | 0°34 | 12°23 | 6° 5 | 20° 9 | 20°23 | 2°30 | n.a. | W 6 |
| T 7 | 11 51 58 | 29°13'45 | 24°18 | 8°15 | 22°55 | 4°50 | 29°53 | 3° 8 | 0°34 | 12°21 | 6° 4 | 20° 1 | 20°20 | 2°37 | n.a. | T 7 |
| F 8 | 11 55 54 | 0♈11'10 | 8♍21 | 8°34 | 24° 5 | 5°14 | 29°52 | 3°14 | 0°33 | 12°20 | 6° 3 | 19°52 | 20°17 | 2°43 | n.a. | F 8 |
| S 9 | 11 59 51 | 1° 8'33 | 22°12 | 8°57 | 25°15 | 5°38 | 29°51 | 3°19 | 0°32 | 12°18 | 6° 3 | 19°40 | 20°13 | 2°50 | n.a. | S 9 |
| S 10 | 12 3 47 | 2° 5'55 | 5♎49 | 9°24 | 26°26 | 6° 2 | 29°51 | 3°24 | 0°31 | 12°16 | 6° 2 | 19°29 | 20°10 | 2°57 | n.a. | S 10 |
| M11 | 12 7 44 | 3° 3'16 | 19° 8 | 9°56 | 27°36 | 6°26 | 29°50 | 3°29 | 0°30 | 12°15 | 6° 1 | 19°18 | 20° 7 | 3° 3 | n.a. | M11 |
| T 12 | 12 11 41 | 4° 0'36 | 2♏ 7 | 10°32 | 28°47 | 6°51 | 29°50 | 3°34 | 0°29 | 12°13 | 6° 0 | 19° 8 | 20° 4 | 3°10 | n.a. | T 12 |
| W13 | 12 15 37 | 4°57'55 | 14°47 | 11°12 | 29°58 | 7°16 | 29°50 | 3°39 | 0°29 | 12°12 | 6° 0 | 19° 2 | 20° 1 | 3°17 | n.a. | W13 |
| T 14 | 12 19 34 | 5°55'13 | 27° 8 | 11°55 | 1♓ 8 | 7°42 | 29°D50 | 3°44 | 0°28 | 12°10 | 5°59 | 18°57 | 19°57 | 3°23 | n.a. | T 14 |
| F 15 | 12 23 30 | 6°52'30 | 9♐14 | 12°43 | 2°19 | 8° 7 | 29°50 | 3°49 | 0°28 | 12° 8 | 5°59 | 18°55 | 19°54 | 3°30 | n.a. | F 15 |
| S 16 | 12 27 27 | 7°49'46 | 21°10 | 13°34 | 3°30 | 8°33 | 29°50 | 3°53 | 0°27 | 12° 7 | 5°58 | 18°D55 | 19°51 | 3°37 | n.a. | S 16 |
| S 17 | 12 31 23 | 8°47'02 | 2♑59 | 14°28 | 4°40 | 8°59 | 29°51 | 3°58 | 0°27 | 12° 5 | 5°57 | 18°R55 | 19°48 | 3°43 | n.a. | S 17 |
| M18 | 12 35 20 | 9°44'17 | 14°49 | 15°26 | 5°51 | 9°26 | 29°51 | 4° 3 | 0°26 | 12° 4 | 5°57 | 18°55 | 19°45 | 3°50 | n.a. | M18 |
| T 19 | 12 39 16 | 10°41'32 | 26°43 | 16°28 | 7° 2 | 9°53 | 29°52 | 4° 7 | 0°26 | 12° 2 | 5°56 | 18°54 | 19°42 | 3°57 | n.a. | T 19 |
| W20 | 12 43 13 | 11°38'45 | 8♒47 | 17°32 | 8°13 | 10°20 | 29°53 | 4°11 | 0°26 | 12° 0 | 5°56 | 18°51 | 19°38 | 4° 3 | n.a. | W20 |
| T 21 | 12 47 10 | 12°35'58 | 21° 5 | 18°40 | 9°24 | 10°47 | 29°55 | 4°16 | 0°25 | 11°59 | 5°56 | 18°45 | 19°35 | 4°10 | n.a. | T 21 |
| F 22 | 12 51 6 | 13°33'11 | 3♓42 | 19°51 | 10°35 | 11°14 | 29°56 | 4°20 | 0°25 | 11°57 | 5°55 | 18°37 | 19°32 | 4°16 | n.a. | F 22 |
| S 23 | 12 55 3 | 14°30'23 | 16°39 | 21° 5 | 11°46 | 11°42 | 29°58 | 4°24 | 0°25 | 11°55 | 5°55 | 18°28 | 19°29 | 4°23 | n.a. | S 23 |
| S 24 | 12 58 59 | 15°27'34 | 29°57 | 22°22 | 12°57 | 12°10 | 29°59 | 4°28 | 0°25 | 11°54 | 5°54 | 18°17 | 19°26 | 4°30 | n.a. | S 24 |
| M25 | 13 2 56 | 16°24'45 | 13♈34 | 23°42 | 14° 9 | 12°38 | 0♌ 1 | 4°32 | 0°D25 | 11°52 | 5°54 | 18° 7 | 19°22 | 4°36 | n.a. | M25 |
| T 26 | 13 6 52 | 17°21'55 | 27°27 | 25° 5 | 15°20 | 13° 7 | 0° 4 | 4°36 | 0°25 | 11°51 | 5°54 | 17°59 | 19°19 | 4°43 | n.a. | T 26 |
| W27 | 13 10 49 | 18°19'04 | 11♉33 | 26°31 | 16°31 | 13°36 | 0° 6 | 4°40 | 0°25 | 11°49 | 5°54 | 17°52 | 19°16 | 4°50 | n.a. | W27 |
| T 28 | 13 14 45 | 19°16'12 | 25°47 | 27°59 | 17°42 | 14° 5 | 0° 8 | 4°44 | 0°25 | 11°47 | 5°53 | 17°48 | 19°13 | 4°56 | n.a. | T 28 |
| F 29 | 13 18 42 | 20°13'20 | 10♊ 4 | 29°31 | 18°54 | 14°34 | 0°11 | 4°47 | 0°25 | 11°46 | 5°53 | 17°46 | 19°10 | 5° 3 | n.a. | F 29 |
| S 30 | 13 22 39 | 21♈10'27 | 24♊21 | 1♈ 6 | 20♓ 5 | 15♋ 3 | 0♌14 | 4♒51 | 0♌25 | 11♎44 | 5♌53 | 17°D46 | 19♊ 7 | 5♑10 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 2s38 | 18n42 | 1s48 | 9s49 | 1s 9 | 17s34 | 1s13 | 26n28 | 2n34 | 22n 7 | 1n37 | 21s29 | 1s33 | 21n10 | 0n47 | 3s 5 | 2n 8 | 35n12 | 16n43 | 23n34 | 23n35 | 24s55 | | n.a. |
| S 2 | 2 15 | 22 18 | 0 36 | 10 5 | 1 23 | 17 14 | 1 16 | 26 25 | 2 32 | 22 8 | 1 37 | 21 28 | 1 33 | 21 11 | 0 47 | 3 4 | 2 8 | 35 12 | 16 43 | 23 33 | 23 35 | 24 56 | | n.a. |
| S 3 | 1 52 | 24 33 | 0n39 | 10 19 | 1 36 | 16 54 | 1 18 | 26 23 | 2 30 | 22 8 | 1 37 | 21 27 | 1 33 | 21 11 | 0 47 | 3 3 | 2 8 | 35 12 | 16 42 | 23 33 | 23 35 | 24 57 | | n.a. |
| M 4 | 1 29 | 25 14 | 1 51 | 10 30 | 1 48 | 16 34 | 1 20 | 26 21 | 2 29 | 22 8 | 1 36 | 21 26 | 1 33 | 21 11 | 0 47 | 3 3 | 2 8 | 35 12 | 16 42 | 23 33 | 23 34 | 24 57 | | n.a. |
| T 5 | 1 5 | 24 17 | 2 57 | 10 38 | 1 59 | 16 13 | 1 22 | 26 19 | 2 27 | 22 8 | 1 36 | 21 25 | 1 34 | 21 11 | 0 47 | 3 2 | 2 8 | 35 12 | 16 42 | 23 33 | 23 34 | 24 58 | | n.a. |
| W 6 | 0 42 | 21 46 | 3 51 | 10 44 | 2 10 | 15 52 | 1 24 | 26 16 | 2 25 | 22 8 | 1 36 | 21 23 | 1 34 | 21 11 | 0 47 | 3 1 | 2 8 | 35 12 | 16 41 | 23 33 | 23 34 | 24 59 | | n.a. |
| T 7 | 0 19 | 17 57 | 4 32 | 10 48 | 2 20 | 15 30 | 1 26 | 26 14 | 2 24 | 22 9 | 1 36 | 21 22 | 1 34 | 21 12 | 0 46 | 3 1 | 2 8 | 35 12 | 16 41 | 23 32 | 23 34 | 25 0 | | n.a. |
| F 8 | 0n 5 | 13 9 | 4 55 | 10 48 | 2 28 | 15 8 | 1 28 | 26 11 | 2 22 | 22 9 | 1 36 | 21 21 | 1 34 | 21 12 | 0 46 | 3 0 | 2 8 | 35 12 | 16 41 | 23 32 | 23 33 | 25 0 | | n.a. |
| S 9 | 0 28 | 7 44 | 5 1 | 10 47 | 2 36 | 14 45 | 1 29 | 26 8 | 2 21 | 22 9 | 1 35 | 21 20 | 1 34 | 21 12 | 0 46 | 3 0 | 2 8 | 35 11 | 16 40 | 23 31 | 23 33 | 25 1 | | n.a. |
| S 10 | 0 51 | 2 3 | 4 49 | 10 43 | 2 43 | 14 23 | 1 31 | 26 6 | 2 19 | 22 8 | 1 35 | 21 19 | 1 35 | 21 12 | 0 46 | 2 59 | 2 8 | 35 11 | 16 40 | 23 30 | 23 33 | 25 2 | | n.a. |
| M11 | 1 14 | 3s37 | 4 22 | 10 36 | 2 49 | 13 59 | 1 32 | 26 3 | 2 17 | 22 8 | 1 35 | 21 18 | 1 35 | 21 12 | 0 46 | 2 58 | 2 8 | 35 11 | 16 39 | 23 29 | 23 33 | 25 2 | | n.a. |
| T 12 | 1 38 | 9 0 | 3 41 | 10 27 | 2 54 | 13 36 | 1 34 | 26 0 | 2 16 | 22 8 | 1 35 | 21 17 | 1 35 | 21 12 | 0 46 | 2 58 | 2 8 | 35 11 | 16 39 | 23 28 | 23 33 | 25 3 | | n.a. |
| W13 | 2 1 | 13 53 | 2 51 | 10 15 | 2 59 | 13 12 | 1 35 | 25 57 | 2 14 | 22 8 | 1 35 | 21 16 | 1 35 | 21 12 | 0 46 | 2 57 | 2 8 | 35 11 | 16 39 | 23 28 | 23 32 | 25 4 | | n.a. |
| T 14 | 2 24 | 18 5 | 1 53 | 10 1 | 3 2 | 12 47 | 1 36 | 25 54 | 2 13 | 22 8 | 1 34 | 21 15 | 1 35 | 21 13 | 0 46 | 2 56 | 2 8 | 35 10 | 16 38 | 23 27 | 23 32 | 25 5 | | n.a. |
| F 15 | 2 47 | 21 26 | 0 51 | 9 45 | 3 5 | 12 22 | 1 38 | 25 51 | 2 11 | 22 8 | 1 34 | 21 14 | 1 36 | 21 13 | 0 46 | 2 56 | 2 8 | 35 10 | 16 38 | 23 27 | 23 32 | 25 5 | | n.a. |
| S 16 | 3 10 | 23 49 | 0s12 | 9 27 | 3 7 | 11 57 | 1 39 | 25 48 | 2 10 | 22 7 | 1 34 | 21 13 | 1 36 | 21 13 | 0 46 | 2 55 | 2 8 | 35 10 | 16 37 | 23 27 | 23 32 | 25 6 | | n.a. |
| S 17 | 3 33 | 25 8 | 1 14 | 9 6 | 3 8 | 11 32 | 1 40 | 25 45 | 2 8 | 22 7 | 1 34 | 21 12 | 1 36 | 21 13 | 0 46 | 2 54 | 2 8 | 35 10 | 16 37 | 23 27 | 23 31 | 25 7 | | n.a. |
| M18 | 3 56 | 25 17 | 2 13 | 8 44 | 3 8 | 11 6 | 1 41 | 25 41 | 2 7 | 22 7 | 1 33 | 21 12 | 1 36 | 21 13 | 0 46 | 2 54 | 2 8 | 35 9 | 16 36 | 23 27 | 23 31 | 25 7 | | n.a. |
| T 19 | 4 19 | 24 18 | 3 7 | 8 19 | 3 7 | 10 40 | 1 42 | 25 38 | 2 5 | 22 6 | 1 33 | 21 11 | 1 37 | 21 13 | 0 46 | 2 53 | 2 8 | 35 9 | 16 36 | 23 27 | 23 31 | 25 8 | | n.a. |
| W20 | 4 42 | 22 10 | 3 53 | 7 52 | 3 6 | 10 14 | 1 42 | 25 34 | 2 4 | 22 6 | 1 33 | 21 10 | 1 37 | 21 13 | 0 46 | 2 53 | 2 8 | 35 9 | 16 35 | 23 27 | 23 31 | 25 9 | | n.a. |
| T 21 | 5 4 | 19 0 | 4 29 | 7 23 | 3 4 | 9 47 | 1 43 | 25 30 | 2 2 | 22 5 | 1 33 | 21 9 | 1 37 | 21 13 | 0 46 | 2 52 | 2 8 | 35 9 | 16 35 | 23 26 | 23 30 | 25 9 | | n.a. |
| F 22 | 5 27 | 14 53 | 4 54 | 6 52 | 3 1 | 9 20 | 1 44 | 25 26 | 2 1 | 22 5 | 1 32 | 21 8 | 1 37 | 21 13 | 0 46 | 2 51 | 2 8 | 35 8 | 16 35 | 23 25 | 23 30 | 25 10 | | n.a. |
| S 23 | 5 50 | 10 1 | 5 3 | 6 19 | 2 58 | 8 53 | 1 44 | 25 23 | 1 59 | 22 4 | 1 32 | 21 7 | 1 37 | 21 13 | 0 46 | 2 51 | 2 8 | 35 8 | 16 34 | 23 25 | 23 30 | 25 10 | | n.a. |
| S 24 | 6 12 | 4 33 | 4 57 | 5 45 | 2 54 | 8 26 | 1 45 | 25 19 | 1 58 | 22 3 | 1 32 | 21 7 | 1 38 | 21 13 | 0 46 | 2 50 | 2 8 | 35 8 | 16 34 | 23 24 | 23 30 | 25 11 | | n.a. |
| M25 | 6 35 | 1n15 | 4 35 | 5 8 | 2 49 | 7 58 | 1 45 | 25 14 | 1 56 | 22 3 | 1 32 | 21 6 | 1 38 | 21 13 | 0 46 | 2 49 | 2 8 | 35 7 | 16 33 | 23 23 | 23 29 | 25 12 | | n.a. |
| T 26 | 6 57 | 7 7 | 3 55 | 4 29 | 2 44 | 7 30 | 1 45 | 25 10 | 1 55 | 22 2 | 1 32 | 21 5 | 1 38 | 21 13 | 0 46 | 2 49 | 2 8 | 35 7 | 16 33 | 23 22 | 23 29 | 25 12 | | n.a. |
| W27 | 7 19 | 12 44 | 3 1 | 3 49 | 2 38 | 7 2 | 1 45 | 25 6 | 1 54 | 22 1 | 1 31 | 21 4 | 1 38 | 21 13 | 0 46 | 2 48 | 2 8 | 35 6 | 16 32 | 23 21 | 23 29 | 25 13 | | n.a. |
| T 28 | 7 41 | 17 44 | 1 55 | 3 7 | 2 32 | 6 34 | 1 46 | 25 1 | 1 52 | 22 1 | 1 31 | 21 4 | 1 39 | 21 13 | 0 46 | 2 47 | 2 8 | 35 6 | 16 32 | 23 21 | 23 28 | 25 14 | | n.a. |
| F 29 | 8 3 | 21 44 | 0 41 | 2 24 | 2 24 | 6 6 | 1 46 | 24 57 | 1 51 | 22 0 | 1 31 | 21 3 | 1 39 | 21 13 | 0 46 | 2 47 | 2 8 | 35 6 | 16 31 | 23 21 | 23 28 | 25 14 | | n.a. |
| S 30 | 8n25 | 24n23 | 0n35 | 1s39 | 2s17 | 5s37 | 1s46 | 24n52 | 1n50 | 21n59 | 1n31 | 21s 2 | 1s39 | 21n13 | 0n46 | 2s46 | 2n 8 | 35n 5 | 16n31 | 23n21 | 23n28 | 25s15 | | n.a. |

Julian Day Number = 997587.5, Delta T = 12h55m03s
Ecliptic obliquity = 23°55'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'45, Lahiri = -31°16'45 Julian Calendar 1 Apr. 1982 BCE == Greg. Calendar 15 March 1982 BCE


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## MAY 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 26 35 | 22♈ 7'34 | 8♋35 | 2♈43 | 21♓16 | 15♋33 | 0♌17 | 4♒54 | 0♌26 | 11°R43 | 5°R53 | 17♊46 | 19♊ 3 | 5♑16 | n.a. | S 1 |
| M 2 | 13 30 32 | 23° 4'39 | 22°45 | 4°23 | 22°28 | 16° 2 | 0°20 | 4°58 | 0°26 | 11♎41 | 5♌53 | 17°R47 | 19° 0 | 5°23 | n.a. | M 2 |
| T 3 | 13 34 28 | 24° 1'44 | 6♌48 | 6° 6 | 23°39 | 16°32 | 0°23 | 5° 1 | 0°26 | 11°40 | 5°53 | 17°46 | 18°57 | 5°30 | n.a. | T 3 |
| W 4 | 13 38 25 | 24°58'48 | 20°45 | 7°51 | 24°51 | 17° 3 | 0°27 | 5° 4 | 0°27 | 11°38 | 5°D53 | 17°43 | 18°54 | 5°36 | n.a. | W 4 |
| T 5 | 13 42 21 | 25°55'51 | 4♍33 | 9°39 | 26° 2 | 17°33 | 0°31 | 5° 7 | 0°27 | 11°36 | 5°53 | 17°39 | 18°51 | 5°43 | n.a. | T 5 |
| F 6 | 13 46 18 | 26°52'54 | 18°11 | 11°30 | 27°14 | 18° 4 | 0°34 | 5°10 | 0°28 | 11°35 | 5°53 | 17°32 | 18°48 | 5°50 | n.a. | F 6 |
| S 7 | 13 50 15 | 27°49'56 | 1♎37 | 13°24 | 28°25 | 18°34 | 0°38 | 5°13 | 0°28 | 11°33 | 5°53 | 17°24 | 18°44 | 5°56 | n.a. | S 7 |
| S 8 | 13 54 11 | 28°46'58 | 14°50 | 15°19 | 29°37 | 19° 5 | 0°43 | 5°16 | 0°29 | 11°32 | 5°53 | 17°16 | 18°41 | 6° 3 | n.a. | S 8 |
| M 9 | 13 58 8 | 29°44'00 | 27°49 | 17°18 | 0♈49 | 19°37 | 0°47 | 5°19 | 0°30 | 11°30 | 5°53 | 17° 8 | 18°38 | 6°10 | n.a. | M 9 |
| T 10 | 14 2 4 | 0♉41'01 | 10♏32 | 19°18 | 2° 1 | 20° 8 | 0°51 | 5°21 | 0°31 | 11°29 | 5°54 | 17° 2 | 18°35 | 6°16 | n.a. | T 10 |
| W11 | 14 6 1 | 1°38'02 | 22°59 | 21°20 | 3°12 | 20°39 | 0°56 | 5°24 | 0°31 | 11°27 | 5°54 | 16°57 | 18°32 | 6°23 | n.a. | W11 |
| T 12 | 14 9 57 | 2°35'03 | 5♐13 | 23°25 | 4°24 | 21°11 | 1° 1 | 5°26 | 0°32 | 11°26 | 5°54 | 16°55 | 18°28 | 6°30 | n.a. | T 12 |
| F 13 | 14 13 54 | 3°32'05 | 17°15 | 25°31 | 5°36 | 21°43 | 1° 6 | 5°29 | 0°33 | 11°24 | 5°54 | 16°D54 | 18°25 | 6°36 | n.a. | F 13 |
| S 14 | 14 17 50 | 4°29'06 | 29° 8 | 27°38 | 6°48 | 22°15 | 1°11 | 5°31 | 0°34 | 11°23 | 5°55 | 16°55 | 18°22 | 6°43 | n.a. | S 14 |
| S 15 | 14 21 47 | 5°26'08 | 10♑58 | 29°46 | 8° 0 | 22°47 | 1°16 | 5°33 | 0°35 | 11°21 | 5°55 | 16°56 | 18°19 | 6°49 | n.a. | S 15 |
| M16 | 14 25 44 | 6°23'10 | 22°47 | 1♉56 | 9°12 | 23°20 | 1°21 | 5°35 | 0°36 | 11°20 | 5°55 | 16°58 | 18°16 | 6°56 | n.a. | M16 |
| T 17 | 14 29 40 | 7°20'12 | 4♒41 | 4° 6 | 10°24 | 23°52 | 1°27 | 5°37 | 0°37 | 11°18 | 5°56 | 16°R58 | 18°13 | 7° 3 | n.a. | T 17 |
| W18 | 14 33 37 | 8°17'14 | 16°46 | 6°16 | 11°36 | 24°25 | 1°33 | 5°39 | 0°38 | 11°17 | 5°56 | 16°58 | 18° 9 | 7° 9 | n.a. | W18 |
| T 19 | 14 37 33 | 9°14'17 | 29° 6 | 8°26 | 12°48 | 24°58 | 1°38 | 5°41 | 0°40 | 11°16 | 5°57 | 16°56 | 18° 6 | 7°16 | n.a. | T 19 |
| F 20 | 14 41 30 | 10°11'20 | 11♓45 | 10°36 | 14° 0 | 25°31 | 1°44 | 5°42 | 0°41 | 11°14 | 5°57 | 16°53 | 18° 3 | 7°23 | n.a. | F 20 |
| S 21 | 14 45 26 | 11° 8'24 | 24°46 | 12°46 | 15°12 | 26° 4 | 1°51 | 5°44 | 0°42 | 11°13 | 5°58 | 16°48 | 18° 0 | 7°29 | n.a. | S 21 |
| S 22 | 14 49 23 | 12° 5'28 | 8♈11 | 14°54 | 16°24 | 26°37 | 1°57 | 5°46 | 0°44 | 11°12 | 5°58 | 16°43 | 17°57 | 7°36 | n.a. | S 22 |
| M23 | 14 53 20 | 13° 2'32 | 22° 0 | 17° 2 | 17°37 | 27°11 | 2° 3 | 5°47 | 0°45 | 11°10 | 5°59 | 16°38 | 17°54 | 7°43 | n.a. | M23 |
| T 24 | 14 57 16 | 13°59'37 | 6♉11 | 19° 9 | 18°49 | 27°45 | 2°10 | 5°48 | 0°46 | 11° 9 | 6° 0 | 16°33 | 17°50 | 7°49 | n.a. | T 24 |
| W25 | 15 1 13 | 14°56'43 | 20°38 | 21°15 | 20° 1 | 28°18 | 2°16 | 5°49 | 0°48 | 11° 8 | 6° 0 | 16°30 | 17°47 | 7°56 | n.a. | W25 |
| T 26 | 15 5 9 | 15°53'48 | 5♊15 | 23°19 | 21°14 | 28°52 | 2°23 | 5°50 | 0°50 | 11° 6 | 6° 1 | 16°28 | 17°44 | 8° 3 | n.a. | T 26 |
| F 27 | 15 9 6 | 16°50'54 | 19°57 | 25°21 | 22°26 | 29°27 | 2°30 | 5°51 | 0°51 | 11° 5 | 6° 2 | 16°D28 | 17°41 | 8° 9 | n.a. | F 27 |
| S 28 | 15 13 2 | 17°48'01 | 4♋37 | 27°22 | 23°39 | 0♌ 1 | 2°37 | 5°52 | 0°53 | 11° 4 | 6° 2 | 16°29 | 17°38 | 8°16 | n.a. | S 28 |
| S 29 | 15 16 59 | 18°45'07 | 19° 9 | 29°22 | 24°51 | 0°35 | 2°44 | 5°53 | 0°55 | 11° 3 | 6° 3 | 16°30 | 17°34 | 8°23 | n.a. | S 29 |
| M30 | 15 20 56 | 19°42'14 | 3♌29 | 1♊19 | 26° 4 | 1°10 | 2°52 | 5°54 | 0°56 | 11° 2 | 6° 4 | 16°31 | 17°31 | 8°29 | n.a. | M30 |
| T 31 | 15 24 52 | 20♉39'21 | 17♌36 | 3♊15 | 27♈16 | 1♌45 | 2♌59 | 5♒54 | 0♌58 | 11♎ 0 | 6♌ 5 | 16°R32 | 17♊28 | 8♑36 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 8n47 | 25n27 | 1n49 | 0s52 | 2s 9 | 5s 8 | 1s45 | 24n47 | 1n48 | 21n58 | 1n30 | 21s 2 | 1s39 | 21n12 | 0n46 | 2s46 | 2n 8 | 35n 5 | 16n30 | 23n21 | 23n28 | 25s15 | | | n.a. |
| M 2 | 9 9 | 24 51 | 2 56 | 0 3 | 2 0 | 4 39 | 1 45 | 24 42 | 1 47 | 21 57 | 1 30 | 21 1 | 1 40 | 21 12 | 0 46 | 2 45 | 2 8 | 35 4 | 16 30 | 23 21 | 23 27 | 25 16 | | | n.a. |
| T 3 | 9 30 | 22 41 | 3 52 | 0n46 | 1 51 | 4 10 | 1 45 | 24 37 | 1 45 | 21 56 | 1 30 | 21 0 | 1 40 | 21 12 | 0 46 | 2 44 | 2 8 | 35 4 | 16 29 | 23 21 | 23 27 | 25 16 | | | n.a. |
| W 4 | 9 52 | 19 11 | 4 34 | 1 38 | 1 42 | 3 41 | 1 45 | 24 32 | 1 44 | 21 55 | 1 30 | 21 0 | 1 40 | 21 12 | 0 45 | 2 44 | 2 8 | 35 3 | 16 29 | 23 21 | 23 27 | 25 17 | | | n.a. |
| T 5 | 10 13 | 14 39 | 4 59 | 2 30 | 1 32 | 3 12 | 1 44 | 24 27 | 1 43 | 21 54 | 1 30 | 20 59 | 1 40 | 21 12 | 0 45 | 2 43 | 2 8 | 35 3 | 16 28 | 23 20 | 23 27 | 25 18 | | | n.a. |
| F 6 | 10 34 | 9 27 | 5 7 | 3 23 | 1 22 | 2 42 | 1 44 | 24 21 | 1 41 | 21 53 | 1 29 | 20 59 | 1 40 | 21 12 | 0 45 | 2 43 | 2 8 | 35 2 | 16 28 | 23 20 | 23 26 | 25 18 | | | n.a. |
| S 7 | 10 55 | 3 52 | 4 58 | 4 18 | 1 11 | 2 13 | 1 43 | 24 15 | 1 40 | 21 52 | 1 29 | 20 58 | 1 41 | 21 12 | 0 45 | 2 42 | 2 8 | 35 2 | 16 27 | 23 19 | 23 26 | 25 19 | | | n.a. |
| S 8 | 11 16 | 1s47 | 4 32 | 5 14 | 1 0 | 1 43 | 1 43 | 24 10 | 1 39 | 21 51 | 1 29 | 20 58 | 1 41 | 21 11 | 0 45 | 2 41 | 2 8 | 35 1 | 16 27 | 23 18 | 23 26 | 25 19 | | | n.a. |
| M 9 | 11 36 | 7 17 | 3 54 | 6 10 | 0 50 | 1 13 | 1 42 | 24 4 | 1 38 | 21 50 | 1 29 | 20 57 | 1 41 | 21 11 | 0 45 | 2 41 | 2 8 | 35 1 | 16 26 | 23 17 | 23 26 | 25 20 | | | n.a. |
| T 10 | 11 57 | 12 22 | 3 4 | 7 7 | 0 39 | 0 44 | 1 41 | 23 58 | 1 36 | 21 49 | 1 28 | 20 57 | 1 41 | 21 11 | 0 45 | 2 40 | 2 8 | 35 0 | 16 26 | 23 17 | 23 25 | 25 20 | | | n.a. |
| W11 | 12 17 | 16 52 | 2 6 | 8 4 | 0 27 | 0 14 | 1 40 | 23 52 | 1 35 | 21 47 | 1 28 | 20 57 | 1 42 | 21 11 | 0 45 | 2 40 | 2 8 | 35 0 | 16 25 | 23 16 | 23 25 | 25 21 | | | n.a. |
| T 12 | 12 37 | 20 34 | 1 3 | 9 1 | 0 16 | 0n16 | 1 39 | 23 45 | 1 34 | 21 46 | 1 28 | 20 56 | 1 42 | 21 11 | 0 45 | 2 39 | 2 8 | 34 59 | 16 25 | 23 16 | 23 25 | 25 21 | | | n.a. |
| F 13 | 12 57 | 23 20 | 0s 2 | 9 58 | 0 5 | 0 46 | 1 38 | 23 39 | 1 32 | 21 45 | 1 28 | 20 56 | 1 42 | 21 10 | 0 45 | 2 39 | 2 8 | 34 59 | 16 25 | 23 16 | 23 24 | 25 22 | | | n.a. |
| S 14 | 13 16 | 25 1 | 1 6 | 10 55 | 0n 5 | 1 16 | 1 37 | 23 32 | 1 31 | 21 43 | 1 28 | 20 56 | 1 42 | 21 10 | 0 45 | 2 38 | 2 8 | 34 58 | 16 24 | 23 16 | 23 24 | 25 22 | | | n.a. |
| S 15 | 13 36 | 25 34 | 2 7 | 11 52 | 0 16 | 1 46 | 1 36 | 23 26 | 1 30 | 21 42 | 1 27 | 20 55 | 1 43 | 21 10 | 0 45 | 2 37 | 2 8 | 34 58 | 16 24 | 23 16 | 23 24 | 25 23 | | | n.a. |
| M16 | 13 55 | 24 57 | 3 3 | 12 48 | 0 26 | 2 16 | 1 35 | 23 19 | 1 29 | 21 40 | 1 27 | 20 55 | 1 43 | 21 10 | 0 45 | 2 37 | 2 8 | 34 57 | 16 23 | 23 16 | 23 24 | 25 23 | | | n.a. |
| T 17 | 14 14 | 23 12 | 3 51 | 13 42 | 0 36 | 2 46 | 1 34 | 23 12 | 1 27 | 21 39 | 1 27 | 20 55 | 1 43 | 21 9 | 0 45 | 2 36 | 2 8 | 34 57 | 16 23 | 23 16 | 23 23 | 25 24 | | | n.a. |
| W18 | 14 33 | 20 24 | 4 30 | 14 36 | 0 46 | 3 16 | 1 33 | 23 5 | 1 26 | 21 38 | 1 27 | 20 54 | 1 43 | 21 9 | 0 45 | 2 36 | 2 8 | 34 56 | 16 22 | 23 16 | 23 23 | 25 24 | | | n.a. |
| T 19 | 14 52 | 16 38 | 4 57 | 15 28 | 0 55 | 3 46 | 1 31 | 22 58 | 1 25 | 21 36 | 1 27 | 20 54 | 1 44 | 21 9 | 0 45 | 2 35 | 2 8 | 34 55 | 16 22 | 23 16 | 23 23 | 25 25 | | | n.a. |
| F 20 | 15 10 | 12 3 | 5 10 | 16 18 | 1 4 | 4 15 | 1 30 | 22 50 | 1 24 | 21 34 | 1 26 | 20 54 | 1 44 | 21 8 | 0 45 | 2 35 | 2 8 | 34 55 | 16 21 | 23 16 | 23 22 | 25 25 | | | n.a. |
| S 21 | 15 28 | 6 49 | 5 9 | 17 7 | 1 12 | 4 45 | 1 28 | 22 43 | 1 23 | 21 33 | 1 26 | 20 54 | 1 44 | 21 8 | 0 45 | 2 34 | 2 8 | 34 54 | 16 21 | 23 15 | 23 22 | 25 25 | | | n.a. |
| S 22 | 15 46 | 1 7 | 4 50 | 17 53 | 1 19 | 5 15 | 1 27 | 22 35 | 1 21 | 21 31 | 1 26 | 20 54 | 1 45 | 21 8 | 0 45 | 2 34 | 2 8 | 34 54 | 16 20 | 23 15 | 23 22 | 25 26 | | | n.a. |
| M23 | 16 4 | 4n49 | 4 15 | 18 38 | 1 26 | 5 44 | 1 25 | 22 27 | 1 20 | 21 30 | 1 26 | 20 54 | 1 45 | 21 7 | 0 45 | 2 33 | 2 8 | 34 53 | 16 20 | 23 14 | 23 22 | 25 26 | | | n.a. |
| T 24 | 16 22 | 10 40 | 3 23 | 19 20 | 1 32 | 6 14 | 1 24 | 22 19 | 1 19 | 21 28 | 1 25 | 20 54 | 1 45 | 21 7 | 0 45 | 2 33 | 2 8 | 34 52 | 16 19 | 23 14 | 23 21 | 25 27 | | | n.a. |
| W25 | 16 39 | 16 4 | 2 17 | 20 0 | 1 37 | 6 43 | 1 22 | 22 11 | 1 18 | 21 26 | 1 25 | 20 54 | 1 45 | 21 7 | 0 45 | 2 32 | 2 8 | 34 52 | 16 19 | 23 13 | 23 21 | 25 27 | | | n.a. |
| T 26 | 16 56 | 20 36 | 1 1 | 20 37 | 1 42 | 7 13 | 1 20 | 22 3 | 1 17 | 21 24 | 1 25 | 20 54 | 1 46 | 21 6 | 0 45 | 2 32 | 2 8 | 34 51 | 16 18 | 23 13 | 23 21 | 25 28 | | | n.a. |
| F 27 | 17 12 | 23 51 | 0n19 | 21 12 | 1 46 | 7 42 | 1 18 | 21 54 | 1 15 | 21 22 | 1 25 | 20 54 | 1 46 | 21 6 | 0 45 | 2 31 | 2 7 | 34 50 | 16 18 | 23 13 | 23 20 | 25 28 | | | n.a. |
| S 28 | 17 29 | 25 28 | 1 38 | 21 45 | 1 50 | 8 11 | 1 17 | 21 46 | 1 14 | 21 21 | 1 25 | 20 54 | 1 46 | 21 5 | 0 45 | 2 31 | 2 7 | 34 50 | 16 17 | 23 13 | 23 20 | 25 28 | | | n.a. |
| S 29 | 17 45 | 25 20 | 2 50 | 22 15 | 1 52 | 8 39 | 1 15 | 21 37 | 1 13 | 21 19 | 1 25 | 20 54 | 1 46 | 21 5 | 0 45 | 2 31 | 2 7 | 34 49 | 16 17 | 23 13 | 23 20 | 25 29 | | | n.a. |
| M30 | 18 1 | 23 29 | 3 50 | 22 42 | 1 55 | 9 8 | 1 13 | 21 28 | 1 12 | 21 17 | 1 24 | 20 54 | 1 47 | 21 5 | 0 45 | 2 30 | 2 7 | 34 48 | 16 16 | 23 13 | 23 19 | 25 29 | | | n.a. |
| T 31 | 18n17 | 20n14 | 4n35 | 23n 8 | 1n56 | 9n37 | 1s11 | 21n19 | 1n11 | 21n15 | 1n24 | 20s54 | 1s47 | 21n 4 | 0n45 | 2s30 | 2n 7 | 34n48 | 16n16 | 23n14 | 23n19 | 25s30 | | | n.a. |

Julian Day Number = 997617.5, Delta T = 12h55m01s
Ecliptic obliquity = 23°55'23, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'41, Lahiri = -31°16'41 Julian Calendar 1 May 1982 BCE == Greg. Calendar 14 Apr. 1982 BCE


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## JUNE 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 28 49 | 21♉36'28 | 1♍27 | 5♊ 9 | 28♈29 | 2♌19 | 3♌ 7 | 5♒55 | 1♌ 0 | 10°R59 | 6♌ 6 | 16°R32 | 17♊25 | 8♉43 | n.a. | W 1 |
| T 2 | 15 32 45 | 22°33'35 | 15° 3 | 7° 2 | 29°41 | 2°54 | 3°14 | 5°55 | 1° 2 | 10♎58 | 6° 7 | 16♊30 | 17°22 | 8°49 | n.a. | T 2 |
| F 3 | 15 36 42 | 23°30'43 | 28°23 | 8°52 | 0♉54 | 3°29 | 3°22 | 5°55 | 1° 4 | 10°57 | 6° 8 | 16°28 | 17°19 | 8°56 | n.a. | F 3 |
| S 4 | 15 40 38 | 24°27'51 | 11♎28 | 10°41 | 2° 7 | 4° 5 | 3°30 | 5°55 | 1° 6 | 10°56 | 6° 9 | 16°25 | 17°15 | 9° 3 | n.a. | S 4 |
| S 5 | 15 44 35 | 25°24'59 | 24°19 | 12°28 | 3°19 | 4°40 | 3°38 | 5°R55 | 1° 8 | 10°55 | 6°10 | 16°22 | 17°12 | 9° 9 | n.a. | S 5 |
| M 6 | 15 48 31 | 26°22'09 | 6♏57 | 14°13 | 4°32 | 5°16 | 3°47 | 5°55 | 1°10 | 10°54 | 6°11 | 16°19 | 17° 9 | 9°16 | n.a. | M 6 |
| T 7 | 15 52 28 | 27°19'18 | 19°22 | 15°56 | 5°45 | 5°51 | 3°55 | 5°55 | 1°12 | 10°53 | 6°12 | 16°16 | 17° 6 | 9°23 | n.a. | T 7 |
| W 8 | 15 56 25 | 28°16'29 | 1♐35 | 17°37 | 6°58 | 6°27 | 4° 3 | 5°55 | 1°14 | 10°52 | 6°13 | 16°15 | 17° 3 | 9°29 | n.a. | W 8 |
| T 9 | 16 0 21 | 29°13'41 | 13°39 | 19°17 | 8°11 | 7° 3 | 4°12 | 5°54 | 1°16 | 10°51 | 6°14 | 16°D14 | 17° 0 | 9°36 | n.a. | T 9 |
| F 10 | 16 4 18 | 0♊10'53 | 25°35 | 20°55 | 9°23 | 7°39 | 4°20 | 5°54 | 1°19 | 10°50 | 6°15 | 16°14 | 16°56 | 9°43 | n.a. | F 10 |
| S 11 | 16 8 14 | 1° 8'07 | 7♑26 | 22°31 | 10°36 | 8°15 | 4°29 | 5°53 | 1°21 | 10°49 | 6°16 | 16°15 | 16°53 | 9°49 | n.a. | S 11 |
| S 12 | 16 12 11 | 2° 5'21 | 19°14 | 24° 5 | 11°49 | 8°51 | 4°38 | 5°53 | 1°23 | 10°48 | 6°18 | 16°16 | 16°50 | 9°56 | n.a. | S 12 |
| M13 | 16 16 7 | 3° 2'37 | 1♒ 3 | 25°37 | 13° 2 | 9°28 | 4°47 | 5°52 | 1°26 | 10°48 | 6°19 | 16°18 | 16°47 | 10° 2 | n.a. | M13 |
| T 14 | 16 20 4 | 3°59'54 | 12°58 | 27° 8 | 14°16 | 10° 4 | 4°56 | 5°51 | 1°28 | 10°47 | 6°20 | 16°19 | 16°44 | 10° 9 | n.a. | T 14 |
| W15 | 16 24 1 | 4°57'12 | 25° 2 | 28°37 | 15°29 | 10°41 | 5° 5 | 5°50 | 1°31 | 10°46 | 6°21 | 16°19 | 16°40 | 10°16 | n.a. | W15 |
| T 16 | 16 27 57 | 5°54'32 | 7♓20 | 0♋ 4 | 16°42 | 11°18 | 5°15 | 5°49 | 1°33 | 10°45 | 6°23 | 16°R20 | 16°37 | 10°22 | n.a. | T 16 |
| F 17 | 16 31 54 | 6°51'52 | 19°57 | 1°29 | 17°55 | 11°55 | 5°24 | 5°48 | 1°36 | 10°44 | 6°24 | 16°19 | 16°34 | 10°29 | n.a. | F 17 |
| S 18 | 16 35 50 | 7°49'15 | 2♈56 | 2°52 | 19° 8 | 12°32 | 5°33 | 5°46 | 1°38 | 10°44 | 6°25 | 16°19 | 16°31 | 10°36 | n.a. | S 18 |
| S 19 | 16 39 47 | 8°46'38 | 16°20 | 4°13 | 20°22 | 13° 9 | 5°43 | 5°45 | 1°41 | 10°43 | 6°27 | 16°18 | 16°28 | 10°42 | n.a. | S 19 |
| M20 | 16 43 43 | 9°44'03 | 0♉10 | 5°32 | 21°35 | 13°46 | 5°53 | 5°43 | 1°43 | 10°42 | 6°28 | 16°17 | 16°25 | 10°49 | n.a. | M20 |
| T 21 | 16 47 40 | 10°41'29 | 14°26 | 6°49 | 22°48 | 14°23 | 6° 2 | 5°42 | 1°46 | 10°42 | 6°30 | 16°16 | 16°21 | 10°56 | n.a. | T 21 |
| W22 | 16 51 36 | 11°38'57 | 29° 3 | 8° 4 | 24° 2 | 15° 1 | 6°12 | 5°40 | 1°49 | 10°41 | 6°31 | 16°16 | 16°18 | 11° 2 | n.a. | W22 |
| T 23 | 16 55 33 | 12°36'27 | 13♊57 | 9°17 | 25°15 | 15°38 | 6°22 | 5°38 | 1°52 | 10°41 | 6°33 | 16°D16 | 16°15 | 11° 9 | n.a. | T 23 |
| F 24 | 16 59 30 | 13°33'57 | 28°59 | 10°28 | 26°28 | 16°16 | 6°32 | 5°36 | 1°54 | 10°40 | 6°34 | 16°16 | 16°12 | 11°16 | n.a. | F 24 |
| S 25 | 17 3 26 | 14°31'29 | 14♋ 0 | 11°37 | 27°42 | 16°54 | 6°42 | 5°34 | 1°57 | 10°40 | 6°36 | 16°16 | 16° 9 | 11°22 | n.a. | S 25 |
| S 26 | 17 7 23 | 15°29'02 | 28°53 | 12°43 | 28°56 | 17°32 | 6°53 | 5°32 | 2° 0 | 10°39 | 6°37 | 16°16 | 16° 6 | 11°29 | n.a. | S 26 |
| M27 | 17 11 19 | 16°26'36 | 13♌31 | 13°46 | 0♊ 9 | 18°10 | 7° 3 | 5°30 | 2° 3 | 10°39 | 6°39 | 16°R16 | 16° 2 | 11°36 | n.a. | M27 |
| T 28 | 17 15 16 | 17°24'11 | 27°49 | 14°47 | 1°23 | 18°48 | 7°13 | 5°28 | 2° 6 | 10°38 | 6°41 | 16°16 | 15°59 | 11°42 | n.a. | T 28 |
| W29 | 17 19 12 | 18°21'48 | 11♍45 | 15°45 | 2°36 | 19°26 | 7°24 | 5°26 | 2° 9 | 10°38 | 6°42 | 16°D16 | 15°56 | 11°49 | n.a. | W29 |
| T 30 | 17 23 9 | 19♊19'25 | 25♍18 | 16♋41 | 3♊50 | 20♌ 5 | 7♌35 | 5♒23 | 2♌12 | 10♎38 | 6♌44 | 16♊16 | 15♊53 | 11♑56 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 18n32 | 15n53 | 5n 4 | 23n30 | 1n57 | 10n 5 | 1s 9 | 21n10 | 1n10 | 21n13 | 1n24 | 20s54 | 1s47 | 21n 4 | 0n44 | 2s29 | 2n 7 | 34n47 | 16n15 | 23n14 | 23n19 | 25s30 | | n.a. |
| T 2 | 18 47 | 10 49 | 5 14 | 23 51 | 1 57 | 10 33 | 1 7 | 21 1 | 1 8 | 21 11 | 1 24 | 20 54 | 1 47 | 21 3 | 0 44 | 2 29 | 2 7 | 34 46 | 16 15 | 23 13 | 23 19 | 25 30 | | n.a. |
| F 3 | 19 2 | 5 21 | 5 8 | 24 9 | 1 57 | 11 1 | 1 5 | 20 51 | 1 7 | 21 9 | 1 24 | 20 54 | 1 48 | 21 3 | 0 44 | 2 29 | 2 7 | 34 46 | 16 15 | 23 13 | 23 18 | 25 31 | | n.a. |
| S 4 | 19 16 | 0s16 | 4 45 | 24 24 | 1 56 | 11 28 | 1 2 | 20 42 | 1 6 | 21 7 | 1 23 | 20 55 | 1 48 | 21 2 | 0 44 | 2 28 | 2 7 | 34 45 | 16 14 | 23 13 | 23 18 | 25 31 | | n.a. |
| S 5 | 19 30 | 5 46 | 4 8 | 24 38 | 1 54 | 11 56 | 1 0 | 20 32 | 1 5 | 21 5 | 1 23 | 20 55 | 1 48 | 21 2 | 0 44 | 2 28 | 2 7 | 34 44 | 16 14 | 23 12 | 23 18 | 25 31 | | n.a. |
| M 6 | 19 44 | 10 58 | 3 20 | 24 49 | 1 52 | 12 23 | 0 58 | 20 22 | 1 4 | 21 3 | 1 23 | 20 55 | 1 48 | 21 1 | 0 44 | 2 27 | 2 7 | 34 43 | 16 13 | 23 12 | 23 17 | 25 32 | | n.a. |
| T 7 | 19 57 | 15 38 | 2 23 | 24 58 | 1 49 | 12 50 | 0 56 | 20 12 | 1 3 | 21 0 | 1 23 | 20 55 | 1 49 | 21 1 | 0 44 | 2 27 | 2 7 | 34 43 | 16 13 | 23 12 | 23 17 | 25 32 | | n.a. |
| W 8 | 20 11 | 19 35 | 1 20 | 25 5 | 1 46 | 13 16 | 0 54 | 20 2 | 1 2 | 20 58 | 1 23 | 20 56 | 1 49 | 21 0 | 0 44 | 2 27 | 2 7 | 34 42 | 16 12 | 23 12 | 23 17 | 25 32 | | n.a. |
| T 9 | 20 23 | 22 40 | 0 14 | 25 11 | 1 42 | 13 42 | 0 51 | 19 52 | 1 1 | 20 56 | 1 23 | 20 56 | 1 49 | 21 0 | 0 44 | 2 26 | 2 7 | 34 41 | 16 12 | 23 12 | 23 16 | 25 33 | | n.a. |
| F 10 | 20 36 | 24 42 | 0s52 | 25 14 | 1 38 | 14 8 | 0 49 | 19 41 | 0 59 | 20 54 | 1 22 | 20 56 | 1 49 | 20 59 | 0 44 | 2 26 | 2 7 | 34 40 | 16 11 | 23 12 | 23 16 | 25 33 | | n.a. |
| S 11 | 20 48 | 25 37 | 1 55 | 25 16 | 1 33 | 14 34 | 0 47 | 19 30 | 0 58 | 20 51 | 1 22 | 20 57 | 1 50 | 20 59 | 0 44 | 2 26 | 2 7 | 34 40 | 16 11 | 23 12 | 23 16 | 25 33 | | n.a. |
| S 12 | 21 0 | 25 22 | 2 53 | 25 15 | 1 28 | 14 59 | 0 44 | 19 20 | 0 57 | 20 49 | 1 22 | 20 57 | 1 50 | 20 58 | 0 44 | 2 26 | 2 7 | 34 39 | 16 11 | 23 12 | 23 15 | 25 34 | | n.a. |
| M13 | 21 11 | 23 57 | 3 44 | 25 13 | 1 23 | 15 24 | 0 42 | 19 9 | 0 56 | 20 47 | 1 22 | 20 58 | 1 50 | 20 58 | 0 44 | 2 25 | 2 7 | 34 38 | 16 10 | 23 12 | 23 15 | 25 34 | | n.a. |
| T 14 | 21 22 | 21 29 | 4 25 | 25 10 | 1 17 | 15 49 | 0 40 | 18 58 | 0 55 | 20 44 | 1 22 | 20 58 | 1 50 | 20 57 | 0 44 | 2 25 | 2 6 | 34 37 | 16 10 | 23 12 | 23 15 | 25 34 | | n.a. |
| W15 | 21 33 | 18 4 | 4 56 | 25 5 | 1 10 | 16 13 | 0 37 | 18 46 | 0 54 | 20 42 | 1 22 | 20 59 | 1 51 | 20 56 | 0 44 | 2 25 | 2 6 | 34 37 | 16 9 | 23 12 | 23 14 | 25 34 | | n.a. |
| T 16 | 21 44 | 13 49 | 5 13 | 24 59 | 1 3 | 16 37 | 0 35 | 18 35 | 0 53 | 20 39 | 1 21 | 20 59 | 1 51 | 20 56 | 0 44 | 2 24 | 2 6 | 34 36 | 16 9 | 23 12 | 23 14 | 25 35 | | n.a. |
| F 17 | 21 54 | 8 53 | 5 17 | 24 51 | 0 56 | 17 0 | 0 32 | 18 24 | 0 52 | 20 37 | 1 21 | 21 0 | 1 51 | 20 55 | 0 44 | 2 24 | 2 6 | 34 35 | 16 8 | 23 12 | 23 14 | 25 35 | | n.a. |
| S 18 | 22 3 | 3 27 | 5 4 | 24 42 | 0 48 | 17 23 | 0 30 | 18 12 | 0 51 | 20 34 | 1 21 | 21 0 | 1 51 | 20 55 | 0 44 | 2 24 | 2 6 | 34 34 | 16 8 | 23 12 | 23 13 | 25 35 | | n.a. |
| S 19 | 22 13 | 2n20 | 4 35 | 24 32 | 0 40 | 17 46 | 0 27 | 18 0 | 0 50 | 20 32 | 1 21 | 21 1 | 1 52 | 20 54 | 0 44 | 2 24 | 2 6 | 34 34 | 16 8 | 23 12 | 23 13 | 25 35 | | n.a. |
| M20 | 22 21 | 8 12 | 3 49 | 24 20 | 0 32 | 18 8 | 0 25 | 17 48 | 0 49 | 20 29 | 1 21 | 21 2 | 1 52 | 20 53 | 0 44 | 2 24 | 2 6 | 34 33 | 16 7 | 23 12 | 23 13 | 25 36 | | n.a. |
| T 21 | 22 30 | 13 49 | 2 48 | 24 8 | 0 23 | 18 29 | 0 22 | 17 36 | 0 48 | 20 27 | 1 21 | 21 2 | 1 52 | 20 53 | 0 44 | 2 23 | 2 6 | 34 32 | 16 7 | 23 12 | 23 12 | 25 36 | | n.a. |
| W22 | 22 38 | 18 49 | 1 34 | 23 55 | 0 14 | 18 50 | 0 20 | 17 24 | 0 47 | 20 24 | 1 21 | 21 3 | 1 52 | 20 52 | 0 44 | 2 23 | 2 6 | 34 31 | 16 7 | 23 12 | 23 12 | 25 36 | | n.a. |
| T 23 | 22 46 | 22 43 | 0 13 | 23 40 | 0 5 | 19 11 | 0 17 | 17 12 | 0 46 | 20 21 | 1 20 | 21 4 | 1 53 | 20 51 | 0 44 | 2 23 | 2 6 | 34 31 | 16 6 | 23 12 | 23 12 | 25 36 | | n.a. |
| F 24 | 22 53 | 25 5 | 1n10 | 23 26 | 0s 4 | 19 31 | 0 15 | 16 59 | 0 45 | 20 18 | 1 20 | 21 4 | 1 53 | 20 51 | 0 44 | 2 23 | 2 6 | 34 30 | 16 6 | 23 12 | 23 11 | 25 37 | | n.a. |
| S 25 | 23 0 | 25 37 | 2 28 | 23 10 | 0 14 | 19 51 | 0 12 | 16 47 | 0 43 | 20 16 | 1 20 | 21 5 | 1 53 | 20 50 | 0 44 | 2 23 | 2 6 | 34 29 | 16 5 | 23 12 | 23 11 | 25 37 | | n.a. |
| S 26 | 23 7 | 24 18 | 3 35 | 22 54 | 0 25 | 20 10 | 0 10 | 16 34 | 0 42 | 20 13 | 1 20 | 21 6 | 1 53 | 20 49 | 0 44 | 2 23 | 2 6 | 34 28 | 16 5 | 23 12 | 23 11 | 25 37 | | n.a. |
| M27 | 23 13 | 21 21 | 4 27 | 22 37 | 0 35 | 20 29 | 0 7 | 16 21 | 0 41 | 20 10 | 1 20 | 21 7 | 1 54 | 20 49 | 0 44 | 2 23 | 2 6 | 34 27 | 16 5 | 23 12 | 23 10 | 25 37 | | n.a. |
| T 28 | 23 19 | 17 10 | 5 1 | 22 20 | 0 46 | 20 47 | 0 5 | 16 8 | 0 40 | 20 7 | 1 20 | 21 7 | 1 54 | 20 48 | 0 44 | 2 22 | 2 6 | 34 27 | 16 4 | 23 12 | 23 10 | 25 37 | | n.a. |
| W29 | 23 24 | 12 9 | 5 17 | 22 2 | 0 56 | 21 4 | 0 2 | 15 55 | 0 39 | 20 4 | 1 20 | 21 8 | 1 54 | 20 47 | 0 44 | 2 22 | 2 6 | 34 26 | 16 4 | 23 12 | 23 10 | 25 38 | | n.a. |
| T 30 | 23n29 | 6n41 | 5n14 | 21n45 | 1s 7 | 21n21 | 0n 0 | 15n41 | 0n38 | 20n 2 | 1n19 | 21s 9 | 1s54 | 20n47 | 0n44 | 2s22 | 2n 5 | 34n25 | 16n 4 | 23n12 | 23n 9 | 25s38 | | n.a. |

Julian Day Number = 997648.5, Delta T = 12h54m59s
Ecliptic obliquity = 23°55'22, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'37, Lahiri = -31°16'37 Julian Calendar 1 June 1982 BCE == Greg. Calendar 15 May 1982 BCE


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## JULY 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 27 6 | 20♊17'04 | 8♎29 | 17♋33 | 5♊ 4 | 20♌43 | 7♌45 | 5°R21 | 2♌15 | 10°R37 | 6♌46 | 16♊16 | 15♊50 | 12♑ 2 | n.a. | F 1 |
| S 2 | 17 31 2 | 21°14'43 | 21°21 | 18°22 | 6°18 | 21°22 | 7°56 | 5♒18 | 2°18 | 10♎37 | 6°47 | 16°17 | 15°46 | 12° 9 | n.a. | S 2 |
| S 3 | 17 34 59 | 22°12'24 | 3♏57 | 19° 8 | 7°31 | 22° 0 | 8° 7 | 5°15 | 2°21 | 10°37 | 6°49 | 16°17 | 15°43 | 12°16 | n.a. | S 3 |
| M 4 | 17 38 55 | 23°10'07 | 16°18 | 19°51 | 8°45 | 22°39 | 8°18 | 5°12 | 2°24 | 10°37 | 6°51 | 16°18 | 15°40 | 12°22 | n.a. | M 4 |
| T 5 | 17 42 52 | 24° 7'51 | 28°28 | 20°29 | 9°59 | 23°18 | 8°29 | 5°10 | 2°28 | 10°36 | 6°53 | 16°19 | 15°37 | 12°29 | n.a. | T 5 |
| W 6 | 17 46 48 | 25° 5'37 | 10♐29 | 21° 4 | 11°13 | 23°57 | 8°40 | 5° 7 | 2°31 | 10°36 | 6°54 | 16°R19 | 15°34 | 12°36 | n.a. | W 6 |
| T 7 | 17 50 45 | 26° 3'24 | 22°24 | 21°34 | 12°27 | 24°36 | 8°51 | 5° 4 | 2°34 | 10°36 | 6°56 | 16°19 | 15°31 | 12°42 | n.a. | T 7 |
| F 8 | 17 54 41 | 27° 1'12 | 4♑15 | 22° 1 | 13°41 | 25°15 | 9° 2 | 5° 0 | 2°37 | 10°36 | 6°58 | 16°18 | 15°27 | 12°49 | n.a. | F 8 |
| S 9 | 17 58 38 | 27°59'03 | 16° 4 | 22°22 | 14°55 | 25°54 | 9°13 | 4°57 | 2°40 | 10°36 | 7° 0 | 16°17 | 15°24 | 12°56 | n.a. | S 9 |
| S 10 | 18 2 35 | 28°56'55 | 27°53 | 22°39 | 16° 9 | 26°34 | 9°24 | 4°54 | 2°44 | 10°D36 | 7° 2 | 16°16 | 15°21 | 13° 2 | n.a. | S 10 |
| M11 | 18 6 31 | 29°54'49 | 9♒45 | 22°50 | 17°23 | 27°13 | 9°36 | 4°51 | 2°47 | 10°36 | 7° 4 | 16°14 | 15°18 | 13° 9 | n.a. | M11 |
| T 12 | 18 10 28 | 0♋52'45 | 21°42 | 22°56 | 18°37 | 27°53 | 9°47 | 4°47 | 2°50 | 10°36 | 7° 6 | 16°12 | 15°15 | 13°16 | n.a. | T 12 |
| W13 | 18 14 24 | 1°50'43 | 3♓48 | 22°R57 | 19°51 | 28°33 | 9°59 | 4°44 | 2°54 | 10°36 | 7° 8 | 16°10 | 15°11 | 13°22 | n.a. | W13 |
| T 14 | 18 18 21 | 2°48'43 | 16° 6 | 22°51 | 21° 5 | 29°12 | 10°10 | 4°40 | 2°57 | 10°36 | 7°10 | 16° 8 | 15° 8 | 13°29 | n.a. | T 14 |
| F 15 | 18 22 17 | 3°46'45 | 28°40 | 22°40 | 22°20 | 29°52 | 10°22 | 4°36 | 3° 1 | 10°36 | 7°12 | 16°D 7 | 15° 5 | 13°36 | n.a. | F 15 |
| S 16 | 18 26 14 | 4°44'49 | 11♈34 | 22°23 | 23°34 | 0♍32 | 10°34 | 4°33 | 3° 4 | 10°36 | 7°14 | 16° 8 | 15° 2 | 13°42 | n.a. | S 16 |
| S 17 | 18 30 10 | 5°42'56 | 24°51 | 21°59 | 24°48 | 1°12 | 10°46 | 4°29 | 3° 8 | 10°37 | 7°16 | 16° 8 | 14°59 | 13°49 | n.a. | S 17 |
| M18 | 18 34 7 | 6°41'04 | 8♉33 | 21°30 | 26° 3 | 1°52 | 10°57 | 4°25 | 3°11 | 10°37 | 7°18 | 16°10 | 14°56 | 13°56 | n.a. | M18 |
| T 19 | 18 38 4 | 7°39'15 | 22°42 | 20°54 | 27°17 | 2°33 | 11° 9 | 4°21 | 3°15 | 10°37 | 7°20 | 16°11 | 14°52 | 14° 2 | n.a. | T 19 |
| W20 | 18 42 0 | 8°37'28 | 7♊16 | 20°13 | 28°31 | 3°13 | 11°21 | 4°17 | 3°18 | 10°37 | 7°22 | 16°12 | 14°49 | 14° 9 | n.a. | W20 |
| T 21 | 18 45 57 | 9°35'43 | 22°11 | 19°27 | 29°46 | 3°53 | 11°33 | 4°13 | 3°22 | 10°38 | 7°24 | 16°R12 | 14°46 | 14°16 | n.a. | T 21 |
| F 22 | 18 49 53 | 10°34'00 | 7♋20 | 18°36 | 1♋ 0 | 4°34 | 11°45 | 4° 9 | 3°25 | 10°38 | 7°26 | 16°11 | 14°43 | 14°22 | n.a. | F 22 |
| S 23 | 18 53 50 | 11°32'19 | 22°34 | 17°41 | 2°15 | 5°15 | 11°57 | 4° 5 | 3°29 | 10°39 | 7°28 | 16° 9 | 14°40 | 14°29 | n.a. | S 23 |
| S 24 | 18 57 46 | 12°30'41 | 7♌43 | 16°44 | 3°29 | 5°55 | 12°10 | 4° 1 | 3°32 | 10°39 | 7°30 | 16° 5 | 14°37 | 14°36 | n.a. | S 24 |
| M25 | 19 1 43 | 13°29'03 | 22°37 | 15°45 | 4°44 | 6°36 | 12°22 | 3°56 | 3°36 | 10°39 | 7°32 | 16° 2 | 14°33 | 14°42 | n.a. | M25 |
| T 26 | 19 5 39 | 14°27'28 | 7♍ 9 | 14°45 | 5°58 | 7°17 | 12°34 | 3°52 | 3°40 | 10°40 | 7°34 | 15°58 | 14°30 | 14°49 | n.a. | T 26 |
| W27 | 19 9 36 | 15°25'54 | 21°15 | 13°46 | 7°13 | 7°58 | 12°46 | 3°48 | 3°43 | 10°40 | 7°37 | 15°55 | 14°27 | 14°56 | n.a. | W27 |
| T 28 | 19 13 33 | 16°24'22 | 4♎53 | 12°49 | 8°28 | 8°39 | 12°59 | 3°43 | 3°47 | 10°41 | 7°39 | 15°53 | 14°24 | 15° 2 | n.a. | T 28 |
| F 29 | 19 17 29 | 17°22'52 | 18° 5 | 11°56 | 9°42 | 9°20 | 13°11 | 3°39 | 3°51 | 10°42 | 7°41 | 15°D53 | 14°21 | 15° 9 | n.a. | F 29 |
| S 30 | 19 21 26 | 18°21'24 | 0♏52 | 11° 8 | 10°57 | 10° 2 | 13°23 | 3°34 | 3°54 | 10°42 | 7°43 | 15°53 | 14°17 | 15°16 | n.a. | S 30 |
| S 31 | 19 25 22 | 19♋19'58 | 13♏20 | 10♋25 | 12♋12 | 10♍43 | 13♌36 | 3♒30 | 3♌58 | 10♎43 | 7♌45 | 15♊55 | 14♊14 | 15♑22 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n33 | 1n 4 | 4n54 | 21n27 | 1s19 | 21n37 | 0n 3 | 15n28 | 0n37 | 19n59 | 1n19 | 21s10 | 1s55 | 20n46 | 0n44 | 2s22 | 2n 5 | 34n24 | 16n 3 | 23n12 | 23n 9 | 25s38 | | n.a. |
| S 2 | 23 38 | 4s29 | 4 20 | 21 9 | 1 30 | 21 53 | 0 5 | 15 14 | 0 36 | 19 56 | 1 19 | 21 11 | 1 55 | 20 45 | 0 44 | 2 22 | 2 5 | 34 23 | 16 3 | 23 12 | 23 9 | 25 38 | | n.a. |
| S 3 | 23 41 | 9 44 | 3 34 | 20 51 | 1 41 | 22 8 | 0 8 | 15 1 | 0 35 | 19 53 | 1 19 | 21 12 | 1 55 | 20 44 | 0 44 | 2 22 | 2 5 | 34 23 | 16 3 | 23 12 | 23 8 | 25 38 | | n.a. |
| M 4 | 23 45 | 14 31 | 2 39 | 20 34 | 1 53 | 22 23 | 0 10 | 14 47 | 0 34 | 19 50 | 1 19 | 21 13 | 1 55 | 20 44 | 0 44 | 2 22 | 2 5 | 34 22 | 16 2 | 23 12 | 23 8 | 25 38 | | n.a. |
| T 5 | 23 47 | 18 38 | 1 37 | 20 16 | 2 5 | 22 36 | 0 13 | 14 33 | 0 33 | 19 47 | 1 19 | 21 14 | 1 56 | 20 43 | 0 44 | 2 22 | 2 5 | 34 21 | 16 2 | 23 12 | 23 8 | 25 39 | | n.a. |
| W 6 | 23 50 | 21 56 | 0 32 | 20 0 | 2 16 | 22 50 | 0 15 | 14 19 | 0 32 | 19 44 | 1 19 | 21 14 | 1 56 | 20 42 | 0 44 | 2 22 | 2 5 | 34 20 | 16 2 | 23 12 | 23 7 | 25 39 | | n.a. |
| T 7 | 23 52 | 24 16 | 0s34 | 19 43 | 2 28 | 23 2 | 0 18 | 14 5 | 0 31 | 19 40 | 1 19 | 21 15 | 1 56 | 20 41 | 0 44 | 2 22 | 2 5 | 34 19 | 16 1 | 23 12 | 23 7 | 25 39 | | n.a. |
| F 8 | 23 53 | 25 29 | 1 38 | 19 28 | 2 39 | 23 14 | 0 20 | 13 50 | 0 30 | 19 37 | 1 19 | 21 16 | 1 56 | 20 41 | 0 43 | 2 22 | 2 5 | 34 19 | 16 1 | 23 12 | 23 7 | 25 39 | | n.a. |
| S 9 | 23 54 | 25 32 | 2 38 | 19 13 | 2 51 | 23 25 | 0 22 | 13 36 | 0 29 | 19 34 | 1 18 | 21 17 | 1 56 | 20 40 | 0 43 | 2 22 | 2 5 | 34 18 | 16 1 | 23 12 | 23 6 | 25 39 | | n.a. |
| S 10 | 23 55 | 24 26 | 3 30 | 18 59 | 3 2 | 23 36 | 0 25 | 13 21 | 0 28 | 19 31 | 1 18 | 21 18 | 1 57 | 20 39 | 0 43 | 2 22 | 2 5 | 34 17 | 16 1 | 23 12 | 23 6 | 25 39 | | n.a. |
| M11 | 23 55 | 22 15 | 4 14 | 18 47 | 3 13 | 23 45 | 0 27 | 13 7 | 0 27 | 19 28 | 1 18 | 21 20 | 1 57 | 20 38 | 0 43 | 2 22 | 2 5 | 34 16 | 16 0 | 23 12 | 23 6 | 25 39 | | n.a. |
| T 12 | 23 55 | 19 5 | 4 48 | 18 36 | 3 23 | 23 55 | 0 29 | 12 52 | 0 26 | 19 24 | 1 18 | 21 21 | 1 57 | 20 37 | 0 43 | 2 22 | 2 5 | 34 15 | 16 0 | 23 11 | 23 5 | 25 39 | | n.a. |
| W13 | 23 55 | 15 5 | 5 9 | 18 26 | 3 33 | 24 3 | 0 31 | 12 37 | 0 25 | 19 21 | 1 18 | 21 22 | 1 57 | 20 37 | 0 43 | 2 23 | 2 5 | 34 15 | 16 0 | 23 11 | 23 5 | 25 39 | | n.a. |
| T 14 | 23 53 | 10 25 | 5 16 | 18 17 | 3 42 | 24 11 | 0 34 | 12 22 | 0 25 | 19 18 | 1 18 | 21 23 | 1 57 | 20 36 | 0 43 | 2 23 | 2 4 | 34 14 | 16 0 | 23 11 | 23 5 | 25 40 | | n.a. |
| F 15 | 23 52 | 5 14 | 5 8 | 18 11 | 3 51 | 24 18 | 0 36 | 12 7 | 0 24 | 19 15 | 1 18 | 21 24 | 1 58 | 20 35 | 0 43 | 2 23 | 2 4 | 34 13 | 15 59 | 23 11 | 23 4 | 25 40 | | n.a. |
| S 16 | 23 50 | 0n18 | 4 45 | 18 6 | 3 59 | 24 24 | 0 38 | 11 51 | 0 23 | 19 11 | 1 18 | 21 25 | 1 58 | 20 34 | 0 43 | 2 23 | 2 4 | 34 12 | 15 59 | 23 11 | 23 4 | 25 40 | | n.a. |
| S 17 | 23 48 | 6 0 | 4 7 | 18 3 | 4 6 | 24 29 | 0 40 | 11 36 | 0 22 | 19 8 | 1 18 | 21 26 | 1 58 | 20 33 | 0 43 | 2 23 | 2 4 | 34 11 | 15 59 | 23 11 | 23 3 | 25 40 | | n.a. |
| M18 | 23 45 | 11 36 | 3 13 | 18 2 | 4 11 | 24 34 | 0 42 | 11 21 | 0 21 | 19 4 | 1 18 | 21 27 | 1 58 | 20 32 | 0 43 | 2 23 | 2 4 | 34 11 | 15 59 | 23 11 | 23 3 | 25 40 | | n.a. |
| T 19 | 23 42 | 16 47 | 2 6 | 18 3 | 4 15 | 24 38 | 0 44 | 11 5 | 0 20 | 19 1 | 1 18 | 21 28 | 1 58 | 20 32 | 0 43 | 2 23 | 2 4 | 34 10 | 15 58 | 23 11 | 23 3 | 25 40 | | n.a. |
| W20 | 23 38 | 21 9 | 0 49 | 18 7 | 4 18 | 24 41 | 0 46 | 10 49 | 0 19 | 18 58 | 1 17 | 21 29 | 1 58 | 20 31 | 0 43 | 2 24 | 2 4 | 34 9 | 15 58 | 23 11 | 23 2 | 25 40 | | n.a. |
| T 21 | 23 34 | 24 14 | 0n33 | 18 12 | 4 19 | 24 44 | 0 48 | 10 33 | 0 18 | 18 54 | 1 17 | 21 31 | 1 59 | 20 30 | 0 43 | 2 24 | 2 4 | 34 8 | 15 58 | 23 11 | 23 2 | 25 40 | | n.a. |
| F 22 | 23 30 | 25 36 | 1 54 | 18 20 | 4 19 | 24 45 | 0 50 | 10 17 | 0 17 | 18 51 | 1 17 | 21 32 | 1 59 | 20 29 | 0 43 | 2 24 | 2 4 | 34 8 | 15 58 | 23 11 | 23 2 | 25 40 | | n.a. |
| S 23 | 23 25 | 25 4 | 3 7 | 18 30 | 4 16 | 24 46 | 0 52 | 10 1 | 0 16 | 18 47 | 1 17 | 21 33 | 1 59 | 20 28 | 0 43 | 2 24 | 2 4 | 34 7 | 15 58 | 23 11 | 23 1 | 25 40 | | n.a. |
| S 24 | 23 19 | 22 40 | 4 6 | 18 41 | 4 12 | 24 47 | 0 54 | 9 45 | 0 15 | 18 44 | 1 17 | 21 34 | 1 59 | 20 27 | 0 43 | 2 24 | 2 4 | 34 6 | 15 58 | 23 11 | 23 1 | 25 40 | | n.a. |
| M25 | 23 13 | 18 46 | 4 48 | 18 55 | 4 5 | 24 46 | 0 56 | 9 29 | 0 14 | 18 40 | 1 17 | 21 35 | 1 59 | 20 26 | 0 43 | 2 25 | 2 4 | 34 5 | 15 57 | 23 10 | 23 0 | 25 40 | | n.a. |
| T 26 | 23 7 | 13 50 | 5 10 | 19 10 | 3 57 | 24 45 | 0 58 | 9 13 | 0 13 | 18 36 | 1 17 | 21 37 | 1 59 | 20 26 | 0 43 | 2 25 | 2 4 | 34 4 | 15 57 | 23 10 | 23 0 | 25 40 | | n.a. |
| W27 | 23 1 | 8 18 | 5 12 | 19 26 | 3 46 | 24 42 | 0 59 | 8 56 | 0 12 | 18 33 | 1 17 | 21 38 | 2 0 | 20 25 | 0 43 | 2 25 | 2 3 | 34 4 | 15 57 | 23 10 | 23 0 | 25 40 | | n.a. |
| T 28 | 22 53 | 2 32 | 4 57 | 19 44 | 3 34 | 24 40 | 1 1 | 8 40 | 0 11 | 18 29 | 1 17 | 21 39 | 2 0 | 20 24 | 0 43 | 2 25 | 2 3 | 34 3 | 15 57 | 23 9 | 22 59 | 25 40 | | n.a. |
| F 29 | 22 46 | 3s 9 | 4 26 | 20 3 | 3 20 | 24 36 | 1 3 | 8 23 | 0 11 | 18 25 | 1 17 | 21 40 | 2 0 | 20 23 | 0 43 | 2 26 | 2 3 | 34 2 | 15 57 | 23 9 | 22 59 | 25 40 | | n.a. |
| S 30 | 22 38 | 8 33 | 3 42 | 20 22 | 3 5 | 24 32 | 1 4 | 8 7 | 0 10 | 18 22 | 1 17 | 21 41 | 2 0 | 20 22 | 0 43 | 2 26 | 2 3 | 34 1 | 15 57 | 23 9 | 22 59 | 25 40 | | n.a. |
| S 31 | 22n30 | 13s28 | 2n49 | 20n42 | 2s48 | 24n26 | 1n 6 | 7n50 | 0n 9 | 18n18 | 1n17 | 21s43 | 2s 0 | 20n21 | 0n43 | 2s26 | 2n 3 | 34n 1 | 15n57 | 23n10 | 22n58 | 25s40 | | n.a. |

Julian Day Number = 997678.5, Delta T = 12h54m57s
Ecliptic obliquity = 23°55'22, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'33, Lahiri = -31°16'32 Julian Calendar 1 July 1982 BCE == Greg. Calendar 14 June 1982 BCE

The year -1981 astronomical counting style corresponds to year 1982 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## AUGUST 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 29 19 | 20♋18'33 | 25♏32 | 9°R50 | 13♋27 | 11♍25 | 13♌48 | 3°R25 | 4♌ 2 | 10♎44 | 7♌48 | 15♊56 | 14♊11 | 15♉29 | n.a. | M 1 |
| T 2 | 19 33 15 | 21°17'10 | 7♐33 | 9♋23 | 14°41 | 12° 6 | 14° 1 | 3♒21 | 4° 6 | 10°44 | 7°50 | 15°58 | 14° 8 | 15°36 | n.a. | T 2 |
| W 3 | 19 37 12 | 22°15'50 | 19°26 | 9° 4 | 15°56 | 12°48 | 14°14 | 3°16 | 4° 9 | 10°45 | 7°52 | 15°R58 | 14° 5 | 15°42 | n.a. | W 3 |
| T 4 | 19 41 8 | 23°14'31 | 1♑16 | 8°D55 | 17°11 | 13°29 | 14°26 | 3°12 | 4°13 | 10°46 | 7°54 | 15°57 | 14° 2 | 15°49 | n.a. | T 4 |
| F 5 | 19 45 5 | 24°13'14 | 13° 4 | 8°55 | 18°26 | 14°11 | 14°39 | 3° 7 | 4°17 | 10°47 | 7°56 | 15°54 | 13°58 | 15°56 | n.a. | F 5 |
| S 6 | 19 49 1 | 25°12'00 | 24°54 | 9° 5 | 19°41 | 14°53 | 14°52 | 3° 2 | 4°21 | 10°47 | 7°59 | 15°49 | 13°55 | 16° 2 | n.a. | S 6 |
| S 7 | 19 52 58 | 26°10'47 | 6♒47 | 9°24 | 20°56 | 15°35 | 15° 4 | 2°58 | 4°24 | 10°48 | 8° 1 | 15°42 | 13°52 | 16° 9 | n.a. | S 7 |
| M 8 | 19 56 55 | 27° 9'37 | 18°45 | 9°53 | 22°11 | 16°17 | 15°17 | 2°53 | 4°28 | 10°49 | 8° 3 | 15°34 | 13°49 | 16°16 | n.a. | M 8 |
| T 9 | 20 0 51 | 28° 8'29 | 0♓49 | 10°31 | 23°26 | 16°59 | 15°30 | 2°48 | 4°32 | 10°50 | 8° 5 | 15°26 | 13°46 | 16°22 | n.a. | T 9 |
| W10 | 20 4 48 | 29° 7'24 | 13° 2 | 11°17 | 24°41 | 17°41 | 15°43 | 2°43 | 4°36 | 10°51 | 8° 8 | 15°19 | 13°43 | 16°29 | n.a. | W10 |
| T 11 | 20 8 44 | 0♌ 6'20 | 25°26 | 12°12 | 25°56 | 18°24 | 15°56 | 2°39 | 4°39 | 10°52 | 8°10 | 15°13 | 13°39 | 16°36 | n.a. | T 11 |
| F 12 | 20 12 41 | 1° 5'19 | 8♈ 3 | 13°14 | 27°11 | 19° 6 | 16° 8 | 2°34 | 4°43 | 10°53 | 8°12 | 15° 8 | 13°36 | 16°42 | n.a. | F 12 |
| S 13 | 20 16 37 | 2° 4'21 | 20°55 | 14°23 | 28°26 | 19°48 | 16°21 | 2°29 | 4°47 | 10°54 | 8°15 | 15° 5 | 13°33 | 16°49 | n.a. | S 13 |
| S 14 | 20 20 34 | 3° 3'25 | 4♉ 6 | 15°38 | 29°41 | 20°31 | 16°34 | 2°24 | 4°51 | 10°55 | 8°17 | 15°D 5 | 13°30 | 16°56 | n.a. | S 14 |
| M15 | 20 24 30 | 4° 2'32 | 17°39 | 16°59 | 0♌56 | 21°14 | 16°47 | 2°20 | 4°55 | 10°56 | 8°19 | 15° 5 | 13°27 | 17° 2 | n.a. | M15 |
| T 16 | 20 28 27 | 5° 1'41 | 1♊35 | 18°24 | 2°11 | 21°56 | 17° 0 | 2°15 | 4°58 | 10°58 | 8°21 | 15° 7 | 13°23 | 17° 9 | n.a. | T 16 |
| W17 | 20 32 23 | 6° 0'53 | 15°55 | 19°54 | 3°26 | 22°39 | 17°13 | 2°10 | 5° 2 | 10°59 | 8°24 | 15°R 7 | 13°20 | 17°16 | n.a. | W17 |
| T 18 | 20 36 20 | 7° 0'07 | 0♋37 | 21°28 | 4°41 | 23°22 | 17°26 | 2° 5 | 5° 6 | 11° 0 | 8°26 | 15° 6 | 13°17 | 17°22 | n.a. | T 18 |
| F 19 | 20 40 17 | 7°59'24 | 15°37 | 23° 4 | 5°56 | 24° 5 | 17°39 | 2° 1 | 5°10 | 11° 1 | 8°28 | 15° 3 | 13°14 | 17°29 | n.a. | F 19 |
| S 20 | 20 44 13 | 8°58'43 | 0♌46 | 24°43 | 7°12 | 24°48 | 17°52 | 1°56 | 5°14 | 11° 3 | 8°31 | 14°57 | 13°11 | 17°36 | n.a. | S 20 |
| S 21 | 20 48 10 | 9°58'04 | 15°56 | 26°24 | 8°27 | 25°31 | 18° 5 | 1°51 | 5°18 | 11° 4 | 8°33 | 14°50 | 13° 8 | 17°42 | n.a. | S 21 |
| M22 | 20 52 6 | 10°57'28 | 0♍56 | 28° 6 | 9°42 | 26°14 | 18°18 | 1°47 | 5°21 | 11° 5 | 8°35 | 14°41 | 13° 4 | 17°49 | n.a. | M22 |
| T 23 | 20 56 3 | 11°56'53 | 15°37 | 29°50 | 10°57 | 26°57 | 18°32 | 1°42 | 5°25 | 11° 6 | 8°38 | 14°32 | 13° 1 | 17°56 | n.a. | T 23 |
| W24 | 20 59 59 | 12°56'21 | 29°52 | 1♌35 | 12°13 | 27°41 | 18°45 | 1°37 | 5°29 | 11° 8 | 8°40 | 14°24 | 12°58 | 18° 2 | n.a. | W24 |
| T 25 | 21 3 56 | 13°55'50 | 13♎38 | 3°20 | 13°28 | 28°24 | 18°58 | 1°33 | 5°33 | 11° 9 | 8°42 | 14°18 | 12°55 | 18° 9 | n.a. | T 25 |
| F 26 | 21 7 52 | 14°55'21 | 26°55 | 5° 6 | 14°43 | 29° 8 | 19°11 | 1°28 | 5°36 | 11°11 | 8°44 | 14°14 | 12°52 | 18°16 | n.a. | F 26 |
| S 27 | 21 11 49 | 15°54'55 | 9♏44 | 6°52 | 15°58 | 29°51 | 19°24 | 1°24 | 5°40 | 11°12 | 8°47 | 14°13 | 12°49 | 18°22 | n.a. | S 27 |
| S 28 | 21 15 45 | 16°54'30 | 22°12 | 8°38 | 17°14 | 0♎35 | 19°37 | 1°19 | 5°44 | 11°14 | 8°49 | 14°D13 | 12°45 | 18°29 | n.a. | S 28 |
| M29 | 21 19 42 | 17°54'07 | 4♐21 | 10°24 | 18°29 | 1°18 | 19°50 | 1°15 | 5°48 | 11°15 | 8°51 | 14°13 | 12°42 | 18°36 | n.a. | M29 |
| T 30 | 21 23 39 | 18°53'47 | 16°19 | 12° 9 | 19°44 | 2° 2 | 20° 4 | 1°10 | 5°51 | 11°17 | 8°54 | 14°R14 | 12°39 | 18°42 | n.a. | T 30 |
| W31 | 21 27 35 | 19♌53'28 | 28♐ 9 | 13♌55 | 21♌ 0 | 2♎46 | 20♌17 | 1♒ 6 | 5♌55 | 11♎18 | 8♌56 | 14♊13 | 12♊36 | 18♉49 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 22n21 | 17s46 | 1n49 | 21n 2 | 2s31 | 24n20 | 1n 7 | 7n33 | 0n 8 | 18n14 | 1n17 | 21s44 | 2s 0 | 20n20 | 0n43 | 2s27 | 2n 3 | 34n 0 | 15n56 | 23n10 | 22n58 | 25s40 | | | n.a. |
| T 2 | 22 12 | 21 15 | 0 46 | 21 22 | 2 13 | 24 14 | 1 8 | 7 16 | 0 7 | 18 10 | 1 17 | 21 45 | 2 0 | 20 19 | 0 43 | 2 27 | 2 3 | 33 59 | 15 56 | 23 10 | 22 57 | 25 40 | | | n.a. |
| W 3 | 22 2 | 23 48 | 0s19 | 21 42 | 1 54 | 24 6 | 1 10 | 6 59 | 0 6 | 18 7 | 1 17 | 21 46 | 2 1 | 20 18 | 0 43 | 2 27 | 2 3 | 33 58 | 15 56 | 23 10 | 22 57 | 25 40 | | | n.a. |
| T 4 | 21 53 | 25 17 | 1 22 | 22 2 | 1 36 | 23 58 | 1 11 | 6 42 | 0 5 | 18 3 | 1 17 | 21 47 | 2 1 | 20 17 | 0 43 | 2 28 | 2 3 | 33 58 | 15 56 | 23 10 | 22 57 | 25 40 | | | n.a. |
| F 5 | 21 42 | 25 37 | 2 22 | 22 20 | 1 17 | 23 49 | 1 12 | 6 25 | 0 4 | 17 59 | 1 17 | 21 49 | 2 1 | 20 17 | 0 43 | 2 28 | 2 3 | 33 57 | 15 56 | 23 10 | 22 56 | 25 40 | | | n.a. |
| S 6 | 21 31 | 24 47 | 3 16 | 22 38 | 0 59 | 23 40 | 1 14 | 6 7 | 0 3 | 17 55 | 1 16 | 21 50 | 2 1 | 20 16 | 0 43 | 2 29 | 2 3 | 33 56 | 15 56 | 23 9 | 22 56 | 25 39 | | | n.a. |
| S 7 | 21 20 | 22 50 | 4 1 | 22 54 | 0 41 | 23 29 | 1 15 | 5 50 | 0 2 | 17 51 | 1 16 | 21 51 | 2 1 | 20 15 | 0 43 | 2 29 | 2 3 | 33 56 | 15 56 | 23 8 | 22 56 | 25 39 | | | n.a. |
| M 8 | 21 9 | 19 52 | 4 36 | 23 9 | 0 24 | 23 18 | 1 16 | 5 33 | 0 2 | 17 47 | 1 16 | 21 52 | 2 1 | 20 14 | 0 43 | 2 30 | 2 3 | 33 55 | 15 56 | 23 7 | 22 55 | 25 39 | | | n.a. |
| T 9 | 20 57 | 16 2 | 4 59 | 23 22 | 0 7 | 23 6 | 1 17 | 5 15 | 0 1 | 17 44 | 1 16 | 21 54 | 2 1 | 20 13 | 0 43 | 2 30 | 2 3 | 33 54 | 15 56 | 23 7 | 22 55 | 25 39 | | | n.a. |
| W10 | 20 45 | 11 31 | 5 8 | 23 34 | 0n 8 | 22 54 | 1 18 | 4 57 | 0s 0 | 17 40 | 1 16 | 21 55 | 2 1 | 20 12 | 0 43 | 2 30 | 2 3 | 33 53 | 15 56 | 23 6 | 22 54 | 25 39 | | | n.a. |
| T 11 | 20 32 | 6 29 | 5 4 | 23 43 | 0 22 | 22 40 | 1 19 | 4 40 | 0 1 | 17 36 | 1 16 | 21 56 | 2 1 | 20 11 | 0 43 | 2 31 | 2 2 | 33 53 | 15 56 | 23 5 | 22 54 | 25 39 | | | n.a. |
| F 12 | 20 19 | 1 5 | 4 44 | 23 51 | 0 36 | 22 27 | 1 19 | 4 22 | 0 2 | 17 32 | 1 16 | 21 57 | 2 1 | 20 10 | 0 43 | 2 31 | 2 2 | 33 52 | 15 56 | 23 4 | 22 54 | 25 39 | | | n.a. |
| S 13 | 20 6 | 4n28 | 4 11 | 23 56 | 0 48 | 22 12 | 1 20 | 4 4 | 0 3 | 17 28 | 1 16 | 21 58 | 2 2 | 20 9 | 0 43 | 2 32 | 2 2 | 33 51 | 15 56 | 23 4 | 22 53 | 25 39 | | | n.a. |
| S 14 | 19 52 | 9 58 | 3 23 | 23 58 | 0 59 | 21 57 | 1 21 | 3 47 | 0 4 | 17 24 | 1 16 | 21 59 | 2 2 | 20 8 | 0 43 | 2 32 | 2 2 | 33 51 | 15 56 | 23 4 | 22 53 | 25 39 | | | n.a. |
| M15 | 19 38 | 15 9 | 2 23 | 23 58 | 1 9 | 21 41 | 1 21 | 3 29 | 0 4 | 17 20 | 1 16 | 22 1 | 2 2 | 20 7 | 0 43 | 2 33 | 2 2 | 33 50 | 15 56 | 23 4 | 22 52 | 25 38 | | | n.a. |
| T 16 | 19 24 | 19 43 | 1 12 | 23 55 | 1 18 | 21 24 | 1 22 | 3 11 | 0 5 | 17 16 | 1 16 | 22 2 | 2 2 | 20 6 | 0 43 | 2 33 | 2 2 | 33 49 | 15 56 | 23 4 | 22 52 | 25 38 | | | n.a. |
| W17 | 19 9 | 23 14 | 0n 4 | 23 50 | 1 26 | 21 7 | 1 23 | 2 53 | 0 6 | 17 12 | 1 16 | 22 3 | 2 2 | 20 5 | 0 43 | 2 34 | 2 2 | 33 49 | 15 56 | 23 4 | 22 52 | 25 38 | | | n.a. |
| T 18 | 18 54 | 25 18 | 1 22 | 23 42 | 1 33 | 20 49 | 1 23 | 2 35 | 0 7 | 17 8 | 1 16 | 22 4 | 2 2 | 20 4 | 0 43 | 2 34 | 2 2 | 33 48 | 15 56 | 23 4 | 22 51 | 25 38 | | | n.a. |
| F 19 | 18 38 | 25 34 | 2 36 | 23 31 | 1 39 | 20 31 | 1 23 | 2 17 | 0 8 | 17 3 | 1 16 | 22 5 | 2 2 | 20 3 | 0 43 | 2 35 | 2 2 | 33 47 | 15 56 | 23 4 | 22 51 | 25 38 | | | n.a. |
| S 20 | 18 22 | 23 58 | 3 40 | 23 18 | 1 43 | 20 12 | 1 24 | 1 59 | 0 9 | 16 59 | 1 16 | 22 6 | 2 2 | 20 3 | 0 43 | 2 36 | 2 2 | 33 47 | 15 56 | 23 3 | 22 50 | 25 38 | | | n.a. |
| S 21 | 18 6 | 20 38 | 4 28 | 23 3 | 1 47 | 19 52 | 1 24 | 1 40 | 0 9 | 16 55 | 1 16 | 22 8 | 2 2 | 20 2 | 0 43 | 2 36 | 2 2 | 33 46 | 15 56 | 23 2 | 22 50 | 25 37 | | | n.a. |
| M22 | 17 50 | 15 58 | 4 57 | 22 45 | 1 50 | 19 32 | 1 24 | 1 22 | 0 10 | 16 51 | 1 16 | 22 9 | 2 2 | 20 1 | 0 43 | 2 37 | 2 2 | 33 46 | 15 56 | 23 1 | 22 50 | 25 37 | | | n.a. |
| T 23 | 17 33 | 10 27 | 5 5 | 22 25 | 1 52 | 19 11 | 1 24 | 1 4 | 0 11 | 16 47 | 1 16 | 22 10 | 2 2 | 20 0 | 0 43 | 2 37 | 2 2 | 33 45 | 15 56 | 23 0 | 22 49 | 25 37 | | | n.a. |
| W24 | 17 16 | 4 32 | 4 54 | 22 3 | 1 53 | 18 50 | 1 24 | 0 46 | 0 12 | 16 43 | 1 16 | 22 11 | 2 2 | 19 59 | 0 43 | 2 38 | 2 2 | 33 44 | 15 56 | 22 59 | 22 49 | 25 37 | | | n.a. |
| T 25 | 16 59 | 1s24 | 4 27 | 21 39 | 1 54 | 18 28 | 1 24 | 0 27 | 0 13 | 16 39 | 1 16 | 22 12 | 2 2 | 19 58 | 0 43 | 2 38 | 2 2 | 33 44 | 15 56 | 22 59 | 22 48 | 25 37 | | | n.a. |
| F 26 | 16 41 | 7 5 | 3 45 | 21 13 | 1 54 | 18 5 | 1 24 | 0 9 | 0 13 | 16 34 | 1 16 | 22 13 | 2 2 | 19 57 | 0 43 | 2 39 | 2 1 | 33 43 | 15 56 | 22 58 | 22 48 | 25 36 | | | n.a. |
| S 27 | 16 23 | 12 17 | 2 53 | 20 45 | 1 53 | 17 42 | 1 24 | 0s 9 | 0 14 | 16 30 | 1 16 | 22 14 | 2 2 | 19 56 | 0 43 | 2 40 | 2 1 | 33 43 | 15 56 | 22 58 | 22 48 | 25 36 | | | n.a. |
| S 28 | 16 5 | 16 50 | 1 55 | 20 16 | 1 52 | 17 19 | 1 24 | 0 28 | 0 15 | 16 26 | 1 16 | 22 15 | 2 2 | 19 55 | 0 43 | 2 40 | 2 1 | 33 42 | 15 56 | 22 58 | 22 47 | 25 36 | | | n.a. |
| M29 | 15 46 | 20 35 | 0 53 | 19 45 | 1 50 | 16 55 | 1 24 | 0 46 | 0 16 | 16 22 | 1 16 | 22 16 | 2 2 | 19 54 | 0 43 | 2 41 | 2 1 | 33 41 | 15 57 | 22 58 | 22 47 | 25 36 | | | n.a. |
| T 30 | 15 28 | 23 23 | 0s11 | 19 13 | 1 48 | 16 30 | 1 23 | 1 5 | 0 17 | 16 18 | 1 16 | 22 17 | 2 2 | 19 53 | 0 43 | 2 42 | 2 1 | 33 41 | 15 57 | 22 58 | 22 46 | 25 35 | | | n.a. |
| W31 | 15n 9 | 25s 8 | 1s14 | 18n39 | 1n45 | 16n 6 | 1n23 | 1s23 | 0s17 | 16n13 | 1n16 | 22s18 | 2s 2 | 19n52 | 0n43 | 2s42 | 2n 1 | 33n40 | 15n57 | 22n58 | 22n46 | 25s35 | | | n.a. |

Julian Day Number = 997709.5, Delta T = 12h54m54s
Ecliptic obliquity = 23°55'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'29, Lahiri = -31°16'28 Julian Calendar 1 Aug. 1982 BCE == Greg. Calendar 15 July 1982 BCE

The year -1981 astronomical counting style corresponds to year 1982 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## SEPTEMBER 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 31 32 | 20♌53'11 | 9♉57 | 15♌39 | 22♌15 | 3♎30 | 20♌30 | 1°R 2 | 5♌59 | 11♎20 | 8♌58 | 14°R 9 | 12♊33 | 18♉56 | n.a. | T 1 |
| F 2 | 21 35 28 | 21°52'56 | 21°45 | 17°24 | 23°30 | 4°14 | 20°43 | 0♒57 | 6° 3 | 11°21 | 9° 0 | 14♊ 3 | 12°29 | 19° 2 | n.a. | F 2 |
| S 3 | 21 39 25 | 22°52'43 | 3♒39 | 19° 8 | 24°46 | 4°58 | 20°56 | 0°53 | 6° 6 | 11°23 | 9° 3 | 13°55 | 12°26 | 19° 9 | n.a. | S 3 |
| S 4 | 21 43 21 | 23°52'33 | 15°39 | 20°51 | 26° 1 | 5°42 | 21° 9 | 0°49 | 6°10 | 11°25 | 9° 5 | 13°44 | 12°23 | 19°16 | n.a. | S 4 |
| M 5 | 21 47 18 | 24°52'24 | 27°47 | 22°34 | 27°17 | 6°26 | 21°23 | 0°45 | 6°14 | 11°26 | 9° 7 | 13°31 | 12°20 | 19°22 | n.a. | M 5 |
| T 6 | 21 51 14 | 25°52'17 | 10♓ 4 | 24°16 | 28°32 | 7°10 | 21°36 | 0°41 | 6°17 | 11°28 | 9° 9 | 13°18 | 12°17 | 19°29 | n.a. | T 6 |
| W 7 | 21 55 11 | 26°52'13 | 22°30 | 25°58 | 29°47 | 7°55 | 21°49 | 0°37 | 6°21 | 11°30 | 9°12 | 13° 5 | 12°14 | 19°36 | n.a. | W 7 |
| T 8 | 21 59 7 | 27°52'10 | 5♈ 7 | 27°39 | 1♍ 3 | 8°39 | 22° 2 | 0°33 | 6°25 | 11°32 | 9°14 | 12°54 | 12°10 | 19°43 | n.a. | T 8 |
| F 9 | 22 3 4 | 28°52'10 | 17°55 | 29°19 | 2°18 | 9°23 | 22°15 | 0°29 | 6°28 | 11°33 | 9°16 | 12°45 | 12° 7 | 19°49 | n.a. | F 9 |
| S 10 | 22 7 1 | 29°52'13 | 0♉55 | 0♍59 | 3°34 | 10° 8 | 22°28 | 0°25 | 6°32 | 11°35 | 9°18 | 12°39 | 12° 4 | 19°56 | n.a. | S 10 |
| S 11 | 22 10 57 | 0♍52'17 | 14° 8 | 2°38 | 4°49 | 10°53 | 22°41 | 0°21 | 6°35 | 11°37 | 9°20 | 12°36 | 12° 1 | 20° 3 | n.a. | S 11 |
| M12 | 22 14 54 | 1°52'24 | 27°37 | 4°17 | 6° 4 | 11°37 | 22°54 | 0°18 | 6°39 | 11°39 | 9°23 | 12°D35 | 11°58 | 20° 9 | n.a. | M12 |
| T 13 | 22 18 50 | 2°52'34 | 11♊24 | 5°55 | 7°20 | 12°22 | 23° 8 | 0°14 | 6°42 | 11°41 | 9°25 | 12°R35 | 11°55 | 20°16 | n.a. | T 13 |
| W14 | 22 22 47 | 3°52'46 | 25°29 | 7°33 | 8°35 | 13° 7 | 23°21 | 0°10 | 6°46 | 11°42 | 9°27 | 12°35 | 11°51 | 20°23 | n.a. | W14 |
| T 15 | 22 26 43 | 4°53'00 | 9♋52 | 9°10 | 9°51 | 13°51 | 23°34 | 0° 7 | 6°49 | 11°44 | 9°29 | 12°33 | 11°48 | 20°29 | n.a. | T 15 |
| F 16 | 22 30 40 | 5°53'16 | 24°31 | 10°46 | 11° 6 | 14°36 | 23°47 | 0° 4 | 6°53 | 11°46 | 9°31 | 12°28 | 11°45 | 20°36 | n.a. | F 16 |
| S 17 | 22 34 36 | 6°53'35 | 9♌21 | 12°23 | 12°22 | 15°21 | 24° 0 | 0° 0 | 6°56 | 11°48 | 9°33 | 12°21 | 11°42 | 20°43 | n.a. | S 17 |
| S 18 | 22 38 33 | 7°53'55 | 24°15 | 13°58 | 13°37 | 16° 6 | 24°13 | 29♉57 | 7° 0 | 11°50 | 9°35 | 12°10 | 11°39 | 20°49 | n.a. | S 18 |
| M19 | 22 42 29 | 8°54'18 | 9♍ 4 | 15°33 | 14°53 | 16°51 | 24°26 | 29°54 | 7° 3 | 11°52 | 9°37 | 11°59 | 11°35 | 20°56 | n.a. | M19 |
| T 20 | 22 46 26 | 9°54'42 | 23°39 | 17° 8 | 16° 8 | 17°36 | 24°39 | 29°51 | 7° 7 | 11°54 | 9°39 | 11°46 | 11°32 | 21° 3 | n.a. | T 20 |
| W21 | 22 50 23 | 10°55'08 | 7♎53 | 18°43 | 17°23 | 18°22 | 24°52 | 29°48 | 7°10 | 11°56 | 9°42 | 11°35 | 11°29 | 21° 9 | n.a. | W21 |
| T 22 | 22 54 19 | 11°55'36 | 21°41 | 20°16 | 18°39 | 19° 7 | 25° 5 | 29°45 | 7°13 | 11°58 | 9°44 | 11°26 | 11°26 | 21°16 | n.a. | T 22 |
| F 23 | 22 58 16 | 12°56'06 | 5♏ 1 | 21°50 | 19°54 | 19°52 | 25°17 | 29°42 | 7°16 | 12° 0 | 9°46 | 11°20 | 11°23 | 21°23 | n.a. | F 23 |
| S 24 | 23 2 12 | 13°56'37 | 17°54 | 23°23 | 21°10 | 20°38 | 25°30 | 29°39 | 7°20 | 12° 2 | 9°48 | 11°16 | 11°20 | 21°29 | n.a. | S 24 |
| S 25 | 23 6 9 | 14°57'09 | 0♐25 | 24°56 | 22°25 | 21°23 | 25°43 | 29°37 | 7°23 | 12° 4 | 9°50 | 11°14 | 11°16 | 21°36 | n.a. | S 25 |
| M26 | 23 10 5 | 15°57'44 | 12°36 | 26°28 | 23°41 | 22° 8 | 25°56 | 29°34 | 7°26 | 12° 6 | 9°51 | 11°14 | 11°13 | 21°43 | n.a. | M26 |
| T 27 | 23 14 2 | 16°58'19 | 24°35 | 28° 0 | 24°56 | 22°54 | 26° 9 | 29°32 | 7°29 | 12° 8 | 9°53 | 11°14 | 11°10 | 21°49 | n.a. | T 27 |
| W28 | 23 17 58 | 17°58'56 | 6♑25 | 29°32 | 26°12 | 23°40 | 26°21 | 29°29 | 7°32 | 12°10 | 9°55 | 11°13 | 11° 7 | 21°56 | n.a. | W28 |
| T 29 | 23 21 55 | 18°59'35 | 18°14 | 1♎ 3 | 27°27 | 24°25 | 26°34 | 29°27 | 7°36 | 12°13 | 9°57 | 11°10 | 11° 4 | 22° 3 | n.a. | T 29 |
| F 30 | 23 25 52 | 20♍ 0'15 | 0♒ 4 | 2♎34 | 28♍42 | 25♎11 | 26♌47 | 29♑25 | 7♌39 | 12♎15 | 9♌59 | 11♊ 4 | 11♊ 0 | 22♑ 9 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n49 | 25s45 | 2s12 | 18n 5 | 1n42 | 15n40 | 1n23 | 1s42 | 0s18 | 16n 9 | 1n16 | 22s19 | 2s 2 | 19n51 | 0n43 | 2s43 | 2n 1 | 33n40 | 15n57 | 22n58 | 22n45 | 25s35 | | n.a. |
| F 2 | 14 30 | 25 11 | 3 6 | 17 29 | 1 38 | 15 15 | 1 22 | 2 0 | 0 19 | 16 5 | 1 16 | 22 20 | 2 2 | 19 50 | 0 43 | 2 44 | 2 1 | 33 39 | 15 57 | 22 57 | 22 45 | 25 35 | | n.a. |
| S 3 | 14 10 | 23 28 | 3 51 | 16 53 | 1 34 | 14 48 | 1 21 | 2 19 | 0 20 | 16 0 | 1 16 | 22 21 | 2 2 | 19 49 | 0 43 | 2 44 | 2 1 | 33 39 | 15 57 | 22 56 | 22 45 | 25 34 | | n.a. |
| S 4 | 13 50 | 20 42 | 4 26 | 16 15 | 1 30 | 14 22 | 1 21 | 2 37 | 0 20 | 15 56 | 1 16 | 22 22 | 2 2 | 19 49 | 0 43 | 2 45 | 2 1 | 33 38 | 15 57 | 22 55 | 22 44 | 25 34 | | n.a. |
| M 5 | 13 30 | 17 0 | 4 50 | 15 37 | 1 26 | 13 55 | 1 20 | 2 56 | 0 21 | 15 52 | 1 16 | 22 23 | 2 2 | 19 48 | 0 43 | 2 46 | 2 1 | 33 38 | 15 58 | 22 53 | 22 44 | 25 34 | | n.a. |
| T 6 | 13 9 | 12 34 | 5 0 | 14 58 | 1 21 | 13 27 | 1 19 | 3 14 | 0 22 | 15 48 | 1 16 | 22 24 | 2 2 | 19 47 | 0 43 | 2 47 | 2 1 | 33 37 | 15 58 | 22 51 | 22 43 | 25 33 | | n.a. |
| W 7 | 12 48 | 7 34 | 4 57 | 14 18 | 1 16 | 13 0 | 1 18 | 3 33 | 0 23 | 15 43 | 1 16 | 22 25 | 2 2 | 19 46 | 0 43 | 2 47 | 2 1 | 33 37 | 15 58 | 22 50 | 22 43 | 25 33 | | n.a. |
| T 8 | 12 27 | 2 11 | 4 39 | 13 38 | 1 10 | 12 32 | 1 18 | 3 51 | 0 23 | 15 39 | 1 16 | 22 25 | 2 2 | 19 45 | 0 43 | 2 48 | 2 1 | 33 36 | 15 58 | 22 48 | 22 43 | 25 33 | | n.a. |
| F 9 | 12 6 | 3n22 | 4 7 | 12 57 | 1 5 | 12 3 | 1 17 | 4 10 | 0 24 | 15 35 | 1 17 | 22 26 | 2 2 | 19 44 | 0 43 | 2 49 | 2 1 | 33 36 | 15 58 | 22 47 | 22 42 | 25 33 | | n.a. |
| S 10 | 11 45 | 8 53 | 3 21 | 12 16 | 0 59 | 11 34 | 1 16 | 4 28 | 0 25 | 15 30 | 1 17 | 22 27 | 2 2 | 19 43 | 0 43 | 2 50 | 2 1 | 33 35 | 15 59 | 22 46 | 22 42 | 25 32 | | n.a. |
| S 11 | 11 23 | 14 6 | 2 24 | 11 34 | 0 54 | 11 5 | 1 15 | 4 47 | 0 26 | 15 26 | 1 17 | 22 28 | 2 2 | 19 42 | 0 44 | 2 50 | 2 1 | 33 35 | 15 59 | 22 46 | 22 41 | 25 32 | | n.a. |
| M12 | 11 1 | 18 45 | 1 18 | 10 52 | 0 48 | 10 36 | 1 13 | 5 5 | 0 26 | 15 22 | 1 17 | 22 29 | 2 2 | 19 41 | 0 44 | 2 51 | 2 1 | 33 35 | 15 59 | 22 46 | 22 41 | 25 32 | | n.a. |
| T 13 | 10 39 | 22 30 | 0 6 | 10 10 | 0 42 | 10 6 | 1 12 | 5 24 | 0 27 | 15 17 | 1 17 | 22 29 | 2 2 | 19 40 | 0 44 | 2 52 | 2 1 | 33 34 | 15 59 | 22 46 | 22 40 | 25 31 | | n.a. |
| W14 | 10 17 | 24 58 | 1n 8 | 9 27 | 0 35 | 9 36 | 1 11 | 5 42 | 0 28 | 15 13 | 1 17 | 22 30 | 2 2 | 19 40 | 0 44 | 2 53 | 2 1 | 33 34 | 16 0 | 22 46 | 22 40 | 25 31 | | n.a. |
| T 15 | 9 55 | 25 51 | 2 19 | 8 44 | 0 29 | 9 6 | 1 10 | 6 1 | 0 29 | 15 9 | 1 17 | 22 31 | 2 2 | 19 39 | 0 44 | 2 53 | 2 0 | 33 33 | 16 0 | 22 46 | 22 39 | 25 30 | | n.a. |
| F 16 | 9 32 | 24 58 | 3 22 | 8 1 | 0 23 | 8 36 | 1 8 | 6 19 | 0 29 | 15 4 | 1 17 | 22 31 | 2 2 | 19 38 | 0 44 | 2 54 | 2 0 | 33 33 | 16 0 | 22 45 | 22 39 | 25 30 | | n.a. |
| S 17 | 9 9 | 22 19 | 4 12 | 7 18 | 0 16 | 8 5 | 1 7 | 6 37 | 0 30 | 15 0 | 1 17 | 22 32 | 2 1 | 19 37 | 0 44 | 2 55 | 2 0 | 33 33 | 16 0 | 22 44 | 22 39 | 25 30 | | n.a. |
| S 18 | 8 47 | 18 11 | 4 46 | 6 35 | 0 10 | 7 34 | 1 6 | 6 56 | 0 31 | 14 55 | 1 17 | 22 33 | 2 1 | 19 36 | 0 44 | 2 56 | 2 0 | 33 32 | 16 1 | 22 43 | 22 38 | 25 29 | | n.a. |
| M19 | 8 24 | 12 56 | 5 0 | 5 51 | 0 3 | 7 3 | 1 4 | 7 14 | 0 31 | 14 51 | 1 17 | 22 33 | 2 1 | 19 35 | 0 44 | 2 57 | 2 0 | 33 32 | 16 1 | 22 41 | 22 38 | 25 29 | | n.a. |
| T 20 | 8 0 | 7 3 | 4 54 | 5 8 | 0s 3 | 6 32 | 1 3 | 7 32 | 0 32 | 14 47 | 1 17 | 22 34 | 2 1 | 19 34 | 0 44 | 2 57 | 2 0 | 33 32 | 16 1 | 22 39 | 22 37 | 25 29 | | n.a. |
| W21 | 7 37 | 0 56 | 4 30 | 4 24 | 0 10 | 6 1 | 1 1 | 7 50 | 0 33 | 14 42 | 1 17 | 22 35 | 2 1 | 19 33 | 0 44 | 2 58 | 2 0 | 33 31 | 16 1 | 22 38 | 22 37 | 25 28 | | n.a. |
| T 22 | 7 14 | 5s 4 | 3 50 | 3 41 | 0 16 | 5 29 | 0 59 | 8 9 | 0 33 | 14 38 | 1 17 | 22 35 | 2 1 | 19 33 | 0 44 | 2 59 | 2 0 | 33 31 | 16 2 | 22 36 | 22 36 | 25 28 | | n.a. |
| F 23 | 6 50 | 10 39 | 2 59 | 2 57 | 0 23 | 4 57 | 0 58 | 8 27 | 0 34 | 14 34 | 1 17 | 22 36 | 2 1 | 19 32 | 0 44 | 3 0 | 2 0 | 33 31 | 16 2 | 22 36 | 22 36 | 25 27 | | n.a. |
| S 24 | 6 26 | 15 36 | 2 0 | 2 14 | 0 29 | 4 25 | 0 56 | 8 45 | 0 35 | 14 29 | 1 17 | 22 36 | 2 1 | 19 31 | 0 44 | 3 1 | 2 0 | 33 30 | 16 2 | 22 35 | 22 36 | 25 27 | | n.a. |
| S 25 | 6 3 | 19 43 | 0 57 | 1 30 | 0 36 | 3 53 | 0 54 | 9 3 | 0 35 | 14 25 | 1 18 | 22 37 | 2 1 | 19 30 | 0 44 | 3 2 | 2 0 | 33 30 | 16 3 | 22 35 | 22 35 | 25 26 | | n.a. |
| M26 | 5 39 | 22 53 | 0s 7 | 0 47 | 0 42 | 3 21 | 0 52 | 9 21 | 0 36 | 14 21 | 1 18 | 22 37 | 2 1 | 19 29 | 0 44 | 3 2 | 2 0 | 33 30 | 16 3 | 22 35 | 22 35 | 25 26 | | n.a. |
| T 27 | 5 15 | 24 59 | 1 10 | 0 4 | 0 49 | 2 49 | 0 50 | 9 39 | 0 37 | 14 16 | 1 18 | 22 37 | 2 1 | 19 29 | 0 44 | 3 3 | 2 0 | 33 30 | 16 3 | 22 35 | 22 34 | 25 26 | | n.a. |
| W28 | 4 51 | 25 55 | 2 9 | 0s39 | 0 55 | 2 17 | 0 48 | 9 56 | 0 37 | 14 12 | 1 18 | 22 38 | 2 0 | 19 28 | 0 44 | 3 4 | 2 0 | 33 29 | 16 4 | 22 35 | 22 34 | 25 25 | | n.a. |
| T 29 | 4 26 | 25 40 | 3 2 | 1 22 | 1 2 | 1 44 | 0 46 | 10 14 | 0 38 | 14 8 | 1 18 | 22 38 | 2 0 | 19 27 | 0 44 | 3 5 | 2 0 | 33 29 | 16 4 | 22 34 | 22 33 | 25 25 | | n.a. |
| F 30 | 4n 2 | 24s15 | 3s48 | 2s 4 | 1s 8 | 1n12 | 0n44 | 10s32 | 0s39 | 14n 3 | 1n18 | 22s39 | 2s 0 | 19n26 | 0n44 | 3s 6 | 2n 0 | 33n29 | 16n 5 | 22n33 | 22n33 | 25s24 | | n.a. |

Julian Day Number = 997740.5, Delta T = 12h54m52s
Ecliptic obliquity = 23°55'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'25, Lahiri = -31°16'24 Julian Calendar 1 Sept. 1982 BCE == Greg. Calendar 15 Aug. 1982 BCE


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## OCTOBER 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 29 48 | 21♍ 0'56 | 12♒ 2 | 4♎ 5 | 29♍58 | 25♎57 | 26♑59 | 29°R23 | 7♑42 | 12♎17 | 10♑ 1 | 10°R55 | 10♊57 | 22♂16 | n.a. | S 1 |
| S 2 | 23 33 45 | 22° 1'39 | 24° 9 | 5°35 | 1♎13 | 26°42 | 27°12 | 29♂21 | 7°45 | 12°19 | 10° 3 | 10♊44 | 10°54 | 22°23 | n.a. | S 2 |
| M 3 | 23 37 41 | 23° 2'24 | 6♓28 | 7° 5 | 2°29 | 27°28 | 27°24 | 29°19 | 7°48 | 12°21 | 10° 5 | 10°31 | 10°51 | 22°29 | n.a. | M 3 |
| T 4 | 23 41 38 | 24° 3'09 | 18°59 | 8°35 | 3°44 | 28°14 | 27°37 | 29°18 | 7°51 | 12°23 | 10° 6 | 10°17 | 10°48 | 22°36 | n.a. | T 4 |
| W 5 | 23 45 34 | 25° 3'56 | 1♈43 | 10° 4 | 4°59 | 29° 0 | 27°49 | 29°16 | 7°53 | 12°25 | 10° 8 | 10° 4 | 10°45 | 22°43 | n.a. | W 5 |
| T 6 | 23 49 31 | 26° 4'45 | 14°40 | 11°33 | 6°15 | 29°46 | 28° 2 | 29°14 | 7°56 | 12°28 | 10°10 | 9°52 | 10°41 | 22°49 | n.a. | T 6 |
| F 7 | 23 53 27 | 27° 5'35 | 27°48 | 13° 1 | 7°30 | 0♏32 | 28°14 | 29°13 | 7°59 | 12°30 | 10°12 | 9°43 | 10°38 | 22°56 | n.a. | F 7 |
| S 8 | 23 57 24 | 28° 6'27 | 11♉ 7 | 14°29 | 8°46 | 1°18 | 28°26 | 29°12 | 8° 2 | 12°32 | 10°13 | 9°37 | 10°35 | 23° 3 | n.a. | S 8 |
| S 9 | 0 1 20 | 29° 7'21 | 24°35 | 15°56 | 10° 1 | 2° 4 | 28°39 | 29°10 | 8° 5 | 12°34 | 10°15 | 9°34 | 10°32 | 23°10 | n.a. | S 9 |
| M10 | 0 5 17 | 0♎ 8'16 | 8♊13 | 17°23 | 11°16 | 2°50 | 28°51 | 29° 9 | 8° 7 | 12°36 | 10°17 | 9°D33 | 10°29 | 23°16 | n.a. | M10 |
| T 11 | 0 9 14 | 1° 9'13 | 22° 1 | 18°49 | 12°32 | 3°36 | 29° 3 | 29° 8 | 8°10 | 12°39 | 10°18 | 9°33 | 10°26 | 23°23 | n.a. | T 11 |
| W12 | 0 13 10 | 2°10'11 | 6♋ 0 | 20°14 | 13°47 | 4°23 | 29°15 | 29° 7 | 8°13 | 12°41 | 10°20 | 9°R33 | 10°22 | 23°30 | n.a. | W12 |
| T 13 | 0 17 7 | 3°11'11 | 20° 9 | 21°39 | 15° 2 | 5° 9 | 29°27 | 29° 7 | 8°15 | 12°43 | 10°22 | 9°32 | 10°19 | 23°36 | n.a. | T 13 |
| F 14 | 0 21 3 | 4°12'13 | 4♌28 | 23° 2 | 16°18 | 5°55 | 29°39 | 29° 6 | 8°18 | 12°45 | 10°23 | 9°29 | 10°16 | 23°43 | n.a. | F 14 |
| S 15 | 0 25 0 | 5°13'16 | 18°53 | 24°25 | 17°33 | 6°42 | 29°51 | 29° 5 | 8°20 | 12°48 | 10°25 | 9°23 | 10°13 | 23°50 | n.a. | S 15 |
| S 16 | 0 28 56 | 6°14'20 | 3♍20 | 25°46 | 18°48 | 7°28 | 0♍ 3 | 29° 5 | 8°23 | 12°50 | 10°26 | 9°14 | 10°10 | 23°56 | n.a. | S 16 |
| M17 | 0 32 53 | 7°15'25 | 17°43 | 27° 6 | 20° 4 | 8°14 | 0°15 | 29° 5 | 8°25 | 12°52 | 10°28 | 9° 4 | 10° 6 | 24° 3 | n.a. | M17 |
| T 18 | 0 36 50 | 8°16'32 | 1♎56 | 28°24 | 21°19 | 9° 1 | 0°26 | 29° 4 | 8°28 | 12°54 | 10°29 | 8°53 | 10° 3 | 24°10 | n.a. | T 18 |
| W19 | 0 40 46 | 9°17'40 | 15°54 | 29°40 | 22°34 | 9°47 | 0°38 | 29° 4 | 8°30 | 12°57 | 10°31 | 8°43 | 10° 0 | 24°16 | n.a. | W19 |
| T 20 | 0 44 43 | 10°18'49 | 29°32 | 0♏54 | 23°50 | 10°34 | 0°50 | 29°D 4 | 8°32 | 12°59 | 10°32 | 8°35 | 9°57 | 24°23 | n.a. | T 20 |
| F 21 | 0 48 39 | 11°19'59 | 12♏47 | 2° 5 | 25° 5 | 11°21 | 1° 1 | 29° 4 | 8°34 | 13° 1 | 10°33 | 8°30 | 9°54 | 24°30 | n.a. | F 21 |
| S 22 | 0 52 36 | 12°21'09 | 25°40 | 3°14 | 26°20 | 12° 7 | 1°13 | 29° 5 | 8°37 | 13° 3 | 10°35 | 8°27 | 9°51 | 24°36 | n.a. | S 22 |
| S 23 | 0 56 32 | 13°22'20 | 8♐11 | 4°19 | 27°36 | 12°54 | 1°24 | 29° 5 | 8°39 | 13° 6 | 10°36 | 8°D26 | 9°47 | 24°43 | n.a. | S 23 |
| M24 | 1 0 29 | 14°23'32 | 20°25 | 5°20 | 28°51 | 13°41 | 1°35 | 29° 5 | 8°41 | 13° 8 | 10°37 | 8°26 | 9°44 | 24°50 | n.a. | M24 |
| T 25 | 1 4 25 | 15°24'45 | 2♑26 | 6°17 | 0♏ 6 | 14°27 | 1°47 | 29° 6 | 8°43 | 13°10 | 10°38 | 8°27 | 9°41 | 24°56 | n.a. | T 25 |
| W26 | 1 8 22 | 16°25'58 | 14°18 | 7° 9 | 1°21 | 15°14 | 1°58 | 29° 6 | 8°45 | 13°13 | 10°40 | 8°R28 | 9°38 | 25° 3 | n.a. | W26 |
| T 27 | 1 12 19 | 17°27'12 | 26° 7 | 7°55 | 2°36 | 16° 1 | 2° 9 | 29° 7 | 8°47 | 13°15 | 10°41 | 8°28 | 9°35 | 25°10 | n.a. | T 27 |
| F 28 | 1 16 15 | 18°28'26 | 7♒59 | 8°34 | 3°52 | 16°48 | 2°20 | 29° 8 | 8°49 | 13°17 | 10°42 | 8°25 | 9°32 | 25°17 | n.a. | F 28 |
| S 29 | 1 20 12 | 19°29'40 | 19°59 | 9° 6 | 5° 7 | 17°35 | 2°31 | 29° 9 | 8°51 | 13°19 | 10°43 | 8°21 | 9°28 | 25°23 | n.a. | S 29 |
| S 30 | 1 24 8 | 20°30'55 | 2♓10 | 9°30 | 6°22 | 18°21 | 2°42 | 29°10 | 8°52 | 13°22 | 10°44 | 8°14 | 9°25 | 25°30 | n.a. | S 30 |
| M31 | 1 28 5 | 21♎32'10 | 14♓35 | 9♏45 | 7♏37 | 19♏ 8 | 2♍52 | 29♂11 | 8♑54 | 13♎24 | 10♑45 | 8♊ 6 | 9♊22 | 25♂37 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3n38 | 21s44 | 4s24 | 2s47 | 1s14 | 0n40 | 0n42 | 10s50 | 0s39 | 13n59 | 1n18 | 22s39 | 2s 0 | 19n25 | 0n44 | 3s 7 | 2n 0 | 33n29 | 16n 5 | 22n32 | 22n32 | 25s24 | | n.a. |
| S 2 | 3 13 | 18 15 | 4 48 | 3 29 | 1 20 | 0 7 | 0 40 | 11 7 | 0 40 | 13 55 | 1 18 | 22 39 | 2 0 | 19 25 | 0 44 | 3 8 | 2 0 | 33 29 | 16 5 | 22 30 | 22 32 | 25 23 | | n.a. |
| M 3 | 2 49 | 13 56 | 5 0 | 4 10 | 1 26 | 0s25 | 0 38 | 11 24 | 0 40 | 13 50 | 1 18 | 22 39 | 2 0 | 19 24 | 0 44 | 3 9 | 2 0 | 33 28 | 16 6 | 22 28 | 22 31 | 25 23 | | n.a. |
| T 4 | 2 24 | 8 59 | 4 57 | 4 52 | 1 31 | 0 58 | 0 36 | 11 42 | 0 41 | 13 46 | 1 18 | 22 40 | 2 0 | 19 23 | 0 44 | 3 9 | 2 0 | 33 28 | 16 6 | 22 26 | 22 31 | 25 22 | | n.a. |
| W 5 | 2 0 | 3 34 | 4 40 | 5 33 | 1 37 | 1 30 | 0 34 | 11 59 | 0 42 | 13 42 | 1 18 | 22 40 | 2 0 | 19 22 | 0 44 | 3 10 | 2 0 | 33 28 | 16 6 | 22 24 | 22 31 | 25 22 | | n.a. |
| T 6 | 1 35 | 2n 6 | 4 8 | 6 13 | 1 42 | 2 3 | 0 32 | 12 16 | 0 42 | 13 37 | 1 19 | 22 40 | 2 0 | 19 22 | 0 44 | 3 11 | 2 0 | 33 28 | 16 7 | 22 23 | 22 30 | 25 21 | | n.a. |
| F 7 | 1 11 | 7 46 | 3 22 | 6 53 | 1 47 | 2 35 | 0 30 | 12 33 | 0 43 | 13 33 | 1 19 | 22 40 | 1 59 | 19 21 | 0 44 | 3 12 | 2 0 | 33 28 | 16 7 | 22 21 | 22 30 | 25 21 | | n.a. |
| S 8 | 0 46 | 13 10 | 2 25 | 7 33 | 1 52 | 3 7 | 0 27 | 12 50 | 0 43 | 13 29 | 1 19 | 22 41 | 1 59 | 19 20 | 0 44 | 3 13 | 2 0 | 33 28 | 16 8 | 22 20 | 22 29 | 25 20 | | n.a. |
| S 9 | 0 21 | 18 2 | 1 19 | 8 11 | 1 57 | 3 40 | 0 25 | 13 7 | 0 44 | 13 25 | 1 19 | 22 41 | 1 59 | 19 20 | 0 44 | 3 14 | 2 0 | 33 28 | 16 8 | 22 20 | 22 29 | 25 20 | | n.a. |
| M10 | 0s 3 | 22 0 | 0 7 | 8 49 | 2 2 | 4 12 | 0 23 | 13 24 | 0 45 | 13 20 | 1 19 | 22 41 | 1 59 | 19 19 | 0 44 | 3 15 | 2 0 | 33 27 | 16 9 | 22 20 | 22 28 | 25 19 | | n.a. |
| T 11 | 0 28 | 24 46 | 1n 6 | 9 27 | 2 6 | 4 44 | 0 20 | 13 41 | 0 45 | 13 16 | 1 19 | 22 41 | 1 59 | 19 18 | 0 44 | 3 16 | 2 0 | 33 27 | 16 9 | 22 20 | 22 28 | 25 19 | | n.a. |
| W12 | 0 53 | 26 3 | 2 16 | 10 4 | 2 10 | 5 16 | 0 18 | 13 57 | 0 46 | 13 12 | 1 19 | 22 41 | 1 59 | 19 18 | 0 44 | 3 17 | 2 0 | 33 27 | 16 9 | 22 20 | 22 27 | 25 18 | | n.a. |
| T 13 | 1 17 | 25 38 | 3 18 | 10 39 | 2 13 | 5 48 | 0 16 | 14 13 | 0 46 | 13 8 | 1 19 | 22 41 | 1 59 | 19 17 | 0 44 | 3 17 | 2 0 | 33 27 | 16 10 | 22 20 | 22 27 | 25 17 | | n.a. |
| F 14 | 1 42 | 23 33 | 4 9 | 11 14 | 2 17 | 6 20 | 0 13 | 14 30 | 0 47 | 13 4 | 1 20 | 22 41 | 1 59 | 19 16 | 0 44 | 3 18 | 2 0 | 33 27 | 16 10 | 22 19 | 22 26 | 25 17 | | n.a. |
| S 15 | 2 7 | 19 57 | 4 44 | 11 48 | 2 19 | 6 51 | 0 11 | 14 46 | 0 47 | 12 59 | 1 20 | 22 41 | 1 58 | 19 16 | 0 45 | 3 19 | 2 0 | 33 27 | 16 11 | 22 18 | 22 26 | 25 16 | | n.a. |
| S 16 | 2 32 | 15 9 | 5 2 | 12 21 | 2 22 | 7 23 | 0 9 | 15 2 | 0 48 | 12 55 | 1 20 | 22 41 | 1 58 | 19 15 | 0 45 | 3 20 | 2 0 | 33 27 | 16 11 | 22 17 | 22 25 | 25 16 | | n.a. |
| M17 | 2 56 | 9 32 | 5 0 | 12 52 | 2 24 | 7 54 | 0 6 | 15 18 | 0 48 | 12 51 | 1 20 | 22 41 | 1 58 | 19 14 | 0 45 | 3 21 | 2 0 | 33 27 | 16 12 | 22 15 | 22 25 | 25 15 | | n.a. |
| T 18 | 3 21 | 3 28 | 4 40 | 13 22 | 2 25 | 8 25 | 0 4 | 15 34 | 0 49 | 12 47 | 1 20 | 22 41 | 1 58 | 19 14 | 0 45 | 3 22 | 2 0 | 33 27 | 16 12 | 22 14 | 22 24 | 25 15 | | n.a. |
| W19 | 3 45 | 2s40 | 4 3 | 13 51 | 2 26 | 8 56 | 0 1 | 15 49 | 0 49 | 12 43 | 1 20 | 22 41 | 1 58 | 19 13 | 0 45 | 3 23 | 2 0 | 33 27 | 16 13 | 22 12 | 22 24 | 25 14 | | n.a. |
| T 20 | 4 10 | 8 32 | 3 12 | 14 18 | 2 26 | 9 27 | 0s 1 | 16 5 | 0 50 | 12 39 | 1 20 | 22 41 | 1 58 | 19 13 | 0 45 | 3 24 | 2 0 | 33 27 | 16 13 | 22 11 | 22 23 | 25 13 | | n.a. |
| F 21 | 4 34 | 13 53 | 2 13 | 14 43 | 2 26 | 9 57 | 0 4 | 16 20 | 0 50 | 12 35 | 1 21 | 22 40 | 1 58 | 19 12 | 0 45 | 3 25 | 2 0 | 33 27 | 16 14 | 22 10 | 22 23 | 25 13 | | n.a. |
| S 22 | 4 59 | 18 28 | 1 8 | 15 6 | 2 25 | 10 28 | 0 6 | 16 35 | 0 51 | 12 31 | 1 21 | 22 40 | 1 57 | 19 12 | 0 45 | 3 26 | 2 0 | 33 27 | 16 14 | 22 9 | 22 23 | 25 12 | | n.a. |
| S 23 | 5 23 | 22 6 | 0 1 | 15 27 | 2 23 | 10 58 | 0 9 | 16 50 | 0 51 | 12 27 | 1 21 | 22 40 | 1 57 | 19 11 | 0 45 | 3 27 | 2 0 | 33 27 | 16 15 | 22 9 | 22 22 | 25 11 | | n.a. |
| M24 | 5 47 | 24 38 | 1s 4 | 15 45 | 2 20 | 11 27 | 0 11 | 17 5 | 0 52 | 12 23 | 1 21 | 22 40 | 1 57 | 19 11 | 0 45 | 3 27 | 2 0 | 33 28 | 16 15 | 22 9 | 22 22 | 25 11 | | n.a. |
| T 25 | 6 11 | 25 59 | 2 5 | 16 1 | 2 16 | 11 57 | 0 13 | 17 20 | 0 52 | 12 19 | 1 21 | 22 39 | 1 57 | 19 10 | 0 45 | 3 28 | 2 0 | 33 28 | 16 16 | 22 10 | 22 21 | 25 10 | | n.a. |
| W26 | 6 35 | 26 8 | 3 1 | 16 14 | 2 11 | 12 26 | 0 16 | 17 34 | 0 53 | 12 15 | 1 21 | 22 39 | 1 57 | 19 10 | 0 45 | 3 29 | 2 0 | 33 28 | 16 16 | 22 10 | 22 21 | 25 9 | | n.a. |
| T 27 | 6 59 | 25 5 | 3 48 | 16 24 | 2 5 | 12 55 | 0 18 | 17 49 | 0 53 | 12 11 | 1 21 | 22 39 | 1 57 | 19 9 | 0 45 | 3 30 | 2 0 | 33 28 | 16 17 | 22 10 | 22 20 | 25 9 | | n.a. |
| F 28 | 7 23 | 22 54 | 4 26 | 16 30 | 1 58 | 13 23 | 0 21 | 18 3 | 0 54 | 12 7 | 1 22 | 22 39 | 1 57 | 19 9 | 0 45 | 3 31 | 2 0 | 33 28 | 16 17 | 22 9 | 22 20 | 25 8 | | n.a. |
| S 29 | 7 47 | 19 43 | 4 52 | 16 32 | 1 49 | 13 51 | 0 23 | 18 17 | 0 54 | 12 3 | 1 22 | 22 38 | 1 56 | 19 8 | 0 45 | 3 32 | 2 0 | 33 28 | 16 18 | 22 9 | 22 19 | 25 7 | | n.a. |
| S 30 | 8 10 | 15 39 | 5 6 | 16 31 | 1 39 | 14 19 | 0 26 | 18 31 | 0 55 | 12 0 | 1 22 | 22 38 | 1 56 | 19 8 | 0 45 | 3 33 | 2 0 | 33 28 | 16 18 | 22 7 | 22 19 | 25 7 | | n.a. |
| M31 | 8s34 | 10s52 | 5s 6 | 16s25 | 1s28 | 14s46 | 0s28 | 18s44 | 0s55 | 11n56 | 1n22 | 22s37 | 1s56 | 19n 7 | 0n45 | 3s34 | 2n 0 | 33n29 | 16n19 | 22n 6 | 22n18 | 25s 6 | | n.a. |

Julian Day Number = 997770.5, Delta T = 12h54m50s
Ecliptic obliquity = 23°55'24, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'20, Lahiri = -31°16'20 Julian Calendar 1 Oct. 1982 BCE == Greg. Calendar 14 Sept. 1982 BCE

The year -1981 astronomical counting style corresponds to year 1982 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## NOVEMBER 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 32 1 | 22♎33'25 | 27♓18 | 9°R49 | 8♏52 | 19♏55 | 3♍ 3 | 29♑13 | 8♌56 | 13♎26 | 10♌46 | 7°R58 | 9♊19 | 25♑43 | n.a. | T 1 |
| W 2 | 1 35 58 | 23°34'41 | 10♈18 | 9♏43 | 10° 7 | 20°42 | 3°14 | 29°14 | 8°58 | 13°28 | 10°47 | 7♊49 | 9°16 | 25°50 | n.a. | W 2 |
| T 3 | 1 39 54 | 24°35'57 | 23°35 | 9°26 | 11°23 | 21°29 | 3°24 | 29°16 | 8°59 | 13°31 | 10°48 | 7°42 | 9°12 | 25°57 | n.a. | T 3 |
| F 4 | 1 43 51 | 25°37'14 | 7♉ 7 | 8°56 | 12°38 | 22°16 | 3°34 | 29°17 | 9° 1 | 13°33 | 10°49 | 7°37 | 9° 9 | 26° 3 | n.a. | F 4 |
| S 5 | 1 47 48 | 26°38'31 | 20°51 | 8°16 | 13°53 | 23° 3 | 3°45 | 29°19 | 9° 2 | 13°35 | 10°50 | 7°33 | 9° 6 | 26°10 | n.a. | S 5 |
| S 6 | 1 51 44 | 27°39'49 | 4♊45 | 7°24 | 15° 8 | 23°50 | 3°55 | 29°21 | 9° 4 | 13°37 | 10°51 | 7°D32 | 9° 3 | 26°17 | n.a. | S 6 |
| M 7 | 1 55 41 | 28°41'07 | 18°46 | 6°22 | 16°23 | 24°37 | 4° 5 | 29°23 | 9° 5 | 13°39 | 10°52 | 7°32 | 9° 0 | 26°23 | n.a. | M 7 |
| T 8 | 1 59 37 | 29°42'26 | 2♋51 | 5°12 | 17°38 | 25°24 | 4°15 | 29°25 | 9° 6 | 13°42 | 10°53 | 7°34 | 8°57 | 26°30 | n.a. | T 8 |
| W 9 | 2 3 34 | 0♏43'45 | 16°59 | 3°55 | 18°53 | 26°11 | 4°25 | 29°27 | 9° 8 | 13°44 | 10°53 | 7°35 | 8°53 | 26°37 | n.a. | W 9 |
| T 10 | 2 7 30 | 1°45'05 | 1♌ 8 | 2°34 | 20° 8 | 26°59 | 4°35 | 29°30 | 9° 9 | 13°46 | 10°54 | 7°R36 | 8°50 | 26°43 | n.a. | T 10 |
| F 11 | 2 11 27 | 2°46'25 | 15°16 | 1°11 | 21°23 | 27°46 | 4°44 | 29°32 | 9°10 | 13°48 | 10°55 | 7°35 | 8°47 | 26°50 | n.a. | F 11 |
| S 12 | 2 15 24 | 3°47'46 | 29°22 | 29♎51 | 22°38 | 28°33 | 4°54 | 29°34 | 9°11 | 13°50 | 10°55 | 7°33 | 8°44 | 26°57 | n.a. | S 12 |
| S 13 | 2 19 20 | 4°49'07 | 13♍23 | 28°34 | 23°53 | 29°20 | 5° 4 | 29°37 | 9°12 | 13°53 | 10°56 | 7°29 | 8°41 | 27° 4 | n.a. | S 13 |
| M14 | 2 23 17 | 5°50'28 | 27°17 | 27°24 | 25° 8 | 0♐ 7 | 5°13 | 29°40 | 9°13 | 13°55 | 10°57 | 7°24 | 8°37 | 27°10 | n.a. | M14 |
| T 15 | 2 27 13 | 6°51'49 | 11♎ 1 | 26°21 | 26°23 | 0°54 | 5°22 | 29°43 | 9°14 | 13°57 | 10°57 | 7°19 | 8°34 | 27°17 | n.a. | T 15 |
| W16 | 2 31 10 | 7°53'10 | 24°32 | 25°28 | 27°38 | 1°42 | 5°31 | 29°45 | 9°15 | 13°59 | 10°58 | 7°14 | 8°31 | 27°24 | n.a. | W16 |
| T 17 | 2 35 6 | 8°54'32 | 7♏49 | 24°45 | 28°53 | 2°29 | 5°40 | 29°48 | 9°16 | 14° 1 | 10°58 | 7°10 | 8°28 | 27°30 | n.a. | T 17 |
| F 18 | 2 39 3 | 9°55'53 | 20°48 | 24°13 | 0♐ 8 | 3°16 | 5°49 | 29°52 | 9°17 | 14° 3 | 10°59 | 7° 8 | 8°25 | 27°37 | n.a. | F 18 |
| S 19 | 2 43 0 | 10°57'14 | 3♐31 | 23°51 | 1°23 | 4° 3 | 5°58 | 29°55 | 9°17 | 14° 5 | 10°59 | 7°D 6 | 8°22 | 27°44 | n.a. | S 19 |
| S 20 | 2 46 56 | 11°58'34 | 15°57 | 23°39 | 2°38 | 4°51 | 6° 7 | 29°58 | 9°18 | 14° 7 | 11° 0 | 7° 7 | 8°18 | 27°50 | n.a. | S 20 |
| M21 | 2 50 53 | 12°59'55 | 28°10 | 23°D36 | 3°53 | 5°38 | 6°15 | 0♒ 2 | 9°19 | 14° 9 | 11° 0 | 7° 8 | 8°15 | 27°57 | n.a. | M21 |
| T 22 | 2 54 49 | 14° 1'15 | 10♑10 | 23°42 | 5° 7 | 6°25 | 6°24 | 0° 5 | 9°19 | 14°11 | 11° 0 | 7°10 | 8°12 | 28° 4 | n.a. | T 22 |
| W23 | 2 58 46 | 15° 2'34 | 22° 3 | 23°57 | 6°22 | 7°12 | 6°32 | 0° 9 | 9°20 | 14°13 | 11° 0 | 7°12 | 8° 9 | 28°10 | n.a. | W23 |
| T 24 | 3 2 42 | 16° 3'52 | 3♒54 | 24°18 | 7°37 | 8° 0 | 6°40 | 0°12 | 9°20 | 14°15 | 11° 1 | 7°13 | 8° 6 | 28°17 | n.a. | T 24 |
| F 25 | 3 6 39 | 17° 5'10 | 15°46 | 24°47 | 8°52 | 8°47 | 6°48 | 0°16 | 9°21 | 14°17 | 11° 1 | 7°R13 | 8° 3 | 28°24 | n.a. | F 25 |
| S 26 | 3 10 35 | 18° 6'27 | 27°44 | 25°22 | 10° 7 | 9°34 | 6°56 | 0°20 | 9°21 | 14°19 | 11° 1 | 7°13 | 7°59 | 28°31 | n.a. | S 26 |
| S 27 | 3 14 32 | 19° 7'43 | 9♓54 | 26° 2 | 11°21 | 10°22 | 7° 4 | 0°24 | 9°21 | 14°21 | 11° 1 | 7°12 | 7°56 | 28°37 | n.a. | S 27 |
| M28 | 3 18 29 | 20° 8'58 | 22°20 | 26°48 | 12°36 | 11° 9 | 7°12 | 0°28 | 9°21 | 14°23 | 11° 1 | 7°10 | 7°53 | 28°44 | n.a. | M28 |
| T 29 | 3 22 25 | 21°10'13 | 5♈ 6 | 27°37 | 13°51 | 11°56 | 7°19 | 0°32 | 9°21 | 14°25 | 11° 1 | 7° 7 | 7°50 | 28°51 | n.a. | T 29 |
| W30 | 3 26 22 | 22♏11'26 | 18♈12 | 28♎31 | 15♐ 5 | 12♐44 | 7♍26 | 0♒37 | 9♌22 | 14♎27 | 11°R 1 | 7♊ 5 | 7♊47 | 28♑57 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8s57 | 5s31 | 4s51 | 16s14 | 1s15 | 15s13 | 0s31 | 18s58 | 0s55 | 11n52 | 1n22 | 22s37 | 1s56 | 19n 7 | 0n45 | 3s35 | 2n 0 | 33n29 | 16n19 | 22n 5 | 22n18 | 25s 5 | | n.a. |
| W 2 | 9 20 | 0n11 | 4 20 | 15 58 | 1 0 | 15 40 | 0 33 | 19 11 | 0 56 | 11 48 | 1 23 | 22 37 | 1 56 | 19 6 | 0 45 | 3 35 | 2 0 | 33 29 | 16 20 | 22 3 | 22 17 | 25 5 | | n.a. |
| T 3 | 9 43 | 6 1 | 3 35 | 15 37 | 0 44 | 16 6 | 0 35 | 19 24 | 0 56 | 11 45 | 1 23 | 22 36 | 1 56 | 19 6 | 0 45 | 3 36 | 2 0 | 33 29 | 16 21 | 22 2 | 22 17 | 25 4 | | n.a. |
| F 4 | 10 6 | 11 41 | 2 37 | 15 11 | 0 27 | 16 32 | 0 38 | 19 37 | 0 57 | 11 41 | 1 23 | 22 36 | 1 56 | 19 6 | 0 45 | 3 37 | 2 0 | 33 30 | 16 21 | 22 1 | 22 16 | 25 3 | | n.a. |
| S 5 | 10 29 | 16 54 | 1 29 | 14 41 | 0 8 | 16 58 | 0 40 | 19 50 | 0 57 | 11 37 | 1 23 | 22 35 | 1 55 | 19 5 | 0 45 | 3 38 | 2 0 | 33 30 | 16 22 | 22 1 | 22 16 | 25 3 | | n.a. |
| S 6 | 10 51 | 21 16 | 0 15 | 14 5 | 0n11 | 17 23 | 0 42 | 20 2 | 0 57 | 11 34 | 1 23 | 22 35 | 1 55 | 19 5 | 0 45 | 3 39 | 2 0 | 33 30 | 16 22 | 22 0 | 22 15 | 25 2 | | n.a. |
| M 7 | 11 13 | 24 27 | 1n 1 | 13 25 | 0 31 | 17 47 | 0 45 | 20 14 | 0 58 | 11 30 | 1 23 | 22 34 | 1 55 | 19 5 | 0 45 | 3 40 | 2 0 | 33 30 | 16 23 | 22 1 | 22 15 | 25 1 | | n.a. |
| T 8 | 11 36 | 26 7 | 2 13 | 12 42 | 0 52 | 18 11 | 0 47 | 20 26 | 0 58 | 11 26 | 1 24 | 22 33 | 1 55 | 19 4 | 0 46 | 3 41 | 2 0 | 33 31 | 16 23 | 22 1 | 22 14 | 25 0 | | n.a. |
| W 9 | 11 58 | 26 6 | 3 18 | 11 57 | 1 12 | 18 34 | 0 49 | 20 38 | 0 59 | 11 23 | 1 24 | 22 33 | 1 55 | 19 4 | 0 46 | 3 41 | 2 0 | 33 31 | 16 24 | 22 1 | 22 14 | 25 0 | | n.a. |
| T 10 | 12 19 | 24 23 | 4 11 | 11 11 | 1 31 | 18 57 | 0 51 | 20 50 | 0 59 | 11 20 | 1 24 | 22 32 | 1 55 | 19 4 | 0 46 | 3 42 | 2 0 | 33 31 | 16 25 | 22 1 | 22 13 | 24 59 | | n.a. |
| F 11 | 12 41 | 21 10 | 4 49 | 10 25 | 1 50 | 19 20 | 0 54 | 21 1 | 0 59 | 11 16 | 1 24 | 22 31 | 1 55 | 19 3 | 0 46 | 3 43 | 2 0 | 33 32 | 16 25 | 22 1 | 22 13 | 24 58 | | n.a. |
| S 12 | 13 2 | 16 44 | 5 9 | 9 41 | 2 6 | 19 42 | 0 56 | 21 12 | 1 0 | 11 13 | 1 24 | 22 31 | 1 54 | 19 3 | 0 46 | 3 44 | 2 0 | 33 32 | 16 26 | 22 1 | 22 12 | 24 57 | | n.a. |
| S 13 | 13 23 | 11 25 | 5 10 | 8 59 | 2 21 | 20 3 | 0 58 | 21 23 | 1 0 | 11 9 | 1 25 | 22 30 | 1 54 | 19 3 | 0 46 | 3 45 | 2 0 | 33 32 | 16 26 | 22 0 | 22 12 | 24 57 | | n.a. |
| M14 | 13 44 | 5 34 | 4 53 | 8 22 | 2 34 | 20 24 | 1 0 | 21 34 | 1 0 | 11 6 | 1 25 | 22 29 | 1 54 | 19 3 | 0 46 | 3 46 | 2 0 | 33 33 | 16 27 | 21 59 | 22 11 | 24 56 | | n.a. |
| T 15 | 14 5 | 0s28 | 4 20 | 7 50 | 2 44 | 20 44 | 1 2 | 21 45 | 1 1 | 11 3 | 1 25 | 22 29 | 1 54 | 19 2 | 0 46 | 3 46 | 2 0 | 33 33 | 16 27 | 21 58 | 22 11 | 24 55 | | n.a. |
| W16 | 14 25 | 6 25 | 3 32 | 7 23 | 2 52 | 21 4 | 1 4 | 21 55 | 1 1 | 10 59 | 1 25 | 22 28 | 1 54 | 19 2 | 0 46 | 3 47 | 2 0 | 33 33 | 16 28 | 21 57 | 22 10 | 24 54 | | n.a. |
| T 17 | 14 45 | 11 59 | 2 34 | 7 2 | 2 58 | 21 23 | 1 6 | 22 5 | 1 1 | 10 56 | 1 26 | 22 27 | 1 54 | 19 2 | 0 46 | 3 48 | 2 0 | 33 34 | 16 29 | 21 57 | 22 10 | 24 53 | | n.a. |
| F 18 | 15 5 | 16 54 | 1 28 | 6 46 | 3 2 | 21 42 | 1 8 | 22 14 | 1 2 | 10 53 | 1 26 | 22 26 | 1 54 | 19 2 | 0 46 | 3 49 | 2 0 | 33 34 | 16 29 | 21 56 | 22 9 | 24 53 | | n.a. |
| S 19 | 15 25 | 20 58 | 0 20 | 6 36 | 3 4 | 21 59 | 1 10 | 22 24 | 1 2 | 10 50 | 1 26 | 22 25 | 1 53 | 19 2 | 0 46 | 3 50 | 2 0 | 33 35 | 16 30 | 21 56 | 22 9 | 24 52 | | n.a. |
| S 20 | 15 44 | 23 58 | 0s49 | 6 31 | 3 4 | 22 17 | 1 12 | 22 33 | 1 2 | 10 47 | 1 26 | 22 25 | 1 53 | 19 2 | 0 46 | 3 50 | 2 0 | 33 35 | 16 30 | 21 56 | 22 8 | 24 51 | | n.a. |
| M21 | 16 3 | 25 48 | 1 53 | 6 31 | 3 3 | 22 33 | 1 13 | 22 42 | 1 2 | 10 44 | 1 26 | 22 24 | 1 53 | 19 2 | 0 46 | 3 51 | 2 0 | 33 35 | 16 31 | 21 56 | 22 8 | 24 50 | | n.a. |
| T 22 | 16 22 | 26 23 | 2 52 | 6 36 | 3 1 | 22 49 | 1 15 | 22 51 | 1 3 | 10 41 | 1 27 | 22 23 | 1 53 | 19 1 | 0 46 | 3 52 | 2 0 | 33 36 | 16 31 | 21 57 | 22 7 | 24 49 | | n.a. |
| W23 | 16 41 | 25 44 | 3 43 | 6 44 | 2 57 | 23 4 | 1 17 | 22 59 | 1 3 | 10 38 | 1 27 | 22 22 | 1 53 | 19 1 | 0 46 | 3 53 | 2 0 | 33 36 | 16 32 | 21 57 | 22 7 | 24 48 | | n.a. |
| T 24 | 16 59 | 23 56 | 4 24 | 6 56 | 2 53 | 23 19 | 1 19 | 23 8 | 1 3 | 10 35 | 1 27 | 22 21 | 1 53 | 19 1 | 0 46 | 3 54 | 2 0 | 33 37 | 16 33 | 21 57 | 22 6 | 24 47 | | n.a. |
| F 25 | 17 17 | 21 6 | 4 54 | 7 12 | 2 47 | 23 33 | 1 20 | 23 15 | 1 4 | 10 32 | 1 27 | 22 20 | 1 53 | 19 1 | 0 46 | 3 54 | 2 0 | 33 37 | 16 33 | 21 57 | 22 6 | 24 47 | | n.a. |
| S 26 | 17 34 | 17 21 | 5 11 | 7 30 | 2 42 | 23 46 | 1 22 | 23 23 | 1 4 | 10 30 | 1 28 | 22 19 | 1 52 | 19 1 | 0 46 | 3 55 | 2 0 | 33 38 | 16 34 | 21 57 | 22 5 | 24 46 | | n.a. |
| S 27 | 17 51 | 12 51 | 5 15 | 7 51 | 2 35 | 23 58 | 1 23 | 23 31 | 1 4 | 10 27 | 1 28 | 22 18 | 1 52 | 19 1 | 0 46 | 3 56 | 2 0 | 33 38 | 16 34 | 21 57 | 22 4 | 24 45 | | n.a. |
| M28 | 18 8 | 7 45 | 5 5 | 8 14 | 2 28 | 24 10 | 1 25 | 23 38 | 1 4 | 10 24 | 1 28 | 22 17 | 1 52 | 19 1 | 0 46 | 3 57 | 2 0 | 33 39 | 16 35 | 21 57 | 22 4 | 24 44 | | n.a. |
| T 29 | 18 25 | 2 12 | 4 39 | 8 39 | 2 21 | 24 21 | 1 26 | 23 44 | 1 4 | 10 22 | 1 28 | 22 16 | 1 52 | 19 1 | 0 47 | 3 57 | 2 0 | 33 39 | 16 36 | 21 56 | 22 3 | 24 43 | | n.a. |
| W30 | 18s41 | 3n37 | 3s58 | 9s 5 | 2n14 | 24s31 | 1s27 | 23s51 | 1s 5 | 10n19 | 1n29 | 22s15 | 1s52 | 19n 1 | 0n47 | 3s58 | 2n 0 | 33n40 | 16n36 | 21n56 | 22n 3 | 24s42 | | n.a. |

Julian Day Number = 997801.5, Delta T = 12h54m48s
Ecliptic obliquity = 23°55'24, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'16, Lahiri = -31°16'16 Julian Calendar 1 Nov. 1982 BCE == Greg. Calendar 15 Oct. 1982 BCE


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# ASTRODIENST EPHEMERIS for the year 1982 BCE
# geocentric

## DECEMBER 1982 BCE (-1981) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 30 18 | 23♏12'39 | 1♉41 | 29♎28 | 16♐20 | 13♐31 | 7♍34 | 0♒41 | 9°R22 | 14♎29 | 11°R 1 | 7°R 3 | 7♊43 | 29♑ 4 | n.a. | T 1 |
| F 2 | 3 34 15 | 24°13'51 | 15°32 | 0♏29 | 17°35 | 14°18 | 7°41 | 0°45 | 9♌22 | 14°31 | 11♌ 1 | 7♊ 2 | 7°40 | 29°11 | n.a. | F 2 |
| S 3 | 3 38 11 | 25°15'02 | 29°40 | 1°32 | 18°49 | 15° 5 | 7°48 | 0°50 | 9°22 | 14°33 | 11° 1 | 7° 1 | 7°37 | 29°17 | n.a. | S 3 |
| S 4 | 3 42 8 | 26°16'13 | 14♊ 2 | 2°38 | 20° 4 | 15°53 | 7°54 | 0°54 | 9°21 | 14°34 | 11° 1 | 7°D 1 | 7°34 | 29°24 | n.a. | S 4 |
| M 5 | 3 46 5 | 27°17'23 | 28°33 | 3°47 | 21°18 | 16°40 | 8° 1 | 0°59 | 9°21 | 14°36 | 11° 1 | 7° 2 | 7°31 | 29°31 | n.a. | M 5 |
| T 6 | 3 50 1 | 28°18'32 | 13♋ 6 | 4°57 | 22°33 | 17°27 | 8° 8 | 1° 4 | 9°21 | 14°38 | 11° 1 | 7° 2 | 7°28 | 29°37 | n.a. | T 6 |
| W 7 | 3 53 58 | 29°19'40 | 27°37 | 6° 9 | 23°47 | 18°15 | 8°14 | 1° 9 | 9°21 | 14°40 | 11° 1 | 7° 3 | 7°24 | 29°44 | n.a. | W 7 |
| T 8 | 3 57 54 | 0♑20'48 | 12♌ 0 | 7°23 | 25° 2 | 19° 2 | 8°20 | 1°14 | 9°20 | 14°42 | 11° 1 | 7° 4 | 7°21 | 29°51 | n.a. | T 8 |
| F 9 | 4 1 51 | 1°21'55 | 26°13 | 8°39 | 26°16 | 19°49 | 8°26 | 1°19 | 9°20 | 14°43 | 11° 0 | 7°R 4 | 7°18 | 29°58 | n.a. | F 9 |
| S 10 | 4 5 47 | 2°23'01 | 10♍14 | 9°56 | 27°31 | 20°36 | 8°32 | 1°24 | 9°19 | 14°45 | 11° 0 | 7° 4 | 7°15 | 0♒ 4 | n.a. | S 10 |
| S 11 | 4 9 44 | 3°24'07 | 24° 0 | 11°15 | 28°45 | 21°24 | 8°38 | 1°29 | 9°19 | 14°47 | 11° 0 | 7° 4 | 7°12 | 0°11 | n.a. | S 11 |
| M12 | 4 13 41 | 4°25'11 | 7♎33 | 12°34 | 29°59 | 22°11 | 8°44 | 1°34 | 9°18 | 14°48 | 10°59 | 7° 3 | 7° 9 | 0°18 | n.a. | M12 |
| T 13 | 4 17 37 | 5°26'15 | 20°51 | 13°55 | 1♑14 | 22°58 | 8°49 | 1°39 | 9°18 | 14°50 | 10°59 | 7° 3 | 7° 5 | 0°24 | n.a. | T 13 |
| W14 | 4 21 34 | 6°27'18 | 3♏56 | 15°17 | 2°28 | 23°45 | 8°54 | 1°45 | 9°17 | 14°51 | 10°58 | 7° 3 | 7° 2 | 0°31 | n.a. | W14 |
| T 15 | 4 25 30 | 7°28'19 | 16°47 | 16°40 | 3°42 | 24°33 | 8°59 | 1°50 | 9°16 | 14°53 | 10°58 | 7°D 3 | 6°59 | 0°38 | n.a. | T 15 |
| F 16 | 4 29 27 | 8°29'20 | 29°26 | 18° 5 | 4°57 | 25°20 | 9° 4 | 1°56 | 9°16 | 14°55 | 10°57 | 7° 3 | 6°56 | 0°44 | n.a. | F 16 |
| S 17 | 4 33 23 | 9°30'20 | 11♐53 | 19°30 | 6°11 | 26° 7 | 9° 9 | 2° 1 | 9°15 | 14°56 | 10°57 | 7°R 3 | 6°53 | 0°51 | n.a. | S 17 |
| S 18 | 4 37 20 | 10°31'18 | 24° 8 | 20°56 | 7°25 | 26°54 | 9°14 | 2° 7 | 9°14 | 14°58 | 10°56 | 7° 3 | 6°49 | 0°58 | n.a. | S 18 |
| M19 | 4 41 16 | 11°32'14 | 6♑14 | 22°22 | 8°39 | 27°41 | 9°18 | 2°13 | 9°13 | 14°59 | 10°56 | 7° 3 | 6°46 | 1° 5 | n.a. | M19 |
| T 20 | 4 45 13 | 12°33'10 | 18°12 | 23°50 | 9°53 | 28°29 | 9°22 | 2°19 | 9°12 | 15° 0 | 10°55 | 7° 2 | 6°43 | 1°11 | n.a. | T 20 |
| W21 | 4 49 10 | 13°34'03 | 0♒ 4 | 25°19 | 11° 7 | 29°16 | 9°26 | 2°24 | 9°11 | 15° 2 | 10°54 | 7° 1 | 6°40 | 1°18 | n.a. | W21 |
| T 22 | 4 53 6 | 14°34'56 | 11°54 | 26°48 | 12°21 | 0♑ 3 | 9°30 | 2°30 | 9°10 | 15° 3 | 10°54 | 7° 0 | 6°37 | 1°25 | n.a. | T 22 |
| F 23 | 4 57 3 | 15°35'46 | 23°46 | 28°18 | 13°35 | 0°50 | 9°34 | 2°36 | 9° 9 | 15° 5 | 10°53 | 6°59 | 6°34 | 1°31 | n.a. | F 23 |
| S 24 | 5 0 59 | 16°36'34 | 5♓43 | 29°49 | 14°49 | 1°37 | 9°38 | 2°42 | 9° 7 | 15° 6 | 10°52 | 6°58 | 6°30 | 1°38 | n.a. | S 24 |
| S 25 | 5 4 56 | 17°37'21 | 17°50 | 1♐21 | 16° 3 | 2°24 | 9°41 | 2°49 | 9° 6 | 15° 7 | 10°51 | 6°D58 | 6°27 | 1°45 | n.a. | S 25 |
| M26 | 5 8 52 | 18°38'06 | 0♈12 | 2°54 | 17°17 | 3°11 | 9°44 | 2°55 | 9° 5 | 15° 8 | 10°51 | 6°58 | 6°24 | 1°51 | n.a. | M26 |
| T 27 | 5 12 49 | 19°38'49 | 12°53 | 4°27 | 18°31 | 3°58 | 9°47 | 3° 1 | 9° 3 | 15°10 | 10°50 | 6°59 | 6°21 | 1°58 | n.a. | T 27 |
| W28 | 5 16 45 | 20°39'30 | 25°56 | 6° 1 | 19°45 | 4°45 | 9°50 | 3° 7 | 9° 2 | 15°11 | 10°49 | 7° 0 | 6°18 | 2° 5 | n.a. | W28 |
| T 29 | 5 20 42 | 21°40'09 | 9♉25 | 7°36 | 20°58 | 5°32 | 9°53 | 3°14 | 9° 1 | 15°12 | 10°48 | 7° 2 | 6°15 | 2°12 | n.a. | T 29 |
| F 30 | 5 24 39 | 22°40'47 | 23°21 | 9°12 | 22°12 | 6°19 | 9°55 | 3°20 | 8°59 | 15°13 | 10°47 | 7° 3 | 6°11 | 2°18 | n.a. | F 30 |
| S 31 | 5 28 35 | 23♐41'23 | 7♊41 | 10♐49 | 23♑26 | 7♑ 6 | 9♍57 | 3♒27 | 8♌58 | 15♎14 | 10♌46 | 7°R 3 | 6♊ 8 | 2♒25 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 18s57 | 9n26 | 3s 3 | 9s33 | 2n 6 | 24s40 | 1s29 | 23s57 | 1s 5 | 10n16 | 1n29 | 22s14 | 1s52 | 19n 1 | 0n47 | 3s59 | 2n 0 | 33n41 | 16n37 | 21n56 | 22n 2 | 24s41 | | | n.a. |
| F 2 | 19 13 | 14 58 | 1 56 | 10 2 | 1 58 | 24 49 | 1 30 | 24 3 | 1 5 | 10 14 | 1 29 | 22 13 | 1 52 | 19 1 | 0 47 | 3 59 | 2 0 | 33 41 | 16 37 | 21 55 | 22 2 | 24 40 | | | n.a. |
| S 3 | 19 28 | 19 50 | 0 41 | 10 32 | 1 50 | 24 57 | 1 31 | 24 9 | 1 5 | 10 12 | 1 29 | 22 11 | 1 52 | 19 1 | 0 47 | 4 0 | 2 0 | 33 42 | 16 38 | 21 55 | 22 1 | 24 39 | | | n.a. |
| S 4 | 19 43 | 23 35 | 0n39 | 11 3 | 1 41 | 25 4 | 1 32 | 24 15 | 1 5 | 10 9 | 1 30 | 22 10 | 1 52 | 19 1 | 0 47 | 4 1 | 2 0 | 33 42 | 16 38 | 21 55 | 22 1 | 24 39 | | | n.a. |
| M 5 | 19 57 | 25 51 | 1 57 | 11 34 | 1 33 | 25 11 | 1 33 | 24 20 | 1 6 | 10 7 | 1 30 | 22 9 | 1 51 | 19 1 | 0 47 | 4 1 | 2 0 | 33 43 | 16 39 | 21 55 | 22 0 | 24 38 | | | n.a. |
| T 6 | 20 11 | 26 22 | 3 7 | 12 6 | 1 25 | 25 16 | 1 34 | 24 25 | 1 6 | 10 5 | 1 30 | 22 8 | 1 51 | 19 2 | 0 47 | 4 2 | 2 1 | 33 43 | 16 40 | 21 55 | 22 0 | 24 37 | | | n.a. |
| W 7 | 20 25 | 25 4 | 4 5 | 12 38 | 1 16 | 25 21 | 1 35 | 24 29 | 1 6 | 10 3 | 1 30 | 22 7 | 1 51 | 19 2 | 0 47 | 4 3 | 2 1 | 33 44 | 16 40 | 21 56 | 21 59 | 24 36 | | | n.a. |
| T 8 | 20 38 | 22 8 | 4 48 | 13 11 | 1 8 | 25 25 | 1 36 | 24 34 | 1 6 | 10 0 | 1 31 | 22 6 | 1 51 | 19 2 | 0 47 | 4 3 | 2 1 | 33 45 | 16 41 | 21 56 | 21 59 | 24 35 | | | n.a. |
| F 9 | 20 51 | 17 54 | 5 12 | 13 44 | 1 0 | 25 29 | 1 37 | 24 38 | 1 6 | 9 58 | 1 31 | 22 4 | 1 51 | 19 2 | 0 47 | 4 4 | 2 1 | 33 45 | 16 41 | 21 56 | 21 58 | 24 34 | | | n.a. |
| S 10 | 21 3 | 12 45 | 5 17 | 14 17 | 0 52 | 25 31 | 1 37 | 24 41 | 1 6 | 9 56 | 1 31 | 22 3 | 1 51 | 19 2 | 0 47 | 4 5 | 2 1 | 33 46 | 16 42 | 21 56 | 21 58 | 24 33 | | | n.a. |
| S 11 | 21 16 | 7 3 | 5 4 | 14 49 | 0 43 | 25 33 | 1 38 | 24 45 | 1 7 | 9 54 | 1 32 | 22 2 | 1 51 | 19 2 | 0 47 | 4 5 | 2 1 | 33 46 | 16 42 | 21 56 | 21 57 | 24 32 | | | n.a. |
| M12 | 21 27 | 1 7 | 4 34 | 15 22 | 0 35 | 25 34 | 1 39 | 24 48 | 1 7 | 9 53 | 1 32 | 22 1 | 1 51 | 19 3 | 0 47 | 4 6 | 2 1 | 33 47 | 16 43 | 21 56 | 21 57 | 24 31 | | | n.a. |
| T 13 | 21 39 | 4s46 | 3 49 | 15 54 | 0 27 | 25 34 | 1 39 | 24 51 | 1 7 | 9 51 | 1 32 | 21 59 | 1 51 | 19 3 | 0 47 | 4 6 | 2 1 | 33 48 | 16 43 | 21 56 | 21 56 | 24 30 | | | n.a. |
| W14 | 21 49 | 10 22 | 2 54 | 16 27 | 0 19 | 25 33 | 1 39 | 24 53 | 1 7 | 9 49 | 1 32 | 21 58 | 1 50 | 19 3 | 0 47 | 4 7 | 2 1 | 33 48 | 16 44 | 21 56 | 21 55 | 24 29 | | | n.a. |
| T 15 | 22 0 | 15 26 | 1 50 | 16 59 | 0 11 | 25 32 | 1 40 | 24 55 | 1 7 | 9 47 | 1 33 | 21 57 | 1 50 | 19 3 | 0 47 | 4 8 | 2 1 | 33 49 | 16 45 | 21 56 | 21 55 | 24 28 | | | n.a. |
| F 16 | 22 10 | 19 45 | 0 42 | 17 30 | 0 4 | 25 30 | 1 40 | 24 57 | 1 7 | 9 46 | 1 33 | 21 55 | 1 50 | 19 3 | 0 47 | 4 8 | 2 1 | 33 50 | 16 45 | 21 56 | 21 54 | 24 27 | | | n.a. |
| S 17 | 22 19 | 23 7 | 0s27 | 18 1 | 0s 4 | 25 27 | 1 40 | 24 59 | 1 7 | 9 44 | 1 33 | 21 54 | 1 50 | 19 4 | 0 47 | 4 9 | 2 1 | 33 50 | 16 46 | 21 56 | 21 54 | 24 26 | | | n.a. |
| S 18 | 22 29 | 25 21 | 1 33 | 18 32 | 0 11 | 25 23 | 1 40 | 25 0 | 1 7 | 9 43 | 1 34 | 21 52 | 1 50 | 19 4 | 0 47 | 4 9 | 2 1 | 33 51 | 16 46 | 21 56 | 21 53 | 24 25 | | | n.a. |
| M19 | 22 37 | 26 21 | 2 35 | 19 2 | 0 19 | 25 18 | 1 40 | 25 2 | 1 7 | 9 41 | 1 34 | 21 51 | 1 50 | 19 4 | 0 47 | 4 10 | 2 1 | 33 52 | 16 47 | 21 55 | 21 53 | 24 24 | | | n.a. |
| T 20 | 22 46 | 26 6 | 3 29 | 19 31 | 0 26 | 25 13 | 1 40 | 25 2 | 1 7 | 9 40 | 1 34 | 21 49 | 1 50 | 19 5 | 0 47 | 4 10 | 2 1 | 33 52 | 16 47 | 21 55 | 21 52 | 24 23 | | | n.a. |
| W21 | 22 53 | 24 40 | 4 14 | 20 0 | 0 33 | 25 7 | 1 40 | 25 3 | 1 8 | 9 38 | 1 34 | 21 48 | 1 50 | 19 5 | 0 47 | 4 11 | 2 1 | 33 53 | 16 48 | 21 55 | 21 52 | 24 22 | | | n.a. |
| T 22 | 23 1 | 22 9 | 4 47 | 20 28 | 0 39 | 25 0 | 1 40 | 25 3 | 1 8 | 9 37 | 1 35 | 21 47 | 1 50 | 19 5 | 0 48 | 4 11 | 2 1 | 33 54 | 16 48 | 21 55 | 21 51 | 24 21 | | | n.a. |
| F 23 | 23 8 | 18 42 | 5 8 | 20 56 | 0 46 | 24 52 | 1 40 | 25 3 | 1 8 | 9 36 | 1 35 | 21 45 | 1 50 | 19 6 | 0 48 | 4 12 | 2 1 | 33 55 | 16 49 | 21 55 | 21 51 | 24 20 | | | n.a. |
| S 24 | 23 14 | 14 29 | 5 17 | 21 22 | 0 52 | 24 44 | 1 40 | 25 2 | 1 8 | 9 35 | 1 35 | 21 44 | 1 50 | 19 6 | 0 48 | 4 12 | 2 1 | 33 55 | 16 49 | 21 55 | 21 50 | 24 19 | | | n.a. |
| S 25 | 23 20 | 9 39 | 5 11 | 21 48 | 0 58 | 24 35 | 1 39 | 25 2 | 1 8 | 9 34 | 1 36 | 21 42 | 1 50 | 19 6 | 0 48 | 4 13 | 2 1 | 33 56 | 16 50 | 21 55 | 21 49 | 24 18 | | | n.a. |
| M26 | 23 26 | 4 21 | 4 51 | 22 12 | 1 4 | 24 25 | 1 39 | 25 1 | 1 8 | 9 33 | 1 36 | 21 41 | 1 49 | 19 7 | 0 48 | 4 13 | 2 2 | 33 57 | 16 50 | 21 55 | 21 49 | 24 16 | | | n.a. |
| T 27 | 23 31 | 1n15 | 4 17 | 22 36 | 1 10 | 24 14 | 1 38 | 24 59 | 1 8 | 9 32 | 1 36 | 21 39 | 1 49 | 19 7 | 0 48 | 4 13 | 2 2 | 33 57 | 16 51 | 21 55 | 21 48 | 24 15 | | | n.a. |
| W28 | 23 35 | 6 59 | 3 28 | 22 59 | 1 15 | 24 3 | 1 38 | 24 58 | 1 8 | 9 31 | 1 37 | 21 37 | 1 49 | 19 8 | 0 48 | 4 14 | 2 2 | 33 58 | 16 51 | 21 55 | 21 48 | 24 14 | | | n.a. |
| T 29 | 23 39 | 12 36 | 2 27 | 23 20 | 1 20 | 23 51 | 1 37 | 24 56 | 1 8 | 9 30 | 1 37 | 21 36 | 1 49 | 19 8 | 0 48 | 4 14 | 2 2 | 33 59 | 16 52 | 21 55 | 21 47 | 24 13 | | | n.a. |
| F 30 | 23 43 | 17 46 | 1 15 | 23 41 | 1 25 | 23 38 | 1 36 | 24 54 | 1 8 | 9 30 | 1 37 | 21 34 | 1 49 | 19 8 | 0 48 | 4 15 | 2 2 | 34 0 | 16 52 | 21 55 | 21 47 | 24 12 | | | n.a. |
| S 31 | 23s46 | 22n 5 | 0n 3 | 24s 0 | 1s30 | 23s24 | 1s35 | 24s51 | 1s 8 | 9n29 | 1n37 | 21s33 | 1s49 | 19n 9 | 0n48 | 4s15 | 2n 2 | 34n 0 | 16n53 | 21n56 | 21n46 | 24s11 | | | n.a. |

Julian Day Number = 997831.5, Delta T = 12h54m46s
Ecliptic obliquity = 23°55'24, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'12, Lahiri = -31°16'12 Julian Calendar 1 Dec. 1982 BCE == Greg. Calendar 14 Nov. 1982 BCE

The year -1981 astronomical counting style corresponds to year 1982 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## JANUARY 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 32 32 | 24♐41'56 | 22♊22 | 12♐26 | 24♑39 | 7♑53 | 10♍ 0 | 3♒33 | 8°R56 | 15♎15 | 10°R45 | 7°R 2 | 6♊ 5 | 2♒32 | n.a. | S 1 |
| M 2 | 5 36 28 | 25°42'29 | 7♋17 | 14° 5 | 25°53 | 8°40 | 10° 1 | 3°40 | 8♌54 | 15°16 | 10♌44 | 7♊ 1 | 6° 2 | 2°38 | n.a. | M 2 |
| T 3 | 5 40 25 | 26°42'59 | 22°18 | 15°44 | 27° 6 | 9°27 | 10° 3 | 3°46 | 8°53 | 15°17 | 10°43 | 6°59 | 5°59 | 2°45 | n.a. | T 3 |
| W 4 | 5 44 21 | 27°43'28 | 7♌16 | 17°24 | 28°20 | 10°13 | 10° 5 | 3°53 | 8°51 | 15°18 | 10°42 | 6°56 | 5°55 | 2°52 | n.a. | W 4 |
| T 5 | 5 48 18 | 28°43'55 | 22° 3 | 19° 5 | 29°33 | 11° 0 | 10° 6 | 4° 0 | 8°49 | 15°19 | 10°41 | 6°53 | 5°52 | 2°58 | n.a. | T 5 |
| F 6 | 5 52 15 | 29°44'21 | 6♍33 | 20°47 | 0♒46 | 11°47 | 10° 7 | 4° 6 | 8°48 | 15°20 | 10°40 | 6°51 | 5°49 | 3° 5 | n.a. | F 6 |
| S 7 | 5 56 11 | 0♑44'44 | 20°42 | 22°30 | 2° 0 | 12°34 | 10° 8 | 4°13 | 8°46 | 15°21 | 10°39 | 6°49 | 5°46 | 3°12 | n.a. | S 7 |
| S 8 | 6 0 8 | 1°45'07 | 4♎28 | 24°14 | 3°13 | 13°20 | 10° 9 | 4°20 | 8°44 | 15°22 | 10°37 | 6°D49 | 5°43 | 3°19 | n.a. | S 8 |
| M 9 | 6 4 4 | 2°45'27 | 17°52 | 25°59 | 4°26 | 14° 7 | 10°10 | 4°27 | 8°42 | 15°23 | 10°36 | 6°50 | 5°40 | 3°25 | n.a. | M 9 |
| T 10 | 6 8 1 | 3°45'46 | 0♏56 | 27°45 | 5°39 | 14°54 | 10°10 | 4°34 | 8°40 | 15°24 | 10°35 | 6°51 | 5°36 | 3°32 | n.a. | T 10 |
| W11 | 6 11 57 | 4°46'04 | 13°43 | 29°32 | 6°52 | 15°40 | 10°10 | 4°41 | 8°38 | 15°25 | 10°34 | 6°53 | 5°33 | 3°39 | n.a. | W11 |
| T 12 | 6 15 54 | 5°46'19 | 26°15 | 1♑19 | 8° 5 | 16°27 | 10°R11 | 4°48 | 8°36 | 15°25 | 10°32 | 6°54 | 5°30 | 3°45 | n.a. | T 12 |
| F 13 | 6 19 50 | 6°46'33 | 8♐36 | 3° 8 | 9°18 | 17°13 | 10°10 | 4°55 | 8°34 | 15°26 | 10°31 | 6°R55 | 5°27 | 3°52 | n.a. | F 13 |
| S 14 | 6 23 47 | 7°46'45 | 20°47 | 4°58 | 10°31 | 18° 0 | 10°10 | 5° 2 | 8°32 | 15°27 | 10°30 | 6°54 | 5°24 | 3°59 | n.a. | S 14 |
| S 15 | 6 27 44 | 8°46'56 | 2♑50 | 6°49 | 11°44 | 18°47 | 10°10 | 5° 9 | 8°30 | 15°27 | 10°29 | 6°51 | 5°21 | 4° 5 | n.a. | S 15 |
| M16 | 6 31 40 | 9°47'04 | 14°48 | 8°40 | 12°57 | 19°33 | 10° 9 | 5°16 | 8°28 | 15°28 | 10°27 | 6°47 | 5°17 | 4°12 | n.a. | M16 |
| T 17 | 6 35 37 | 10°47'10 | 26°41 | 10°33 | 14° 9 | 20°19 | 10° 8 | 5°24 | 8°25 | 15°28 | 10°26 | 6°41 | 5°14 | 4°19 | n.a. | T 17 |
| W18 | 6 39 33 | 11°47'14 | 8♒32 | 12°27 | 15°22 | 21° 6 | 10° 7 | 5°31 | 8°23 | 15°29 | 10°24 | 6°35 | 5°11 | 4°26 | n.a. | W18 |
| T 19 | 6 43 30 | 12°47'15 | 20°23 | 14°21 | 16°35 | 21°52 | 10° 6 | 5°38 | 8°21 | 15°29 | 10°23 | 6°28 | 5° 8 | 4°32 | n.a. | T 19 |
| F 20 | 6 47 26 | 13°47'15 | 2♓16 | 16°16 | 17°47 | 22°39 | 10° 4 | 5°45 | 8°19 | 15°30 | 10°22 | 6°21 | 5° 5 | 4°39 | n.a. | F 20 |
| S 21 | 6 51 23 | 14°47'12 | 14°13 | 18°12 | 18°59 | 23°25 | 10° 2 | 5°53 | 8°16 | 15°30 | 10°20 | 6°16 | 5° 1 | 4°46 | n.a. | S 21 |
| S 22 | 6 55 19 | 15°47'06 | 26°19 | 20° 9 | 20°12 | 24°11 | 10° 1 | 6° 0 | 8°14 | 15°31 | 10°19 | 6°12 | 4°58 | 4°52 | n.a. | S 22 |
| M23 | 6 59 16 | 16°46'59 | 8♈38 | 22° 6 | 21°24 | 24°57 | 9°58 | 6° 8 | 8°12 | 15°31 | 10°17 | 6°10 | 4°55 | 4°59 | n.a. | M23 |
| T 24 | 7 3 12 | 17°46'48 | 21°13 | 24° 3 | 22°36 | 25°43 | 9°56 | 6°15 | 8° 9 | 15°32 | 10°16 | 6°D10 | 4°52 | 5° 6 | n.a. | T 24 |
| W25 | 7 7 9 | 18°46'36 | 4♉ 9 | 26° 0 | 23°48 | 26°30 | 9°54 | 6°22 | 8° 7 | 15°32 | 10°14 | 6°11 | 4°49 | 5°13 | n.a. | W25 |
| T 26 | 7 11 6 | 19°46'21 | 17°30 | 27°58 | 25° 0 | 27°16 | 9°51 | 6°30 | 8° 5 | 15°32 | 10°13 | 6°12 | 4°46 | 5°19 | n.a. | T 26 |
| F 27 | 7 15 2 | 20°46'03 | 1♊18 | 29°55 | 26°12 | 28° 2 | 9°49 | 6°37 | 8° 2 | 15°32 | 10°11 | 6°R13 | 4°42 | 5°26 | n.a. | F 27 |
| S 28 | 7 18 59 | 21°45'44 | 15°35 | 1♒51 | 27°24 | 28°48 | 9°46 | 6°45 | 8° 0 | 15°33 | 10°10 | 6°13 | 4°39 | 5°33 | n.a. | S 28 |
| S 29 | 7 22 55 | 22°45'22 | 0♋18 | 3°47 | 28°36 | 29°34 | 9°42 | 6°52 | 7°57 | 15°33 | 10° 8 | 6°11 | 4°36 | 5°39 | n.a. | S 29 |
| M30 | 7 26 52 | 23°44'57 | 15°22 | 5°41 | 29°47 | 0♒20 | 9°39 | 7° 0 | 7°55 | 15°33 | 10° 7 | 6° 6 | 4°33 | 5°46 | n.a. | M30 |
| T 31 | 7 30 48 | 24♑44'31 | 0♌38 | 7♒34 | 0♓59 | 1♒ 5 | 9♍36 | 7♒ 7 | 7♌52 | 15♎33 | 10♌ 5 | 6♊ 0 | 4♊30 | 5♒53 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 23 s49 | 25n 5 | 1n24 | 24 s18 | 1 s34 | 23 s10 | 1 s34 | 24 s49 | 1 s 8 | 9n29 | 1n38 | 21 s31 | 1 s49 | 19n 9 | 0n48 | 4 s15 | 2n 2 | 34n 1 | 16n53 | 21n55 | 21n45 | 24 s10 | | | n.a. |
| M 2 | 23 51 | 26 22 | 2 39 | 24 35 | 1 38 | 22 55 | 1 33 | 24 46 | 1 8 | 9 28 | 1 38 | 21 29 | 1 49 | 19 10 | 0 48 | 4 16 | 2 2 | 34 2 | 16 54 | 21 55 | 21 45 | 24 9 | | | n.a. |
| T 3 | 23 53 | 25 43 | 3 44 | 24 50 | 1 42 | 22 40 | 1 32 | 24 42 | 1 8 | 9 28 | 1 38 | 21 28 | 1 49 | 19 10 | 0 48 | 4 16 | 2 2 | 34 3 | 16 54 | 21 55 | 21 44 | 24 8 | | | n.a. |
| W 4 | 23 54 | 23 14 | 4 34 | 25 4 | 1 45 | 22 24 | 1 31 | 24 39 | 1 8 | 9 27 | 1 39 | 21 26 | 1 49 | 19 11 | 0 48 | 4 16 | 2 2 | 34 3 | 16 54 | 21 54 | 21 44 | 24 6 | | | n.a. |
| T 5 | 23 55 | 19 13 | 5 4 | 25 16 | 1 48 | 22 7 | 1 30 | 24 35 | 1 8 | 9 27 | 1 39 | 21 24 | 1 49 | 19 11 | 0 48 | 4 17 | 2 2 | 34 4 | 16 55 | 21 54 | 21 43 | 24 5 | | | n.a. |
| F 6 | 23 55 | 14 8 | 5 15 | 25 27 | 1 51 | 21 50 | 1 28 | 24 31 | 1 8 | 9 27 | 1 39 | 21 23 | 1 49 | 19 12 | 0 48 | 4 17 | 2 2 | 34 5 | 16 55 | 21 53 | 21 43 | 24 4 | | | n.a. |
| S 7 | 23 55 | 8 25 | 5 6 | 25 36 | 1 53 | 21 32 | 1 27 | 24 26 | 1 7 | 9 27 | 1 40 | 21 21 | 1 49 | 19 12 | 0 48 | 4 17 | 2 2 | 34 6 | 16 56 | 21 53 | 21 42 | 24 3 | | | n.a. |
| S 8 | 23 55 | 2 27 | 4 39 | 25 43 | 1 55 | 21 13 | 1 26 | 24 21 | 1 7 | 9 27 | 1 40 | 21 19 | 1 49 | 19 13 | 0 48 | 4 18 | 2 2 | 34 6 | 16 56 | 21 53 | 21 42 | 24 2 | | | n.a. |
| M 9 | 23 54 | 3 s30 | 3 58 | 25 49 | 1 57 | 20 54 | 1 24 | 24 16 | 1 7 | 9 27 | 1 40 | 21 17 | 1 49 | 19 13 | 0 48 | 4 18 | 2 2 | 34 7 | 16 56 | 21 53 | 21 41 | 24 1 | | | n.a. |
| T 10 | 23 52 | 9 9 | 3 5 | 25 52 | 1 58 | 20 34 | 1 22 | 24 11 | 1 7 | 9 27 | 1 40 | 21 16 | 1 49 | 19 14 | 0 48 | 4 18 | 2 2 | 34 8 | 16 57 | 21 54 | 21 40 | 23 59 | | | n.a. |
| W11 | 23 50 | 14 18 | 2 4 | 25 54 | 1 59 | 20 14 | 1 21 | 24 6 | 1 7 | 9 27 | 1 41 | 21 14 | 1 49 | 19 15 | 0 48 | 4 18 | 2 3 | 34 8 | 16 57 | 21 54 | 21 40 | 23 58 | | | n.a. |
| T 12 | 23 48 | 18 46 | 0 58 | 25 54 | 1 59 | 19 53 | 1 19 | 24 0 | 1 7 | 9 28 | 1 41 | 21 12 | 1 49 | 19 15 | 0 48 | 4 19 | 2 3 | 34 9 | 16 58 | 21 54 | 21 39 | 23 57 | | | n.a. |
| F 13 | 23 45 | 22 20 | 0 s 9 | 25 52 | 1 59 | 19 31 | 1 17 | 23 54 | 1 7 | 9 28 | 1 41 | 21 10 | 1 49 | 19 16 | 0 48 | 4 19 | 2 3 | 34 10 | 16 58 | 21 54 | 21 39 | 23 56 | | | n.a. |
| S 14 | 23 41 | 24 51 | 1 15 | 25 48 | 1 58 | 19 9 | 1 15 | 23 47 | 1 7 | 9 28 | 1 42 | 21 9 | 1 48 | 19 16 | 0 48 | 4 19 | 2 3 | 34 11 | 16 58 | 21 54 | 21 38 | 23 55 | | | n.a. |
| S 15 | 23 37 | 26 10 | 2 17 | 25 41 | 1 57 | 18 47 | 1 13 | 23 41 | 1 7 | 9 29 | 1 42 | 21 7 | 1 48 | 19 17 | 0 48 | 4 19 | 2 3 | 34 11 | 16 59 | 21 54 | 21 38 | 23 53 | | | n.a. |
| M16 | 23 33 | 26 16 | 3 12 | 25 33 | 1 55 | 18 24 | 1 11 | 23 34 | 1 7 | 9 29 | 1 42 | 21 5 | 1 48 | 19 17 | 0 48 | 4 19 | 2 3 | 34 12 | 16 59 | 21 53 | 21 37 | 23 52 | | | n.a. |
| T 17 | 23 28 | 25 8 | 3 58 | 25 22 | 1 53 | 18 1 | 1 9 | 23 27 | 1 7 | 9 30 | 1 43 | 21 3 | 1 48 | 19 18 | 0 48 | 4 20 | 2 3 | 34 13 | 16 59 | 21 52 | 21 36 | 23 51 | | | n.a. |
| W18 | 23 23 | 22 54 | 4 34 | 25 9 | 1 50 | 17 37 | 1 7 | 23 19 | 1 6 | 9 31 | 1 43 | 21 1 | 1 48 | 19 19 | 0 48 | 4 20 | 2 3 | 34 14 | 17 0 | 21 51 | 21 36 | 23 50 | | | n.a. |
| T 19 | 23 18 | 19 41 | 4 58 | 24 54 | 1 47 | 17 12 | 1 4 | 23 12 | 1 6 | 9 31 | 1 43 | 20 59 | 1 48 | 19 19 | 0 48 | 4 20 | 2 3 | 34 14 | 17 0 | 21 49 | 21 35 | 23 49 | | | n.a. |
| F 20 | 23 12 | 15 40 | 5 9 | 24 37 | 1 43 | 16 48 | 1 2 | 23 4 | 1 6 | 9 32 | 1 43 | 20 58 | 1 48 | 19 20 | 0 49 | 4 20 | 2 3 | 34 15 | 17 0 | 21 48 | 21 35 | 23 47 | | | n.a. |
| S 21 | 23 5 | 11 2 | 5 7 | 24 17 | 1 38 | 16 22 | 1 0 | 22 56 | 1 6 | 9 33 | 1 44 | 20 56 | 1 48 | 19 21 | 0 49 | 4 20 | 2 3 | 34 16 | 17 1 | 21 47 | 21 34 | 23 46 | | | n.a. |
| S 22 | 22 58 | 5 56 | 4 51 | 23 55 | 1 33 | 15 57 | 0 57 | 22 47 | 1 6 | 9 34 | 1 44 | 20 54 | 1 48 | 19 21 | 0 49 | 4 20 | 2 3 | 34 16 | 17 1 | 21 47 | 21 33 | 23 45 | | | n.a. |
| M23 | 22 51 | 0 31 | 4 22 | 23 30 | 1 27 | 15 31 | 0 55 | 22 39 | 1 6 | 9 35 | 1 44 | 20 52 | 1 48 | 19 22 | 0 49 | 4 20 | 2 3 | 34 17 | 17 1 | 21 46 | 21 33 | 23 43 | | | n.a. |
| T 24 | 22 43 | 5n 3 | 3 40 | 23 3 | 1 21 | 15 4 | 0 52 | 22 30 | 1 5 | 9 36 | 1 45 | 20 50 | 1 48 | 19 23 | 0 49 | 4 20 | 2 3 | 34 18 | 17 1 | 21 46 | 21 32 | 23 42 | | | n.a. |
| W25 | 22 35 | 10 35 | 2 45 | 22 34 | 1 13 | 14 38 | 0 49 | 22 21 | 1 5 | 9 37 | 1 45 | 20 48 | 1 48 | 19 23 | 0 49 | 4 20 | 2 3 | 34 19 | 17 2 | 21 46 | 21 32 | 23 41 | | | n.a. |
| T 26 | 22 26 | 15 48 | 1 40 | 22 3 | 1 6 | 14 11 | 0 46 | 22 12 | 1 5 | 9 39 | 1 45 | 20 46 | 1 48 | 19 24 | 0 49 | 4 21 | 2 3 | 34 19 | 17 2 | 21 47 | 21 31 | 23 40 | | | n.a. |
| F 27 | 22 17 | 20 24 | 0 27 | 21 30 | 0 57 | 13 43 | 0 44 | 22 2 | 1 5 | 9 40 | 1 45 | 20 44 | 1 48 | 19 24 | 0 49 | 4 21 | 2 4 | 34 20 | 17 2 | 21 47 | 21 30 | 23 38 | | | n.a. |
| S 28 | 22 7 | 23 58 | 0n50 | 20 55 | 0 48 | 13 15 | 0 41 | 21 52 | 1 5 | 9 41 | 1 46 | 20 42 | 1 48 | 19 25 | 0 49 | 4 21 | 2 4 | 34 21 | 17 2 | 21 47 | 21 30 | 23 37 | | | n.a. |
| S 29 | 21 58 | 26 2 | 2 6 | 20 19 | 0 38 | 12 47 | 0 38 | 21 42 | 1 5 | 9 43 | 1 46 | 20 40 | 1 48 | 19 26 | 0 49 | 4 21 | 2 4 | 34 21 | 17 3 | 21 46 | 21 29 | 23 36 | | | n.a. |
| M30 | 21 47 | 26 15 | 3 15 | 19 40 | 0 27 | 12 19 | 0 35 | 21 32 | 1 4 | 9 44 | 1 46 | 20 38 | 1 48 | 19 26 | 0 49 | 4 21 | 2 4 | 34 22 | 17 3 | 21 46 | 21 29 | 23 34 | | | n.a. |
| T 31 | 21 s37 | 24n30 | 4n11 | 19 s 1 | 0 s16 | 11 s50 | 0 s32 | 21 s22 | 1 s 4 | 9n46 | 1n46 | 20 s37 | 1 s48 | 19n27 | 0n49 | 4 s21 | 2n 4 | 34n23 | 17n 3 | 21n45 | 21n28 | 23 s33 | | | n.a. |

Julian Day Number = 997862.5, Delta T = 12h54m44s
Ecliptic obliquity = 23°55'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'08, Lahiri = -31°16'08 Julian Calendar 1 Jan. 1981 BCE == Greg. Calendar 15 Dec. 1982 BCE

The year -1980 astronomical counting style corresponds to year 1981 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## FEBRUARY 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 34 45 | 25♉44'02 | 15♌55 | 9♒24 | 2♓10 | 1♒51 | 9°R32 | 7♒15 | 7°R50 | 15♎33 | 10°R 4 | 5°R52 | 4♊27 | 6♒ 0 | n.a. | W 1 |
| T 2 | 7 38 41 | 26°43'31 | 1♍ 3 | 11°12 | 3°22 | 2°37 | 9♍28 | 7°23 | 7♌47 | 15°33 | 10♌ 2 | 5♊45 | 4°23 | 6° 6 | n.a. | T 2 |
| F 3 | 7 42 38 | 27°42'58 | 15°52 | 12°57 | 4°33 | 3°23 | 9°24 | 7°30 | 7°45 | 15°R33 | 10° 0 | 5°38 | 4°20 | 6°13 | n.a. | F 3 |
| S 4 | 7 46 35 | 28°42'23 | 0♎16 | 14°39 | 5°44 | 4° 9 | 9°20 | 7°38 | 7°42 | 15°33 | 9°59 | 5°32 | 4°17 | 6°20 | n.a. | S 4 |
| S 5 | 7 50 31 | 29°41'46 | 14°11 | 16°17 | 6°55 | 4°54 | 9°16 | 7°45 | 7°40 | 15°33 | 9°57 | 5°29 | 4°14 | 6°26 | n.a. | S 5 |
| M 6 | 7 54 28 | 0♒41'07 | 27°39 | 17°50 | 8° 6 | 5°40 | 9°11 | 7°53 | 7°37 | 15°33 | 9°55 | 5°D28 | 4°11 | 6°33 | n.a. | M 6 |
| T 7 | 7 58 24 | 1°40'26 | 10♏41 | 19°19 | 9°17 | 6°25 | 9° 7 | 8° 1 | 7°35 | 15°33 | 9°54 | 5°28 | 4° 7 | 6°40 | n.a. | T 7 |
| W 8 | 8 2 21 | 2°39'43 | 23°21 | 20°42 | 10°28 | 7°11 | 9° 2 | 8° 8 | 7°32 | 15°33 | 9°52 | 5°29 | 4° 4 | 6°46 | n.a. | W 8 |
| T 9 | 8 6 17 | 3°38'58 | 5♐43 | 22° 0 | 11°39 | 7°56 | 8°57 | 8°16 | 7°29 | 15°32 | 9°51 | 5°R30 | 4° 1 | 6°53 | n.a. | T 9 |
| F 10 | 8 10 14 | 4°38'12 | 17°53 | 23°12 | 12°49 | 8°42 | 8°52 | 8°24 | 7°27 | 15°32 | 9°49 | 5°29 | 3°58 | 7° 0 | n.a. | F 10 |
| S 11 | 8 14 10 | 5°37'23 | 29°53 | 24°18 | 14° 0 | 9°27 | 8°47 | 8°31 | 7°24 | 15°32 | 9°47 | 5°26 | 3°55 | 7° 7 | n.a. | S 11 |
| S 12 | 8 18 7 | 6°36'32 | 11♑48 | 25°17 | 15°10 | 10°13 | 8°41 | 8°39 | 7°22 | 15°32 | 9°46 | 5°20 | 3°52 | 7°13 | n.a. | S 12 |
| M13 | 8 22 3 | 7°35'40 | 23°40 | 26°10 | 16°20 | 10°58 | 8°36 | 8°47 | 7°19 | 15°31 | 9°44 | 5°12 | 3°48 | 7°20 | n.a. | M13 |
| T 14 | 8 26 0 | 8°34'45 | 5♒30 | 26°55 | 17°30 | 11°43 | 8°30 | 8°54 | 7°16 | 15°31 | 9°42 | 5° 1 | 3°45 | 7°27 | n.a. | T 14 |
| W15 | 8 29 57 | 9°33'47 | 17°22 | 27°34 | 18°40 | 12°28 | 8°25 | 9° 2 | 7°14 | 15°30 | 9°41 | 4°49 | 3°42 | 7°33 | n.a. | W15 |
| T 16 | 8 33 53 | 10°32'48 | 29°15 | 28° 5 | 19°50 | 13°14 | 8°19 | 9°10 | 7°11 | 15°30 | 9°39 | 4°36 | 3°39 | 7°40 | n.a. | T 16 |
| F 17 | 8 37 50 | 11°31'46 | 11♓12 | 28°29 | 21° 0 | 13°59 | 8°13 | 9°17 | 7° 9 | 15°30 | 9°37 | 4°24 | 3°36 | 7°47 | n.a. | F 17 |
| S 18 | 8 41 46 | 12°30'42 | 23°15 | 28°46 | 22°10 | 14°44 | 8° 6 | 9°25 | 7° 6 | 15°29 | 9°36 | 4°14 | 3°32 | 7°54 | n.a. | S 18 |
| S 19 | 8 45 43 | 13°29'35 | 5♈25 | 28°56 | 23°19 | 15°29 | 8° 0 | 9°33 | 7° 3 | 15°29 | 9°34 | 4° 5 | 3°29 | 8° 0 | n.a. | S 19 |
| M20 | 8 49 39 | 14°28'26 | 17°45 | 28°R59 | 24°28 | 16°14 | 7°54 | 9°40 | 7° 1 | 15°28 | 9°32 | 4° 0 | 3°26 | 8° 7 | n.a. | M20 |
| T 21 | 8 53 36 | 15°27'15 | 0♉20 | 28°55 | 25°38 | 16°59 | 7°47 | 9°48 | 6°58 | 15°27 | 9°31 | 3°57 | 3°23 | 8°14 | n.a. | T 21 |
| W22 | 8 57 32 | 16°26'01 | 13°12 | 28°44 | 26°47 | 17°44 | 7°41 | 9°56 | 6°56 | 15°27 | 9°29 | 3°D56 | 3°20 | 8°20 | n.a. | W22 |
| T 23 | 9 1 29 | 17°24'45 | 26°25 | 28°27 | 27°56 | 18°29 | 7°34 | 10° 3 | 6°53 | 15°26 | 9°28 | 3°R56 | 3°17 | 8°27 | n.a. | T 23 |
| F 24 | 9 5 25 | 18°23'27 | 10♊ 4 | 28° 5 | 29° 4 | 19°13 | 7°27 | 10°11 | 6°51 | 15°26 | 9°26 | 3°56 | 3°13 | 8°34 | n.a. | F 24 |
| S 25 | 9 9 22 | 19°22'06 | 24° 9 | 27°37 | 0♈13 | 19°58 | 7°20 | 10°19 | 6°48 | 15°25 | 9°24 | 3°54 | 3°10 | 8°41 | n.a. | S 25 |
| S 26 | 9 13 19 | 20°20'43 | 8♋41 | 27° 5 | 1°22 | 20°43 | 7°13 | 10°26 | 6°46 | 15°24 | 9°23 | 3°51 | 3° 7 | 8°47 | n.a. | S 26 |
| M27 | 9 17 15 | 21°19'17 | 23°37 | 26°28 | 2°30 | 21°27 | 7° 6 | 10°34 | 6°43 | 15°23 | 9°21 | 3°45 | 3° 4 | 8°54 | n.a. | M27 |
| T 28 | 9 21 12 | 22°17'49 | 8♌49 | 25°49 | 3°38 | 22°12 | 6°59 | 10°42 | 6°41 | 15°23 | 9°19 | 3°36 | 3° 1 | 9° 1 | n.a. | T 28 |
| W29 | 9 25 8 | 23♒16'19 | 24♌ 8 | 25♒ 7 | 4♈46 | 22♒56 | 6♍52 | 10♒49 | 6♌38 | 15♎22 | 9♌18 | 3♊26 | 2♊58 | 9♒ 7 | n.a. | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21 s25 | 20n58 | 4n49 | 18 s20 | 0 s 5 | 11 s21 | 0 s29 | 21 s11 | 1 s 4 | 9n48 | 1n47 | 20 s35 | 1 s48 | 19n28 | 0n49 | 4 s20 | 2n 4 | 34n23 | 17n 3 | 21n43 | 21n28 | 23 s32 | | n.a. |
| T 2 | 21 14 | 16 4 | 5 6 | 17 39 | 0n 7 | 10 52 | 0 25 | 21 0 | 1 4 | 9 49 | 1 47 | 20 33 | 1 48 | 19 29 | 0 49 | 4 20 | 2 4 | 34 24 | 17 3 | 21 42 | 21 27 | 23 30 | | n.a. |
| F 3 | 21 2 | 10 18 | 5 2 | 16 57 | 0 20 | 10 23 | 0 22 | 20 49 | 1 3 | 9 51 | 1 47 | 20 31 | 1 48 | 19 29 | 0 49 | 4 20 | 2 4 | 34 25 | 17 4 | 21 41 | 21 26 | 23 29 | | n.a. |
| S 4 | 20 50 | 4 8 | 4 39 | 16 15 | 0 33 | 9 53 | 0 19 | 20 38 | 1 3 | 9 53 | 1 47 | 20 29 | 1 48 | 19 30 | 0 49 | 4 20 | 2 4 | 34 25 | 17 4 | 21 40 | 21 26 | 23 28 | | n.a. |
| S 5 | 20 37 | 2 s 2 | 4 0 | 15 33 | 0 46 | 9 23 | 0 16 | 20 26 | 1 3 | 9 55 | 1 48 | 20 27 | 1 48 | 19 31 | 0 49 | 4 20 | 2 4 | 34 26 | 17 4 | 21 39 | 21 25 | 23 26 | | n.a. |
| M 6 | 20 25 | 7 55 | 3 9 | 14 51 | 0 59 | 8 53 | 0 12 | 20 15 | 1 3 | 9 57 | 1 48 | 20 25 | 1 49 | 19 31 | 0 49 | 4 20 | 2 4 | 34 27 | 17 4 | 21 39 | 21 25 | 23 25 | | n.a. |
| T 7 | 20 11 | 13 17 | 2 9 | 14 11 | 1 13 | 8 23 | 0 9 | 20 3 | 1 2 | 9 59 | 1 48 | 20 23 | 1 49 | 19 32 | 0 49 | 4 20 | 2 4 | 34 27 | 17 4 | 21 39 | 21 24 | 23 24 | | n.a. |
| W 8 | 19 58 | 17 57 | 1 5 | 13 31 | 1 26 | 7 53 | 0 5 | 19 51 | 1 2 | 10 1 | 1 48 | 20 21 | 1 49 | 19 33 | 0 49 | 4 20 | 2 4 | 34 28 | 17 4 | 21 39 | 21 23 | 23 22 | | n.a. |
| T 9 | 19 44 | 21 43 | 0 s 1 | 12 53 | 1 40 | 7 22 | 0 2 | 19 39 | 1 2 | 10 3 | 1 49 | 20 19 | 1 49 | 19 33 | 0 49 | 4 20 | 2 4 | 34 28 | 17 4 | 21 39 | 21 23 | 23 21 | | n.a. |
| F 10 | 19 29 | 24 27 | 1 6 | 12 17 | 1 53 | 6 51 | 0n 2 | 19 26 | 1 2 | 10 5 | 1 49 | 20 17 | 1 49 | 19 34 | 0 49 | 4 20 | 2 4 | 34 29 | 17 5 | 21 39 | 21 22 | 23 20 | | n.a. |
| S 11 | 19 15 | 26 2 | 2 7 | 11 43 | 2 6 | 6 20 | 0 5 | 19 14 | 1 1 | 10 7 | 1 49 | 20 15 | 1 49 | 19 35 | 0 49 | 4 19 | 2 5 | 34 30 | 17 5 | 21 38 | 21 22 | 23 18 | | n.a. |
| S 12 | 19 0 | 26 23 | 3 1 | 11 11 | 2 18 | 5 49 | 0 9 | 19 1 | 1 1 | 10 9 | 1 49 | 20 13 | 1 49 | 19 35 | 0 49 | 4 19 | 2 5 | 34 30 | 17 5 | 21 37 | 21 21 | 23 17 | | n.a. |
| M13 | 18 45 | 25 32 | 3 47 | 10 42 | 2 30 | 5 18 | 0 13 | 18 48 | 1 1 | 10 12 | 1 49 | 20 11 | 1 49 | 19 36 | 0 49 | 4 19 | 2 5 | 34 31 | 17 5 | 21 36 | 21 20 | 23 15 | | n.a. |
| T 14 | 18 29 | 23 31 | 4 24 | 10 16 | 2 42 | 4 47 | 0 16 | 18 35 | 1 0 | 10 14 | 1 50 | 20 8 | 1 49 | 19 37 | 0 49 | 4 19 | 2 5 | 34 31 | 17 5 | 21 34 | 21 20 | 23 14 | | n.a. |
| W15 | 18 13 | 20 30 | 4 48 | 9 52 | 2 52 | 4 16 | 0 20 | 18 22 | 1 0 | 10 16 | 1 50 | 20 6 | 1 49 | 19 37 | 0 49 | 4 19 | 2 5 | 34 32 | 17 5 | 21 32 | 21 19 | 23 12 | | n.a. |
| T 16 | 17 57 | 16 38 | 5 1 | 9 32 | 3 2 | 3 44 | 0 24 | 18 8 | 1 0 | 10 19 | 1 50 | 20 4 | 1 49 | 19 38 | 0 49 | 4 18 | 2 5 | 34 32 | 17 5 | 21 29 | 21 18 | 23 11 | | n.a. |
| F 17 | 17 40 | 12 7 | 5 0 | 9 15 | 3 11 | 3 13 | 0 28 | 17 55 | 1 0 | 10 21 | 1 50 | 20 2 | 1 49 | 19 39 | 0 49 | 4 18 | 2 5 | 34 33 | 17 5 | 21 27 | 21 18 | 23 10 | | n.a. |
| S 18 | 17 24 | 7 5 | 4 46 | 9 2 | 3 19 | 2 42 | 0 31 | 17 41 | 0 59 | 10 24 | 1 50 | 20 0 | 1 49 | 19 39 | 0 49 | 4 18 | 2 5 | 34 33 | 17 5 | 21 25 | 21 17 | 23 8 | | n.a. |
| S 19 | 17 6 | 1 45 | 4 19 | 8 52 | 3 26 | 2 10 | 0 35 | 17 27 | 0 59 | 10 26 | 1 51 | 19 58 | 1 49 | 19 40 | 0 49 | 4 18 | 2 5 | 34 34 | 17 5 | 21 24 | 21 17 | 23 7 | | n.a. |
| M20 | 16 49 | 3n44 | 3 39 | 8 46 | 3 31 | 1 39 | 0 39 | 17 13 | 0 59 | 10 29 | 1 51 | 19 56 | 1 49 | 19 41 | 0 49 | 4 17 | 2 5 | 34 34 | 17 5 | 21 22 | 21 16 | 23 5 | | n.a. |
| T 21 | 16 32 | 9 12 | 2 48 | 8 44 | 3 35 | 1 7 | 0 43 | 16 59 | 0 58 | 10 32 | 1 51 | 19 54 | 1 49 | 19 41 | 0 49 | 4 17 | 2 5 | 34 35 | 17 5 | 21 22 | 21 15 | 23 4 | | n.a. |
| W22 | 16 14 | 14 25 | 1 48 | 8 45 | 3 38 | 0 36 | 0 47 | 16 45 | 0 58 | 10 34 | 1 51 | 19 52 | 1 49 | 19 42 | 0 49 | 4 17 | 2 5 | 34 35 | 17 5 | 21 22 | 21 15 | 23 2 | | n.a. |
| T 23 | 15 56 | 19 6 | 0 40 | 8 50 | 3 39 | 0 4 | 0 51 | 16 30 | 0 58 | 10 37 | 1 51 | 19 50 | 1 49 | 19 43 | 0 49 | 4 17 | 2 5 | 34 36 | 17 5 | 21 22 | 21 14 | 23 1 | | n.a. |
| F 24 | 15 37 | 22 57 | 0n32 | 8 58 | 3 39 | 0n27 | 0 55 | 16 16 | 0 57 | 10 40 | 1 51 | 19 48 | 1 49 | 19 43 | 0 49 | 4 16 | 2 5 | 34 36 | 17 5 | 21 22 | 21 14 | 22 59 | | n.a. |
| S 25 | 15 19 | 25 32 | 1 45 | 9 9 | 3 37 | 0 59 | 0 59 | 16 1 | 0 57 | 10 42 | 1 51 | 19 46 | 1 50 | 19 44 | 0 49 | 4 16 | 2 5 | 34 37 | 17 5 | 21 21 | 21 13 | 22 58 | | n.a. |
| S 26 | 15 0 | 26 30 | 2 53 | 9 24 | 3 33 | 1 30 | 1 3 | 15 46 | 0 57 | 10 45 | 1 51 | 19 44 | 1 50 | 19 45 | 0 49 | 4 16 | 2 5 | 34 37 | 17 5 | 21 21 | 21 12 | 22 56 | | n.a. |
| M27 | 14 41 | 25 36 | 3 51 | 9 41 | 3 28 | 2 2 | 1 7 | 15 31 | 0 56 | 10 48 | 1 52 | 19 42 | 1 50 | 19 45 | 0 49 | 4 15 | 2 6 | 34 38 | 17 5 | 21 20 | 21 12 | 22 55 | | n.a. |
| T 28 | 14 22 | 22 48 | 4 33 | 10 1 | 3 21 | 2 33 | 1 11 | 15 16 | 0 56 | 10 51 | 1 52 | 19 40 | 1 50 | 19 46 | 0 49 | 4 15 | 2 6 | 34 38 | 17 5 | 21 18 | 21 11 | 22 53 | | n.a. |
| W29 | 14 s 2 | 18n23 | 4n57 | 10 s23 | 3n13 | 3n 4 | 1n15 | 15 s 1 | 0 s56 | 10n54 | 1n52 | 19 s38 | 1 s50 | 19n47 | 0n49 | 4 s15 | 2n 6 | 34n38 | 17n 5 | 21n16 | 21n10 | 22 s52 | | n.a. |

Julian Day Number = 997893.5, Delta T = 12h54m42s
Ecliptic obliquity = 23°55'24, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'04, Lahiri = -31°16'03 Julian Calendar 1 Feb. 1981 BCE == Greg. Calendar 15 Jan. 1981 BCE


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## MARCH 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 29 5 | 24♒14'47 | 9♍22 | 24°R23 | 5♈54 | 23♒41 | 6°R45 | 10♒57 | 6°R36 | 15°R21 | 9°R16 | 3°R15 | 2♊54 | 9♒14 | n.a. | T 1 |
| F 2 | 9 33 1 | 25°13'12 | 24°21 | 23♒39 | 7° 2 | 24°25 | 6♍37 | 11° 4 | 6♌33 | 15♎20 | 9♌15 | 3♊ 5 | 2°51 | 9°21 | n.a. | F 2 |
| S 3 | 9 36 58 | 26°11'36 | 8♎55 | 22°55 | 8° 9 | 25°10 | 6°30 | 11°12 | 6°31 | 15°19 | 9°13 | 2°56 | 2°48 | 9°28 | n.a. | S 3 |
| S 4 | 9 40 54 | 27° 9'58 | 23° 0 | 22°12 | 9°16 | 25°54 | 6°23 | 11°19 | 6°29 | 15°18 | 9°12 | 2°51 | 2°45 | 9°34 | n.a. | S 4 |
| M 5 | 9 44 51 | 28° 8'18 | 6♏35 | 21°30 | 10°24 | 26°38 | 6°15 | 11°27 | 6°26 | 15°17 | 9°10 | 2°47 | 2°42 | 9°41 | n.a. | M 5 |
| T 6 | 9 48 47 | 29° 6'37 | 19°42 | 20°51 | 11°30 | 27°23 | 6° 8 | 11°34 | 6°24 | 15°16 | 9° 8 | 2°46 | 2°38 | 9°48 | n.a. | T 6 |
| W 7 | 9 52 44 | 0♓ 4'54 | 2♐24 | 20°15 | 12°37 | 28° 7 | 6° 0 | 11°42 | 6°22 | 15°15 | 9° 7 | 2°46 | 2°35 | 9°54 | n.a. | W 7 |
| T 8 | 9 56 41 | 1° 3'09 | 14°46 | 19°42 | 13°44 | 28°51 | 5°52 | 11°49 | 6°19 | 15°14 | 9° 5 | 2°46 | 2°32 | 10° 1 | n.a. | T 8 |
| F 9 | 10 0 37 | 2° 1'23 | 26°53 | 19°13 | 14°50 | 29°35 | 5°45 | 11°56 | 6°17 | 15°13 | 9° 4 | 2°44 | 2°29 | 10° 8 | n.a. | F 9 |
| S 10 | 10 4 34 | 2°59'35 | 8♑50 | 18°48 | 15°56 | 0♓19 | 5°37 | 12° 4 | 6°15 | 15°12 | 9° 2 | 2°41 | 2°26 | 10°15 | n.a. | S 10 |
| S 11 | 10 8 30 | 3°57'45 | 20°41 | 18°28 | 17° 2 | 1° 3 | 5°29 | 12°11 | 6°13 | 15°11 | 9° 1 | 2°34 | 2°23 | 10°21 | n.a. | S 11 |
| M12 | 10 12 27 | 4°55'53 | 2♒31 | 18°12 | 18° 8 | 1°47 | 5°22 | 12°18 | 6°10 | 15°10 | 9° 0 | 2°25 | 2°19 | 10°28 | n.a. | M12 |
| T 13 | 10 16 23 | 5°54'00 | 14°22 | 18° 2 | 19°14 | 2°31 | 5°14 | 12°26 | 6° 8 | 15° 9 | 8°58 | 2°13 | 2°16 | 10°35 | n.a. | T 13 |
| W14 | 10 20 20 | 6°52'05 | 26°15 | 17°56 | 20°19 | 3°15 | 5° 6 | 12°33 | 6° 6 | 15° 8 | 8°57 | 2° 0 | 2°13 | 10°41 | n.a. | W14 |
| T 15 | 10 24 16 | 7°50'08 | 8♓14 | 17°D56 | 21°24 | 3°58 | 4°59 | 12°40 | 6° 4 | 15° 7 | 8°55 | 1°46 | 2°10 | 10°48 | n.a. | T 15 |
| F 16 | 10 28 13 | 8°48'09 | 20°19 | 18° 0 | 22°29 | 4°42 | 4°51 | 12°47 | 6° 2 | 15° 5 | 8°54 | 1°32 | 2° 7 | 10°55 | n.a. | F 16 |
| S 17 | 10 32 9 | 9°46'09 | 2♈31 | 18° 9 | 23°34 | 5°26 | 4°44 | 12°55 | 6° 0 | 15° 4 | 8°53 | 1°20 | 2° 4 | 11° 2 | n.a. | S 17 |
| S 18 | 10 36 6 | 10°44'06 | 14°52 | 18°22 | 24°38 | 6° 9 | 4°36 | 13° 2 | 5°58 | 15° 3 | 8°51 | 1°11 | 2° 0 | 11° 8 | n.a. | S 18 |
| M19 | 10 40 3 | 11°42'02 | 27°22 | 18°41 | 25°43 | 6°53 | 4°28 | 13° 9 | 5°56 | 15° 2 | 8°50 | 1° 4 | 1°57 | 11°15 | n.a. | M19 |
| T 20 | 10 43 59 | 12°39'55 | 10♉ 4 | 19° 3 | 26°47 | 7°36 | 4°21 | 13°16 | 5°54 | 15° 0 | 8°49 | 1° 0 | 1°54 | 11°22 | n.a. | T 20 |
| W21 | 10 47 56 | 13°37'47 | 23° 1 | 19°30 | 27°50 | 8°20 | 4°13 | 13°23 | 5°52 | 14°59 | 8°47 | 0°59 | 1°51 | 11°28 | n.a. | W21 |
| T 22 | 10 51 52 | 14°35'37 | 6♊14 | 20° 2 | 28°54 | 9° 3 | 4° 6 | 13°30 | 5°50 | 14°58 | 8°46 | 0°D59 | 1°48 | 11°35 | n.a. | T 22 |
| F 23 | 10 55 49 | 15°33'25 | 19°48 | 20°37 | 29°57 | 9°47 | 3°58 | 13°37 | 5°49 | 14°56 | 8°45 | 0°R59 | 1°44 | 11°42 | n.a. | F 23 |
| S 24 | 10 59 45 | 16°31'11 | 3♋44 | 21°16 | 1♉ 0 | 10°30 | 3°51 | 13°44 | 5°47 | 14°55 | 8°43 | 0°58 | 1°41 | 11°49 | n.a. | S 24 |
| S 25 | 11 3 42 | 17°28'55 | 18° 2 | 21°59 | 2° 2 | 11°13 | 3°44 | 13°51 | 5°45 | 14°54 | 8°42 | 0°55 | 1°38 | 11°55 | n.a. | S 25 |
| M26 | 11 7 38 | 18°26'37 | 2♌41 | 22°46 | 3° 4 | 11°56 | 3°37 | 13°57 | 5°43 | 14°52 | 8°41 | 0°49 | 1°35 | 12° 2 | n.a. | M26 |
| T 27 | 11 11 35 | 19°24'18 | 17°36 | 23°36 | 4° 6 | 12°39 | 3°29 | 14° 4 | 5°42 | 14°51 | 8°40 | 0°42 | 1°32 | 12° 9 | n.a. | T 27 |
| W28 | 11 15 32 | 20°21'56 | 2♍40 | 24°29 | 5° 8 | 13°22 | 3°22 | 14°11 | 5°40 | 14°49 | 8°39 | 0°32 | 1°29 | 12°15 | n.a. | W28 |
| T 29 | 11 19 28 | 21°19'33 | 17°42 | 25°26 | 6° 9 | 14° 5 | 3°15 | 14°18 | 5°39 | 14°48 | 8°38 | 0°22 | 1°25 | 12°22 | n.a. | T 29 |
| F 30 | 11 23 25 | 22°17'09 | 2♎34 | 26°25 | 7°10 | 14°48 | 3° 8 | 14°24 | 5°37 | 14°47 | 8°37 | 0°13 | 1°22 | 12°29 | n.a. | F 30 |
| S 31 | 11 27 21 | 23♓14'43 | 17♎ 6 | 27♒28 | 8♉11 | 15♓31 | 3♍ 2 | 14♒31 | 5♌35 | 14♎45 | 8♌35 | 0♊ 5 | 1♊19 | 12♒36 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 13 s42 | 12n49 | 4n59 | 10 s47 | 3n 3 | 3n35 | 1n18 | 14 s46 | 0 s55 | 10n56 | 1n52 | 19 s36 | 1 s50 | 19n47 | 0n49 | 4 s14 | 2n 6 | 34n39 | 17n 5 | 21n14 | 21n10 | 22 s50 | | | n.a. |
| F 2 | 13 22 | 6 34 | 4 40 | 11 12 | 2 52 | 4 6 | 1 22 | 14 30 | 0 55 | 10 59 | 1 52 | 19 34 | 1 50 | 19 48 | 0 49 | 4 14 | 2 6 | 34 39 | 17 4 | 21 12 | 21 9 | 22 49 | | | n.a. |
| S 3 | 13 2 | 0 7 | 4 4 | 11 39 | 2 40 | 4 37 | 1 26 | 14 15 | 0 54 | 11 2 | 1 52 | 19 32 | 1 50 | 19 48 | 0 49 | 4 13 | 2 6 | 34 39 | 17 4 | 21 10 | 21 8 | 22 47 | | | n.a. |
| S 4 | 12 42 | 6 s 8 | 3 14 | 12 5 | 2 26 | 5 8 | 1 30 | 13 59 | 0 54 | 11 5 | 1 52 | 19 30 | 1 50 | 19 49 | 0 49 | 4 13 | 2 6 | 34 40 | 17 4 | 21 9 | 21 8 | 22 46 | | | n.a. |
| M 5 | 12 22 | 11 53 | 2 14 | 12 32 | 2 12 | 5 38 | 1 34 | 13 43 | 0 54 | 11 8 | 1 52 | 19 28 | 1 50 | 19 50 | 0 49 | 4 13 | 2 6 | 34 40 | 17 4 | 21 8 | 21 7 | 22 44 | | | n.a. |
| T 6 | 12 1 | 16 55 | 1 9 | 12 59 | 1 57 | 6 9 | 1 38 | 13 28 | 0 53 | 11 11 | 1 52 | 19 26 | 1 50 | 19 50 | 0 49 | 4 12 | 2 6 | 34 40 | 17 4 | 21 8 | 21 7 | 22 43 | | | n.a. |
| W 7 | 11 40 | 21 2 | 0 2 | 13 26 | 1 42 | 6 39 | 1 42 | 13 12 | 0 53 | 11 14 | 1 52 | 19 24 | 1 51 | 19 51 | 0 49 | 4 12 | 2 6 | 34 41 | 17 4 | 21 8 | 21 6 | 22 41 | | | n.a. |
| T 8 | 11 19 | 24 5 | 1 s 3 | 13 51 | 1 26 | 7 9 | 1 46 | 12 56 | 0 52 | 11 16 | 1 52 | 19 22 | 1 51 | 19 51 | 0 49 | 4 11 | 2 6 | 34 41 | 17 4 | 21 8 | 21 5 | 22 40 | | | n.a. |
| F 9 | 10 58 | 25 57 | 2 4 | 14 15 | 1 10 | 7 39 | 1 50 | 12 39 | 0 52 | 11 19 | 1 52 | 19 20 | 1 51 | 19 52 | 0 49 | 4 11 | 2 6 | 34 41 | 17 3 | 21 8 | 21 5 | 22 38 | | | n.a. |
| S 10 | 10 37 | 26 35 | 2 58 | 14 38 | 0 54 | 8 8 | 1 54 | 12 23 | 0 52 | 11 22 | 1 52 | 19 18 | 1 51 | 19 52 | 0 49 | 4 10 | 2 6 | 34 42 | 17 3 | 21 7 | 21 4 | 22 36 | | | n.a. |
| S 11 | 10 15 | 25 59 | 3 44 | 15 0 | 0 38 | 8 38 | 1 58 | 12 7 | 0 51 | 11 25 | 1 52 | 19 16 | 1 51 | 19 53 | 0 49 | 4 10 | 2 6 | 34 42 | 17 3 | 21 6 | 21 3 | 22 35 | | | n.a. |
| M12 | 9 54 | 24 13 | 4 20 | 15 20 | 0 22 | 9 7 | 2 1 | 11 51 | 0 51 | 11 28 | 1 52 | 19 14 | 1 51 | 19 54 | 0 49 | 4 9 | 2 6 | 34 42 | 17 3 | 21 4 | 21 3 | 22 33 | | | n.a. |
| T 13 | 9 32 | 21 23 | 4 45 | 15 38 | 0 7 | 9 36 | 2 5 | 11 34 | 0 50 | 11 31 | 1 52 | 19 12 | 1 51 | 19 54 | 0 49 | 4 9 | 2 6 | 34 42 | 17 3 | 21 2 | 21 2 | 22 32 | | | n.a. |
| W14 | 9 10 | 17 40 | 4 58 | 15 54 | 0 s 8 | 10 5 | 2 9 | 11 18 | 0 50 | 11 34 | 1 52 | 19 10 | 1 51 | 19 55 | 0 49 | 4 8 | 2 6 | 34 43 | 17 2 | 20 59 | 21 1 | 22 30 | | | n.a. |
| T 15 | 8 48 | 13 14 | 4 58 | 16 8 | 0 23 | 10 33 | 2 13 | 11 1 | 0 50 | 11 37 | 1 52 | 19 8 | 1 52 | 19 55 | 0 49 | 4 8 | 2 6 | 34 43 | 17 2 | 20 56 | 21 1 | 22 29 | | | n.a. |
| F 16 | 8 26 | 8 14 | 4 44 | 16 20 | 0 37 | 11 1 | 2 16 | 10 44 | 0 49 | 11 39 | 1 52 | 19 6 | 1 52 | 19 56 | 0 49 | 4 7 | 2 6 | 34 43 | 17 2 | 20 53 | 21 0 | 22 27 | | | n.a. |
| S 17 | 8 4 | 2 54 | 4 17 | 16 30 | 0 50 | 11 29 | 2 20 | 10 28 | 0 49 | 11 42 | 1 52 | 19 4 | 1 52 | 19 56 | 0 49 | 4 7 | 2 6 | 34 43 | 17 2 | 20 51 | 21 0 | 22 25 | | | n.a. |
| S 18 | 7 41 | 2n38 | 3 38 | 16 37 | 1 3 | 11 57 | 2 24 | 10 11 | 0 48 | 11 45 | 1 52 | 19 2 | 1 52 | 19 57 | 0 49 | 4 6 | 2 6 | 34 43 | 17 1 | 20 49 | 20 59 | 22 24 | | | n.a. |
| M19 | 7 19 | 8 9 | 2 48 | 16 43 | 1 15 | 12 24 | 2 27 | 9 54 | 0 48 | 11 48 | 1 52 | 19 0 | 1 52 | 19 57 | 0 48 | 4 6 | 2 6 | 34 43 | 17 1 | 20 47 | 20 58 | 22 22 | | | n.a. |
| T 20 | 6 56 | 13 25 | 1 48 | 16 46 | 1 26 | 12 51 | 2 31 | 9 37 | 0 47 | 11 51 | 1 52 | 18 58 | 1 52 | 19 57 | 0 48 | 4 5 | 2 7 | 34 44 | 17 1 | 20 46 | 20 58 | 22 20 | | | n.a. |
| W21 | 6 34 | 18 13 | 0 42 | 16 48 | 1 37 | 13 18 | 2 34 | 9 20 | 0 47 | 11 53 | 1 52 | 18 56 | 1 52 | 19 58 | 0 48 | 4 5 | 2 7 | 34 44 | 17 1 | 20 46 | 20 57 | 22 19 | | | n.a. |
| T 22 | 6 11 | 22 15 | 0n28 | 16 47 | 1 47 | 13 45 | 2 37 | 9 3 | 0 46 | 11 56 | 1 52 | 18 54 | 1 53 | 19 58 | 0 48 | 4 4 | 2 7 | 34 44 | 17 0 | 20 46 | 20 56 | 22 17 | | | n.a. |
| F 23 | 5 48 | 25 9 | 1 38 | 16 44 | 1 56 | 14 11 | 2 41 | 8 46 | 0 46 | 11 59 | 1 52 | 18 52 | 1 53 | 19 59 | 0 48 | 4 4 | 2 7 | 34 44 | 17 0 | 20 46 | 20 56 | 22 15 | | | n.a. |
| S 24 | 5 25 | 26 36 | 2 44 | 16 39 | 2 4 | 14 36 | 2 44 | 8 29 | 0 46 | 12 1 | 1 52 | 18 50 | 1 53 | 19 59 | 0 48 | 4 3 | 2 7 | 34 44 | 17 0 | 20 46 | 20 55 | 22 14 | | | n.a. |
| S 25 | 5 3 | 26 21 | 3 42 | 16 32 | 2 12 | 15 2 | 2 47 | 8 12 | 0 45 | 12 4 | 1 52 | 18 48 | 1 53 | 20 0 | 0 48 | 4 2 | 2 7 | 34 44 | 16 59 | 20 45 | 20 54 | 22 12 | | | n.a. |
| M26 | 4 40 | 24 16 | 4 27 | 16 23 | 2 19 | 15 27 | 2 50 | 7 54 | 0 45 | 12 7 | 1 52 | 18 46 | 1 53 | 20 0 | 0 48 | 4 2 | 2 7 | 34 44 | 16 59 | 20 44 | 20 54 | 22 10 | | | n.a. |
| T 27 | 4 17 | 20 31 | 4 54 | 16 12 | 2 25 | 15 51 | 2 53 | 7 37 | 0 44 | 12 9 | 1 51 | 18 45 | 1 53 | 20 0 | 0 48 | 4 1 | 2 7 | 34 44 | 16 59 | 20 43 | 20 53 | 22 9 | | | n.a. |
| W28 | 3 53 | 15 24 | 5 2 | 15 59 | 2 31 | 16 15 | 2 56 | 7 20 | 0 44 | 12 12 | 1 51 | 18 43 | 1 53 | 20 1 | 0 48 | 4 1 | 2 7 | 34 44 | 16 59 | 20 41 | 20 52 | 22 7 | | | n.a. |
| T 29 | 3 30 | 9 22 | 4 48 | 15 44 | 2 35 | 16 39 | 2 59 | 7 3 | 0 43 | 12 14 | 1 51 | 18 41 | 1 54 | 20 1 | 0 48 | 4 0 | 2 7 | 34 44 | 16 58 | 20 38 | 20 52 | 22 5 | | | n.a. |
| F 30 | 3 7 | 2 51 | 4 16 | 15 27 | 2 39 | 17 2 | 3 2 | 6 45 | 0 43 | 12 17 | 1 51 | 18 39 | 1 54 | 20 2 | 0 48 | 4 0 | 2 7 | 34 44 | 16 58 | 20 36 | 20 51 | 22 4 | | | n.a. |
| S 31 | 2 s44 | 3 s40 | 3n27 | 15 s 8 | 2 s43 | 17n25 | 3n 5 | 6 s28 | 0 s42 | 12n19 | 1n51 | 18 s37 | 1 s54 | 20n 2 | 0n48 | 3 s59 | 2n 7 | 34n44 | 16n58 | 20n35 | 20n50 | 22 s 2 | | | n.a. |

Julian Day Number = 997922.5, Delta T = 12h54m40s
Ecliptic obliquity = 23°55'25, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°23'00, Lahiri = -31°15'59 Julian Calendar 1 March 1981 BCE == Greg. Calendar 13 Feb. 1981 BCE


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## APRIL 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 31 18 | 24♓12'16 | 1♏13 | 28♒34 | 9♉11 | 16♓14 | 2°R55 | 14♒37 | 5°R34 | 14°R44 | 8°R34 | 29°R59 | 1♊16 | 12♒42 | n.a. | S 1 |
| M 2 | 11 35 14 | 25° 9'47 | 14°52 | 29°42 | 10°11 | 16°57 | 2♍48 | 14°44 | 5♌33 | 14♎42 | 8♌33 | 29♉56 | 1°13 | 12°49 | n.a. | M 2 |
| T 3 | 11 39 11 | 26° 7'18 | 28° 3 | 0♓53 | 11°10 | 17°40 | 2°42 | 14°50 | 5°31 | 14°41 | 8°32 | 29°D55 | 1° 9 | 12°56 | n.a. | T 3 |
| W 4 | 11 43 7 | 27° 4'47 | 10♐49 | 2° 7 | 12° 9 | 18°22 | 2°35 | 14°57 | 5°30 | 14°39 | 8°31 | 29°56 | 1° 6 | 13° 2 | n.a. | W 4 |
| T 5 | 11 47 4 | 28° 2'15 | 23°14 | 3°24 | 13° 8 | 19° 5 | 2°29 | 15° 3 | 5°29 | 14°38 | 8°31 | 29°R56 | 1° 3 | 13° 9 | n.a. | T 5 |
| F 6 | 11 51 1 | 28°59'43 | 5♑24 | 4°43 | 14° 6 | 19°48 | 2°23 | 15° 9 | 5°28 | 14°36 | 8°30 | 29°56 | 1° 0 | 13°16 | n.a. | F 6 |
| S 7 | 11 54 57 | 29°57'09 | 17°22 | 6° 5 | 15° 4 | 20°30 | 2°17 | 15°16 | 5°26 | 14°34 | 8°29 | 29°55 | 0°57 | 13°23 | n.a. | S 7 |
| S 8 | 11 58 54 | 0♈54'35 | 29°14 | 7°29 | 16° 2 | 21°13 | 2°11 | 15°22 | 5°25 | 14°33 | 8°28 | 29°51 | 0°54 | 13°29 | n.a. | S 8 |
| M 9 | 12 2 50 | 1°51'59 | 11♒ 5 | 8°56 | 16°58 | 21°55 | 2° 5 | 15°28 | 5°24 | 14°31 | 8°27 | 29°45 | 0°50 | 13°36 | n.a. | M 9 |
| T 10 | 12 6 47 | 2°49'23 | 22°58 | 10°25 | 17°55 | 22°38 | 1°59 | 15°34 | 5°23 | 14°30 | 8°26 | 29°37 | 0°47 | 13°43 | n.a. | T 10 |
| W11 | 12 10 43 | 3°46'45 | 4♓56 | 11°57 | 18°51 | 23°20 | 1°53 | 15°40 | 5°22 | 14°28 | 8°25 | 29°27 | 0°44 | 13°49 | n.a. | W11 |
| T 12 | 12 14 40 | 4°44'06 | 17° 2 | 13°31 | 19°47 | 24° 2 | 1°48 | 15°46 | 5°21 | 14°27 | 8°25 | 29°17 | 0°41 | 13°56 | n.a. | T 12 |
| F 13 | 12 18 36 | 5°41'27 | 29°16 | 15° 7 | 20°42 | 24°45 | 1°43 | 15°52 | 5°20 | 14°25 | 8°24 | 29° 7 | 0°38 | 14° 3 | n.a. | F 13 |
| S 14 | 12 22 33 | 6°38'46 | 11♈42 | 16°46 | 21°36 | 25°27 | 1°37 | 15°58 | 5°20 | 14°23 | 8°23 | 28°58 | 0°35 | 14°10 | n.a. | S 14 |
| S 15 | 12 26 29 | 7°36'04 | 24°17 | 18°27 | 22°30 | 26° 9 | 1°32 | 16° 3 | 5°19 | 14°22 | 8°23 | 28°52 | 0°31 | 14°16 | n.a. | S 15 |
| M16 | 12 30 26 | 8°33'22 | 7♉ 4 | 20°11 | 23°23 | 26°51 | 1°27 | 16° 9 | 5°18 | 14°20 | 8°22 | 28°47 | 0°28 | 14°23 | n.a. | M16 |
| T 17 | 12 34 23 | 9°30'38 | 20° 3 | 21°56 | 24°16 | 27°33 | 1°23 | 16°15 | 5°17 | 14°19 | 8°21 | 28°45 | 0°25 | 14°30 | n.a. | T 17 |
| W18 | 12 38 19 | 10°27'53 | 3♊14 | 23°45 | 25° 8 | 28°15 | 1°18 | 16°20 | 5°17 | 14°17 | 8°21 | 28°D45 | 0°22 | 14°36 | n.a. | W18 |
| T 19 | 12 42 16 | 11°25'07 | 16°38 | 25°35 | 26° 0 | 28°57 | 1°14 | 16°26 | 5°16 | 14°15 | 8°20 | 28°46 | 0°19 | 14°43 | n.a. | T 19 |
| F 20 | 12 46 12 | 12°22'20 | 0♋18 | 27°28 | 26°51 | 29°39 | 1° 9 | 16°31 | 5°16 | 14°14 | 8°20 | 28°47 | 0°15 | 14°50 | n.a. | F 20 |
| S 21 | 12 50 9 | 13°19'32 | 14°12 | 29°23 | 27°41 | 0♈21 | 1° 5 | 16°37 | 5°15 | 14°12 | 8°19 | 28°R47 | 0°12 | 14°57 | n.a. | S 21 |
| S 22 | 12 54 5 | 14°16'43 | 28°22 | 1♈20 | 28°31 | 1° 2 | 1° 1 | 16°42 | 5°15 | 14°11 | 8°19 | 28°46 | 0° 9 | 15° 3 | n.a. | S 22 |
| M23 | 12 58 2 | 15°13'53 | 12♌45 | 3°19 | 29°19 | 1°44 | 0°58 | 16°47 | 5°14 | 14° 9 | 8°18 | 28°44 | 0° 6 | 15°10 | n.a. | M23 |
| T 24 | 13 1 59 | 16°11'01 | 27°19 | 5°21 | 0♊ 7 | 2°26 | 0°54 | 16°52 | 5°14 | 14° 7 | 8°18 | 28°39 | 0° 3 | 15°17 | n.a. | T 24 |
| W25 | 13 5 55 | 17° 8'09 | 11♍59 | 7°24 | 0°55 | 3° 7 | 0°50 | 16°57 | 5°14 | 14° 6 | 8°18 | 28°34 | 29♉59 | 15°23 | n.a. | W25 |
| T 26 | 13 9 52 | 18° 5'16 | 26°37 | 9°29 | 1°41 | 3°49 | 0°47 | 17° 2 | 5°14 | 14° 4 | 8°17 | 28°28 | 29°56 | 15°30 | n.a. | T 26 |
| F 27 | 13 13 48 | 19° 2'22 | 11♎ 7 | 11°35 | 2°27 | 4°31 | 0°44 | 17° 7 | 5°13 | 14° 2 | 8°17 | 28°22 | 29°53 | 15°37 | n.a. | F 27 |
| S 28 | 13 17 45 | 19°59'27 | 25°23 | 13°43 | 3°11 | 5°12 | 0°41 | 17°12 | 5°13 | 14° 1 | 8°17 | 28°18 | 29°50 | 15°44 | n.a. | S 28 |
| S 29 | 13 21 41 | 20°56'32 | 9♏19 | 15°52 | 3°55 | 5°53 | 0°38 | 17°17 | 5°13 | 13°59 | 8°17 | 28°14 | 29°47 | 15°50 | n.a. | S 29 |
| M30 | 13 25 38 | 21♈53'36 | 22♏52 | 18♈ 2 | 4♊38 | 6♈35 | 0♍36 | 17♒22 | 5°D13 | 13♎58 | 8♌16 | 28°D13 | 29♉44 | 15♒57 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s21 | 9s51 | 2n26 | 14s47 | 2s45 | 17n48 | 3n 7 | 6s10 | 0s42 | 12n21 | 1n51 | 18s35 | 1s54 | 20n 2 | 0n48 | 3s58 | 2n 7 | 34n44 | 16n57 | 20n33 | 20n50 | 22s 0 | | n.a. |
| M 2 | 1 58 | 15 22 | 1 19 | 14 24 | 2 47 | 18 10 | 3 10 | 5 53 | 0 41 | 12 24 | 1 51 | 18 34 | 1 54 | 20 3 | 0 48 | 3 58 | 2 7 | 34 44 | 16 57 | 20 33 | 20 49 | 21 59 | | n.a. |
| T 3 | 1 34 | 19 58 | 0 10 | 14 0 | 2 49 | 18 31 | 3 12 | 5 36 | 0 41 | 12 26 | 1 50 | 18 32 | 1 54 | 20 3 | 0 48 | 3 57 | 2 7 | 34 44 | 16 56 | 20 33 | 20 48 | 21 57 | | n.a. |
| W 4 | 1 11 | 23 28 | 0s58 | 13 33 | 2 49 | 18 52 | 3 15 | 5 18 | 0 40 | 12 28 | 1 50 | 18 30 | 1 55 | 20 3 | 0 48 | 3 57 | 2 7 | 34 44 | 16 56 | 20 33 | 20 48 | 21 55 | | n.a. |
| T 5 | 0 48 | 25 46 | 2 1 | 13 5 | 2 49 | 19 13 | 3 17 | 5 1 | 0 40 | 12 30 | 1 50 | 18 28 | 1 55 | 20 3 | 0 48 | 3 56 | 2 7 | 34 44 | 16 56 | 20 33 | 20 47 | 21 53 | | n.a. |
| F 6 | 0 24 | 26 46 | 2 57 | 12 34 | 2 48 | 19 33 | 3 19 | 4 43 | 0 39 | 12 32 | 1 50 | 18 27 | 1 55 | 20 4 | 0 48 | 3 55 | 2 7 | 34 44 | 16 55 | 20 33 | 20 46 | 21 52 | | n.a. |
| S 7 | 0 1 | 26 29 | 3 45 | 12 2 | 2 47 | 19 53 | 3 21 | 4 26 | 0 39 | 12 34 | 1 50 | 18 25 | 1 55 | 20 4 | 0 48 | 3 55 | 2 7 | 34 44 | 16 55 | 20 32 | 20 46 | 21 50 | | n.a. |
| S 8 | 0n22 | 25 0 | 4 23 | 11 28 | 2 45 | 20 12 | 3 23 | 4 8 | 0 38 | 12 37 | 1 49 | 18 23 | 1 55 | 20 4 | 0 48 | 3 54 | 2 7 | 34 44 | 16 54 | 20 32 | 20 45 | 21 48 | | n.a. |
| M 9 | 0 45 | 22 25 | 4 49 | 10 53 | 2 42 | 20 31 | 3 25 | 3 51 | 0 38 | 12 38 | 1 49 | 18 22 | 1 56 | 20 4 | 0 48 | 3 53 | 2 7 | 34 43 | 16 54 | 20 30 | 20 44 | 21 46 | | n.a. |
| T 10 | 1 9 | 18 53 | 5 2 | 10 15 | 2 39 | 20 49 | 3 27 | 3 33 | 0 37 | 12 40 | 1 49 | 18 20 | 1 56 | 20 5 | 0 48 | 3 53 | 2 7 | 34 43 | 16 54 | 20 29 | 20 44 | 21 45 | | n.a. |
| W11 | 1 32 | 14 35 | 5 3 | 9 36 | 2 35 | 21 6 | 3 28 | 3 15 | 0 37 | 12 42 | 1 49 | 18 18 | 1 56 | 20 5 | 0 48 | 3 52 | 2 7 | 34 43 | 16 53 | 20 26 | 20 43 | 21 43 | | n.a. |
| T 12 | 1 55 | 9 40 | 4 50 | 8 55 | 2 31 | 21 24 | 3 30 | 2 58 | 0 36 | 12 44 | 1 49 | 18 17 | 1 56 | 20 5 | 0 48 | 3 52 | 2 7 | 34 43 | 16 53 | 20 24 | 20 42 | 21 41 | | n.a. |
| F 13 | 2 18 | 4 19 | 4 24 | 8 12 | 2 26 | 21 40 | 3 31 | 2 40 | 0 36 | 12 46 | 1 48 | 18 15 | 1 56 | 20 5 | 0 48 | 3 51 | 2 7 | 34 43 | 16 52 | 20 22 | 20 42 | 21 39 | | n.a. |
| S 14 | 2 41 | 1n17 | 3 45 | 7 28 | 2 20 | 21 56 | 3 32 | 2 23 | 0 35 | 12 47 | 1 48 | 18 13 | 1 57 | 20 5 | 0 48 | 3 50 | 2 7 | 34 42 | 16 52 | 20 20 | 20 41 | 21 37 | | n.a. |
| S 15 | 3 4 | 6 55 | 2 54 | 6 42 | 2 14 | 22 12 | 3 33 | 2 5 | 0 35 | 12 49 | 1 48 | 18 12 | 1 57 | 20 6 | 0 48 | 3 50 | 2 7 | 34 42 | 16 52 | 20 19 | 20 40 | 21 36 | | n.a. |
| M16 | 3 28 | 12 22 | 1 54 | 5 55 | 2 7 | 22 27 | 3 34 | 1 48 | 0 34 | 12 51 | 1 48 | 18 10 | 1 57 | 20 6 | 0 48 | 3 49 | 2 7 | 34 42 | 16 51 | 20 18 | 20 40 | 21 34 | | n.a. |
| T 17 | 3 51 | 17 22 | 0 47 | 5 5 | 2 0 | 22 41 | 3 35 | 1 30 | 0 34 | 12 52 | 1 48 | 18 9 | 1 57 | 20 6 | 0 48 | 3 48 | 2 7 | 34 42 | 16 51 | 20 17 | 20 39 | 21 32 | | n.a. |
| W18 | 4 13 | 21 37 | 0n24 | 4 15 | 1 52 | 22 55 | 3 35 | 1 13 | 0 33 | 12 54 | 1 47 | 18 7 | 1 57 | 20 6 | 0 48 | 3 48 | 2 7 | 34 42 | 16 50 | 20 17 | 20 38 | 21 30 | | n.a. |
| T 19 | 4 36 | 24 49 | 1 35 | 3 22 | 1 44 | 23 8 | 3 36 | 0 55 | 0 32 | 12 55 | 1 47 | 18 6 | 1 58 | 20 6 | 0 48 | 3 47 | 2 7 | 34 41 | 16 50 | 20 17 | 20 38 | 21 28 | | n.a. |
| F 20 | 4 59 | 26 37 | 2 42 | 2 29 | 1 35 | 23 21 | 3 36 | 0 38 | 0 32 | 12 56 | 1 47 | 18 4 | 1 58 | 20 6 | 0 47 | 3 46 | 2 7 | 34 41 | 16 49 | 20 17 | 20 37 | 21 27 | | n.a. |
| S 21 | 5 22 | 26 48 | 3 40 | 1 34 | 1 26 | 23 33 | 3 36 | 0 20 | 0 31 | 12 58 | 1 47 | 18 3 | 1 58 | 20 6 | 0 47 | 3 46 | 2 7 | 34 41 | 16 49 | 20 18 | 20 36 | 21 25 | | n.a. |
| S 22 | 5 44 | 25 15 | 4 27 | 0 38 | 1 17 | 23 44 | 3 36 | 0 3 | 0 31 | 12 59 | 1 46 | 18 1 | 1 58 | 20 6 | 0 47 | 3 45 | 2 7 | 34 40 | 16 48 | 20 17 | 20 36 | 21 23 | | n.a. |
| M23 | 6 7 | 22 3 | 4 57 | 0n20 | 1 7 | 23 55 | 3 36 | 0n15 | 0 30 | 13 0 | 1 46 | 18 0 | 1 58 | 20 6 | 0 47 | 3 45 | 2 7 | 34 40 | 16 48 | 20 17 | 20 35 | 21 21 | | n.a. |
| T 24 | 6 29 | 17 28 | 5 9 | 1 18 | 0 57 | 24 5 | 3 35 | 0 32 | 0 30 | 13 1 | 1 46 | 17 59 | 1 59 | 20 6 | 0 47 | 3 44 | 2 7 | 34 40 | 16 47 | 20 16 | 20 34 | 21 19 | | n.a. |
| W25 | 6 52 | 11 49 | 5 0 | 2 17 | 0 47 | 24 15 | 3 34 | 0 49 | 0 29 | 13 2 | 1 45 | 17 57 | 1 59 | 20 6 | 0 47 | 3 43 | 2 7 | 34 39 | 16 47 | 20 15 | 20 34 | 21 17 | | n.a. |
| T 26 | 7 14 | 5 32 | 4 33 | 3 17 | 0 36 | 24 24 | 3 34 | 1 7 | 0 29 | 13 3 | 1 45 | 17 56 | 1 59 | 20 6 | 0 47 | 3 43 | 2 7 | 34 39 | 16 47 | 20 13 | 20 33 | 21 15 | | n.a. |
| F 27 | 7 36 | 1s 1 | 3 48 | 4 17 | 0 25 | 24 32 | 3 33 | 1 24 | 0 28 | 13 4 | 1 45 | 17 55 | 1 59 | 20 6 | 0 47 | 3 42 | 2 7 | 34 39 | 16 46 | 20 12 | 20 32 | 21 14 | | n.a. |
| S 28 | 7 58 | 7 24 | 2 49 | 5 18 | 0 15 | 24 40 | 3 31 | 1 41 | 0 28 | 13 5 | 1 45 | 17 53 | 2 0 | 20 6 | 0 47 | 3 41 | 2 7 | 34 38 | 16 46 | 20 11 | 20 31 | 21 12 | | n.a. |
| S 29 | 8 20 | 13 18 | 1 41 | 6 18 | 0 4 | 24 47 | 3 30 | 1 58 | 0 27 | 13 5 | 1 44 | 17 52 | 2 0 | 20 6 | 0 47 | 3 41 | 2 7 | 34 38 | 16 45 | 20 10 | 20 31 | 21 10 | | n.a. |
| M30 | 8n42 | 18s24 | 0n29 | 7n19 | 0n 7 | 24n54 | 3n28 | 2n16 | 0s26 | 13n 6 | 1n44 | 17s51 | 2s 0 | 20n 6 | 0n47 | 3s40 | 2n 7 | 34n37 | 16n45 | 20n10 | 20n30 | 21s 8 | | n.a. |

Julian Day Number = 997953.5, Delta T = 12h54m38s
Ecliptic obliquity = 23°55'25, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'56, Lahiri = -31°15'55 Julian Calendar 1 Apr. 1981 BCE == Greg. Calendar 15 March 1981 BCE


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## MAY 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 29 34 | 22♈50'41 | 6♐ 2 | 20♈13 | 5♊20 | 7♈16 | 0°R33 | 17♒26 | 5♌13 | 13°R56 | 8°R16 | 28♉13 | 29♉41 | 16♒ 4 | n.a. | T 1 |
| W 2 | 13 33 31 | 23°47'45 | 18°49 | 22°24 | 6° 0 | 7°57 | 0♍31 | 17°31 | 5°13 | 13♎54 | 8♌16 | 28°14 | 29°37 | 16°11 | n.a. | W 2 |
| T 3 | 13 37 28 | 24°44'48 | 1♑17 | 24°36 | 6°40 | 8°39 | 0°29 | 17°35 | 5°14 | 13°53 | 8°16 | 28°16 | 29°34 | 16°17 | n.a. | T 3 |
| F 4 | 13 41 24 | 25°41'52 | 13°29 | 26°47 | 7°19 | 9°20 | 0°27 | 17°40 | 5°14 | 13°51 | 8°16 | 28°17 | 29°31 | 16°24 | n.a. | F 4 |
| S 5 | 13 45 21 | 26°38'56 | 25°29 | 28°58 | 7°56 | 10° 1 | 0°25 | 17°44 | 5°14 | 13°50 | 8°D16 | 28°R18 | 29°28 | 16°31 | n.a. | S 5 |
| S 6 | 13 49 17 | 27°35'59 | 7♒24 | 1♉ 8 | 8°32 | 10°42 | 0°24 | 17°48 | 5°14 | 13°48 | 8°16 | 28°17 | 29°25 | 16°37 | n.a. | S 6 |
| M 7 | 13 53 14 | 28°33'03 | 19°16 | 3°17 | 9° 7 | 11°23 | 0°22 | 17°53 | 5°15 | 13°47 | 8°16 | 28°16 | 29°21 | 16°44 | n.a. | M 7 |
| T 8 | 13 57 10 | 29°30'06 | 1♓12 | 5°26 | 9°41 | 12° 4 | 0°21 | 17°57 | 5°15 | 13°45 | 8°16 | 28°13 | 29°18 | 16°51 | n.a. | T 8 |
| W 9 | 14 1 7 | 0♉27'09 | 13°14 | 7°33 | 10°14 | 12°45 | 0°20 | 18° 1 | 5°16 | 13°44 | 8°16 | 28° 9 | 29°15 | 16°58 | n.a. | W 9 |
| T 10 | 14 5 4 | 1°24'13 | 25°26 | 9°38 | 10°45 | 13°26 | 0°19 | 18° 5 | 5°16 | 13°42 | 8°16 | 28° 5 | 29°12 | 17° 4 | n.a. | T 10 |
| F 11 | 14 9 0 | 2°21'16 | 7♈50 | 11°42 | 11°15 | 14° 7 | 0°19 | 18° 8 | 5°17 | 13°40 | 8°16 | 28° 0 | 29° 9 | 17°11 | n.a. | F 11 |
| S 12 | 14 12 57 | 3°18'20 | 20°28 | 13°44 | 11°43 | 14°47 | 0°18 | 18°12 | 5°17 | 13°39 | 8°17 | 27°57 | 29° 6 | 17°18 | n.a. | S 12 |
| S 13 | 14 16 53 | 4°15'23 | 3♉21 | 15°45 | 12° 9 | 15°28 | 0°18 | 18°16 | 5°18 | 13°37 | 8°17 | 27°54 | 29° 2 | 17°24 | n.a. | S 13 |
| M14 | 14 20 50 | 5°12'26 | 16°28 | 17°43 | 12°35 | 16° 9 | 0°D18 | 18°19 | 5°19 | 13°36 | 8°17 | 27°52 | 28°59 | 17°31 | n.a. | M14 |
| T 15 | 14 24 46 | 6° 9'30 | 29°49 | 19°40 | 12°58 | 16°49 | 0°18 | 18°23 | 5°20 | 13°35 | 8°17 | 27°D52 | 28°56 | 17°38 | n.a. | T 15 |
| W16 | 14 28 43 | 7° 6'33 | 13♊23 | 21°35 | 13°20 | 17°30 | 0°18 | 18°26 | 5°20 | 13°33 | 8°18 | 27°53 | 28°53 | 17°45 | n.a. | W16 |
| T 17 | 14 32 39 | 8° 3'36 | 27° 8 | 23°27 | 13°40 | 18°11 | 0°18 | 18°29 | 5°21 | 13°32 | 8°18 | 27°54 | 28°50 | 17°51 | n.a. | T 17 |
| F 18 | 14 36 36 | 9° 0'40 | 11♋ 4 | 25°18 | 13°58 | 18°51 | 0°19 | 18°33 | 5°22 | 13°30 | 8°19 | 27°55 | 28°46 | 17°58 | n.a. | F 18 |
| S 19 | 14 40 33 | 9°57'43 | 25° 8 | 27° 7 | 14°14 | 19°32 | 0°20 | 18°36 | 5°23 | 13°29 | 8°19 | 27°56 | 28°43 | 18° 5 | n.a. | S 19 |
| S 20 | 14 44 29 | 10°54'46 | 9♌18 | 28°53 | 14°29 | 20°12 | 0°21 | 18°39 | 5°24 | 13°27 | 8°19 | 27°R57 | 28°40 | 18°12 | n.a. | S 20 |
| M21 | 14 48 26 | 11°51'48 | 23°33 | 0♊38 | 14°41 | 20°52 | 0°22 | 18°42 | 5°25 | 13°26 | 8°20 | 27°56 | 28°37 | 18°18 | n.a. | M21 |
| T 22 | 14 52 22 | 12°48'51 | 7♍51 | 2°20 | 14°51 | 21°33 | 0°23 | 18°44 | 5°27 | 13°25 | 8°20 | 27°55 | 28°34 | 18°25 | n.a. | T 22 |
| W23 | 14 56 19 | 13°45'53 | 22° 7 | 4° 1 | 14°59 | 22°13 | 0°25 | 18°47 | 5°28 | 13°23 | 8°21 | 27°54 | 28°31 | 18°32 | n.a. | W23 |
| T 24 | 15 0 15 | 14°42'56 | 6♎18 | 5°39 | 15° 5 | 22°53 | 0°27 | 18°50 | 5°29 | 13°22 | 8°22 | 27°52 | 28°27 | 18°38 | n.a. | T 24 |
| F 25 | 15 4 12 | 15°39'59 | 20°21 | 7°15 | 15° 9 | 23°33 | 0°28 | 18°52 | 5°30 | 13°21 | 8°22 | 27°51 | 28°24 | 18°45 | n.a. | F 25 |
| S 26 | 15 8 9 | 16°37'02 | 4♏11 | 8°49 | 15°R10 | 24°13 | 0°31 | 18°55 | 5°32 | 13°19 | 8°23 | 27°50 | 28°21 | 18°52 | n.a. | S 26 |
| S 27 | 15 12 5 | 17°34'05 | 17°47 | 10°21 | 15° 9 | 24°53 | 0°33 | 18°57 | 5°33 | 13°18 | 8°24 | 27°49 | 28°18 | 18°59 | n.a. | S 27 |
| M28 | 15 16 2 | 18°31'09 | 1♐ 5 | 11°52 | 15° 6 | 25°33 | 0°35 | 18°59 | 5°35 | 13°17 | 8°24 | 27°D49 | 28°15 | 19° 5 | n.a. | M28 |
| T 29 | 15 19 58 | 19°28'14 | 14° 4 | 13°19 | 15° 0 | 26°13 | 0°38 | 19° 2 | 5°36 | 13°16 | 8°25 | 27°49 | 28°12 | 19°12 | n.a. | T 29 |
| W30 | 15 23 55 | 20°25'19 | 26°46 | 14°45 | 14°52 | 26°53 | 0°40 | 19° 4 | 5°38 | 13°14 | 8°26 | 27°50 | 28° 8 | 19°19 | n.a. | W30 |
| T 31 | 15 27 51 | 21♉22'25 | 9♑12 | 16♊ 9 | 14♊42 | 27♈33 | 0♍43 | 19♒ 5 | 5♌39 | 13♎13 | 8♌27 | 27♉50 | 28♉ 5 | 19♒25 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 9n 3 | 22s27 | 0s42 | 8n19 | 0n17 | 25n 0 | 3n26 | 2n33 | 0s26 | 13n 7 | 1n44 | 17s49 | 2s 0 | 20n 6 | 0n47 | 3s40 | 2n 7 | 34n37 | 16n44 | 20n10 | 20n29 | 21s 6 | | | n.a. |
| W 2 | 9 25 | 25 16 | 1 50 | 9 19 | 0 27 | 25 5 | 3 24 | 2 50 | 0 25 | 13 7 | 1 43 | 17 48 | 2 1 | 20 6 | 0 47 | 3 39 | 2 7 | 34 37 | 16 44 | 20 10 | 20 29 | 21 4 | | | n.a. |
| T 3 | 9 46 | 26 46 | 2 51 | 10 18 | 0 37 | 25 10 | 3 21 | 3 7 | 0 25 | 13 8 | 1 43 | 17 47 | 2 1 | 20 6 | 0 47 | 3 38 | 2 7 | 34 36 | 16 43 | 20 11 | 20 28 | 21 2 | | | n.a. |
| F 4 | 10 8 | 26 54 | 3 42 | 11 15 | 0 47 | 25 14 | 3 19 | 3 24 | 0 24 | 13 8 | 1 43 | 17 46 | 2 1 | 20 6 | 0 47 | 3 38 | 2 7 | 34 36 | 16 43 | 20 11 | 20 27 | 21 0 | | | n.a. |
| S 5 | 10 29 | 25 46 | 4 23 | 12 12 | 0 56 | 25 17 | 3 16 | 3 41 | 0 24 | 13 8 | 1 43 | 17 45 | 2 1 | 20 6 | 0 47 | 3 37 | 2 7 | 34 35 | 16 42 | 20 11 | 20 27 | 20 58 | | | n.a. |
| S 6 | 10 50 | 23 29 | 4 52 | 13 7 | 1 5 | 25 20 | 3 13 | 3 58 | 0 23 | 13 9 | 1 42 | 17 44 | 2 2 | 20 6 | 0 47 | 3 37 | 2 7 | 34 35 | 16 42 | 20 11 | 20 26 | 20 56 | | | n.a. |
| M 7 | 11 10 | 20 13 | 5 9 | 14 0 | 1 13 | 25 23 | 3 9 | 4 15 | 0 22 | 13 9 | 1 42 | 17 43 | 2 2 | 20 6 | 0 47 | 3 36 | 2 7 | 34 34 | 16 41 | 20 10 | 20 25 | 20 55 | | | n.a. |
| T 8 | 11 31 | 16 6 | 5 12 | 14 52 | 1 21 | 25 24 | 3 5 | 4 32 | 0 22 | 13 9 | 1 42 | 17 42 | 2 2 | 20 6 | 0 47 | 3 35 | 2 7 | 34 34 | 16 41 | 20 10 | 20 24 | 20 53 | | | n.a. |
| W 9 | 11 52 | 11 21 | 5 2 | 15 41 | 1 28 | 25 25 | 3 1 | 4 48 | 0 21 | 13 9 | 1 41 | 17 41 | 2 2 | 20 5 | 0 47 | 3 35 | 2 7 | 34 33 | 16 40 | 20 9 | 20 24 | 20 51 | | | n.a. |
| T 10 | 12 12 | 6 5 | 4 38 | 16 29 | 1 34 | 25 25 | 2 57 | 5 5 | 0 21 | 13 9 | 1 41 | 17 40 | 2 3 | 20 5 | 0 47 | 3 34 | 2 7 | 34 33 | 16 40 | 20 8 | 20 23 | 20 49 | | | n.a. |
| F 11 | 12 32 | 0 30 | 4 1 | 17 14 | 1 40 | 25 25 | 2 52 | 5 22 | 0 20 | 13 9 | 1 41 | 17 39 | 2 3 | 20 5 | 0 47 | 3 34 | 2 7 | 34 32 | 16 39 | 20 7 | 20 22 | 20 47 | | | n.a. |
| S 12 | 12 52 | 5n13 | 3 11 | 17 57 | 1 45 | 25 24 | 2 47 | 5 39 | 0 20 | 13 9 | 1 40 | 17 38 | 2 3 | 20 5 | 0 47 | 3 33 | 2 7 | 34 32 | 16 39 | 20 6 | 20 22 | 20 45 | | | n.a. |
| S 13 | 13 12 | 10 50 | 2 11 | 18 38 | 1 50 | 25 23 | 2 42 | 5 55 | 0 19 | 13 9 | 1 40 | 17 37 | 2 3 | 20 5 | 0 47 | 3 32 | 2 7 | 34 31 | 16 38 | 20 5 | 20 21 | 20 43 | | | n.a. |
| M14 | 13 31 | 16 6 | 1 2 | 19 17 | 1 54 | 25 20 | 2 36 | 6 12 | 0 18 | 13 9 | 1 40 | 17 36 | 2 4 | 20 4 | 0 47 | 3 32 | 2 7 | 34 31 | 16 38 | 20 5 | 20 20 | 20 41 | | | n.a. |
| T 15 | 13 51 | 20 42 | 0n11 | 19 53 | 1 57 | 25 18 | 2 30 | 6 28 | 0 18 | 13 8 | 1 40 | 17 35 | 2 4 | 20 4 | 0 46 | 3 31 | 2 7 | 34 30 | 16 37 | 20 5 | 20 20 | 20 39 | | | n.a. |
| W16 | 14 10 | 24 16 | 1 24 | 20 27 | 1 59 | 25 14 | 2 24 | 6 44 | 0 17 | 13 8 | 1 39 | 17 34 | 2 4 | 20 4 | 0 46 | 3 31 | 2 7 | 34 29 | 16 37 | 20 5 | 20 19 | 20 37 | | | n.a. |
| T 17 | 14 29 | 26 28 | 2 34 | 20 58 | 2 1 | 25 10 | 2 17 | 7 1 | 0 17 | 13 7 | 1 39 | 17 33 | 2 4 | 20 4 | 0 46 | 3 30 | 2 7 | 34 29 | 16 36 | 20 5 | 20 18 | 20 35 | | | n.a. |
| F 18 | 14 47 | 27 2 | 3 36 | 21 27 | 2 2 | 25 5 | 2 10 | 7 17 | 0 16 | 13 7 | 1 39 | 17 33 | 2 5 | 20 3 | 0 46 | 3 30 | 2 7 | 34 28 | 16 36 | 20 6 | 20 17 | 20 33 | | | n.a. |
| S 19 | 15 6 | 25 53 | 4 25 | 21 54 | 2 3 | 25 0 | 2 3 | 7 33 | 0 15 | 13 6 | 1 38 | 17 32 | 2 5 | 20 3 | 0 46 | 3 29 | 2 7 | 34 28 | 16 35 | 20 6 | 20 17 | 20 31 | | | n.a. |
| S 20 | 15 24 | 23 5 | 4 59 | 22 19 | 2 3 | 24 54 | 1 55 | 7 49 | 0 15 | 13 6 | 1 38 | 17 31 | 2 5 | 20 3 | 0 46 | 3 29 | 2 7 | 34 27 | 16 35 | 20 6 | 20 16 | 20 29 | | | n.a. |
| M21 | 15 42 | 18 52 | 5 14 | 22 41 | 2 2 | 24 47 | 1 46 | 8 5 | 0 14 | 13 5 | 1 38 | 17 31 | 2 6 | 20 3 | 0 46 | 3 28 | 2 6 | 34 26 | 16 34 | 20 6 | 20 15 | 20 27 | | | n.a. |
| T 22 | 16 0 | 13 35 | 5 11 | 23 1 | 2 1 | 24 40 | 1 38 | 8 21 | 0 14 | 13 4 | 1 37 | 17 30 | 2 6 | 20 2 | 0 46 | 3 28 | 2 6 | 34 26 | 16 34 | 20 6 | 20 15 | 20 25 | | | n.a. |
| W23 | 16 17 | 7 35 | 4 48 | 23 19 | 1 59 | 24 32 | 1 29 | 8 37 | 0 13 | 13 3 | 1 37 | 17 29 | 2 6 | 20 2 | 0 46 | 3 27 | 2 6 | 34 25 | 16 33 | 20 5 | 20 14 | 20 23 | | | n.a. |
| T 24 | 16 35 | 1 13 | 4 7 | 23 35 | 1 56 | 24 23 | 1 19 | 8 53 | 0 12 | 13 3 | 1 37 | 17 29 | 2 6 | 20 2 | 0 46 | 3 27 | 2 6 | 34 25 | 16 33 | 20 5 | 20 13 | 20 21 | | | n.a. |
| F 25 | 16 52 | 5s 9 | 3 12 | 23 49 | 1 53 | 24 14 | 1 10 | 9 9 | 0 12 | 13 2 | 1 36 | 17 28 | 2 7 | 20 1 | 0 46 | 3 26 | 2 6 | 34 24 | 16 32 | 20 5 | 20 12 | 20 19 | | | n.a. |
| S 26 | 17 8 | 11 11 | 2 7 | 24 1 | 1 49 | 24 4 | 0 59 | 9 24 | 0 11 | 13 1 | 1 36 | 17 28 | 2 7 | 20 1 | 0 46 | 3 26 | 2 6 | 34 23 | 16 32 | 20 4 | 20 12 | 20 17 | | | n.a. |
| S 27 | 17 25 | 16 36 | 0 55 | 24 11 | 1 45 | 23 53 | 0 49 | 9 40 | 0 11 | 12 59 | 1 36 | 17 27 | 2 7 | 20 0 | 0 46 | 3 25 | 2 6 | 34 23 | 16 31 | 20 4 | 20 11 | 20 15 | | | n.a. |
| M28 | 17 41 | 21 5 | 0s18 | 24 19 | 1 40 | 23 42 | 0 38 | 9 55 | 0 10 | 12 58 | 1 35 | 17 27 | 2 7 | 20 0 | 0 46 | 3 25 | 2 6 | 34 22 | 16 31 | 20 4 | 20 10 | 20 13 | | | n.a. |
| T 29 | 17 57 | 24 25 | 1 29 | 24 26 | 1 35 | 23 30 | 0 26 | 10 11 | 0 9 | 12 57 | 1 35 | 17 26 | 2 8 | 20 0 | 0 46 | 3 24 | 2 6 | 34 21 | 16 30 | 20 4 | 20 10 | 20 11 | | | n.a. |
| W30 | 18 13 | 26 26 | 2 34 | 24 30 | 1 29 | 23 17 | 0 15 | 10 26 | 0 9 | 12 56 | 1 35 | 17 26 | 2 8 | 19 59 | 0 46 | 3 24 | 2 6 | 34 21 | 16 30 | 20 4 | 20 9 | 20 9 | | | n.a. |
| T 31 | 18n28 | 27s 5 | 3s30 | 24n33 | 1n23 | 23n 4 | 0n 2 | 10n41 | 0s 8 | 12n54 | 1n35 | 17s26 | 2s 8 | 19n59 | 0n46 | 3s24 | 2n 6 | 34n20 | 16n29 | 20n 5 | 20n 8 | 20s 6 | | | n.a. |

Julian Day Number = 997983.5, Delta T = 12h54m36s
Ecliptic obliquity = 23°55'25, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'52, Lahiri = -31°15'51 Julian Calendar 1 May 1981 BCE == Greg. Calendar 14 Apr. 1981 BCE

The year -1980 astronomical counting style corresponds to year 1981 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## JUNE 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 31 48 | 22♉19'31 | 21♋24 | 17♊30 | 14°R29 | 28♈13 | 0♍46 | 19♒ 7 | 5♌41 | 13°R12 | 8♌27 | 27♉51 | 28♉ 2 | 19♒32 | n.a. | F 1 |
| S 2 | 15 35 45 | 23°16'39 | 3♒25 | 18°49 | 14♊14 | 28°53 | 0°50 | 19° 9 | 5°43 | 13♎11 | 8°28 | 27°51 | 27°59 | 19°39 | n.a. | S 2 |
| S 3 | 15 39 41 | 24°13'47 | 15°20 | 20° 6 | 13°57 | 29°32 | 0°53 | 19°11 | 5°44 | 13°10 | 8°29 | 27°52 | 27°56 | 19°46 | n.a. | S 3 |
| M 4 | 15 43 38 | 25°10'56 | 27°14 | 21°21 | 13°37 | 0♉12 | 0°57 | 19°12 | 5°46 | 13° 9 | 8°30 | 27°R52 | 27°52 | 19°52 | n.a. | M 4 |
| T 5 | 15 47 34 | 26° 8'07 | 9♓10 | 22°33 | 13°16 | 0°52 | 1° 0 | 19°14 | 5°48 | 13° 8 | 8°31 | 27°52 | 27°49 | 19°59 | n.a. | T 5 |
| W 6 | 15 51 31 | 27° 5'18 | 21°13 | 23°42 | 12°52 | 1°31 | 1° 4 | 19°15 | 5°50 | 13° 7 | 8°32 | 27°52 | 27°46 | 20° 6 | n.a. | W 6 |
| T 7 | 15 55 27 | 28° 2'30 | 3♈28 | 24°50 | 12°26 | 2°11 | 1° 8 | 19°16 | 5°52 | 13° 6 | 8°33 | 27°D52 | 27°43 | 20°13 | n.a. | T 7 |
| F 8 | 15 59 24 | 28°59'43 | 15°58 | 25°54 | 11°58 | 2°51 | 1°13 | 19°17 | 5°54 | 13° 4 | 8°34 | 27°52 | 27°40 | 20°19 | n.a. | F 8 |
| S 9 | 16 3 20 | 29°56'58 | 28°45 | 26°56 | 11°29 | 3°30 | 1°17 | 19°18 | 5°56 | 13° 4 | 8°35 | 27°52 | 27°37 | 20°26 | n.a. | S 9 |
| S 10 | 16 7 17 | 0♊54'13 | 11♉52 | 27°55 | 10°57 | 4° 9 | 1°22 | 19°19 | 5°58 | 13° 3 | 8°36 | 27°52 | 27°33 | 20°33 | n.a. | S 10 |
| M11 | 16 11 14 | 1°51'29 | 25°18 | 28°51 | 10°25 | 4°49 | 1°26 | 19°20 | 6° 0 | 13° 2 | 8°38 | 27°R52 | 27°30 | 20°39 | n.a. | M11 |
| T 12 | 16 15 10 | 2°48'47 | 9♊ 2 | 29°43 | 9°51 | 5°28 | 1°31 | 19°21 | 6° 2 | 13° 1 | 8°39 | 27°52 | 27°27 | 20°46 | n.a. | T 12 |
| W13 | 16 19 7 | 3°46'05 | 23° 3 | 0♋33 | 9°16 | 6° 7 | 1°36 | 19°21 | 6° 4 | 13° 0 | 8°40 | 27°52 | 27°24 | 20°53 | n.a. | W13 |
| T 14 | 16 23 3 | 4°43'25 | 7♋15 | 1°19 | 8°40 | 6°47 | 1°41 | 19°22 | 6° 7 | 12°59 | 8°41 | 27°51 | 27°21 | 21° 0 | n.a. | T 14 |
| F 15 | 16 27 0 | 5°40'45 | 21°35 | 2° 2 | 8° 4 | 7°26 | 1°47 | 19°22 | 6° 9 | 12°58 | 8°42 | 27°50 | 27°18 | 21° 6 | n.a. | F 15 |
| S 16 | 16 30 56 | 6°38'06 | 5♌58 | 2°41 | 7°27 | 8° 5 | 1°52 | 19°23 | 6°11 | 12°57 | 8°44 | 27°49 | 27°14 | 21°13 | n.a. | S 16 |
| S 17 | 16 34 53 | 7°35'28 | 20°21 | 3°16 | 6°50 | 8°44 | 1°58 | 19°23 | 6°14 | 12°57 | 8°45 | 27°49 | 27°11 | 21°20 | n.a. | S 17 |
| M18 | 16 38 50 | 8°32'51 | 4♍38 | 3°47 | 6°13 | 9°23 | 2° 4 | 19°R23 | 6°16 | 12°56 | 8°46 | 27°D48 | 27° 8 | 21°27 | n.a. | M18 |
| T 19 | 16 42 46 | 9°30'14 | 18°47 | 4°14 | 5°36 | 10° 2 | 2°10 | 19°23 | 6°18 | 12°55 | 8°48 | 27°48 | 27° 5 | 21°33 | n.a. | T 19 |
| W20 | 16 46 43 | 10°27'38 | 2♎47 | 4°36 | 5° 0 | 10°41 | 2°16 | 19°23 | 6°21 | 12°54 | 8°49 | 27°49 | 27° 2 | 21°40 | n.a. | W20 |
| T 21 | 16 50 39 | 11°25'04 | 16°36 | 4°54 | 4°25 | 11°20 | 2°22 | 19°22 | 6°23 | 12°54 | 8°51 | 27°50 | 26°58 | 21°47 | n.a. | T 21 |
| F 22 | 16 54 36 | 12°22'30 | 0♏13 | 5° 7 | 3°50 | 11°59 | 2°28 | 19°22 | 6°26 | 12°53 | 8°52 | 27°51 | 26°55 | 21°53 | n.a. | F 22 |
| S 23 | 16 58 32 | 13°19'57 | 13°37 | 5°15 | 3°17 | 12°38 | 2°35 | 19°22 | 6°29 | 12°53 | 8°54 | 27°52 | 26°52 | 22° 0 | n.a. | S 23 |
| S 24 | 17 2 29 | 14°17'26 | 26°48 | 5°R17 | 2°45 | 13°17 | 2°41 | 19°21 | 6°31 | 12°52 | 8°55 | 27°R52 | 26°49 | 22° 7 | n.a. | S 24 |
| M25 | 17 6 25 | 15°14'56 | 9♐45 | 5°15 | 2°15 | 13°55 | 2°48 | 19°20 | 6°34 | 12°51 | 8°57 | 27°52 | 26°46 | 22°14 | n.a. | M25 |
| T 26 | 17 10 22 | 16°12'27 | 22°29 | 5° 7 | 1°46 | 14°34 | 2°55 | 19°20 | 6°37 | 12°51 | 8°58 | 27°51 | 26°43 | 22°20 | n.a. | T 26 |
| W27 | 17 14 19 | 17°10'00 | 5♑ 0 | 4°53 | 1°20 | 15°13 | 3° 2 | 19°19 | 6°39 | 12°50 | 9° 0 | 27°49 | 26°39 | 22°27 | n.a. | W27 |
| T 28 | 17 18 15 | 18° 7'34 | 17°19 | 4°34 | 0°55 | 15°51 | 3° 9 | 19°18 | 6°42 | 12°50 | 9° 1 | 27°46 | 26°36 | 22°34 | n.a. | T 28 |
| F 29 | 17 22 12 | 19° 5'10 | 29°27 | 4°10 | 0°32 | 16°30 | 3°17 | 19°17 | 6°45 | 12°50 | 9° 3 | 27°42 | 26°33 | 22°40 | n.a. | F 29 |
| S 30 | 17 26 8 | 20♊ 2'48 | 11♒26 | 3♋41 | 0♊12 | 17♉ 8 | 3♍24 | 19♒15 | 6♌48 | 12♎49 | 9♌ 5 | 27♉39 | 26♉30 | 22♒47 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 18n43 | 26s23 | 4s15 | 24n35 | 1n16 | 22n50 | 0s10 | 10n56 | 0s 8 | 12n53 | 1n34 | 17s25 | 2s 9 | 19n58 | 0n46 | 3s23 | 2n 6 | 34n19 | 16n29 | 20n 5 | 20n 7 | 20s 4 | | n.a. |
| S 2 | 18 58 | 24 27 | 4 48 | 24 35 | 1 8 | 22 36 | 0 23 | 11 11 | 0 7 | 12 52 | 1 34 | 17 25 | 2 9 | 19 58 | 0 46 | 3 23 | 2 6 | 34 18 | 16 28 | 20 5 | 20 7 | 20 2 | | n.a. |
| S 3 | 19 13 | 21 28 | 5 9 | 24 33 | 1 0 | 22 20 | 0 36 | 11 26 | 0 6 | 12 50 | 1 34 | 17 25 | 2 9 | 19 57 | 0 46 | 3 22 | 2 6 | 34 18 | 16 28 | 20 5 | 20 6 | 20 0 | | n.a. |
| M 4 | 19 27 | 17 37 | 5 17 | 24 30 | 0 52 | 22 5 | 0 49 | 11 41 | 0 6 | 12 48 | 1 33 | 17 25 | 2 9 | 19 57 | 0 46 | 3 22 | 2 6 | 34 17 | 16 27 | 20 5 | 20 5 | 19 58 | | n.a. |
| T 5 | 19 41 | 13 4 | 5 11 | 24 26 | 0 43 | 21 49 | 1 3 | 11 56 | 0 5 | 12 47 | 1 33 | 17 24 | 2 10 | 19 56 | 0 46 | 3 22 | 2 6 | 34 16 | 16 27 | 20 5 | 20 4 | 19 56 | | n.a. |
| W 6 | 19 54 | 7 59 | 4 51 | 24 20 | 0 34 | 21 32 | 1 17 | 12 10 | 0 4 | 12 45 | 1 33 | 17 24 | 2 10 | 19 56 | 0 46 | 3 21 | 2 6 | 34 16 | 16 26 | 20 5 | 20 4 | 19 54 | | n.a. |
| T 7 | 20 7 | 2 31 | 4 18 | 24 14 | 0 25 | 21 15 | 1 31 | 12 25 | 0 4 | 12 43 | 1 32 | 17 24 | 2 10 | 19 55 | 0 46 | 3 21 | 2 6 | 34 15 | 16 26 | 20 5 | 20 3 | 19 52 | | n.a. |
| F 8 | 20 20 | 3n 9 | 3 32 | 24 6 | 0 15 | 20 57 | 1 45 | 12 39 | 0 3 | 12 42 | 1 32 | 17 24 | 2 11 | 19 55 | 0 46 | 3 20 | 2 6 | 34 14 | 16 25 | 20 5 | 20 2 | 19 50 | | n.a. |
| S 9 | 20 33 | 8 51 | 2 34 | 23 58 | 0 4 | 20 39 | 1 59 | 12 54 | 0 3 | 12 40 | 1 32 | 17 24 | 2 11 | 19 54 | 0 46 | 3 20 | 2 6 | 34 13 | 16 25 | 20 5 | 20 1 | 19 48 | | n.a. |
| S 10 | 20 45 | 14 19 | 1 28 | 23 48 | 0s 6 | 20 20 | 2 13 | 13 8 | 0 2 | 12 38 | 1 32 | 17 24 | 2 11 | 19 54 | 0 46 | 3 20 | 2 6 | 34 13 | 16 25 | 20 5 | 20 1 | 19 45 | | n.a. |
| M11 | 20 57 | 19 15 | 0 14 | 23 38 | 0 17 | 20 2 | 2 27 | 13 22 | 0 1 | 12 36 | 1 31 | 17 24 | 2 12 | 19 53 | 0 45 | 3 19 | 2 5 | 34 12 | 16 24 | 20 5 | 20 0 | 19 43 | | n.a. |
| T 12 | 21 9 | 23 16 | 1n 1 | 23 26 | 0 29 | 19 43 | 2 41 | 13 36 | 0 1 | 12 34 | 1 31 | 17 24 | 2 12 | 19 53 | 0 45 | 3 19 | 2 5 | 34 11 | 16 24 | 20 5 | 19 59 | 19 41 | | n.a. |
| W13 | 21 20 | 25 59 | 2 15 | 23 15 | 0 41 | 19 24 | 2 55 | 13 50 | 0 0 | 12 32 | 1 31 | 17 24 | 2 12 | 19 52 | 0 45 | 3 19 | 2 5 | 34 10 | 16 23 | 20 5 | 19 59 | 19 39 | | n.a. |
| T 14 | 21 31 | 27 4 | 3 21 | 23 2 | 0 53 | 19 5 | 3 9 | 14 4 | 0n 1 | 12 29 | 1 30 | 17 24 | 2 12 | 19 51 | 0 45 | 3 19 | 2 5 | 34 9 | 16 23 | 20 5 | 19 58 | 19 37 | | n.a. |
| F 15 | 21 41 | 26 21 | 4 15 | 22 49 | 1 5 | 18 46 | 3 23 | 14 17 | 0 1 | 12 27 | 1 30 | 17 24 | 2 13 | 19 51 | 0 45 | 3 18 | 2 5 | 34 9 | 16 22 | 20 5 | 19 57 | 19 35 | | n.a. |
| S 16 | 21 51 | 23 53 | 4 54 | 22 36 | 1 18 | 18 27 | 3 36 | 14 31 | 0 2 | 12 25 | 1 30 | 17 25 | 2 13 | 19 50 | 0 45 | 3 18 | 2 5 | 34 8 | 16 22 | 20 4 | 19 56 | 19 33 | | n.a. |
| S 17 | 22 1 | 19 56 | 5 13 | 22 23 | 1 30 | 18 8 | 3 49 | 14 44 | 0 3 | 12 23 | 1 29 | 17 25 | 2 13 | 19 49 | 0 45 | 3 18 | 2 5 | 34 7 | 16 22 | 20 4 | 19 56 | 19 30 | | n.a. |
| M18 | 22 10 | 14 51 | 5 14 | 22 9 | 1 43 | 17 50 | 4 1 | 14 58 | 0 3 | 12 20 | 1 29 | 17 25 | 2 14 | 19 49 | 0 45 | 3 18 | 2 5 | 34 6 | 16 21 | 20 4 | 19 55 | 19 28 | | n.a. |
| T 19 | 22 19 | 9 2 | 4 55 | 21 55 | 1 56 | 17 32 | 4 13 | 15 11 | 0 4 | 12 18 | 1 29 | 17 25 | 2 14 | 19 48 | 0 45 | 3 17 | 2 5 | 34 5 | 16 21 | 20 4 | 19 54 | 19 26 | | n.a. |
| W20 | 22 28 | 2 49 | 4 19 | 21 41 | 2 9 | 17 14 | 4 24 | 15 24 | 0 4 | 12 15 | 1 29 | 17 26 | 2 14 | 19 48 | 0 45 | 3 17 | 2 5 | 34 5 | 16 20 | 20 4 | 19 53 | 19 24 | | n.a. |
| T 21 | 22 36 | 3s27 | 3 29 | 21 27 | 2 23 | 16 57 | 4 35 | 15 37 | 0 5 | 12 13 | 1 28 | 17 26 | 2 14 | 19 47 | 0 45 | 3 17 | 2 5 | 34 4 | 16 20 | 20 5 | 19 53 | 19 22 | | n.a. |
| F 22 | 22 44 | 9 29 | 2 27 | 21 14 | 2 36 | 16 40 | 4 45 | 15 50 | 0 6 | 12 10 | 1 28 | 17 26 | 2 15 | 19 46 | 0 45 | 3 17 | 2 5 | 34 3 | 16 19 | 20 5 | 19 52 | 19 20 | | n.a. |
| S 23 | 22 52 | 15 0 | 1 18 | 21 1 | 2 48 | 16 25 | 4 55 | 16 3 | 0 6 | 12 7 | 1 28 | 17 27 | 2 15 | 19 45 | 0 45 | 3 17 | 2 5 | 34 2 | 16 19 | 20 5 | 19 51 | 19 17 | | n.a. |
| S 24 | 22 59 | 19 44 | 0 6 | 20 48 | 3 1 | 16 10 | 5 4 | 16 15 | 0 7 | 12 5 | 1 28 | 17 27 | 2 15 | 19 45 | 0 45 | 3 16 | 2 5 | 34 1 | 16 19 | 20 5 | 19 50 | 19 15 | | n.a. |
| M25 | 23 5 | 23 26 | 1s 5 | 20 36 | 3 14 | 15 56 | 5 13 | 16 28 | 0 8 | 12 2 | 1 27 | 17 28 | 2 16 | 19 44 | 0 45 | 3 16 | 2 5 | 34 1 | 16 18 | 20 5 | 19 50 | 19 13 | | n.a. |
| T 26 | 23 12 | 25 54 | 2 11 | 20 24 | 3 25 | 15 42 | 5 20 | 16 40 | 0 8 | 11 59 | 1 27 | 17 28 | 2 16 | 19 43 | 0 45 | 3 16 | 2 5 | 34 0 | 16 18 | 20 5 | 19 49 | 19 11 | | n.a. |
| W27 | 23 17 | 27 0 | 3 10 | 20 13 | 3 37 | 15 30 | 5 27 | 16 52 | 0 9 | 11 56 | 1 27 | 17 29 | 2 16 | 19 43 | 0 45 | 3 16 | 2 4 | 33 59 | 16 18 | 20 4 | 19 48 | 19 9 | | n.a. |
| T 28 | 23 23 | 26 44 | 3 59 | 20 3 | 3 47 | 15 19 | 5 34 | 17 4 | 0 10 | 11 53 | 1 26 | 17 29 | 2 16 | 19 42 | 0 45 | 3 16 | 2 4 | 33 58 | 16 17 | 20 4 | 19 47 | 19 6 | | n.a. |
| F 29 | 23 28 | 25 11 | 4 37 | 19 54 | 3 57 | 15 8 | 5 40 | 17 16 | 0 10 | 11 51 | 1 26 | 17 30 | 2 17 | 19 41 | 0 45 | 3 16 | 2 4 | 33 57 | 16 17 | 20 3 | 19 47 | 19 4 | | n.a. |
| S 30 | 23n32 | 22s31 | 5s 1 | 19n46 | 4s 6 | 14n59 | 5s45 | 17n28 | 0n11 | 11n48 | 1n26 | 17s31 | 2s17 | 19n40 | 0n45 | 3s16 | 2n 4 | 33n56 | 16n16 | 20n 2 | 19n46 | 19s 2 | | n.a. |

Julian Day Number = 998014.5, Delta T = 12h54m34s
Ecliptic obliquity = 23°55'25, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'47, Lahiri = -31°15'47 Julian Calendar 1 June 1981 BCE == Greg. Calendar 15 May 1981 BCE

The year -1980 astronomical counting style corresponds to year 1981 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## JULY 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 30 5 | 21♊ 0'27 | 23♒21 | 3°R 6 | 29°R54 | 17♉47 | 3♍32 | 19°R14 | 6♌51 | 12°R49 | 9♌ 6 | 27°R36 | 26♉27 | 22♒54 | n.a. | S 1 |
| M 2 | 17 34 1 | 21°58'08 | 5♓13 | 2♋27 | 29♉38 | 18°25 | 3°39 | 19♒13 | 6°54 | 12♎48 | 9° 8 | 27♉34 | 26°24 | 23° 1 | n.a. | M 2 |
| T 3 | 17 37 58 | 22°55'50 | 17° 8 | 1°44 | 29°25 | 19° 4 | 3°47 | 19°11 | 6°57 | 12°48 | 9°10 | 27°33 | 26°20 | 23° 7 | n.a. | T 3 |
| W 4 | 17 41 54 | 23°53'35 | 29°10 | 0°57 | 29°14 | 19°42 | 3°55 | 19°10 | 7° 0 | 12°48 | 9°11 | 27°D33 | 26°17 | 23°14 | n.a. | W 4 |
| T 5 | 17 45 51 | 24°51'21 | 11♈23 | 0° 7 | 29° 5 | 20°20 | 4° 3 | 19° 8 | 7° 3 | 12°48 | 9°13 | 27°34 | 26°14 | 23°21 | n.a. | T 5 |
| F 6 | 17 49 48 | 25°49'09 | 23°53 | 29♊16 | 28°59 | 20°59 | 4°11 | 19° 6 | 7° 6 | 12°47 | 9°15 | 27°35 | 26°11 | 23°28 | n.a. | F 6 |
| S 7 | 17 53 44 | 26°47'00 | 6♉43 | 28°23 | 28°55 | 21°37 | 4°20 | 19° 4 | 7° 9 | 12°47 | 9°17 | 27°37 | 26° 8 | 23°34 | n.a. | S 7 |
| S 8 | 17 57 41 | 27°44'52 | 19°55 | 27°31 | 28°D54 | 22°15 | 4°28 | 19° 2 | 7°12 | 12°47 | 9°19 | 27°38 | 26° 4 | 23°41 | n.a. | S 8 |
| M 9 | 18 1 37 | 28°42'46 | 3♊33 | 26°39 | 28°55 | 22°53 | 4°37 | 19° 0 | 7°15 | 12°47 | 9°20 | 27°R38 | 26° 1 | 23°48 | n.a. | M 9 |
| T 10 | 18 5 34 | 29°40'42 | 17°35 | 25°50 | 28°58 | 23°31 | 4°46 | 18°58 | 7°18 | 12°47 | 9°22 | 27°37 | 25°58 | 23°54 | n.a. | T 10 |
| W11 | 18 9 30 | 0♋38'40 | 1♋58 | 25° 3 | 29° 3 | 24° 9 | 4°54 | 18°56 | 7°22 | 12°47 | 9°24 | 27°34 | 25°55 | 24° 1 | n.a. | W11 |
| T 12 | 18 13 27 | 1°36'39 | 16°37 | 24°21 | 29°11 | 24°47 | 5° 3 | 18°53 | 7°25 | 12°D47 | 9°26 | 27°29 | 25°52 | 24° 8 | n.a. | T 12 |
| F 13 | 18 17 24 | 2°34'41 | 1♌24 | 23°44 | 29°21 | 25°25 | 5°12 | 18°51 | 7°28 | 12°47 | 9°28 | 27°24 | 25°49 | 24°15 | n.a. | F 13 |
| S 14 | 18 21 20 | 3°32'44 | 16°13 | 23°13 | 29°33 | 26° 3 | 5°21 | 18°48 | 7°31 | 12°47 | 9°30 | 27°19 | 25°45 | 24°21 | n.a. | S 14 |
| S 15 | 18 25 17 | 4°30'48 | 0♍55 | 22°49 | 29°46 | 26°41 | 5°31 | 18°46 | 7°35 | 12°47 | 9°32 | 27°15 | 25°42 | 24°28 | n.a. | S 15 |
| M16 | 18 29 13 | 5°28'54 | 15°24 | 22°32 | 0♊ 2 | 27°19 | 5°40 | 18°43 | 7°38 | 12°47 | 9°34 | 27°12 | 25°39 | 24°35 | n.a. | M16 |
| T 17 | 18 33 10 | 6°27'02 | 29°36 | 22°23 | 0°20 | 27°57 | 5°49 | 18°40 | 7°42 | 12°47 | 9°36 | 27°10 | 25°36 | 24°42 | n.a. | T 17 |
| W18 | 18 37 6 | 7°25'11 | 13♎30 | 22°D23 | 0°40 | 28°35 | 5°59 | 18°37 | 7°45 | 12°48 | 9°38 | 27°D10 | 25°33 | 24°48 | n.a. | W18 |
| T 19 | 18 41 3 | 8°23'22 | 27° 6 | 22°30 | 1° 1 | 29°12 | 6° 9 | 18°34 | 7°48 | 12°48 | 9°40 | 27°11 | 25°30 | 24°55 | n.a. | T 19 |
| F 20 | 18 44 59 | 9°21'35 | 10♏25 | 22°46 | 1°24 | 29°50 | 6°18 | 18°31 | 7°52 | 12°48 | 9°42 | 27°12 | 25°26 | 25° 2 | n.a. | F 20 |
| S 21 | 18 48 56 | 10°19'49 | 23°28 | 23°11 | 1°49 | 0♊27 | 6°28 | 18°28 | 7°55 | 12°48 | 9°44 | 27°R13 | 25°23 | 25° 8 | n.a. | S 21 |
| S 22 | 18 52 52 | 11°18'05 | 6♐17 | 23°44 | 2°16 | 1° 5 | 6°38 | 18°25 | 7°59 | 12°49 | 9°46 | 27°13 | 25°20 | 25°15 | n.a. | S 22 |
| M23 | 18 56 49 | 12°16'23 | 18°55 | 24°25 | 2°44 | 1°42 | 6°48 | 18°21 | 8° 2 | 12°49 | 9°48 | 27°11 | 25°17 | 25°22 | n.a. | M23 |
| T 24 | 19 0 46 | 13°14'43 | 1♑22 | 25°14 | 3°14 | 2°20 | 6°58 | 18°18 | 8° 6 | 12°49 | 9°50 | 27° 6 | 25°14 | 25°29 | n.a. | T 24 |
| W25 | 19 4 42 | 14°13'05 | 13°39 | 26°11 | 3°45 | 2°57 | 7° 9 | 18°15 | 8° 9 | 12°50 | 9°53 | 27° 0 | 25°10 | 25°35 | n.a. | W25 |
| T 26 | 19 8 39 | 15°11'28 | 25°49 | 27°15 | 4°17 | 3°35 | 7°19 | 18°11 | 8°13 | 12°50 | 9°55 | 26°52 | 25° 7 | 25°42 | n.a. | T 26 |
| F 27 | 19 12 35 | 16° 9'54 | 7♒51 | 28°26 | 4°51 | 4°12 | 7°29 | 18° 7 | 8°16 | 12°51 | 9°57 | 26°42 | 25° 4 | 25°49 | n.a. | F 27 |
| S 28 | 19 16 32 | 17° 8'22 | 19°47 | 29°43 | 5°27 | 4°49 | 7°40 | 18° 4 | 8°20 | 12°51 | 9°59 | 26°33 | 25° 1 | 25°56 | n.a. | S 28 |
| S 29 | 19 20 28 | 18° 6'53 | 1♓40 | 1♋ 5 | 6° 3 | 5°26 | 7°51 | 18° 0 | 8°24 | 12°52 | 10° 1 | 26°24 | 24°58 | 26° 2 | n.a. | S 29 |
| M30 | 19 24 25 | 19° 5'25 | 13°31 | 2°33 | 6°41 | 6° 4 | 8° 1 | 17°56 | 8°27 | 12°52 | 10° 3 | 26°17 | 24°55 | 26° 9 | n.a. | M30 |
| T 31 | 19 28 21 | 20♋ 4'00 | 25♓24 | 4♋ 5 | 7♊20 | 6♊41 | 8♍12 | 17♒52 | 8♌31 | 12♎53 | 10♌ 6 | 26♉11 | 24♉51 | 26♒16 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 23n37 | 18s55 | 5s13 | 19n39 | 4s14 | 14n51 | 5s49 | 17n40 | 0n12 | 11n44 | 1n26 | 17s31 | 2s17 | 19n40 | 0n45 | 3s16 | 2n 4 | 33n56 | 16n16 | 20n 1 | 19n45 | 19s 0 | | | n.a. |
| M 2 | 23 40 | 14 35 | 5 11 | 19 34 | 4 20 | 14 44 | 5 53 | 17 51 | 0 12 | 11 41 | 1 25 | 17 32 | 2 18 | 19 39 | 0 45 | 3 16 | 2 4 | 33 55 | 16 16 | 20 1 | 19 44 | 18 57 | | | n.a. |
| T 3 | 23 44 | 9 42 | 4 56 | 19 30 | 4 25 | 14 38 | 5 57 | 18 3 | 0 13 | 11 38 | 1 25 | 17 33 | 2 18 | 19 38 | 0 45 | 3 15 | 2 4 | 33 54 | 16 15 | 20 1 | 19 44 | 18 55 | | | n.a. |
| W 4 | 23 47 | 4 25 | 4 27 | 19 27 | 4 28 | 14 33 | 5 59 | 18 14 | 0 14 | 11 35 | 1 25 | 17 34 | 2 18 | 19 37 | 0 45 | 3 15 | 2 4 | 33 53 | 16 15 | 20 1 | 19 43 | 18 53 | | | n.a. |
| T 5 | 23 49 | 1n 8 | 3 47 | 19 26 | 4 30 | 14 29 | 6 2 | 18 25 | 0 14 | 11 32 | 1 25 | 17 34 | 2 18 | 19 36 | 0 45 | 3 15 | 2 4 | 33 52 | 16 15 | 20 1 | 19 42 | 18 51 | | | n.a. |
| F 6 | 23 51 | 6 45 | 2 54 | 19 26 | 4 30 | 14 26 | 6 3 | 18 36 | 0 15 | 11 29 | 1 24 | 17 35 | 2 19 | 19 36 | 0 45 | 3 15 | 2 4 | 33 52 | 16 14 | 20 1 | 19 41 | 18 48 | | | n.a. |
| S 7 | 23 53 | 12 16 | 1 52 | 19 27 | 4 28 | 14 24 | 6 4 | 18 47 | 0 16 | 11 25 | 1 24 | 17 36 | 2 19 | 19 35 | 0 45 | 3 15 | 2 4 | 33 51 | 16 14 | 20 2 | 19 41 | 18 46 | | | n.a. |
| S 8 | 23 54 | 17 24 | 0 42 | 19 31 | 4 23 | 14 23 | 6 5 | 18 58 | 0 16 | 11 22 | 1 24 | 17 37 | 2 19 | 19 34 | 0 45 | 3 15 | 2 4 | 33 50 | 16 14 | 20 2 | 19 40 | 18 44 | | | n.a. |
| M 9 | 23 55 | 21 49 | 0n32 | 19 35 | 4 18 | 14 23 | 6 5 | 19 9 | 0 17 | 11 18 | 1 24 | 17 38 | 2 19 | 19 33 | 0 45 | 3 15 | 2 4 | 33 49 | 16 14 | 20 2 | 19 39 | 18 42 | | | n.a. |
| T 10 | 23 55 | 25 6 | 1 47 | 19 42 | 4 10 | 14 24 | 6 5 | 19 19 | 0 18 | 11 15 | 1 23 | 17 39 | 2 20 | 19 32 | 0 45 | 3 15 | 2 4 | 33 48 | 16 13 | 20 1 | 19 38 | 18 39 | | | n.a. |
| W11 | 23 55 | 26 51 | 2 56 | 19 50 | 4 0 | 14 25 | 6 5 | 19 29 | 0 18 | 11 11 | 1 23 | 17 40 | 2 20 | 19 31 | 0 45 | 3 15 | 2 3 | 33 47 | 16 13 | 20 1 | 19 37 | 18 37 | | | n.a. |
| T 12 | 23 55 | 26 45 | 3 55 | 19 59 | 3 49 | 14 28 | 6 4 | 19 39 | 0 19 | 11 8 | 1 23 | 17 41 | 2 20 | 19 30 | 0 45 | 3 16 | 2 3 | 33 46 | 16 13 | 20 0 | 19 37 | 18 35 | | | n.a. |
| F 13 | 23 54 | 24 47 | 4 39 | 20 10 | 3 36 | 14 31 | 6 2 | 19 49 | 0 20 | 11 4 | 1 23 | 17 42 | 2 21 | 19 30 | 0 45 | 3 16 | 2 3 | 33 46 | 16 12 | 19 59 | 19 36 | 18 32 | | | n.a. |
| S 14 | 23 52 | 21 7 | 5 5 | 20 22 | 3 23 | 14 36 | 6 1 | 19 59 | 0 20 | 11 1 | 1 23 | 17 43 | 2 21 | 19 29 | 0 45 | 3 16 | 2 3 | 33 45 | 16 12 | 19 57 | 19 35 | 18 30 | | | n.a. |
| S 15 | 23 51 | 16 11 | 5 10 | 20 36 | 3 8 | 14 40 | 5 59 | 20 9 | 0 21 | 10 57 | 1 22 | 17 44 | 2 21 | 19 28 | 0 45 | 3 16 | 2 3 | 33 44 | 16 12 | 19 56 | 19 34 | 18 28 | | | n.a. |
| M16 | 23 48 | 10 23 | 4 55 | 20 51 | 2 52 | 14 46 | 5 56 | 20 19 | 0 22 | 10 53 | 1 22 | 17 45 | 2 21 | 19 27 | 0 45 | 3 16 | 2 3 | 33 43 | 16 12 | 19 56 | 19 34 | 18 25 | | | n.a. |
| T 17 | 23 46 | 4 9 | 4 22 | 21 7 | 2 35 | 14 52 | 5 54 | 20 28 | 0 23 | 10 49 | 1 22 | 17 46 | 2 22 | 19 26 | 0 45 | 3 16 | 2 3 | 33 42 | 16 11 | 19 55 | 19 33 | 18 23 | | | n.a. |
| W18 | 23 43 | 2s 9 | 3 35 | 21 24 | 2 18 | 14 59 | 5 51 | 20 37 | 0 23 | 10 46 | 1 22 | 17 47 | 2 22 | 19 25 | 0 45 | 3 16 | 2 3 | 33 41 | 16 11 | 19 55 | 19 32 | 18 21 | | | n.a. |
| T 19 | 23 39 | 8 14 | 2 36 | 21 42 | 2 1 | 15 7 | 5 48 | 20 46 | 0 24 | 10 42 | 1 21 | 17 49 | 2 22 | 19 24 | 0 45 | 3 16 | 2 3 | 33 41 | 16 11 | 19 56 | 19 31 | 18 18 | | | n.a. |
| F 20 | 23 35 | 13 49 | 1 30 | 22 0 | 1 43 | 15 15 | 5 44 | 20 55 | 0 25 | 10 38 | 1 21 | 17 50 | 2 22 | 19 23 | 0 45 | 3 17 | 2 3 | 33 40 | 16 11 | 19 56 | 19 31 | 18 16 | | | n.a. |
| S 21 | 23 31 | 18 41 | 0 20 | 22 19 | 1 26 | 15 23 | 5 41 | 21 4 | 0 25 | 10 34 | 1 21 | 17 51 | 2 22 | 19 22 | 0 44 | 3 17 | 2 3 | 33 39 | 16 10 | 19 56 | 19 30 | 18 14 | | | n.a. |
| S 22 | 23 26 | 22 36 | 0s49 | 22 38 | 1 9 | 15 32 | 5 37 | 21 13 | 0 26 | 10 30 | 1 21 | 17 52 | 2 23 | 19 21 | 0 44 | 3 17 | 2 3 | 33 38 | 16 10 | 19 56 | 19 29 | 18 11 | | | n.a. |
| M23 | 23 21 | 25 21 | 1 54 | 22 56 | 0 52 | 15 41 | 5 33 | 21 21 | 0 27 | 10 26 | 1 21 | 17 53 | 2 23 | 19 20 | 0 44 | 3 17 | 2 3 | 33 37 | 16 10 | 19 55 | 19 28 | 18 9 | | | n.a. |
| T 24 | 23 15 | 26 48 | 2 53 | 23 15 | 0 36 | 15 51 | 5 29 | 21 30 | 0 27 | 10 22 | 1 20 | 17 55 | 2 23 | 19 19 | 0 44 | 3 17 | 2 3 | 33 37 | 16 10 | 19 54 | 19 27 | 18 7 | | | n.a. |
| W25 | 23 9 | 26 55 | 3 43 | 23 32 | 0 20 | 16 1 | 5 24 | 21 38 | 0 28 | 10 18 | 1 20 | 17 56 | 2 23 | 19 19 | 0 44 | 3 18 | 2 2 | 33 36 | 16 10 | 19 53 | 19 27 | 18 4 | | | n.a. |
| T 26 | 23 2 | 25 42 | 4 23 | 23 49 | 0 5 | 16 12 | 5 20 | 21 46 | 0 29 | 10 14 | 1 20 | 17 57 | 2 24 | 19 18 | 0 44 | 3 18 | 2 2 | 33 35 | 16 9 | 19 51 | 19 26 | 18 2 | | | n.a. |
| F 27 | 22 55 | 23 20 | 4 50 | 24 4 | 0n 9 | 16 22 | 5 15 | 21 54 | 0 30 | 10 10 | 1 20 | 17 59 | 2 24 | 19 17 | 0 44 | 3 18 | 2 2 | 33 34 | 16 9 | 19 49 | 19 25 | 18 0 | | | n.a. |
| S 28 | 22 48 | 19 58 | 5 4 | 24 18 | 0 22 | 16 33 | 5 10 | 22 2 | 0 30 | 10 6 | 1 20 | 18 0 | 2 24 | 19 16 | 0 44 | 3 18 | 2 2 | 33 33 | 16 9 | 19 47 | 19 24 | 17 57 | | | n.a. |
| S 29 | 22 40 | 15 49 | 5 4 | 24 30 | 0 35 | 16 44 | 5 5 | 22 9 | 0 31 | 10 1 | 1 19 | 18 2 | 2 24 | 19 15 | 0 44 | 3 19 | 2 2 | 33 32 | 16 9 | 19 44 | 19 24 | 17 55 | | | n.a. |
| M30 | 22 32 | 11 5 | 4 52 | 24 40 | 0 46 | 16 56 | 5 0 | 22 16 | 0 32 | 9 57 | 1 19 | 18 3 | 2 24 | 19 14 | 0 44 | 3 19 | 2 2 | 33 32 | 16 9 | 19 43 | 19 23 | 17 52 | | | n.a. |
| T 31 | 22n23 | 5s56 | 4s27 | 24n48 | 0n57 | 17n 7 | 4s55 | 22n24 | 0n32 | 9n53 | 1n19 | 18s 4 | 2s25 | 19n13 | 0n44 | 3s19 | 2n 2 | 33n31 | 16n 9 | 19n41 | 19n22 | 17s50 | | | n.a. |

Julian Day Number = 998044.5, Delta T = 12h54m32s
Ecliptic obliquity = 23°55'25, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'43, Lahiri = -31°15'43 Julian Calendar 1 July 1981 BCE == Greg. Calendar 14 June 1981 BCE

The year -1980 astronomical counting style corresponds to year 1981 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## AUGUST 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 32 18 | 21♋ 2'37 | 7♈24 | 5♋41 | 8♊ 0 | 7♊18 | 8♍23 | 17°R48 | 8♏35 | 12♎54 | 10♏ 8 | 26°R 8 | 24♉48 | 26♒22 | n.a. | W 1 |
| T 2 | 19 36 15 | 22° 1'16 | 19°33 | 7°21 | 8°42 | 7°55 | 8°34 | 17♒44 | 8°38 | 12°54 | 10°10 | 26°D 7 | 24°45 | 26°29 | n.a. | T 2 |
| F 3 | 19 40 11 | 22°59'58 | 1♉59 | 9° 3 | 9°24 | 8°32 | 8°45 | 17°40 | 8°42 | 12°55 | 10°12 | 26♉ 7 | 24°42 | 26°36 | n.a. | F 3 |
| S 4 | 19 44 8 | 23°58'43 | 14°45 | 10°48 | 10° 7 | 9° 9 | 8°56 | 17°36 | 8°46 | 12°56 | 10°14 | 26° 8 | 24°39 | 26°43 | n.a. | S 4 |
| S 5 | 19 48 4 | 24°57'30 | 27°55 | 12°35 | 10°52 | 9°46 | 9° 7 | 17°32 | 8°49 | 12°56 | 10°17 | 26°R 9 | 24°36 | 26°49 | n.a. | S 5 |
| M 6 | 19 52 1 | 25°56'19 | 11♊33 | 14°23 | 11°37 | 10°22 | 9°18 | 17°27 | 8°53 | 12°57 | 10°19 | 26° 8 | 24°32 | 26°56 | n.a. | M 6 |
| T 7 | 19 55 57 | 26°55'11 | 25°40 | 16°12 | 12°23 | 10°59 | 9°30 | 17°23 | 8°57 | 12°58 | 10°21 | 26° 4 | 24°29 | 27° 3 | n.a. | T 7 |
| W 8 | 19 59 54 | 27°54'05 | 10♋14 | 18° 2 | 13°10 | 11°36 | 9°41 | 17°19 | 9° 1 | 12°59 | 10°23 | 25°59 | 24°26 | 27°10 | n.a. | W 8 |
| T 9 | 20 3 50 | 28°53'01 | 25° 9 | 19°53 | 13°58 | 12°13 | 9°53 | 17°14 | 9° 4 | 13° 0 | 10°26 | 25°51 | 24°23 | 27°16 | n.a. | T 9 |
| F 10 | 20 7 47 | 29°52'00 | 10♌18 | 21°44 | 14°47 | 12°49 | 10° 4 | 17°10 | 9° 8 | 13° 1 | 10°28 | 25°41 | 24°20 | 27°23 | n.a. | F 10 |
| S 11 | 20 11 43 | 0♌51'01 | 25°30 | 23°35 | 15°37 | 13°26 | 10°16 | 17° 5 | 9°12 | 13° 2 | 10°30 | 25°31 | 24°16 | 27°30 | n.a. | S 11 |
| S 12 | 20 15 40 | 1°50'04 | 10♍33 | 25°25 | 16°27 | 14° 2 | 10°27 | 17° 1 | 9°16 | 13° 3 | 10°33 | 25°22 | 24°13 | 27°36 | n.a. | S 12 |
| M13 | 20 19 37 | 2°49'08 | 25°20 | 27°16 | 17°18 | 14°39 | 10°39 | 16°56 | 9°20 | 13° 4 | 10°35 | 25°15 | 24°10 | 27°43 | n.a. | M13 |
| T 14 | 20 23 33 | 3°48'15 | 9♎45 | 29° 6 | 18°10 | 15°15 | 10°51 | 16°52 | 9°23 | 13° 5 | 10°37 | 25°11 | 24° 7 | 27°50 | n.a. | T 14 |
| W15 | 20 27 30 | 4°47'23 | 23°44 | 0♌56 | 19° 2 | 15°51 | 11° 3 | 16°47 | 9°27 | 13° 6 | 10°40 | 25° 9 | 24° 4 | 27°57 | n.a. | W15 |
| T 16 | 20 31 26 | 5°46'34 | 7♏18 | 2°45 | 19°55 | 16°28 | 11°15 | 16°42 | 9°31 | 13° 7 | 10°42 | 25°D 8 | 24° 1 | 28° 3 | n.a. | T 16 |
| F 17 | 20 35 23 | 6°45'46 | 20°29 | 4°33 | 20°49 | 17° 4 | 11°27 | 16°38 | 9°35 | 13° 8 | 10°44 | 25°R 9 | 23°57 | 28°10 | n.a. | F 17 |
| S 18 | 20 39 19 | 7°45'01 | 3♐21 | 6°20 | 21°43 | 17°40 | 11°39 | 16°33 | 9°39 | 13° 9 | 10°46 | 25° 8 | 23°54 | 28°17 | n.a. | S 18 |
| S 19 | 20 43 16 | 8°44'17 | 15°56 | 8° 7 | 22°38 | 18°16 | 11°51 | 16°28 | 9°42 | 13°10 | 10°49 | 25° 7 | 23°51 | 28°24 | n.a. | S 19 |
| M20 | 20 47 12 | 9°43'36 | 28°19 | 9°53 | 23°34 | 18°52 | 12° 3 | 16°23 | 9°46 | 13°12 | 10°51 | 25° 2 | 23°48 | 28°30 | n.a. | M20 |
| T 21 | 20 51 9 | 10°42'57 | 10♑33 | 11°39 | 24°30 | 19°28 | 12°15 | 16°19 | 9°50 | 13°13 | 10°53 | 24°55 | 23°45 | 28°37 | n.a. | T 21 |
| W22 | 20 55 5 | 11°42'19 | 22°39 | 13°23 | 25°27 | 20° 4 | 12°28 | 16°14 | 9°54 | 13°14 | 10°56 | 24°45 | 23°42 | 28°44 | n.a. | W22 |
| T 23 | 20 59 2 | 12°41'44 | 4♒39 | 15° 7 | 26°24 | 20°40 | 12°40 | 16° 9 | 9°58 | 13°16 | 10°58 | 24°33 | 23°38 | 28°50 | n.a. | T 23 |
| F 24 | 21 2 59 | 13°41'11 | 16°36 | 16°50 | 27°21 | 21°16 | 12°52 | 16° 4 | 10° 1 | 13°17 | 11° 0 | 24°19 | 23°35 | 28°57 | n.a. | F 24 |
| S 25 | 21 6 55 | 14°40'40 | 28°29 | 18°32 | 28°20 | 21°52 | 13° 5 | 15°59 | 10° 5 | 13°18 | 11° 3 | 24° 4 | 23°32 | 29° 4 | n.a. | S 25 |
| S 26 | 21 10 52 | 15°40'11 | 10♓21 | 20°13 | 29°18 | 22°28 | 13°17 | 15°55 | 10° 9 | 13°20 | 11° 5 | 23°51 | 23°29 | 29°11 | n.a. | S 26 |
| M27 | 21 14 48 | 16°39'45 | 22°13 | 21°54 | 0♋18 | 23° 3 | 13°30 | 15°50 | 10°13 | 13°21 | 11° 7 | 23°39 | 23°26 | 29°17 | n.a. | M27 |
| T 28 | 21 18 45 | 17°39'21 | 4♈ 7 | 23°34 | 1°17 | 23°39 | 13°42 | 15°45 | 10°17 | 13°23 | 11°10 | 23°30 | 23°22 | 29°24 | n.a. | T 28 |
| W29 | 21 22 41 | 18°38'59 | 16° 7 | 25°13 | 2°17 | 24°14 | 13°55 | 15°40 | 10°20 | 13°24 | 11°12 | 23°24 | 23°19 | 29°31 | n.a. | W29 |
| T 30 | 21 26 38 | 19°38'40 | 28°16 | 26°51 | 3°18 | 24°50 | 14° 8 | 15°35 | 10°24 | 13°25 | 11°14 | 23°20 | 23°16 | 29°37 | n.a. | T 30 |
| F 31 | 21 30 34 | 20♌38'23 | 10♉38 | 28♌29 | 4♋19 | 25♊25 | 14♍20 | 15♒30 | 10♌28 | 13♎27 | 11♌17 | 23♉19 | 23♉13 | 29♒44 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n14 | 0s32 | 3s50 | 24n54 | 1n 6 | 17n19 | 4s50 | 22n31 | 0n33 | 9n49 | 1n19 | 18s 6 | 2s25 | 19n12 | 0n44 | 3s20 | 2n 2 | 33n30 | 16n 9 | 19n41 | 19n21 | 17s48 | | n.a. |
| T 2 | 22 5 | 4n59 | 3 3 | 24 58 | 1 15 | 17 31 | 4 45 | 22 38 | 0 34 | 9 44 | 1 19 | 18 7 | 2 25 | 19 11 | 0 44 | 3 20 | 2 2 | 33 29 | 16 8 | 19 40 | 19 20 | 17 45 | | n.a. |
| F 3 | 21 55 | 10 27 | 2 6 | 24 59 | 1 22 | 17 42 | 4 39 | 22 44 | 0 35 | 9 40 | 1 19 | 18 9 | 2 25 | 19 10 | 0 44 | 3 20 | 2 2 | 33 29 | 16 8 | 19 40 | 19 20 | 17 43 | | n.a. |
| S 4 | 21 45 | 15 37 | 1 1 | 24 57 | 1 29 | 17 54 | 4 34 | 22 51 | 0 35 | 9 35 | 1 18 | 18 10 | 2 25 | 19 9 | 0 44 | 3 21 | 2 2 | 33 28 | 16 8 | 19 41 | 19 19 | 17 40 | | n.a. |
| S 5 | 21 34 | 20 15 | 0n 9 | 24 53 | 1 34 | 18 6 | 4 28 | 22 57 | 0 36 | 9 31 | 1 18 | 18 12 | 2 25 | 19 8 | 0 44 | 3 21 | 2 2 | 33 27 | 16 8 | 19 41 | 19 18 | 17 38 | | n.a. |
| M 6 | 21 23 | 23 58 | 1 21 | 24 46 | 1 39 | 18 18 | 4 22 | 23 4 | 0 37 | 9 26 | 1 18 | 18 13 | 2 26 | 19 7 | 0 44 | 3 21 | 2 2 | 33 26 | 16 8 | 19 41 | 19 17 | 17 36 | | n.a. |
| T 7 | 21 12 | 26 22 | 2 31 | 24 37 | 1 43 | 18 30 | 4 17 | 23 10 | 0 38 | 9 22 | 1 18 | 18 15 | 2 26 | 19 6 | 0 44 | 3 22 | 2 2 | 33 25 | 16 8 | 19 40 | 19 16 | 17 33 | | n.a. |
| W 8 | 21 0 | 27 3 | 3 32 | 24 26 | 1 46 | 18 41 | 4 11 | 23 16 | 0 38 | 9 17 | 1 18 | 18 16 | 2 26 | 19 5 | 0 44 | 3 22 | 2 1 | 33 25 | 16 8 | 19 38 | 19 16 | 17 31 | | n.a. |
| T 9 | 20 48 | 25 48 | 4 21 | 24 12 | 1 48 | 18 53 | 4 5 | 23 21 | 0 39 | 9 13 | 1 18 | 18 18 | 2 26 | 19 4 | 0 44 | 3 23 | 2 1 | 33 24 | 16 8 | 19 36 | 19 15 | 17 28 | | n.a. |
| F 10 | 20 35 | 22 41 | 4 52 | 23 56 | 1 50 | 19 4 | 3 59 | 23 27 | 0 40 | 9 8 | 1 17 | 18 19 | 2 26 | 19 3 | 0 44 | 3 23 | 2 1 | 33 23 | 16 8 | 19 34 | 19 14 | 17 26 | | n.a. |
| S 11 | 20 22 | 18 1 | 5 3 | 23 38 | 1 51 | 19 16 | 3 53 | 23 33 | 0 41 | 9 4 | 1 17 | 18 21 | 2 26 | 19 2 | 0 44 | 3 23 | 2 1 | 33 22 | 16 8 | 19 32 | 19 13 | 17 23 | | n.a. |
| S 12 | 20 9 | 12 15 | 4 52 | 23 18 | 1 51 | 19 27 | 3 48 | 23 38 | 0 41 | 8 59 | 1 17 | 18 22 | 2 27 | 19 1 | 0 44 | 3 24 | 2 1 | 33 22 | 16 8 | 19 30 | 19 12 | 17 21 | | n.a. |
| M13 | 19 55 | 5 53 | 4 22 | 22 56 | 1 50 | 19 38 | 3 42 | 23 43 | 0 42 | 8 54 | 1 17 | 18 24 | 2 27 | 19 0 | 0 44 | 3 24 | 2 1 | 33 21 | 16 8 | 19 28 | 19 12 | 17 19 | | n.a. |
| T 14 | 19 41 | 0s38 | 3 36 | 22 32 | 1 49 | 19 48 | 3 36 | 23 48 | 0 43 | 8 50 | 1 17 | 18 25 | 2 27 | 18 59 | 0 44 | 3 25 | 2 1 | 33 20 | 16 8 | 19 27 | 19 11 | 17 16 | | n.a. |
| W15 | 19 27 | 6 57 | 2 38 | 22 6 | 1 48 | 19 59 | 3 30 | 23 53 | 0 44 | 8 45 | 1 17 | 18 27 | 2 27 | 18 57 | 0 44 | 3 25 | 2 1 | 33 20 | 16 8 | 19 26 | 19 10 | 17 14 | | n.a. |
| T 16 | 19 12 | 12 46 | 1 33 | 21 39 | 1 46 | 20 9 | 3 24 | 23 57 | 0 44 | 8 40 | 1 17 | 18 29 | 2 27 | 18 56 | 0 44 | 3 26 | 2 1 | 33 19 | 16 7 | 19 26 | 19 9 | 17 11 | | n.a. |
| F 17 | 18 57 | 17 50 | 0 25 | 21 11 | 1 43 | 20 19 | 3 18 | 24 2 | 0 45 | 8 35 | 1 16 | 18 30 | 2 27 | 18 55 | 0 44 | 3 26 | 2 1 | 33 18 | 16 7 | 19 26 | 19 8 | 17 9 | | n.a. |
| S 18 | 18 42 | 21 57 | 0s43 | 20 41 | 1 40 | 20 28 | 3 12 | 24 6 | 0 46 | 8 30 | 1 16 | 18 32 | 2 27 | 18 54 | 0 44 | 3 27 | 2 1 | 33 17 | 16 8 | 19 26 | 19 8 | 17 6 | | n.a. |
| S 19 | 18 26 | 24 57 | 1 48 | 20 10 | 1 37 | 20 38 | 3 5 | 24 10 | 0 47 | 8 26 | 1 16 | 18 33 | 2 27 | 18 53 | 0 44 | 3 27 | 2 1 | 33 17 | 16 8 | 19 26 | 19 7 | 17 4 | | n.a. |
| M20 | 18 10 | 26 41 | 2 46 | 19 37 | 1 33 | 20 47 | 2 59 | 24 14 | 0 47 | 8 21 | 1 16 | 18 35 | 2 27 | 18 52 | 0 44 | 3 28 | 2 1 | 33 16 | 16 8 | 19 25 | 19 6 | 17 1 | | n.a. |
| T 21 | 17 54 | 27 4 | 3 35 | 19 4 | 1 29 | 20 55 | 2 53 | 24 18 | 0 48 | 8 16 | 1 16 | 18 36 | 2 27 | 18 51 | 0 44 | 3 28 | 2 1 | 33 15 | 16 8 | 19 23 | 19 5 | 16 59 | | n.a. |
| W22 | 17 37 | 26 10 | 4 15 | 18 29 | 1 25 | 21 3 | 2 47 | 24 21 | 0 49 | 8 11 | 1 16 | 18 38 | 2 28 | 18 50 | 0 44 | 3 29 | 2 1 | 33 15 | 16 8 | 19 20 | 19 4 | 16 56 | | n.a. |
| T 23 | 17 20 | 24 2 | 4 42 | 17 54 | 1 20 | 21 11 | 2 41 | 24 25 | 0 50 | 8 6 | 1 16 | 18 39 | 2 28 | 18 49 | 0 44 | 3 30 | 2 0 | 33 14 | 16 8 | 19 17 | 19 4 | 16 54 | | n.a. |
| F 24 | 17 3 | 20 53 | 4 57 | 17 18 | 1 15 | 21 19 | 2 35 | 24 28 | 0 51 | 8 1 | 1 15 | 18 41 | 2 28 | 18 48 | 0 44 | 3 30 | 2 0 | 33 13 | 16 8 | 19 14 | 19 3 | 16 51 | | n.a. |
| S 25 | 16 46 | 16 53 | 4 59 | 16 41 | 1 10 | 21 26 | 2 29 | 24 31 | 0 51 | 7 56 | 1 15 | 18 43 | 2 28 | 18 47 | 0 44 | 3 31 | 2 0 | 33 13 | 16 8 | 19 10 | 19 2 | 16 49 | | n.a. |
| S 26 | 16 28 | 12 15 | 4 47 | 16 3 | 1 5 | 21 32 | 2 23 | 24 34 | 0 52 | 7 51 | 1 15 | 18 44 | 2 28 | 18 46 | 0 44 | 3 31 | 2 0 | 33 12 | 16 8 | 19 7 | 19 1 | 16 46 | | n.a. |
| M27 | 16 10 | 7 10 | 4 24 | 15 25 | 0 59 | 21 38 | 2 17 | 24 37 | 0 53 | 7 46 | 1 15 | 18 46 | 2 28 | 18 45 | 0 44 | 3 32 | 2 0 | 33 11 | 16 8 | 19 4 | 19 0 | 16 44 | | n.a. |
| T 28 | 15 51 | 1 49 | 3 48 | 14 46 | 0 53 | 21 44 | 2 11 | 24 40 | 0 54 | 7 41 | 1 15 | 18 47 | 2 28 | 18 44 | 0 44 | 3 33 | 2 0 | 33 11 | 16 8 | 19 2 | 19 0 | 16 41 | | n.a. |
| W29 | 15 32 | 3n40 | 3 3 | 14 7 | 0 47 | 21 49 | 2 5 | 24 42 | 0 55 | 7 36 | 1 15 | 18 49 | 2 28 | 18 43 | 0 44 | 3 33 | 2 0 | 33 10 | 16 8 | 19 0 | 18 59 | 16 39 | | n.a. |
| T 30 | 15 13 | 9 5 | 2 8 | 13 27 | 0 41 | 21 54 | 1 59 | 24 45 | 0 55 | 7 31 | 1 15 | 18 50 | 2 28 | 18 42 | 0 44 | 3 34 | 2 0 | 33 10 | 16 8 | 18 59 | 18 58 | 16 36 | | n.a. |
| F 31 | 14n54 | 14n16 | 1s 6 | 12n47 | 0n35 | 21n58 | 1s53 | 24n47 | 0n56 | 7n26 | 1n15 | 18s52 | 2s28 | 18n41 | 0n44 | 3s35 | 2n 0 | 33n 9 | 16n 8 | 18n59 | 18n57 | 16s34 | | n.a. |

Julian Day Number = 998075.5, Delta T = 12h54m30s
Ecliptic obliquity = 23°55'25, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'39, Lahiri = -31°15'39 Julian Calendar 1 Aug. 1981 BCE == Greg. Calendar 15 July 1981 BCE

The year -1980 astronomical counting style corresponds to year 1981 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## SEPTEMBER 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 34 31 | 21♌38'09 | 23♉19 | 0♍ 6 | 5♋20 | 26♊ 1 | 14♍33 | 15°R26 | 10♌32 | 13♎29 | 11♌19 | 23°R19 | 23♉10 | 29♒51 | n.a. | S 1 |
| S 2 | 21 38 27 | 22°37'57 | 6♊22 | 1°42 | 6°22 | 26°36 | 14°46 | 15♒21 | 10°35 | 13°30 | 11°21 | 23♉19 | 23° 7 | 29°58 | n.a. | S 2 |
| M 3 | 21 42 24 | 23°37'48 | 19°53 | 3°18 | 7°24 | 27°11 | 14°59 | 15°16 | 10°39 | 13°32 | 11°23 | 23°17 | 23° 3 | 0♓ 4 | n.a. | M 3 |
| T 4 | 21 46 21 | 24°37'41 | 3♋53 | 4°53 | 8°26 | 27°46 | 15°12 | 15°11 | 10°43 | 13°33 | 11°26 | 23°13 | 23° 0 | 0°11 | n.a. | T 4 |
| W 5 | 21 50 17 | 25°37'37 | 18°22 | 6°27 | 9°29 | 28°21 | 15°25 | 15° 7 | 10°47 | 13°35 | 11°28 | 23° 7 | 22°57 | 0°18 | n.a. | W 5 |
| T 6 | 21 54 14 | 26°37'35 | 3♌17 | 8° 1 | 10°32 | 28°56 | 15°38 | 15° 2 | 10°50 | 13°37 | 11°30 | 22°58 | 22°54 | 0°25 | n.a. | T 6 |
| F 7 | 21 58 10 | 27°37'35 | 18°31 | 9°35 | 11°36 | 29°31 | 15°51 | 14°57 | 10°54 | 13°38 | 11°32 | 22°47 | 22°51 | 0°31 | n.a. | F 7 |
| S 8 | 22 2 7 | 28°37'37 | 3♍53 | 11° 7 | 12°40 | 0♋ 6 | 16° 4 | 14°53 | 10°58 | 13°40 | 11°35 | 22°35 | 22°47 | 0°38 | n.a. | S 8 |
| S 9 | 22 6 3 | 29°37'41 | 19°10 | 12°39 | 13°44 | 0°41 | 16°17 | 14°48 | 11° 1 | 13°42 | 11°37 | 22°24 | 22°44 | 0°45 | n.a. | S 9 |
| M10 | 22 10 0 | 0♍37'47 | 4♎12 | 14°11 | 14°48 | 1°16 | 16°30 | 14°44 | 11° 5 | 13°44 | 11°39 | 22°16 | 22°41 | 0°51 | n.a. | M10 |
| T 11 | 22 13 56 | 1°37'55 | 18°51 | 15°42 | 15°53 | 1°50 | 16°43 | 14°39 | 11° 9 | 13°45 | 11°41 | 22°10 | 22°38 | 0°58 | n.a. | T 11 |
| W12 | 22 17 53 | 2°38'05 | 3♏ 2 | 17°12 | 16°58 | 2°25 | 16°56 | 14°35 | 11°12 | 13°47 | 11°44 | 22° 6 | 22°35 | 1° 5 | n.a. | W12 |
| T 13 | 22 21 49 | 3°38'17 | 16°44 | 18°42 | 18° 4 | 3° 0 | 17° 9 | 14°30 | 11°16 | 13°49 | 11°46 | 22°D 5 | 22°32 | 1°12 | n.a. | T 13 |
| F 14 | 22 25 46 | 4°38'30 | 29°58 | 20°11 | 19° 9 | 3°34 | 17°22 | 14°26 | 11°20 | 13°51 | 11°48 | 22°R 5 | 22°28 | 1°18 | n.a. | F 14 |
| S 15 | 22 29 43 | 5°38'45 | 12♐49 | 21°40 | 20°15 | 4° 8 | 17°35 | 14°21 | 11°23 | 13°53 | 11°50 | 22° 5 | 22°25 | 1°25 | n.a. | S 15 |
| S 16 | 22 33 39 | 6°39'02 | 25°20 | 23° 8 | 21°21 | 4°43 | 17°49 | 14°17 | 11°27 | 13°55 | 11°52 | 22° 4 | 22°22 | 1°32 | n.a. | S 16 |
| M17 | 22 37 36 | 7°39'21 | 7♑36 | 24°36 | 22°28 | 5°17 | 18° 2 | 14°13 | 11°30 | 13°56 | 11°54 | 22° 0 | 22°19 | 1°39 | n.a. | M17 |
| T 18 | 22 41 32 | 8°39'41 | 19°42 | 26° 3 | 23°34 | 5°51 | 18°15 | 14° 9 | 11°34 | 13°58 | 11°57 | 21°53 | 22°16 | 1°45 | n.a. | T 18 |
| W19 | 22 45 29 | 9°40'03 | 1♒41 | 27°29 | 24°41 | 6°25 | 18°28 | 14° 5 | 11°37 | 14° 0 | 11°59 | 21°44 | 22°13 | 1°52 | n.a. | W19 |
| T 20 | 22 49 25 | 10°40'26 | 13°35 | 28°55 | 25°48 | 6°59 | 18°42 | 14° 1 | 11°41 | 14° 2 | 12° 1 | 21°32 | 22° 9 | 1°59 | n.a. | T 20 |
| F 21 | 22 53 22 | 11°40'51 | 25°28 | 0♎20 | 26°56 | 7°33 | 18°55 | 13°57 | 11°44 | 14° 4 | 12° 3 | 21°19 | 22° 6 | 2° 5 | n.a. | F 21 |
| S 22 | 22 57 18 | 12°41'18 | 7♓21 | 1°44 | 28° 3 | 8° 7 | 19° 8 | 13°53 | 11°47 | 14° 6 | 12° 5 | 21° 6 | 22° 3 | 2°12 | n.a. | S 22 |
| S 23 | 23 1 15 | 13°41'47 | 19°14 | 3° 7 | 29°11 | 8°40 | 19°22 | 13°49 | 11°51 | 14° 8 | 12° 7 | 20°53 | 22° 0 | 2°19 | n.a. | S 23 |
| M24 | 23 5 12 | 14°42'18 | 1♈11 | 4°29 | 0♌19 | 9°14 | 19°35 | 13°45 | 11°54 | 14°10 | 12° 9 | 20°41 | 21°57 | 2°26 | n.a. | M24 |
| T 25 | 23 9 8 | 15°42'50 | 13°11 | 5°51 | 1°28 | 9°47 | 19°48 | 13°41 | 11°58 | 14°12 | 12°11 | 20°33 | 21°53 | 2°32 | n.a. | T 25 |
| W26 | 23 13 5 | 16°43'25 | 25°18 | 7°11 | 2°36 | 10°21 | 20° 2 | 13°38 | 12° 1 | 14°14 | 12°13 | 20°27 | 21°50 | 2°39 | n.a. | W26 |
| T 27 | 23 17 1 | 17°44'01 | 7♉32 | 8°30 | 3°45 | 10°54 | 20°15 | 13°34 | 12° 4 | 14°16 | 12°15 | 20°24 | 21°47 | 2°46 | n.a. | T 27 |
| F 28 | 23 20 58 | 18°44'39 | 19°58 | 9°48 | 4°54 | 11°27 | 20°29 | 13°31 | 12° 7 | 14°18 | 12°17 | 20°D23 | 21°44 | 2°52 | n.a. | F 28 |
| S 29 | 23 24 54 | 19°45'19 | 2♊40 | 11° 5 | 6° 3 | 12° 0 | 20°42 | 13°27 | 12°11 | 14°21 | 12°19 | 20°23 | 21°41 | 2°59 | n.a. | S 29 |
| S 30 | 23 28 51 | 20♍46'01 | 15♊40 | 12♎20 | 7♌12 | 12♋34 | 20♍55 | 13♒24 | 12♌14 | 14♎23 | 12♌21 | 20°R24 | 21♉38 | 3♓ 6 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n35 | 18n59 | 0s 0 | 12n 7 | 0n29 | 22n 1 | 1s48 | 24n49 | 0n57 | 7n21 | 1n15 | 18s53 | 2s28 | 18n40 | 0n44 | 3s35 | 2n 0 | 33n 8 | 16n 8 | 18n59 | 18n56 | 16s31 | | n.a. |
| S 2 | 14 15 | 22 56 | 1n 8 | 11 26 | 0 22 | 22 4 | 1 42 | 24 51 | 0 58 | 7 15 | 1 14 | 18 55 | 2 28 | 18 39 | 0 44 | 3 36 | 2 0 | 33 8 | 16 9 | 18 59 | 18 55 | 16 28 | | n.a. |
| M 3 | 13 55 | 25 47 | 2 15 | 10 45 | 0 16 | 22 7 | 1 36 | 24 52 | 0 59 | 7 10 | 1 14 | 18 56 | 2 28 | 18 38 | 0 44 | 3 37 | 2 0 | 33 7 | 16 9 | 18 58 | 18 55 | 16 26 | | n.a. |
| T 4 | 13 35 | 27 8 | 3 16 | 10 3 | 0 9 | 22 9 | 1 30 | 24 54 | 0 59 | 7 5 | 1 14 | 18 58 | 2 28 | 18 37 | 0 44 | 3 37 | 2 0 | 33 7 | 16 9 | 18 57 | 18 54 | 16 23 | | n.a. |
| W 5 | 13 14 | 26 43 | 4 7 | 9 22 | 0 3 | 22 10 | 1 25 | 24 55 | 1 0 | 7 0 | 1 14 | 18 59 | 2 28 | 18 36 | 0 44 | 3 38 | 2 0 | 33 6 | 16 9 | 18 56 | 18 53 | 16 21 | | n.a. |
| T 6 | 12 53 | 24 23 | 4 43 | 8 40 | 0s 4 | 22 11 | 1 19 | 24 56 | 1 1 | 6 55 | 1 14 | 19 0 | 2 28 | 18 35 | 0 44 | 3 39 | 2 0 | 33 6 | 16 9 | 18 53 | 18 52 | 16 18 | | n.a. |
| F 7 | 12 32 | 20 18 | 4 59 | 7 58 | 0 11 | 22 11 | 1 13 | 24 57 | 1 2 | 6 49 | 1 14 | 19 2 | 2 28 | 18 34 | 0 44 | 3 39 | 2 0 | 33 5 | 16 9 | 18 50 | 18 51 | 16 16 | | n.a. |
| S 8 | 12 11 | 14 50 | 4 54 | 7 16 | 0 18 | 22 11 | 1 8 | 24 58 | 1 3 | 6 44 | 1 14 | 19 3 | 2 28 | 18 33 | 0 44 | 3 40 | 2 0 | 33 5 | 16 10 | 18 47 | 18 51 | 16 13 | | n.a. |
| S 9 | 11 50 | 8 28 | 4 28 | 6 34 | 0 24 | 22 10 | 1 2 | 24 59 | 1 4 | 6 39 | 1 14 | 19 5 | 2 28 | 18 32 | 0 44 | 3 41 | 2 0 | 33 4 | 16 10 | 18 45 | 18 50 | 16 11 | | n.a. |
| M10 | 11 28 | 1 43 | 3 44 | 5 52 | 0 31 | 22 8 | 0 57 | 25 0 | 1 5 | 6 34 | 1 14 | 19 6 | 2 28 | 18 31 | 0 45 | 3 42 | 1 59 | 33 4 | 16 10 | 18 42 | 18 49 | 16 8 | | n.a. |
| T 11 | 11 7 | 4s59 | 2 46 | 5 10 | 0 38 | 22 6 | 0 51 | 25 0 | 1 5 | 6 28 | 1 14 | 19 7 | 2 28 | 18 30 | 0 45 | 3 42 | 1 59 | 33 3 | 16 10 | 18 41 | 18 48 | 16 5 | | n.a. |
| W12 | 10 45 | 11 14 | 1 39 | 4 28 | 0 45 | 22 4 | 0 46 | 25 0 | 1 6 | 6 23 | 1 14 | 19 9 | 2 28 | 18 29 | 0 45 | 3 43 | 1 59 | 33 3 | 16 10 | 18 40 | 18 47 | 16 3 | | n.a. |
| T 13 | 10 22 | 16 43 | 0 28 | 3 46 | 0 51 | 22 0 | 0 41 | 25 0 | 1 7 | 6 18 | 1 13 | 19 10 | 2 28 | 18 28 | 0 45 | 3 44 | 1 59 | 33 2 | 16 11 | 18 40 | 18 46 | 16 0 | | n.a. |
| F 14 | 10 0 | 21 14 | 0s42 | 3 4 | 0 58 | 21 56 | 0 36 | 25 0 | 1 8 | 6 13 | 1 13 | 19 11 | 2 28 | 18 27 | 0 45 | 3 45 | 1 59 | 33 2 | 16 11 | 18 40 | 18 46 | 15 58 | | n.a. |
| S 15 | 9 38 | 24 34 | 1 47 | 2 23 | 1 5 | 21 52 | 0 31 | 25 0 | 1 9 | 6 7 | 1 13 | 19 12 | 2 28 | 18 26 | 0 45 | 3 45 | 1 59 | 33 1 | 16 11 | 18 39 | 18 45 | 15 55 | | n.a. |
| S 16 | 9 15 | 26 36 | 2 46 | 1 41 | 1 11 | 21 46 | 0 25 | 25 0 | 1 10 | 6 2 | 1 13 | 19 14 | 2 28 | 18 25 | 0 45 | 3 46 | 1 59 | 33 1 | 16 11 | 18 39 | 18 44 | 15 52 | | n.a. |
| M17 | 8 52 | 27 18 | 3 36 | 1 0 | 1 18 | 21 40 | 0 20 | 25 0 | 1 11 | 5 57 | 1 13 | 19 15 | 2 28 | 18 24 | 0 45 | 3 47 | 1 59 | 33 0 | 16 12 | 18 38 | 18 43 | 15 50 | | n.a. |
| T 18 | 8 29 | 26 39 | 4 15 | 0 19 | 1 24 | 21 34 | 0 16 | 24 59 | 1 12 | 5 51 | 1 13 | 19 16 | 2 28 | 18 23 | 0 45 | 3 48 | 1 59 | 33 0 | 16 12 | 18 36 | 18 42 | 15 47 | | n.a. |
| W19 | 8 6 | 24 47 | 4 43 | 0s22 | 1 31 | 21 27 | 0 11 | 24 58 | 1 12 | 5 46 | 1 13 | 19 17 | 2 28 | 18 22 | 0 45 | 3 49 | 1 59 | 33 0 | 16 12 | 18 34 | 18 41 | 15 44 | | n.a. |
| T 20 | 7 43 | 21 50 | 4 58 | 1 2 | 1 37 | 21 19 | 0 6 | 24 57 | 1 13 | 5 40 | 1 13 | 19 18 | 2 28 | 18 21 | 0 45 | 3 49 | 1 59 | 32 59 | 16 12 | 18 31 | 18 41 | 15 42 | | n.a. |
| F 21 | 7 19 | 17 59 | 5 0 | 1 42 | 1 43 | 21 11 | 0 1 | 24 56 | 1 14 | 5 35 | 1 13 | 19 19 | 2 27 | 18 20 | 0 45 | 3 50 | 1 59 | 32 59 | 16 13 | 18 27 | 18 40 | 15 39 | | n.a. |
| S 22 | 6 56 | 13 26 | 4 49 | 2 21 | 1 48 | 21 2 | 0n 4 | 24 55 | 1 15 | 5 30 | 1 13 | 19 21 | 2 27 | 18 19 | 0 45 | 3 51 | 1 59 | 32 59 | 16 13 | 18 24 | 18 39 | 15 37 | | n.a. |
| S 23 | 6 32 | 8 24 | 4 26 | 3 0 | 1 54 | 20 52 | 0 8 | 24 54 | 1 16 | 5 24 | 1 13 | 19 22 | 2 27 | 18 18 | 0 45 | 3 52 | 1 59 | 32 58 | 16 13 | 18 20 | 18 38 | 15 34 | | n.a. |
| M24 | 6 8 | 3 2 | 3 50 | 3 38 | 2 0 | 20 42 | 0 13 | 24 53 | 1 17 | 5 19 | 1 13 | 19 23 | 2 27 | 18 17 | 0 45 | 3 53 | 1 59 | 32 58 | 16 14 | 18 17 | 18 37 | 15 31 | | n.a. |
| T 25 | 5 45 | 2n29 | 3 4 | 4 16 | 2 5 | 20 31 | 0 17 | 24 51 | 1 18 | 5 14 | 1 13 | 19 24 | 2 27 | 18 16 | 0 45 | 3 53 | 1 59 | 32 58 | 16 14 | 18 15 | 18 36 | 15 29 | | n.a. |
| W26 | 5 21 | 7 58 | 2 9 | 4 53 | 2 10 | 20 19 | 0 21 | 24 49 | 1 19 | 5 8 | 1 13 | 19 25 | 2 27 | 18 15 | 0 45 | 3 54 | 1 59 | 32 57 | 16 14 | 18 13 | 18 36 | 15 26 | | n.a. |
| T 27 | 4 57 | 13 14 | 1 8 | 5 29 | 2 14 | 20 7 | 0 26 | 24 48 | 1 20 | 5 3 | 1 13 | 19 26 | 2 27 | 18 14 | 0 45 | 3 55 | 1 59 | 32 57 | 16 15 | 18 12 | 18 35 | 15 23 | | n.a. |
| F 28 | 4 32 | 18 3 | 0 2 | 6 5 | 2 19 | 19 54 | 0 30 | 24 46 | 1 21 | 4 57 | 1 13 | 19 26 | 2 27 | 18 13 | 0 45 | 3 56 | 1 59 | 32 57 | 16 15 | 18 12 | 18 34 | 15 21 | | n.a. |
| S 29 | 4 8 | 22 11 | 1n 5 | 6 39 | 2 23 | 19 41 | 0 34 | 24 44 | 1 22 | 4 52 | 1 13 | 19 27 | 2 27 | 18 12 | 0 45 | 3 57 | 1 59 | 32 56 | 16 15 | 18 12 | 18 33 | 15 18 | | n.a. |
| S 30 | 3n44 | 25n18 | 2n11 | 7s12 | 2s27 | 19n27 | 0n38 | 24n41 | 1n23 | 4n47 | 1n13 | 19s28 | 2s26 | 18n11 | 0n45 | 3s58 | 1n59 | 32n56 | 16n16 | 18n12 | 18n32 | 15s15 | | n.a. |

Julian Day Number = 998106.5, Delta T = 12h54m28s
Ecliptic obliquity = 23°55'26, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'35, Lahiri = -31°15'34 Julian Calendar 1 Sept. 1981 BCE == Greg. Calendar 15 Aug. 1981 BCE


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## OCTOBER 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 32 47 | 21♍46'45 | 29♊ 3 | 13♎33 | 8♌21 | 13♋ 6 | 21♍ 9 | 13°R21 | 12♌17 | 14♎25 | 12♌23 | 20°R24 | 21♉34 | 3♓13 | n.a. | M 1 |
| T 2 | 23 36 44 | 22°47'31 | 12♋51 | 14°44 | 9°31 | 13°39 | 21°22 | 13♒18 | 12°20 | 14°27 | 12°25 | 20♉22 | 21°31 | 3°19 | n.a. | T 2 |
| W 3 | 23 40 41 | 23°48'19 | 27° 6 | 15°52 | 10°41 | 14°12 | 21°36 | 13°14 | 12°23 | 14°29 | 12°27 | 20°18 | 21°28 | 3°26 | n.a. | W 3 |
| T 4 | 23 44 37 | 24°49'09 | 11♌46 | 16°58 | 11°51 | 14°45 | 21°49 | 13°11 | 12°26 | 14°31 | 12°28 | 20°12 | 21°25 | 3°33 | n.a. | T 4 |
| F 5 | 23 48 34 | 25°50'00 | 26°46 | 18° 2 | 13° 1 | 15°17 | 22° 2 | 13° 9 | 12°29 | 14°33 | 12°30 | 20° 3 | 21°22 | 3°40 | n.a. | F 5 |
| S 6 | 23 52 30 | 26°50'53 | 11♍58 | 19° 1 | 14°11 | 15°50 | 22°16 | 13° 6 | 12°32 | 14°36 | 12°32 | 19°55 | 21°19 | 3°46 | n.a. | S 6 |
| S 7 | 23 56 27 | 27°51'47 | 27°11 | 19°57 | 15°21 | 16°22 | 22°29 | 13° 3 | 12°35 | 14°38 | 12°34 | 19°47 | 21°15 | 3°53 | n.a. | S 7 |
| M 8 | 0 0 23 | 28°52'43 | 12♎15 | 20°49 | 16°32 | 16°54 | 22°42 | 13° 0 | 12°38 | 14°40 | 12°36 | 19°40 | 21°12 | 4° 0 | n.a. | M 8 |
| T 9 | 0 4 20 | 29°53'40 | 27° 0 | 21°36 | 17°43 | 17°26 | 22°56 | 12°58 | 12°41 | 14°42 | 12°37 | 19°36 | 21° 9 | 4° 6 | n.a. | T 9 |
| W10 | 0 8 16 | 0♎54'38 | 11♏20 | 22°17 | 18°53 | 17°58 | 23° 9 | 12°56 | 12°44 | 14°44 | 12°39 | 19°33 | 21° 6 | 4°13 | n.a. | W10 |
| T 11 | 0 12 13 | 1°55'37 | 25°11 | 22°52 | 20° 4 | 18°30 | 23°23 | 12°53 | 12°47 | 14°47 | 12°41 | 19°D33 | 21° 3 | 4°20 | n.a. | T 11 |
| F 12 | 0 16 9 | 2°56'38 | 8♐34 | 23°20 | 21°15 | 19° 2 | 23°36 | 12°51 | 12°50 | 14°49 | 12°42 | 19°34 | 20°59 | 4°27 | n.a. | F 12 |
| S 13 | 0 20 6 | 3°57'39 | 21°31 | 23°40 | 22°27 | 19°33 | 23°49 | 12°49 | 12°52 | 14°51 | 12°44 | 19°36 | 20°56 | 4°33 | n.a. | S 13 |
| S 14 | 0 24 3 | 4°58'42 | 4♑ 6 | 23°52 | 23°38 | 20° 5 | 24° 2 | 12°47 | 12°55 | 14°53 | 12°46 | 19°R36 | 20°53 | 4°40 | n.a. | S 14 |
| M15 | 0 27 59 | 5°59'45 | 16°24 | 23°R55 | 24°49 | 20°36 | 24°16 | 12°45 | 12°58 | 14°56 | 12°47 | 19°36 | 20°50 | 4°47 | n.a. | M15 |
| T 16 | 0 31 56 | 7° 0'49 | 28°28 | 23°47 | 26° 1 | 21° 7 | 24°29 | 12°43 | 13° 0 | 14°58 | 12°49 | 19°33 | 20°47 | 4°53 | n.a. | T 16 |
| W17 | 0 35 52 | 8° 1'54 | 10♒25 | 23°29 | 27°13 | 21°38 | 24°42 | 12°41 | 13° 3 | 15° 0 | 12°50 | 19°29 | 20°44 | 5° 0 | n.a. | W17 |
| T 18 | 0 39 49 | 9° 3'00 | 22°17 | 22°59 | 28°25 | 22° 9 | 24°55 | 12°40 | 13° 6 | 15° 2 | 12°52 | 19°22 | 20°40 | 5° 7 | n.a. | T 18 |
| F 19 | 0 43 45 | 10° 4'07 | 4♓ 8 | 22°19 | 29°36 | 22°40 | 25° 9 | 12°38 | 13° 8 | 15° 5 | 12°53 | 19°15 | 20°37 | 5°14 | n.a. | F 19 |
| S 20 | 0 47 42 | 11° 5'14 | 16° 2 | 21°28 | 0♍48 | 23°11 | 25°22 | 12°37 | 13°11 | 15° 7 | 12°55 | 19° 7 | 20°34 | 5°20 | n.a. | S 20 |
| S 21 | 0 51 39 | 12° 6'22 | 28° 0 | 20°26 | 2° 1 | 23°41 | 25°35 | 12°36 | 13°13 | 15° 9 | 12°56 | 19° 0 | 20°31 | 5°27 | n.a. | S 21 |
| M22 | 0 55 35 | 13° 7'31 | 10♈ 4 | 19°16 | 3°13 | 24°12 | 25°48 | 12°35 | 13°15 | 15°11 | 12°58 | 18°54 | 20°28 | 5°34 | n.a. | M22 |
| T 23 | 0 59 32 | 14° 8'41 | 22°15 | 17°59 | 4°25 | 24°42 | 26° 1 | 12°34 | 13°18 | 15°14 | 12°59 | 18°49 | 20°24 | 5°40 | n.a. | T 23 |
| W24 | 1 3 28 | 15° 9'52 | 4♉34 | 16°38 | 5°37 | 25°12 | 26°14 | 12°33 | 13°20 | 15°16 | 13° 0 | 18°46 | 20°21 | 5°47 | n.a. | W24 |
| T 25 | 1 7 25 | 16°11'03 | 17° 3 | 15°15 | 6°50 | 25°42 | 26°27 | 12°32 | 13°22 | 15°18 | 13° 2 | 18°D45 | 20°18 | 5°54 | n.a. | T 25 |
| F 26 | 1 11 21 | 17°12'16 | 29°43 | 13°54 | 8° 2 | 26°12 | 26°40 | 12°31 | 13°24 | 15°20 | 13° 3 | 18°46 | 20°15 | 6° 1 | n.a. | F 26 |
| S 27 | 1 15 18 | 18°13'30 | 12♊36 | 12°36 | 9°15 | 26°41 | 26°53 | 12°30 | 13°26 | 15°23 | 13° 4 | 18°47 | 20°12 | 6° 7 | n.a. | S 27 |
| S 28 | 1 19 14 | 19°14'44 | 25°44 | 11°24 | 10°28 | 27°11 | 27° 6 | 12°30 | 13°29 | 15°25 | 13° 5 | 18°49 | 20° 9 | 6°14 | n.a. | S 28 |
| M29 | 1 23 11 | 20°16'00 | 9♋ 9 | 10°21 | 11°41 | 27°40 | 27°19 | 12°30 | 13°31 | 15°27 | 13° 7 | 18°50 | 20° 5 | 6°21 | n.a. | M29 |
| T 30 | 1 27 8 | 21°17'16 | 22°52 | 9°27 | 12°54 | 28° 9 | 27°32 | 12°29 | 13°33 | 15°29 | 13° 8 | 18°R51 | 20° 2 | 6°28 | n.a. | T 30 |
| W31 | 1 31 4 | 22♎18'33 | 6♌55 | 8♎44 | 14♍ 7 | 28♋38 | 27♍45 | 12♒29 | 13♌35 | 15♎32 | 13♌ 9 | 18♉50 | 19♉59 | 6♓34 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 3n19 | 27n 7 | 3n11 | 7s45 | 2s30 | 19n13 | 0n42 | 24n39 | 1n24 | 4n41 | 1n12 | 19s29 | 2s26 | 18n11 | 0n45 | 3s59 | 1n59 | 32n56 | 16n16 | 18n12 | 18n31 | 15s13 | | | n.a. |
| T 2 | 2 55 | 27 19 | 4 3 | 8 15 | 2 33 | 18 58 | 0 45 | 24 37 | 1 25 | 4 36 | 1 12 | 19 30 | 2 26 | 18 10 | 0 45 | 3 59 | 1 59 | 32 56 | 16 16 | 18 12 | 18 31 | 15 10 | | | n.a. |
| W 3 | 2 30 | 25 45 | 4 41 | 8 45 | 2 35 | 18 42 | 0 49 | 24 34 | 1 26 | 4 30 | 1 12 | 19 31 | 2 26 | 18 9 | 0 45 | 4 0 | 1 59 | 32 55 | 16 17 | 18 11 | 18 30 | 15 7 | | | n.a. |
| T 4 | 2 6 | 22 26 | 5 2 | 9 12 | 2 37 | 18 26 | 0 53 | 24 32 | 1 27 | 4 25 | 1 12 | 19 31 | 2 26 | 18 8 | 0 45 | 4 1 | 1 59 | 32 55 | 16 17 | 18 9 | 18 29 | 15 5 | | | n.a. |
| F 5 | 1 41 | 17 34 | 5 3 | 9 38 | 2 38 | 18 9 | 0 56 | 24 29 | 1 28 | 4 19 | 1 12 | 19 32 | 2 26 | 18 7 | 0 45 | 4 2 | 1 59 | 32 55 | 16 18 | 18 7 | 18 28 | 15 2 | | | n.a. |
| S 6 | 1 17 | 11 34 | 4 43 | 10 2 | 2 38 | 17 51 | 1 0 | 24 26 | 1 29 | 4 14 | 1 12 | 19 33 | 2 26 | 18 6 | 0 45 | 4 3 | 1 59 | 32 55 | 16 18 | 18 4 | 18 27 | 14 59 | | | n.a. |
| S 7 | 0 52 | 4 51 | 4 3 | 10 23 | 2 38 | 17 33 | 1 3 | 24 23 | 1 30 | 4 9 | 1 12 | 19 33 | 2 26 | 18 6 | 0 45 | 4 4 | 1 59 | 32 55 | 16 18 | 18 2 | 18 26 | 14 57 | | | n.a. |
| M 8 | 0 27 | 2s 5 | 3 7 | 10 42 | 2 37 | 17 15 | 1 6 | 24 20 | 1 31 | 4 3 | 1 12 | 19 34 | 2 25 | 18 5 | 0 45 | 4 5 | 1 59 | 32 54 | 16 19 | 18 0 | 18 25 | 14 54 | | | n.a. |
| T 9 | 0 3 | 8 46 | 1 58 | 10 58 | 2 35 | 16 56 | 1 9 | 24 17 | 1 32 | 3 58 | 1 12 | 19 35 | 2 25 | 18 4 | 0 45 | 4 6 | 1 58 | 32 54 | 16 19 | 17 59 | 18 25 | 14 51 | | | n.a. |
| W10 | 0s22 | 14 50 | 0 44 | 11 11 | 2 32 | 16 36 | 1 12 | 24 13 | 1 33 | 3 52 | 1 12 | 19 35 | 2 25 | 18 3 | 0 45 | 4 6 | 1 58 | 32 54 | 16 20 | 17 59 | 18 24 | 14 48 | | | n.a. |
| T 11 | 0 47 | 19 56 | 0s30 | 11 21 | 2 28 | 16 16 | 1 15 | 24 10 | 1 34 | 3 47 | 1 12 | 19 36 | 2 25 | 18 2 | 0 45 | 4 7 | 1 58 | 32 54 | 16 20 | 17 59 | 18 23 | 14 46 | | | n.a. |
| F 12 | 1 12 | 23 50 | 1 41 | 11 26 | 2 22 | 15 56 | 1 18 | 24 7 | 1 35 | 3 42 | 1 12 | 19 36 | 2 25 | 18 2 | 0 45 | 4 8 | 1 58 | 32 54 | 16 21 | 17 59 | 18 22 | 14 43 | | | n.a. |
| S 13 | 1 36 | 26 22 | 2 44 | 11 28 | 2 16 | 15 35 | 1 21 | 24 3 | 1 36 | 3 36 | 1 12 | 19 37 | 2 25 | 18 1 | 0 45 | 4 9 | 1 58 | 32 54 | 16 21 | 17 59 | 18 21 | 14 40 | | | n.a. |
| S 14 | 2 1 | 27 29 | 3 37 | 11 25 | 2 8 | 15 13 | 1 24 | 23 59 | 1 37 | 3 31 | 1 12 | 19 37 | 2 24 | 18 0 | 0 45 | 4 10 | 1 58 | 32 54 | 16 21 | 17 59 | 18 20 | 14 38 | | | n.a. |
| M15 | 2 26 | 27 11 | 4 19 | 11 17 | 1 58 | 14 52 | 1 26 | 23 55 | 1 38 | 3 25 | 1 12 | 19 37 | 2 24 | 17 59 | 0 45 | 4 11 | 1 58 | 32 54 | 16 22 | 17 59 | 18 19 | 14 35 | | | n.a. |
| T 16 | 2 50 | 25 35 | 4 49 | 11 4 | 1 47 | 14 29 | 1 29 | 23 52 | 1 39 | 3 20 | 1 12 | 19 38 | 2 24 | 17 59 | 0 45 | 4 12 | 1 58 | 32 54 | 16 22 | 17 58 | 18 19 | 14 32 | | | n.a. |
| W17 | 3 15 | 22 52 | 5 5 | 10 45 | 1 34 | 14 6 | 1 31 | 23 48 | 1 40 | 3 15 | 1 12 | 19 38 | 2 24 | 17 58 | 0 46 | 4 13 | 1 58 | 32 54 | 16 23 | 17 57 | 18 18 | 14 29 | | | n.a. |
| T 18 | 3 39 | 19 13 | 5 9 | 10 20 | 1 19 | 13 43 | 1 33 | 23 44 | 1 41 | 3 9 | 1 12 | 19 38 | 2 24 | 17 57 | 0 46 | 4 14 | 1 58 | 32 54 | 16 23 | 17 56 | 18 17 | 14 27 | | | n.a. |
| F 19 | 4 4 | 14 48 | 4 59 | 9 50 | 1 3 | 13 19 | 1 35 | 23 40 | 1 43 | 3 4 | 1 12 | 19 39 | 2 23 | 17 56 | 0 46 | 4 14 | 1 58 | 32 54 | 16 24 | 17 53 | 18 16 | 14 24 | | | n.a. |
| S 20 | 4 28 | 9 50 | 4 36 | 9 14 | 0 45 | 12 55 | 1 37 | 23 35 | 1 44 | 2 59 | 1 12 | 19 39 | 2 23 | 17 56 | 0 46 | 4 15 | 1 58 | 32 54 | 16 24 | 17 51 | 18 15 | 14 21 | | | n.a. |
| S 21 | 4 53 | 4 29 | 4 1 | 8 33 | 0 26 | 12 31 | 1 39 | 23 31 | 1 45 | 2 53 | 1 12 | 19 39 | 2 23 | 17 55 | 0 46 | 4 16 | 1 58 | 32 54 | 16 25 | 17 49 | 18 14 | 14 18 | | | n.a. |
| M22 | 5 17 | 1n 5 | 3 15 | 7 47 | 0 6 | 12 6 | 1 41 | 23 27 | 1 46 | 2 48 | 1 12 | 19 39 | 2 23 | 17 54 | 0 46 | 4 17 | 1 58 | 32 54 | 16 25 | 17 48 | 18 13 | 14 16 | | | n.a. |
| T 23 | 5 41 | 6 41 | 2 19 | 6 59 | 0n14 | 11 41 | 1 43 | 23 22 | 1 47 | 2 43 | 1 12 | 19 39 | 2 23 | 17 54 | 0 46 | 4 18 | 1 58 | 32 54 | 16 26 | 17 46 | 18 13 | 14 13 | | | n.a. |
| W24 | 6 5 | 12 6 | 1 17 | 6 8 | 0 35 | 11 15 | 1 45 | 23 18 | 1 48 | 2 38 | 1 12 | 19 40 | 2 23 | 17 53 | 0 46 | 4 19 | 1 58 | 32 54 | 16 26 | 17 45 | 18 12 | 14 10 | | | n.a. |
| T 25 | 6 29 | 17 7 | 0 9 | 5 17 | 0 55 | 10 49 | 1 46 | 23 13 | 1 49 | 2 32 | 1 12 | 19 40 | 2 22 | 17 53 | 0 46 | 4 20 | 1 58 | 32 54 | 16 27 | 17 45 | 18 11 | 14 7 | | | n.a. |
| F 26 | 6 53 | 21 28 | 1n 0 | 4 27 | 1 14 | 10 23 | 1 48 | 23 9 | 1 51 | 2 27 | 1 12 | 19 40 | 2 22 | 17 52 | 0 46 | 4 21 | 1 58 | 32 54 | 16 27 | 17 45 | 18 10 | 14 4 | | | n.a. |
| S 27 | 7 17 | 24 52 | 2 7 | 3 40 | 1 32 | 9 56 | 1 49 | 23 4 | 1 52 | 2 22 | 1 12 | 19 40 | 2 22 | 17 51 | 0 46 | 4 22 | 1 58 | 32 54 | 16 28 | 17 46 | 18 9 | 14 2 | | | n.a. |
| S 28 | 7 41 | 27 0 | 3 9 | 2 56 | 1 49 | 9 29 | 1 50 | 23 0 | 1 53 | 2 17 | 1 12 | 19 40 | 2 22 | 17 51 | 0 46 | 4 22 | 1 58 | 32 54 | 16 28 | 17 46 | 18 8 | 13 59 | | | n.a. |
| M29 | 8 4 | 27 37 | 4 2 | 2 18 | 2 3 | 9 2 | 1 51 | 22 55 | 1 54 | 2 11 | 1 12 | 19 39 | 2 22 | 17 50 | 0 46 | 4 23 | 1 58 | 32 54 | 16 29 | 17 47 | 18 7 | 13 56 | | | n.a. |
| T 30 | 8 28 | 26 34 | 4 42 | 1 45 | 2 15 | 8 34 | 1 52 | 22 50 | 1 55 | 2 6 | 1 12 | 19 39 | 2 21 | 17 50 | 0 46 | 4 24 | 1 58 | 32 54 | 16 29 | 17 47 | 18 7 | 13 53 | | | n.a. |
| W31 | 8s51 | 23n52 | 5n 7 | 1s19 | 2n25 | 8n 7 | 1n53 | 22n45 | 1n57 | 2n 1 | 1n13 | 19s39 | 2s21 | 17n49 | 0n46 | 4s25 | 1n58 | 32n54 | 16n30 | 17n46 | 18n 6 | 13s51 | | | n.a. |

Julian Day Number = 998136.5, Delta T = 12h54m26s
Ecliptic obliquity = 23°55'26, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'31, Lahiri = -31°15'30 Julian Calendar 1 Oct. 1981 BCE == Greg. Calendar 14 Sept. 1981 BCE


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## NOVEMBER 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 35 1 | 23♎19'51 | 21♌15 | 8°R12 | 15♍20 | 29♋ 7 | 27♍58 | 12°D29 | 13♌37 | 15♎34 | 13♌10 | 18°R48 | 19♉56 | 6♓41 | n.a. | T 1 |
| F 2 | 1 38 57 | 24°21'10 | 5♍52 | 7♎52 | 16°33 | 29°35 | 28°10 | 12♒29 | 13°38 | 15°36 | 13°11 | 18♉45 | 19°53 | 6°48 | n.a. | F 2 |
| S 3 | 1 42 54 | 25°22'29 | 20°38 | 7°D42 | 17°46 | 0♌ 4 | 28°23 | 12°29 | 13°40 | 15°38 | 13°12 | 18°42 | 19°50 | 6°54 | n.a. | S 3 |
| S 4 | 1 46 50 | 26°23'49 | 5♎29 | 7°42 | 18°59 | 0°32 | 28°36 | 12°30 | 13°42 | 15°41 | 13°13 | 18°38 | 19°46 | 7° 1 | n.a. | S 4 |
| M 5 | 1 50 47 | 27°25'10 | 20°15 | 7°52 | 20°13 | 1° 0 | 28°48 | 12°30 | 13°44 | 15°43 | 13°14 | 18°36 | 19°43 | 7° 8 | n.a. | M 5 |
| T 6 | 1 54 43 | 28°26'31 | 4♏49 | 8°10 | 21°26 | 1°27 | 29° 1 | 12°30 | 13°45 | 15°45 | 13°15 | 18°34 | 19°40 | 7°15 | n.a. | T 6 |
| W 7 | 1 58 40 | 29°27'52 | 19° 5 | 8°36 | 22°39 | 1°55 | 29°13 | 12°31 | 13°47 | 15°47 | 13°16 | 18°D34 | 19°37 | 7°21 | n.a. | W 7 |
| T 8 | 2 2 37 | 0♏29'13 | 2♐58 | 9°10 | 23°53 | 2°22 | 29°26 | 12°32 | 13°48 | 15°50 | 13°17 | 18°34 | 19°34 | 7°28 | n.a. | T 8 |
| F 9 | 2 6 33 | 1°30'34 | 16°26 | 9°50 | 25° 7 | 2°50 | 29°38 | 12°33 | 13°50 | 15°52 | 13°17 | 18°35 | 19°30 | 7°35 | n.a. | F 9 |
| S 10 | 2 10 30 | 2°31'56 | 29°30 | 10°35 | 26°20 | 3°17 | 29°51 | 12°34 | 13°51 | 15°54 | 13°18 | 18°37 | 19°27 | 7°41 | n.a. | S 10 |
| S 11 | 2 14 26 | 3°33'17 | 12♑11 | 11°26 | 27°34 | 3°43 | 0♎ 3 | 12°35 | 13°53 | 15°56 | 13°19 | 18°38 | 19°24 | 7°48 | n.a. | S 11 |
| M12 | 2 18 23 | 4°34'38 | 24°33 | 12°21 | 28°47 | 4°10 | 0°15 | 12°36 | 13°54 | 15°58 | 13°20 | 18°39 | 19°21 | 7°55 | n.a. | M12 |
| T 13 | 2 22 19 | 5°35'58 | 6♒41 | 13°20 | 0♎ 1 | 4°36 | 0°27 | 12°37 | 13°55 | 16° 1 | 13°20 | 18°R39 | 19°18 | 8° 2 | n.a. | T 13 |
| W14 | 2 26 16 | 6°37'19 | 18°39 | 14°22 | 1°15 | 5° 2 | 0°39 | 12°39 | 13°57 | 16° 3 | 13°21 | 18°39 | 19°15 | 8° 8 | n.a. | W14 |
| T 15 | 2 30 13 | 7°38'39 | 0♓31 | 15°28 | 2°29 | 5°28 | 0°51 | 12°40 | 13°58 | 16° 5 | 13°22 | 18°38 | 19°11 | 8°15 | n.a. | T 15 |
| F 16 | 2 34 9 | 8°39'58 | 12°23 | 16°36 | 3°42 | 5°53 | 1° 3 | 12°42 | 13°59 | 16° 7 | 13°22 | 18°36 | 19° 8 | 8°22 | n.a. | F 16 |
| S 17 | 2 38 6 | 9°41'17 | 24°18 | 17°47 | 4°56 | 6°19 | 1°15 | 12°44 | 14° 0 | 16° 9 | 13°23 | 18°35 | 19° 5 | 8°28 | n.a. | S 17 |
| S 18 | 2 42 2 | 10°42'36 | 6♈19 | 19° 0 | 6°10 | 6°44 | 1°27 | 12°45 | 14° 1 | 16°11 | 13°23 | 18°34 | 19° 2 | 8°35 | n.a. | S 18 |
| M19 | 2 45 59 | 11°43'55 | 18°30 | 20°14 | 7°24 | 7° 8 | 1°39 | 12°47 | 14° 2 | 16°13 | 13°24 | 18°33 | 18°59 | 8°42 | n.a. | M19 |
| T 20 | 2 49 55 | 12°45'13 | 0♉53 | 21°31 | 8°38 | 7°33 | 1°51 | 12°50 | 14° 3 | 16°15 | 13°24 | 18°32 | 18°56 | 8°49 | n.a. | T 20 |
| W21 | 2 53 52 | 13°46'31 | 13°29 | 22°48 | 9°52 | 7°57 | 2° 2 | 12°52 | 14° 4 | 16°17 | 13°25 | 18°D32 | 18°52 | 8°55 | n.a. | W21 |
| T 22 | 2 57 49 | 14°47'48 | 26°18 | 24° 8 | 11° 6 | 8°21 | 2°14 | 12°54 | 14° 4 | 16°20 | 13°25 | 18°32 | 18°49 | 9° 2 | n.a. | T 22 |
| F 23 | 3 1 45 | 15°49'05 | 9♊20 | 25°28 | 12°20 | 8°45 | 2°25 | 12°56 | 14° 5 | 16°22 | 13°25 | 18°32 | 18°46 | 9° 9 | n.a. | F 23 |
| S 24 | 3 5 42 | 16°50'22 | 22°36 | 26°50 | 13°34 | 9° 8 | 2°37 | 12°59 | 14° 6 | 16°24 | 13°26 | 18°32 | 18°43 | 9°15 | n.a. | S 24 |
| S 25 | 3 9 38 | 17°51'39 | 6♋ 5 | 28°13 | 14°48 | 9°31 | 2°48 | 13° 2 | 14° 6 | 16°26 | 13°26 | 18°32 | 18°40 | 9°22 | n.a. | S 25 |
| M26 | 3 13 35 | 18°52'55 | 19°46 | 29°36 | 16° 2 | 9°54 | 2°59 | 13° 4 | 14° 7 | 16°28 | 13°26 | 18°R32 | 18°36 | 9°29 | n.a. | M26 |
| T 27 | 3 17 31 | 19°54'11 | 3♌37 | 1♏ 1 | 17°17 | 10°17 | 3°10 | 13° 7 | 14° 7 | 16°30 | 13°26 | 18°32 | 18°33 | 9°36 | n.a. | T 27 |
| W28 | 3 21 28 | 20°55'26 | 17°39 | 2°26 | 18°31 | 10°39 | 3°22 | 13°10 | 14° 8 | 16°32 | 13°27 | 18°D32 | 18°30 | 9°42 | n.a. | W28 |
| T 29 | 3 25 25 | 21°56'42 | 1♍49 | 3°52 | 19°45 | 11° 1 | 3°33 | 13°13 | 14° 8 | 16°34 | 13°27 | 18°32 | 18°27 | 9°49 | n.a. | T 29 |
| F 30 | 3 29 21 | 22♏57'57 | 16♍ 5 | 5♏19 | 20♎59 | 11♌22 | 3♎43 | 13♒16 | 14♌ 9 | 16♎35 | 13♌27 | 18♉33 | 18♉24 | 9♓56 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s14 | 19n38 | 5n13 | 0s59 | 2n33 | 7n39 | 1n54 | 22n40 | 1n58 | 1n56 | 1n13 | 19s39 | 2s21 | 17n49 | 0n46 | 4s26 | 1n58 | 32n55 | 16n30 | 17n46 | 18n 5 | 13s48 | | n.a. |
| F 2 | 9 38 | 14 10 | 5 0 | 0 45 | 2 40 | 7 10 | 1 55 | 22 35 | 1 59 | 1 51 | 1 13 | 19 39 | 2 21 | 17 48 | 0 46 | 4 27 | 1 58 | 32 55 | 16 31 | 17 45 | 18 4 | 13 45 | | n.a. |
| S 3 | 10 0 | 7 51 | 4 27 | 0 37 | 2 44 | 6 42 | 1 56 | 22 30 | 2 0 | 1 46 | 1 13 | 19 39 | 2 21 | 17 48 | 0 46 | 4 28 | 1 58 | 32 55 | 16 32 | 17 44 | 18 3 | 13 42 | | n.a. |
| S 4 | 10 23 | 1 4 | 3 35 | 0 34 | 2 46 | 6 13 | 1 56 | 22 25 | 2 2 | 1 41 | 1 13 | 19 38 | 2 20 | 17 47 | 0 46 | 4 29 | 1 58 | 32 55 | 16 32 | 17 43 | 18 2 | 13 39 | | n.a. |
| M 5 | 10 46 | 5s46 | 2 30 | 0 37 | 2 47 | 5 44 | 1 57 | 22 20 | 2 3 | 1 36 | 1 13 | 19 38 | 2 20 | 17 47 | 0 46 | 4 30 | 1 58 | 32 55 | 16 33 | 17 42 | 18 1 | 13 36 | | n.a. |
| T 6 | 11 8 | 12 13 | 1 15 | 0 45 | 2 47 | 5 15 | 1 57 | 22 15 | 2 4 | 1 31 | 1 13 | 19 38 | 2 20 | 17 46 | 0 46 | 4 30 | 1 58 | 32 56 | 16 33 | 17 42 | 18 0 | 13 34 | | n.a. |
| W 7 | 11 30 | 17 54 | 0s 3 | 0 57 | 2 46 | 4 45 | 1 57 | 22 10 | 2 6 | 1 26 | 1 13 | 19 37 | 2 20 | 17 46 | 0 46 | 4 31 | 1 58 | 32 56 | 16 34 | 17 42 | 18 0 | 13 31 | | n.a. |
| T 8 | 11 52 | 22 28 | 1 19 | 1 12 | 2 43 | 4 16 | 1 57 | 22 5 | 2 7 | 1 21 | 1 13 | 19 37 | 2 20 | 17 45 | 0 46 | 4 32 | 1 58 | 32 56 | 16 34 | 17 42 | 17 59 | 13 28 | | n.a. |
| F 9 | 12 14 | 25 40 | 2 28 | 1 31 | 2 40 | 3 46 | 1 57 | 22 0 | 2 8 | 1 16 | 1 13 | 19 36 | 2 19 | 17 45 | 0 46 | 4 33 | 1 58 | 32 56 | 16 35 | 17 42 | 17 58 | 13 25 | | n.a. |
| S 10 | 12 36 | 27 23 | 3 27 | 1 53 | 2 36 | 3 17 | 1 57 | 21 55 | 2 10 | 1 11 | 1 13 | 19 36 | 2 19 | 17 45 | 0 47 | 4 34 | 1 58 | 32 57 | 16 36 | 17 43 | 17 57 | 13 22 | | n.a. |
| S 11 | 12 57 | 27 35 | 4 15 | 2 18 | 2 32 | 2 47 | 1 57 | 21 50 | 2 11 | 1 6 | 1 13 | 19 35 | 2 19 | 17 44 | 0 47 | 4 35 | 1 58 | 32 57 | 16 36 | 17 43 | 17 56 | 13 19 | | n.a. |
| M12 | 13 18 | 26 23 | 4 49 | 2 44 | 2 26 | 2 17 | 1 57 | 21 45 | 2 12 | 1 1 | 1 13 | 19 35 | 2 19 | 17 44 | 0 47 | 4 35 | 1 58 | 32 57 | 16 37 | 17 43 | 17 55 | 13 17 | | n.a. |
| T 13 | 13 39 | 23 57 | 5 9 | 3 13 | 2 21 | 1 46 | 1 57 | 21 40 | 2 14 | 0 56 | 1 13 | 19 34 | 2 18 | 17 44 | 0 47 | 4 36 | 1 58 | 32 58 | 16 37 | 17 43 | 17 54 | 13 14 | | n.a. |
| W14 | 14 0 | 20 32 | 5 16 | 3 43 | 2 15 | 1 16 | 1 57 | 21 34 | 2 15 | 0 51 | 1 13 | 19 34 | 2 18 | 17 43 | 0 47 | 4 37 | 1 58 | 32 58 | 16 38 | 17 43 | 17 53 | 13 11 | | n.a. |
| T 15 | 14 20 | 16 19 | 5 10 | 4 15 | 2 8 | 0 46 | 1 56 | 21 29 | 2 17 | 0 46 | 1 13 | 19 33 | 2 18 | 17 43 | 0 47 | 4 38 | 1 58 | 32 58 | 16 38 | 17 43 | 17 52 | 13 8 | | n.a. |
| F 16 | 14 41 | 11 30 | 4 50 | 4 47 | 2 1 | 0 16 | 1 56 | 21 24 | 2 18 | 0 41 | 1 13 | 19 32 | 2 18 | 17 43 | 0 47 | 4 39 | 1 59 | 32 59 | 16 39 | 17 43 | 17 52 | 13 5 | | n.a. |
| S 17 | 15 1 | 6 14 | 4 17 | 5 21 | 1 54 | 0s15 | 1 55 | 21 19 | 2 19 | 0 37 | 1 13 | 19 32 | 2 18 | 17 42 | 0 47 | 4 40 | 1 59 | 32 59 | 16 40 | 17 42 | 17 51 | 13 2 | | n.a. |
| S 18 | 15 20 | 0 41 | 3 33 | 5 56 | 1 47 | 0 45 | 1 54 | 21 14 | 2 21 | 0 32 | 1 14 | 19 31 | 2 17 | 17 42 | 0 47 | 4 40 | 1 59 | 32 59 | 16 40 | 17 42 | 17 50 | 13 0 | | n.a. |
| M19 | 15 40 | 4n57 | 2 39 | 6 31 | 1 40 | 1 16 | 1 54 | 21 9 | 2 22 | 0 27 | 1 14 | 19 30 | 2 17 | 17 42 | 0 47 | 4 41 | 1 59 | 33 0 | 16 41 | 17 42 | 17 49 | 12 57 | | n.a. |
| T 20 | 15 59 | 10 31 | 1 36 | 7 7 | 1 33 | 1 46 | 1 53 | 21 4 | 2 24 | 0 23 | 1 14 | 19 29 | 2 17 | 17 42 | 0 47 | 4 42 | 1 59 | 33 0 | 16 41 | 17 41 | 17 48 | 12 54 | | n.a. |
| W21 | 16 18 | 15 45 | 0 28 | 7 44 | 1 25 | 2 17 | 1 52 | 20 59 | 2 25 | 0 18 | 1 14 | 19 28 | 2 17 | 17 41 | 0 47 | 4 43 | 1 59 | 33 1 | 16 42 | 17 41 | 17 47 | 12 51 | | n.a. |
| T 22 | 16 36 | 20 25 | 0n43 | 8 21 | 1 18 | 2 47 | 1 51 | 20 54 | 2 27 | 0 13 | 1 14 | 19 28 | 2 17 | 17 41 | 0 47 | 4 44 | 1 59 | 33 1 | 16 42 | 17 41 | 17 46 | 12 48 | | n.a. |
| F 23 | 16 54 | 24 9 | 1 53 | 8 58 | 1 10 | 3 18 | 1 50 | 20 49 | 2 28 | 0 9 | 1 14 | 19 27 | 2 16 | 17 41 | 0 47 | 4 44 | 1 59 | 33 2 | 16 43 | 17 41 | 17 45 | 12 45 | | n.a. |
| S 24 | 17 12 | 26 40 | 2 58 | 9 35 | 1 2 | 3 48 | 1 48 | 20 44 | 2 30 | 0 4 | 1 14 | 19 26 | 2 16 | 17 41 | 0 47 | 4 45 | 1 59 | 33 2 | 16 44 | 17 42 | 17 44 | 12 42 | | n.a. |
| S 25 | 17 30 | 27 41 | 3 54 | 10 12 | 0 55 | 4 18 | 1 47 | 20 39 | 2 31 | 0s 0 | 1 14 | 19 25 | 2 16 | 17 41 | 0 47 | 4 46 | 1 59 | 33 2 | 16 44 | 17 42 | 17 44 | 12 39 | | n.a. |
| M26 | 17 47 | 27 1 | 4 38 | 10 49 | 0 47 | 4 49 | 1 46 | 20 35 | 2 33 | 0 5 | 1 14 | 19 24 | 2 16 | 17 41 | 0 47 | 4 47 | 1 59 | 33 3 | 16 45 | 17 42 | 17 43 | 12 36 | | n.a. |
| T 27 | 18 4 | 24 41 | 5 6 | 11 27 | 0 40 | 5 19 | 1 45 | 20 30 | 2 35 | 0 9 | 1 14 | 19 23 | 2 16 | 17 41 | 0 47 | 4 47 | 1 59 | 33 3 | 16 45 | 17 42 | 17 42 | 12 34 | | n.a. |
| W28 | 18 21 | 20 52 | 5 17 | 12 4 | 0 32 | 5 49 | 1 43 | 20 25 | 2 36 | 0 14 | 1 14 | 19 22 | 2 15 | 17 41 | 0 47 | 4 48 | 1 59 | 33 4 | 16 46 | 17 42 | 17 41 | 12 31 | | n.a. |
| T 29 | 18 37 | 15 50 | 5 9 | 12 41 | 0 25 | 6 19 | 1 42 | 20 21 | 2 38 | 0 18 | 1 15 | 19 21 | 2 15 | 17 40 | 0 47 | 4 49 | 1 59 | 33 4 | 16 47 | 17 42 | 17 40 | 12 28 | | n.a. |
| F 30 | 18s53 | 9n54 | 4n41 | 13s17 | 0n17 | 6s49 | 1n40 | 20n16 | 2n39 | 0s22 | 1n15 | 19s20 | 2s15 | 17n40 | 0n47 | 4s49 | 1n59 | 33n 5 | 16n47 | 17n42 | 17n39 | 12s25 | | n.a. |

Julian Day Number = 998167.5, Delta T = 12h54m23s
Ecliptic obliquity = 23°55'26, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'27, Lahiri = -31°15'26 Julian Calendar 1 Nov. 1981 BCE == Greg. Calendar 15 Oct. 1981 BCE


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# ASTRODIENST EPHEMERIS for the year 1981 BCE
# geocentric

## DECEMBER 1981 BCE (-1980) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 33 18 | 23♏59'11 | 0♎25 | 6♏46 | 22♎13 | 11♌43 | 3♎54 | 13♒19 | 14♌ 9 | 16♎37 | 13♌27 | 18♉33 | 18♉21 | 10♓ 2 | n.a. | S 1 |
| S 2 | 3 37 14 | 25° 0'25 | 14°46 | 8°14 | 23°28 | 12° 4 | 4° 5 | 13°23 | 14° 9 | 16°39 | 13°R27 | 18°34 | 18°17 | 10° 9 | n.a. | S 2 |
| M 3 | 3 41 11 | 26° 1'38 | 29° 2 | 9°43 | 24°42 | 12°25 | 4°16 | 13°26 | 14° 9 | 16°41 | 13°27 | 18°34 | 18°14 | 10°16 | n.a. | M 3 |
| T 4 | 3 45 7 | 27° 2'51 | 13♏11 | 11°13 | 25°56 | 12°45 | 4°26 | 13°30 | 14° 9 | 16°43 | 13°27 | 18°R35 | 18°11 | 10°23 | n.a. | T 4 |
| W 5 | 3 49 4 | 28° 4'03 | 27° 7 | 12°43 | 27°11 | 13° 4 | 4°37 | 13°33 | 14°R 9 | 16°45 | 13°27 | 18°35 | 18° 8 | 10°29 | n.a. | W 5 |
| T 6 | 3 53 0 | 29° 5'14 | 10♐48 | 14°13 | 28°25 | 13°24 | 4°47 | 13°37 | 14° 9 | 16°47 | 13°27 | 18°34 | 18° 5 | 10°36 | n.a. | T 6 |
| F 7 | 3 56 57 | 0♐ 6'24 | 24° 9 | 15°45 | 29°39 | 13°43 | 4°57 | 13°41 | 14° 9 | 16°48 | 13°27 | 18°33 | 18° 1 | 10°43 | n.a. | F 7 |
| S 8 | 4 0 54 | 1° 7'33 | 7♑12 | 17°16 | 0♏53 | 14° 1 | 5° 8 | 13°45 | 14° 9 | 16°50 | 13°26 | 18°31 | 17°58 | 10°49 | n.a. | S 8 |
| S 9 | 4 4 50 | 2° 8'41 | 19°54 | 18°49 | 2° 8 | 14°19 | 5°18 | 13°49 | 14° 9 | 16°52 | 13°26 | 18°29 | 17°55 | 10°56 | n.a. | S 9 |
| M10 | 4 8 47 | 3° 9'47 | 2♒20 | 20°22 | 3°22 | 14°37 | 5°28 | 13°53 | 14° 9 | 16°54 | 13°26 | 18°27 | 17°52 | 11° 3 | n.a. | M10 |
| T 11 | 4 12 43 | 4°10'52 | 14°30 | 21°55 | 4°36 | 14°54 | 5°37 | 13°57 | 14° 8 | 16°55 | 13°26 | 18°25 | 17°49 | 11°10 | n.a. | T 11 |
| W12 | 4 16 40 | 5°11'56 | 26°30 | 23°30 | 5°51 | 15°11 | 5°47 | 14° 1 | 14° 8 | 16°57 | 13°25 | 18°24 | 17°46 | 11°16 | n.a. | W12 |
| T 13 | 4 20 36 | 6°12'58 | 8♓23 | 25° 4 | 7° 5 | 15°27 | 5°57 | 14° 6 | 14° 8 | 16°59 | 13°25 | 18°D24 | 17°42 | 11°23 | n.a. | T 13 |
| F 14 | 4 24 33 | 7°13'59 | 20°14 | 26°40 | 8°19 | 15°43 | 6° 6 | 14°10 | 14° 7 | 17° 0 | 13°25 | 18°25 | 17°39 | 11°30 | n.a. | F 14 |
| S 15 | 4 28 30 | 8°14'58 | 2♈ 9 | 28°16 | 9°34 | 15°59 | 6°16 | 14°15 | 14° 7 | 17° 2 | 13°24 | 18°26 | 17°36 | 11°36 | n.a. | S 15 |
| S 16 | 4 32 26 | 9°15'56 | 14°12 | 29°53 | 10°48 | 16°14 | 6°25 | 14°19 | 14° 6 | 17° 3 | 13°24 | 18°28 | 17°33 | 11°43 | n.a. | S 16 |
| M17 | 4 36 23 | 10°16'52 | 26°27 | 1♉30 | 12° 2 | 16°28 | 6°34 | 14°24 | 14° 5 | 17° 5 | 13°23 | 18°29 | 17°30 | 11°50 | n.a. | M17 |
| T 18 | 4 40 19 | 11°17'47 | 8♉58 | 3° 8 | 13°17 | 16°42 | 6°43 | 14°29 | 14° 5 | 17° 6 | 13°23 | 18°30 | 17°27 | 11°57 | n.a. | T 18 |
| W19 | 4 44 16 | 12°18'40 | 21°46 | 4°47 | 14°31 | 16°56 | 6°52 | 14°34 | 14° 4 | 17° 8 | 13°22 | 18°R31 | 17°23 | 12° 3 | n.a. | W19 |
| T 20 | 4 48 12 | 13°19'32 | 4♊54 | 6°27 | 15°45 | 17° 9 | 7° 1 | 14°39 | 14° 3 | 17° 9 | 13°22 | 18°30 | 17°20 | 12°10 | n.a. | T 20 |
| F 21 | 4 52 9 | 14°20'22 | 18°20 | 8° 7 | 17° 0 | 17°22 | 7°10 | 14°44 | 14° 2 | 17°11 | 13°21 | 18°27 | 17°17 | 12°17 | n.a. | F 21 |
| S 22 | 4 56 5 | 15°21'11 | 2♋ 4 | 9°48 | 18°14 | 17°33 | 7°18 | 14°49 | 14° 2 | 17°12 | 13°20 | 18°24 | 17°14 | 12°23 | n.a. | S 22 |
| S 23 | 5 0 2 | 16°21'58 | 16° 2 | 11°30 | 19°28 | 17°45 | 7°27 | 14°54 | 14° 1 | 17°14 | 13°20 | 18°20 | 17°11 | 12°30 | n.a. | S 23 |
| M24 | 5 3 59 | 17°22'45 | 0♌ 9 | 13°13 | 20°43 | 17°56 | 7°35 | 14°59 | 14° 0 | 17°15 | 13°19 | 18°15 | 17° 7 | 12°37 | n.a. | M24 |
| T 25 | 5 7 55 | 18°23'29 | 14°23 | 14°56 | 21°57 | 18° 6 | 7°43 | 15° 5 | 13°59 | 17°16 | 13°18 | 18°11 | 17° 4 | 12°44 | n.a. | T 25 |
| W26 | 5 11 52 | 19°24'13 | 28°38 | 16°40 | 23°12 | 18°16 | 7°52 | 15°10 | 13°57 | 17°18 | 13°17 | 18° 8 | 17° 1 | 12°50 | n.a. | W26 |
| T 27 | 5 15 48 | 20°24'55 | 12♍52 | 18°26 | 24°26 | 18°25 | 7°59 | 15°15 | 13°56 | 17°19 | 13°17 | 18° 7 | 16°58 | 12°57 | n.a. | T 27 |
| F 28 | 5 19 45 | 21°25'35 | 27° 1 | 20°11 | 25°40 | 18°34 | 8° 7 | 15°21 | 13°55 | 17°20 | 13°16 | 18°D 7 | 16°55 | 13° 4 | n.a. | F 28 |
| S 29 | 5 23 41 | 22°26'14 | 11♎ 5 | 21°58 | 26°55 | 18°41 | 8°15 | 15°27 | 13°54 | 17°21 | 13°15 | 18° 8 | 16°52 | 13°10 | n.a. | S 29 |
| S 30 | 5 27 38 | 23°26'52 | 25° 2 | 23°46 | 28° 9 | 18°49 | 8°23 | 15°32 | 13°53 | 17°23 | 13°14 | 18° 9 | 16°48 | 13°17 | n.a. | S 30 |
| M31 | 5 31 35 | 24♐27'29 | 8♏50 | 25♐34 | 29♏23 | 18♌55 | 8♎30 | 15♒38 | 13♌51 | 17♎24 | 13♌13 | 18♉10 | 16♉45 | 13♓24 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 19s 9 | 3n26 | 3n56 | 13s54 | 0n10 | 7s18 | 1n38 | 20n11 | 2n41 | 0s27 | 1n15 | 19s18 | 2s15 | 17n40 | 0n47 | 4s50 | 1n59 | 33n 6 | 16n48 | 17n42 | 17n38 | 12s22 | | n.a. |
| S 2 | 19 24 | 3s13 | 2 57 | 14 30 | 0 3 | 7 48 | 1 37 | 20 7 | 2 43 | 0 31 | 1 15 | 19 17 | 2 15 | 17 40 | 0 48 | 4 51 | 1 59 | 33 6 | 16 48 | 17 42 | 17 37 | 12 19 | | n.a. |
| M 3 | 19 39 | 9 42 | 1 46 | 15 5 | 0s 5 | 8 17 | 1 35 | 20 3 | 2 44 | 0 35 | 1 15 | 19 16 | 2 14 | 17 40 | 0 48 | 4 52 | 1 59 | 33 7 | 16 49 | 17 42 | 17 36 | 12 16 | | n.a. |
| T 4 | 19 54 | 15 38 | 0 30 | 15 41 | 0 12 | 8 46 | 1 33 | 19 59 | 2 46 | 0 39 | 1 15 | 19 15 | 2 14 | 17 40 | 0 48 | 4 52 | 1 59 | 33 7 | 16 50 | 17 42 | 17 35 | 12 13 | | n.a. |
| W 5 | 20 8 | 20 41 | 0s47 | 16 15 | 0 18 | 9 15 | 1 31 | 19 54 | 2 48 | 0 43 | 1 15 | 19 14 | 2 14 | 17 40 | 0 48 | 4 53 | 1 59 | 33 8 | 16 50 | 17 42 | 17 35 | 12 10 | | n.a. |
| T 6 | 20 22 | 24 30 | 2 0 | 16 50 | 0 25 | 9 44 | 1 29 | 19 50 | 2 50 | 0 47 | 1 15 | 19 12 | 2 14 | 17 40 | 0 48 | 4 54 | 1 59 | 33 8 | 16 51 | 17 42 | 17 34 | 12 7 | | n.a. |
| F 7 | 20 35 | 26 52 | 3 4 | 17 23 | 0 32 | 10 13 | 1 27 | 19 46 | 2 51 | 0 51 | 1 15 | 19 11 | 2 14 | 17 41 | 0 48 | 4 54 | 1 59 | 33 9 | 16 51 | 17 42 | 17 33 | 12 4 | | n.a. |
| S 8 | 20 48 | 27 41 | 3 58 | 17 56 | 0 38 | 10 41 | 1 25 | 19 42 | 2 53 | 0 55 | 1 16 | 19 10 | 2 14 | 17 41 | 0 48 | 4 55 | 1 59 | 33 10 | 16 52 | 17 41 | 17 32 | 12 1 | | n.a. |
| S 9 | 21 1 | 26 59 | 4 38 | 18 29 | 0 45 | 11 9 | 1 23 | 19 39 | 2 55 | 0 59 | 1 16 | 19 8 | 2 13 | 17 41 | 0 48 | 4 56 | 1 59 | 33 10 | 16 52 | 17 41 | 17 31 | 11 59 | | n.a. |
| M10 | 21 13 | 24 57 | 5 3 | 19 1 | 0 51 | 11 37 | 1 21 | 19 35 | 2 57 | 1 3 | 1 16 | 19 7 | 2 13 | 17 41 | 0 48 | 4 56 | 1 59 | 33 11 | 16 53 | 17 40 | 17 30 | 11 56 | | n.a. |
| T 11 | 21 25 | 21 49 | 5 15 | 19 32 | 0 57 | 12 5 | 1 19 | 19 32 | 2 58 | 1 7 | 1 16 | 19 6 | 2 13 | 17 41 | 0 48 | 4 57 | 1 59 | 33 11 | 16 54 | 17 40 | 17 29 | 11 53 | | n.a. |
| W12 | 21 36 | 17 49 | 5 13 | 20 2 | 1 2 | 12 32 | 1 17 | 19 28 | 3 0 | 1 11 | 1 16 | 19 4 | 2 13 | 17 41 | 0 48 | 4 57 | 1 59 | 33 12 | 16 54 | 17 39 | 17 28 | 11 50 | | n.a. |
| T 13 | 21 47 | 13 10 | 4 57 | 20 31 | 1 8 | 12 59 | 1 15 | 19 25 | 3 2 | 1 15 | 1 16 | 19 3 | 2 13 | 17 41 | 0 48 | 4 58 | 1 59 | 33 13 | 16 55 | 17 39 | 17 27 | 11 47 | | n.a. |
| F 14 | 21 57 | 8 2 | 4 28 | 20 59 | 1 13 | 13 26 | 1 12 | 19 22 | 3 4 | 1 18 | 1 16 | 19 1 | 2 12 | 17 41 | 0 48 | 4 59 | 1 59 | 33 13 | 16 55 | 17 39 | 17 26 | 11 44 | | n.a. |
| S 15 | 22 8 | 2 36 | 3 48 | 21 27 | 1 18 | 13 52 | 1 10 | 19 19 | 3 6 | 1 22 | 1 16 | 19 0 | 2 12 | 17 42 | 0 48 | 4 59 | 2 0 | 33 14 | 16 56 | 17 40 | 17 26 | 11 41 | | n.a. |
| S 16 | 22 17 | 2n59 | 2 58 | 21 53 | 1 23 | 14 18 | 1 8 | 19 16 | 3 8 | 1 26 | 1 17 | 18 58 | 2 12 | 17 42 | 0 48 | 5 0 | 2 0 | 33 15 | 16 56 | 17 40 | 17 25 | 11 38 | | n.a. |
| M17 | 22 26 | 8 34 | 1 59 | 22 19 | 1 28 | 14 43 | 1 5 | 19 13 | 3 9 | 1 29 | 1 17 | 18 56 | 2 12 | 17 42 | 0 48 | 5 0 | 2 0 | 33 15 | 16 57 | 17 41 | 17 24 | 11 35 | | n.a. |
| T 18 | 22 35 | 13 57 | 0 52 | 22 43 | 1 32 | 15 9 | 1 3 | 19 11 | 3 11 | 1 33 | 1 17 | 18 55 | 2 12 | 17 42 | 0 48 | 5 1 | 2 0 | 33 16 | 16 57 | 17 41 | 17 23 | 11 32 | | n.a. |
| W19 | 22 44 | 18 52 | 0n18 | 23 6 | 1 36 | 15 34 | 1 0 | 19 8 | 3 13 | 1 36 | 1 17 | 18 53 | 2 12 | 17 43 | 0 48 | 5 1 | 2 0 | 33 17 | 16 58 | 17 41 | 17 22 | 11 29 | | n.a. |
| T 20 | 22 52 | 23 0 | 1 29 | 23 28 | 1 40 | 15 58 | 0 58 | 19 6 | 3 15 | 1 40 | 1 17 | 18 52 | 2 11 | 17 43 | 0 48 | 5 2 | 2 0 | 33 17 | 16 58 | 17 41 | 17 21 | 11 26 | | n.a. |
| F 21 | 22 59 | 26 0 | 2 36 | 23 48 | 1 43 | 16 22 | 0 55 | 19 4 | 3 17 | 1 43 | 1 17 | 18 50 | 2 11 | 17 43 | 0 48 | 5 2 | 2 0 | 33 18 | 16 59 | 17 40 | 17 20 | 11 23 | | n.a. |
| S 22 | 23 6 | 27 31 | 3 36 | 24 8 | 1 47 | 16 46 | 0 53 | 19 2 | 3 19 | 1 46 | 1 17 | 18 48 | 2 11 | 17 43 | 0 48 | 5 3 | 2 0 | 33 19 | 17 0 | 17 39 | 17 19 | 11 20 | | n.a. |
| S 23 | 23 13 | 27 19 | 4 24 | 24 25 | 1 49 | 17 9 | 0 50 | 19 0 | 3 21 | 1 50 | 1 18 | 18 47 | 2 11 | 17 44 | 0 48 | 5 3 | 2 0 | 33 19 | 17 0 | 17 38 | 17 18 | 11 17 | | n.a. |
| M24 | 23 19 | 25 21 | 4 57 | 24 42 | 1 52 | 17 32 | 0 48 | 18 59 | 3 23 | 1 53 | 1 18 | 18 45 | 2 11 | 17 44 | 0 49 | 5 4 | 2 0 | 33 20 | 17 1 | 17 37 | 17 17 | 11 14 | | n.a. |
| T 25 | 23 24 | 21 48 | 5 12 | 24 56 | 1 54 | 17 54 | 0 45 | 18 57 | 3 25 | 1 56 | 1 18 | 18 43 | 2 11 | 17 44 | 0 49 | 5 4 | 2 0 | 33 21 | 17 1 | 17 36 | 17 16 | 11 11 | | n.a. |
| W26 | 23 29 | 16 58 | 5 7 | 25 10 | 1 56 | 18 16 | 0 42 | 18 56 | 3 27 | 1 59 | 1 18 | 18 41 | 2 11 | 17 45 | 0 49 | 5 5 | 2 0 | 33 22 | 17 2 | 17 35 | 17 15 | 11 8 | | n.a. |
| T 27 | 23 34 | 11 13 | 4 44 | 25 21 | 1 57 | 18 37 | 0 40 | 18 55 | 3 29 | 2 2 | 1 18 | 18 39 | 2 10 | 17 45 | 0 49 | 5 5 | 2 0 | 33 22 | 17 2 | 17 34 | 17 15 | 11 5 | | n.a. |
| F 28 | 23 38 | 4 55 | 4 3 | 25 31 | 1 58 | 18 58 | 0 37 | 18 54 | 3 31 | 2 5 | 1 18 | 18 38 | 2 10 | 17 46 | 0 49 | 5 6 | 2 0 | 33 23 | 17 3 | 17 34 | 17 14 | 11 2 | | n.a. |
| S 29 | 23 42 | 1s35 | 3 8 | 25 39 | 1 59 | 19 18 | 0 34 | 18 54 | 3 33 | 2 8 | 1 19 | 18 36 | 2 10 | 17 46 | 0 49 | 5 6 | 2 0 | 33 24 | 17 3 | 17 35 | 17 13 | 10 59 | | n.a. |
| S 30 | 23 45 | 7 59 | 2 3 | 25 45 | 1 59 | 19 38 | 0 32 | 18 53 | 3 35 | 2 11 | 1 19 | 18 34 | 2 10 | 17 46 | 0 49 | 5 7 | 2 0 | 33 25 | 17 4 | 17 35 | 17 12 | 10 56 | | n.a. |
| M31 | 23s48 | 13s56 | 0n51 | 25s49 | 1s58 | 19s57 | 0n29 | 18n53 | 3n37 | 2s14 | 1n19 | 18s32 | 2s10 | 17n47 | 0n49 | 5s 7 | 2n 0 | 33n25 | 17n 4 | 17n35 | 17n11 | 10s53 | | n.a. |

Julian Day Number = 998197.5, Delta T = 12h54m21s
Ecliptic obliquity = 23°55'26, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'23, Lahiri = -31°15'22 Julian Calendar 1 Dec. 1981 BCE == Greg. Calendar 14 Nov. 1981 BCE

The year -1980 astronomical counting style corresponds to year 1981 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## JANUARY 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 35 31 | 25♐28'04 | 22♏30 | 27♐23 | 0♐38 | 19♌ 1 | 8♎37 | 15♒44 | 13°R50 | 17♎25 | 13°R12 | 18°R11 | 16♉42 | 13♓31 | n.a. | T 1 |
| W 2 | 5 39 28 | 26°28'37 | 6♐ 0 | 29°13 | 1°52 | 19° 7 | 8°44 | 15°50 | 13♌48 | 17°26 | 13♌11 | 18♉ 9 | 16°39 | 13°37 | n.a. | W 2 |
| T 3 | 5 43 24 | 27°29'09 | 19°17 | 1♑ 3 | 3° 6 | 19°11 | 8°51 | 15°56 | 13°47 | 17°27 | 13°10 | 18° 6 | 16°36 | 13°44 | n.a. | T 3 |
| F 4 | 5 47 21 | 28°29'39 | 2♑22 | 2°54 | 4°20 | 19°15 | 8°58 | 16° 2 | 13°45 | 17°28 | 13° 9 | 18° 0 | 16°33 | 13°51 | n.a. | F 4 |
| S 5 | 5 51 17 | 29°30'07 | 15°13 | 4°46 | 5°35 | 19°19 | 9° 5 | 16° 8 | 13°44 | 17°29 | 13° 8 | 17°53 | 16°29 | 13°57 | n.a. | S 5 |
| S 6 | 5 55 14 | 0♑30'33 | 27°49 | 6°38 | 6°49 | 19°21 | 9°11 | 16°14 | 13°42 | 17°30 | 13° 7 | 17°45 | 16°26 | 14° 4 | n.a. | S 6 |
| M 7 | 5 59 10 | 1°30'57 | 10♒10 | 8°30 | 8° 3 | 19°23 | 9°18 | 16°20 | 13°41 | 17°31 | 13° 6 | 17°37 | 16°23 | 14°11 | n.a. | M 7 |
| T 8 | 6 3 7 | 2°31'19 | 22°20 | 10°23 | 9°18 | 19°24 | 9°24 | 16°27 | 13°39 | 17°32 | 13° 5 | 17°30 | 16°20 | 14°18 | n.a. | T 8 |
| W 9 | 6 7 4 | 3°31'39 | 4♓19 | 12°16 | 10°32 | 19°R24 | 9°30 | 16°33 | 13°37 | 17°33 | 13° 4 | 17°24 | 16°17 | 14°24 | n.a. | W 9 |
| T 10 | 6 11 0 | 4°31'57 | 16°12 | 14° 8 | 11°46 | 19°24 | 9°36 | 16°40 | 13°35 | 17°34 | 13° 2 | 17°20 | 16°13 | 14°31 | n.a. | T 10 |
| F 11 | 6 14 57 | 5°32'12 | 28° 2 | 16° 0 | 13° 0 | 19°23 | 9°42 | 16°46 | 13°34 | 17°35 | 13° 1 | 17°18 | 16°10 | 14°38 | n.a. | F 11 |
| S 12 | 6 18 53 | 6°32'25 | 9♈56 | 17°52 | 14°15 | 19°21 | 9°47 | 16°53 | 13°32 | 17°35 | 13° 0 | 17°D17 | 16° 7 | 14°44 | n.a. | S 12 |
| S 13 | 6 22 50 | 7°32'36 | 21°57 | 19°42 | 15°29 | 19°18 | 9°53 | 16°59 | 13°30 | 17°36 | 12°59 | 17°18 | 16° 4 | 14°51 | n.a. | S 13 |
| M14 | 6 26 46 | 8°32'45 | 4♉11 | 21°31 | 16°43 | 19°15 | 9°58 | 17° 6 | 13°28 | 17°37 | 12°57 | 17°19 | 16° 1 | 14°58 | n.a. | M14 |
| T 15 | 6 30 43 | 9°32'51 | 16°43 | 23°19 | 17°57 | 19°11 | 10° 3 | 17°12 | 13°26 | 17°37 | 12°56 | 17°R20 | 15°58 | 15° 4 | n.a. | T 15 |
| W16 | 6 34 39 | 10°32'55 | 29°37 | 25° 4 | 19°11 | 19° 6 | 10° 8 | 17°19 | 13°24 | 17°38 | 12°55 | 17°19 | 15°54 | 15°11 | n.a. | W16 |
| T 17 | 6 38 36 | 11°32'57 | 12♊55 | 26°46 | 20°26 | 19° 0 | 10°13 | 17°26 | 13°22 | 17°39 | 12°54 | 17°16 | 15°51 | 15°18 | n.a. | T 17 |
| F 18 | 6 42 33 | 12°32'57 | 26°38 | 28°26 | 21°40 | 18°54 | 10°17 | 17°33 | 13°20 | 17°39 | 12°52 | 17°11 | 15°48 | 15°25 | n.a. | F 18 |
| S 19 | 6 46 29 | 13°32'54 | 10♋44 | 0♒ 1 | 22°54 | 18°47 | 10°22 | 17°40 | 13°18 | 17°40 | 12°51 | 17° 4 | 15°45 | 15°31 | n.a. | S 19 |
| S 20 | 6 50 26 | 14°32'50 | 25° 9 | 1°33 | 24° 8 | 18°39 | 10°26 | 17°47 | 13°16 | 17°40 | 12°49 | 16°55 | 15°42 | 15°38 | n.a. | S 20 |
| M21 | 6 54 22 | 15°32'43 | 9♌46 | 2°59 | 25°22 | 18°30 | 10°30 | 17°54 | 13°13 | 17°41 | 12°48 | 16°45 | 15°39 | 15°45 | n.a. | M21 |
| T 22 | 6 58 19 | 16°32'34 | 24°28 | 4°20 | 26°37 | 18°20 | 10°34 | 18° 1 | 13°11 | 17°41 | 12°47 | 16°36 | 15°35 | 15°51 | n.a. | T 22 |
| W23 | 7 2 15 | 17°32'24 | 9♍ 7 | 5°36 | 27°51 | 18°10 | 10°38 | 18° 8 | 13° 9 | 17°42 | 12°45 | 16°29 | 15°32 | 15°58 | n.a. | W23 |
| T 24 | 7 6 12 | 18°32'11 | 23°37 | 6°44 | 29° 5 | 17°59 | 10°42 | 18°15 | 13° 7 | 17°42 | 12°44 | 16°24 | 15°29 | 16° 5 | n.a. | T 24 |
| F 25 | 7 10 8 | 19°31'56 | 7♎54 | 7°46 | 0♑19 | 17°47 | 10°45 | 18°22 | 13° 4 | 17°42 | 12°42 | 16°22 | 15°26 | 16°12 | n.a. | F 25 |
| S 26 | 7 14 5 | 20°31'40 | 21°56 | 8°41 | 1°33 | 17°35 | 10°48 | 18°29 | 13° 2 | 17°43 | 12°41 | 16°D21 | 15°23 | 16°18 | n.a. | S 26 |
| S 27 | 7 18 1 | 21°31'22 | 5♏43 | 9°28 | 2°47 | 17°21 | 10°51 | 18°36 | 13° 0 | 17°43 | 12°39 | 16°22 | 15°19 | 16°25 | n.a. | S 27 |
| M28 | 7 21 58 | 22°31'01 | 19°14 | 10° 7 | 4° 1 | 17° 7 | 10°54 | 18°43 | 12°57 | 17°43 | 12°38 | 16°R22 | 15°16 | 16°32 | n.a. | M28 |
| T 29 | 7 25 55 | 23°30'39 | 2♐33 | 10°38 | 5°15 | 16°53 | 10°57 | 18°51 | 12°55 | 17°44 | 12°36 | 16°21 | 15°13 | 16°38 | n.a. | T 29 |
| W30 | 7 29 51 | 24°30'16 | 15°39 | 11° 0 | 6°30 | 16°37 | 10°59 | 18°58 | 12°53 | 17°44 | 12°35 | 16°17 | 15°10 | 16°45 | n.a. | W30 |
| T 31 | 7 33 48 | 25♑29'50 | 28♐34 | 11♒14 | 7♑44 | 16♌21 | 11♎ 2 | 19♒ 5 | 12♌50 | 17♎44 | 12♌33 | 16♉11 | 15♉ 7 | 16♓52 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 23s51 | 19s 9 | 0s24 | 25s51 | 1s57 | 20s16 | 0n26 | 18n53 | 3n39 | 2s17 | 1n19 | 18s30 | 2s10 | 17n47 | 0n49 | 5s 7 | 2n 0 | 33n26 | 17n 4 | 17n35 | 17n10 | 10s50 | | | n.a. |
| W 2 | 23 53 | 23 18 | 1 35 | 25 51 | 1 56 | 20 34 | 0 24 | 18 53 | 3 41 | 2 19 | 1 19 | 18 28 | 2 10 | 17 48 | 0 49 | 5 8 | 2 1 | 33 27 | 17 5 | 17 35 | 17 9 | 10 47 | | | n.a. |
| T 3 | 23 54 | 26 9 | 2 41 | 25 49 | 1 54 | 20 51 | 0 21 | 18 54 | 3 43 | 2 22 | 1 19 | 18 26 | 2 9 | 17 48 | 0 49 | 5 8 | 2 1 | 33 28 | 17 5 | 17 34 | 17 8 | 10 44 | | | n.a. |
| F 4 | 23 55 | 27 31 | 3 36 | 25 44 | 1 51 | 21 8 | 0 18 | 18 54 | 3 45 | 2 25 | 1 20 | 18 24 | 2 9 | 17 49 | 0 49 | 5 8 | 2 1 | 33 28 | 17 6 | 17 32 | 17 7 | 10 41 | | | n.a. |
| S 5 | 23 55 | 27 20 | 4 20 | 25 38 | 1 48 | 21 25 | 0 16 | 18 55 | 3 47 | 2 27 | 1 20 | 18 22 | 2 9 | 17 49 | 0 49 | 5 9 | 2 1 | 33 29 | 17 6 | 17 30 | 17 6 | 10 38 | | | n.a. |
| S 6 | 23 55 | 25 45 | 4 50 | 25 29 | 1 44 | 21 40 | 0 13 | 18 56 | 3 50 | 2 30 | 1 20 | 18 20 | 2 9 | 17 50 | 0 49 | 5 9 | 2 1 | 33 30 | 17 7 | 17 28 | 17 5 | 10 35 | | | n.a. |
| M 7 | 23 55 | 22 56 | 5 6 | 25 18 | 1 40 | 21 55 | 0 10 | 18 58 | 3 52 | 2 32 | 1 20 | 18 18 | 2 9 | 17 50 | 0 49 | 5 9 | 2 1 | 33 31 | 17 7 | 17 26 | 17 4 | 10 32 | | | n.a. |
| T 8 | 23 54 | 19 10 | 5 7 | 25 5 | 1 34 | 22 10 | 0 8 | 18 59 | 3 54 | 2 34 | 1 20 | 18 16 | 2 9 | 17 51 | 0 49 | 5 10 | 2 1 | 33 31 | 17 8 | 17 24 | 17 3 | 10 29 | | | n.a. |
| W 9 | 23 53 | 14 41 | 4 55 | 24 49 | 1 29 | 22 24 | 0 5 | 19 1 | 3 56 | 2 37 | 1 20 | 18 14 | 2 9 | 17 51 | 0 49 | 5 10 | 2 1 | 33 32 | 17 8 | 17 22 | 17 3 | 10 26 | | | n.a. |
| T 10 | 23 51 | 9 41 | 4 30 | 24 31 | 1 22 | 22 37 | 0 2 | 19 3 | 3 58 | 2 39 | 1 21 | 18 12 | 2 9 | 17 52 | 0 49 | 5 10 | 2 1 | 33 33 | 17 8 | 17 21 | 17 2 | 10 23 | | | n.a. |
| F 11 | 23 48 | 4 22 | 3 54 | 24 11 | 1 15 | 22 49 | 0s 0 | 19 5 | 4 0 | 2 41 | 1 21 | 18 10 | 2 9 | 17 52 | 0 49 | 5 10 | 2 1 | 33 34 | 17 9 | 17 20 | 17 1 | 10 20 | | | n.a. |
| S 12 | 23 45 | 1n 9 | 3 8 | 23 48 | 1 7 | 23 1 | 0 3 | 19 8 | 4 2 | 2 43 | 1 21 | 18 8 | 2 8 | 17 53 | 0 49 | 5 11 | 2 1 | 33 34 | 17 9 | 17 20 | 17 0 | 10 17 | | | n.a. |
| S 13 | 23 42 | 6 41 | 2 12 | 23 24 | 0 58 | 23 12 | 0 5 | 19 11 | 4 4 | 2 45 | 1 21 | 18 6 | 2 8 | 17 54 | 0 49 | 5 11 | 2 1 | 33 35 | 17 10 | 17 20 | 16 59 | 10 14 | | | n.a. |
| M14 | 23 38 | 12 4 | 1 10 | 22 58 | 0 49 | 23 23 | 0 8 | 19 13 | 4 6 | 2 47 | 1 21 | 18 3 | 2 8 | 17 54 | 0 49 | 5 11 | 2 1 | 33 36 | 17 10 | 17 21 | 16 58 | 10 11 | | | n.a. |
| T 15 | 23 34 | 17 7 | 0 3 | 22 30 | 0 38 | 23 32 | 0 11 | 19 17 | 4 8 | 2 49 | 1 22 | 18 1 | 2 8 | 17 55 | 0 49 | 5 11 | 2 1 | 33 37 | 17 10 | 17 21 | 16 57 | 10 8 | | | n.a. |
| W16 | 23 30 | 21 32 | 1n 5 | 22 0 | 0 27 | 23 42 | 0 13 | 19 20 | 4 9 | 2 51 | 1 22 | 17 59 | 2 8 | 17 55 | 0 49 | 5 12 | 2 1 | 33 37 | 17 11 | 17 21 | 16 56 | 10 5 | | | n.a. |
| T 17 | 23 25 | 25 0 | 2 13 | 21 29 | 0 16 | 23 50 | 0 16 | 19 24 | 4 11 | 2 52 | 1 22 | 17 57 | 2 8 | 17 56 | 0 49 | 5 12 | 2 1 | 33 38 | 17 11 | 17 20 | 16 55 | 10 1 | | | n.a. |
| F 18 | 23 19 | 27 7 | 3 14 | 20 57 | 0 4 | 23 57 | 0 18 | 19 28 | 4 13 | 2 54 | 1 22 | 17 55 | 2 8 | 17 57 | 0 49 | 5 12 | 2 2 | 33 39 | 17 11 | 17 18 | 16 54 | 9 58 | | | n.a. |
| S 19 | 23 13 | 27 34 | 4 6 | 20 24 | 0n 9 | 24 4 | 0 21 | 19 32 | 4 15 | 2 56 | 1 22 | 17 52 | 2 8 | 17 57 | 0 49 | 5 12 | 2 2 | 33 40 | 17 12 | 17 16 | 16 53 | 9 55 | | | n.a. |
| S 20 | 23 7 | 26 10 | 4 43 | 19 51 | 0 23 | 24 10 | 0 23 | 19 36 | 4 17 | 2 57 | 1 22 | 17 50 | 2 8 | 17 58 | 0 49 | 5 12 | 2 2 | 33 40 | 17 12 | 17 14 | 16 52 | 9 52 | | | n.a. |
| M21 | 23 0 | 23 0 | 5 2 | 19 18 | 0 37 | 24 16 | 0 25 | 19 40 | 4 19 | 2 59 | 1 23 | 17 48 | 2 8 | 17 59 | 0 50 | 5 12 | 2 2 | 33 41 | 17 12 | 17 11 | 16 51 | 9 49 | | | n.a. |
| T 22 | 22 53 | 18 21 | 5 1 | 18 44 | 0 51 | 24 21 | 0 28 | 19 45 | 4 20 | 3 0 | 1 23 | 17 46 | 2 8 | 17 59 | 0 50 | 5 12 | 2 2 | 33 42 | 17 13 | 17 8 | 16 50 | 9 46 | | | n.a. |
| W23 | 22 45 | 12 38 | 4 41 | 18 12 | 1 5 | 24 25 | 0 30 | 19 50 | 4 22 | 3 1 | 1 23 | 17 43 | 2 8 | 18 0 | 0 50 | 5 13 | 2 2 | 33 43 | 17 13 | 17 6 | 16 49 | 9 43 | | | n.a. |
| T 24 | 22 37 | 6 17 | 4 3 | 17 40 | 1 20 | 24 28 | 0 33 | 19 55 | 4 24 | 3 3 | 1 23 | 17 41 | 2 7 | 18 1 | 0 50 | 5 13 | 2 2 | 33 43 | 17 13 | 17 5 | 16 48 | 9 40 | | | n.a. |
| F 25 | 22 28 | 0s18 | 3 10 | 17 10 | 1 35 | 24 30 | 0 35 | 20 0 | 4 25 | 3 4 | 1 23 | 17 39 | 2 7 | 18 1 | 0 50 | 5 13 | 2 2 | 33 44 | 17 13 | 17 4 | 16 48 | 9 37 | | | n.a. |
| S 26 | 22 19 | 6 46 | 2 6 | 16 41 | 1 50 | 24 32 | 0 37 | 20 6 | 4 27 | 3 5 | 1 24 | 17 36 | 2 7 | 18 2 | 0 50 | 5 13 | 2 2 | 33 45 | 17 14 | 17 4 | 16 47 | 9 34 | | | n.a. |
| S 27 | 22 10 | 12 48 | 0 56 | 16 15 | 2 5 | 24 33 | 0 39 | 20 11 | 4 28 | 3 6 | 1 24 | 17 34 | 2 7 | 18 3 | 0 50 | 5 13 | 2 2 | 33 45 | 17 14 | 17 4 | 16 46 | 9 31 | | | n.a. |
| M28 | 22 0 | 18 8 | 0s15 | 15 50 | 2 19 | 24 33 | 0 41 | 20 17 | 4 29 | 3 7 | 1 24 | 17 32 | 2 7 | 18 3 | 0 50 | 5 13 | 2 2 | 33 46 | 17 14 | 17 4 | 16 45 | 9 28 | | | n.a. |
| T 29 | 21 50 | 22 29 | 1 25 | 15 29 | 2 33 | 24 33 | 0 44 | 20 23 | 4 31 | 3 8 | 1 24 | 17 29 | 2 7 | 18 4 | 0 50 | 5 13 | 2 2 | 33 47 | 17 14 | 17 4 | 16 44 | 9 25 | | | n.a. |
| W30 | 21 39 | 25 36 | 2 29 | 15 10 | 2 46 | 24 31 | 0 46 | 20 29 | 4 32 | 3 9 | 1 24 | 17 27 | 2 7 | 18 5 | 0 50 | 5 13 | 2 2 | 33 48 | 17 15 | 17 3 | 16 43 | 9 21 | | | n.a. |
| T 31 | 21s28 | 27s19 | 3s24 | 14s54 | 2n58 | 24s29 | 0s48 | 20n35 | 4n33 | 3s 9 | 1n25 | 17s24 | 2s 7 | 18n 6 | 0n50 | 5s13 | 2n 2 | 33n48 | 17n15 | 17n 1 | 16n42 | 9s18 | | | n.a. |

Julian Day Number = 998228.5, Delta T = 12h54m19s
Ecliptic obliquity = 23°55'26, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'18, Lahiri = -31°15'18 Julian Calendar 1 Jan. 1980 BCE == Greg. Calendar 15 Dec. 1981 BCE

The year -1979 astronomical counting style corresponds to year 1980 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## FEBRUARY 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 37 44 | 26♉29'22 | 11♉18 | 11°R20 | 8♉58 | 16°R 4 | 11♎ 4 | 19♒13 | 12°R48 | 17♎44 | 12°R31 | 16°R 2 | 15♉ 4 | 16♓58 | n.a. | F 1 |
| S 2 | 7 41 41 | 27°28'51 | 23°51 | 11♒17 | 10°12 | 15♌47 | 11° 6 | 19°20 | 12♌45 | 17°44 | 12♌30 | 15♉50 | 15° 0 | 17° 5 | n.a. | S 2 |
| S 3 | 7 45 37 | 28°28'19 | 6♒15 | 11° 6 | 11°26 | 15°29 | 11° 8 | 19°27 | 12°43 | 17°44 | 12°28 | 15°37 | 14°57 | 17°12 | n.a. | S 3 |
| M 4 | 7 49 34 | 29°27'44 | 18°28 | 10°48 | 12°40 | 15°10 | 11° 9 | 19°35 | 12°40 | 17°R44 | 12°27 | 15°24 | 14°54 | 17°19 | n.a. | M 4 |
| T 5 | 7 53 30 | 0♒27'07 | 0♓31 | 10°23 | 13°54 | 14°51 | 11°11 | 19°42 | 12°38 | 17°44 | 12°25 | 15°11 | 14°51 | 17°25 | n.a. | T 5 |
| W 6 | 7 57 27 | 1°26'28 | 12°27 | 9°51 | 15° 8 | 14°31 | 11°12 | 19°50 | 12°35 | 17°44 | 12°23 | 15° 0 | 14°48 | 17°32 | n.a. | W 6 |
| T 7 | 8 1 24 | 2°25'46 | 24°18 | 9°13 | 16°22 | 14°11 | 11°13 | 19°57 | 12°33 | 17°44 | 12°22 | 14°52 | 14°45 | 17°39 | n.a. | T 7 |
| F 8 | 8 5 20 | 3°25'02 | 6♈ 7 | 8°31 | 17°36 | 13°50 | 11°14 | 20° 5 | 12°30 | 17°44 | 12°20 | 14°46 | 14°41 | 17°45 | n.a. | F 8 |
| S 9 | 8 9 17 | 4°24'15 | 17°59 | 7°45 | 18°50 | 13°29 | 11°14 | 20°13 | 12°28 | 17°44 | 12°19 | 14°43 | 14°38 | 17°52 | n.a. | S 9 |
| S 10 | 8 13 13 | 5°23'26 | 29°57 | 6°56 | 20° 4 | 13° 8 | 11°15 | 20°20 | 12°25 | 17°44 | 12°17 | 14°42 | 14°35 | 17°59 | n.a. | S 10 |
| M11 | 8 17 10 | 6°22'34 | 12♉ 9 | 6° 5 | 21°18 | 12°46 | 11°15 | 20°28 | 12°23 | 17°43 | 12°15 | 14°42 | 14°32 | 18° 5 | n.a. | M11 |
| T 12 | 8 21 6 | 7°21'40 | 24°38 | 5°13 | 22°32 | 12°24 | 11°R15 | 20°35 | 12°20 | 17°43 | 12°14 | 14°42 | 14°29 | 18°12 | n.a. | T 12 |
| W13 | 8 25 3 | 8°20'43 | 7♊30 | 4°22 | 23°46 | 12° 2 | 11°15 | 20°43 | 12°17 | 17°43 | 12°12 | 14°41 | 14°25 | 18°19 | n.a. | W13 |
| T 14 | 8 28 59 | 9°19'44 | 20°49 | 3°32 | 25° 0 | 11°39 | 11°15 | 20°51 | 12°15 | 17°42 | 12°10 | 14°37 | 14°22 | 18°26 | n.a. | T 14 |
| F 15 | 8 32 56 | 10°18'43 | 4♋36 | 2°44 | 26°14 | 11°17 | 11°14 | 20°58 | 12°12 | 17°42 | 12° 9 | 14°31 | 14°19 | 18°32 | n.a. | F 15 |
| S 16 | 8 36 52 | 11°17'39 | 18°52 | 1°59 | 27°28 | 10°54 | 11°14 | 21° 6 | 12°10 | 17°42 | 12° 7 | 14°22 | 14°16 | 18°39 | n.a. | S 16 |
| S 17 | 8 40 49 | 12°16'33 | 3♌33 | 1°18 | 28°42 | 10°31 | 11°13 | 21°14 | 12° 7 | 17°41 | 12° 5 | 14°11 | 14°13 | 18°46 | n.a. | S 17 |
| M18 | 8 44 46 | 13°15'24 | 18°31 | 0°41 | 29°56 | 10° 8 | 11°12 | 21°22 | 12° 5 | 17°41 | 12° 4 | 14° 0 | 14°10 | 18°52 | n.a. | M18 |
| T 19 | 8 48 42 | 14°14'14 | 3♍36 | 0° 9 | 1♒10 | 9°45 | 11°11 | 21°29 | 12° 2 | 17°40 | 12° 2 | 13°49 | 14° 6 | 18°59 | n.a. | T 19 |
| W20 | 8 52 39 | 15°13'01 | 18°39 | 29♉41 | 2°24 | 9°22 | 11° 9 | 21°37 | 11°59 | 17°40 | 12° 0 | 13°40 | 14° 3 | 19° 6 | n.a. | W20 |
| T 21 | 8 56 35 | 16°11'46 | 3♎31 | 29°20 | 3°38 | 9° 0 | 11° 8 | 21°45 | 11°57 | 17°39 | 11°59 | 13°33 | 14° 0 | 19°12 | n.a. | T 21 |
| F 22 | 9 0 32 | 17°10'29 | 18° 4 | 29° 3 | 4°52 | 8°37 | 11° 6 | 21°53 | 11°54 | 17°39 | 11°57 | 13°29 | 13°57 | 19°19 | n.a. | F 22 |
| S 23 | 9 4 28 | 18° 9'11 | 2♏16 | 28°52 | 6° 6 | 8°15 | 11° 4 | 22° 0 | 11°52 | 17°38 | 11°55 | 13°28 | 13°54 | 19°26 | n.a. | S 23 |
| S 24 | 9 8 25 | 19° 7'51 | 16° 6 | 28°47 | 7°19 | 7°53 | 11° 2 | 22° 8 | 11°49 | 17°38 | 11°54 | 13°28 | 13°51 | 19°33 | n.a. | S 24 |
| M25 | 9 12 21 | 20° 6'28 | 29°34 | 28°D47 | 8°33 | 7°31 | 11° 0 | 22°16 | 11°46 | 17°37 | 11°52 | 13°27 | 13°47 | 19°39 | n.a. | M25 |
| T 26 | 9 16 18 | 21° 5'05 | 12♐43 | 28°52 | 9°47 | 7° 9 | 10°57 | 22°24 | 11°44 | 17°36 | 11°51 | 13°26 | 13°44 | 19°46 | n.a. | T 26 |
| W27 | 9 20 14 | 22° 3'39 | 25°35 | 29° 2 | 11° 1 | 6°48 | 10°54 | 22°31 | 11°41 | 17°36 | 11°49 | 13°22 | 13°41 | 19°53 | n.a. | W27 |
| T 28 | 9 24 11 | 23♒ 2'11 | 8♑14 | 29♑17 | 12♒15 | 6♌27 | 10♎52 | 22♒39 | 11♌39 | 17♎35 | 11♌47 | 13♉16 | 13♉38 | 19♓59 | n.a. | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 21s17 | 27s33 | 4s 8 | 14s41 | 3n10 | 24s26 | 0s50 | 20n41 | 4n34 | 3s10 | 1n25 | 17s22 | 2s 7 | 18n 6 | 0n50 | 5s13 | 2n 2 | 33n49 | 17n15 | 16n58 | 16n41 | 9s15 | | n.a. |
| S 2 | 21 5 | 26 21 | 4 39 | 14 32 | 3 20 | 24 23 | 0 52 | 20 48 | 4 35 | 3 11 | 1 25 | 17 20 | 2 7 | 18 7 | 0 50 | 5 13 | 2 2 | 33 50 | 17 15 | 16 55 | 16 40 | 9 12 | | n.a. |
| S 3 | 20 53 | 23 52 | 4 57 | 14 26 | 3 29 | 24 19 | 0 54 | 20 54 | 4 36 | 3 11 | 1 25 | 17 17 | 2 7 | 18 8 | 0 50 | 5 13 | 2 3 | 33 50 | 17 16 | 16 51 | 16 39 | 9 9 | | n.a. |
| M 4 | 20 41 | 20 20 | 5 0 | 14 24 | 3 37 | 24 14 | 0 56 | 21 0 | 4 37 | 3 12 | 1 25 | 17 15 | 2 7 | 18 8 | 0 50 | 5 13 | 2 3 | 33 51 | 17 16 | 16 47 | 16 38 | 9 6 | | n.a. |
| T 5 | 20 28 | 16 1 | 4 50 | 14 25 | 3 43 | 24 8 | 0 57 | 21 7 | 4 37 | 3 12 | 1 26 | 17 12 | 2 7 | 18 9 | 0 50 | 5 13 | 2 3 | 33 52 | 17 16 | 16 43 | 16 37 | 9 3 | | n.a. |
| W 6 | 20 14 | 11 7 | 4 27 | 14 29 | 3 48 | 24 1 | 0 59 | 21 14 | 4 38 | 3 12 | 1 26 | 17 10 | 2 7 | 18 10 | 0 50 | 5 13 | 2 3 | 33 52 | 17 16 | 16 40 | 16 36 | 9 0 | | n.a. |
| T 7 | 20 1 | 5 52 | 3 53 | 14 36 | 3 51 | 23 54 | 1 1 | 21 20 | 4 39 | 3 13 | 1 26 | 17 7 | 2 7 | 18 11 | 0 50 | 5 13 | 2 3 | 33 53 | 17 16 | 16 37 | 16 35 | 8 57 | | n.a. |
| F 8 | 19 47 | 0 24 | 3 9 | 14 46 | 3 52 | 23 46 | 1 3 | 21 27 | 4 39 | 3 13 | 1 26 | 17 5 | 2 7 | 18 11 | 0 50 | 5 12 | 2 3 | 33 54 | 17 16 | 16 36 | 16 34 | 8 53 | | n.a. |
| S 9 | 19 33 | 5n 6 | 2 16 | 14 59 | 3 51 | 23 38 | 1 4 | 21 33 | 4 39 | 3 13 | 1 26 | 17 2 | 2 7 | 18 12 | 0 50 | 5 12 | 2 3 | 33 54 | 17 16 | 16 35 | 16 33 | 8 50 | | n.a. |
| S 10 | 19 18 | 10 29 | 1 17 | 15 14 | 3 48 | 23 28 | 1 6 | 21 40 | 4 39 | 3 13 | 1 27 | 17 0 | 2 7 | 18 13 | 0 50 | 5 12 | 2 3 | 33 55 | 17 17 | 16 35 | 16 32 | 8 47 | | n.a. |
| M11 | 19 3 | 15 34 | 0 14 | 15 31 | 3 44 | 23 18 | 1 7 | 21 46 | 4 40 | 3 13 | 1 27 | 16 57 | 2 7 | 18 14 | 0 50 | 5 12 | 2 3 | 33 55 | 17 17 | 16 35 | 16 31 | 8 44 | | n.a. |
| T 12 | 18 48 | 20 9 | 0n52 | 15 50 | 3 37 | 23 7 | 1 9 | 21 53 | 4 39 | 3 13 | 1 27 | 16 55 | 2 7 | 18 14 | 0 50 | 5 12 | 2 3 | 33 56 | 17 17 | 16 34 | 16 30 | 8 41 | | n.a. |
| W13 | 18 33 | 23 56 | 1 57 | 16 10 | 3 29 | 22 56 | 1 10 | 21 59 | 4 39 | 3 12 | 1 27 | 16 52 | 2 7 | 18 15 | 0 50 | 5 12 | 2 3 | 33 57 | 17 17 | 16 34 | 16 29 | 8 38 | | n.a. |
| T 14 | 18 17 | 26 34 | 2 58 | 16 31 | 3 20 | 22 44 | 1 11 | 22 6 | 4 39 | 3 12 | 1 27 | 16 50 | 2 7 | 18 16 | 0 50 | 5 12 | 2 3 | 33 57 | 17 17 | 16 33 | 16 28 | 8 35 | | n.a. |
| F 15 | 18 1 | 27 41 | 3 51 | 16 53 | 3 9 | 22 31 | 1 13 | 22 12 | 4 39 | 3 12 | 1 27 | 16 47 | 2 7 | 18 17 | 0 50 | 5 11 | 2 3 | 33 58 | 17 17 | 16 31 | 16 28 | 8 31 | | n.a. |
| S 16 | 17 44 | 27 2 | 4 31 | 17 15 | 2 57 | 22 18 | 1 14 | 22 18 | 4 38 | 3 11 | 1 28 | 16 45 | 2 7 | 18 17 | 0 50 | 5 11 | 2 3 | 33 58 | 17 17 | 16 28 | 16 27 | 8 28 | | n.a. |
| S 17 | 17 28 | 24 31 | 4 55 | 17 36 | 2 44 | 22 4 | 1 15 | 22 24 | 4 38 | 3 11 | 1 28 | 16 42 | 2 7 | 18 18 | 0 50 | 5 11 | 2 3 | 33 59 | 17 17 | 16 25 | 16 26 | 8 25 | | n.a. |
| M18 | 17 11 | 20 19 | 4 59 | 17 58 | 2 31 | 21 49 | 1 16 | 22 30 | 4 37 | 3 10 | 1 28 | 16 40 | 2 7 | 18 19 | 0 50 | 5 11 | 2 3 | 34 0 | 17 17 | 16 22 | 16 25 | 8 22 | | n.a. |
| T 19 | 16 53 | 14 46 | 4 43 | 18 19 | 2 16 | 21 34 | 1 17 | 22 35 | 4 36 | 3 10 | 1 28 | 16 37 | 2 7 | 18 20 | 0 50 | 5 10 | 2 4 | 34 0 | 17 17 | 16 18 | 16 24 | 8 19 | | n.a. |
| W20 | 16 36 | 8 20 | 4 7 | 18 39 | 2 2 | 21 18 | 1 18 | 22 41 | 4 35 | 3 9 | 1 28 | 16 35 | 2 7 | 18 20 | 0 50 | 5 10 | 2 4 | 34 1 | 17 17 | 16 15 | 16 23 | 8 16 | | n.a. |
| T 21 | 16 18 | 1 32 | 3 14 | 18 58 | 1 47 | 21 1 | 1 19 | 22 46 | 4 34 | 3 8 | 1 29 | 16 32 | 2 7 | 18 21 | 0 50 | 5 10 | 2 4 | 34 1 | 17 17 | 16 13 | 16 22 | 8 13 | | n.a. |
| F 22 | 16 0 | 5s14 | 2 10 | 19 16 | 1 32 | 20 44 | 1 20 | 22 51 | 4 33 | 3 7 | 1 29 | 16 30 | 2 7 | 18 22 | 0 50 | 5 10 | 2 4 | 34 2 | 17 17 | 16 12 | 16 21 | 8 9 | | n.a. |
| S 23 | 15 42 | 11 35 | 0 59 | 19 33 | 1 16 | 20 26 | 1 21 | 22 56 | 4 31 | 3 6 | 1 29 | 16 27 | 2 7 | 18 23 | 0 50 | 5 9 | 2 4 | 34 2 | 17 17 | 16 12 | 16 20 | 8 6 | | n.a. |
| S 24 | 15 23 | 17 13 | 0s14 | 19 49 | 1 1 | 20 8 | 1 22 | 23 0 | 4 30 | 3 5 | 1 29 | 16 24 | 2 7 | 18 23 | 0 50 | 5 9 | 2 4 | 34 3 | 17 17 | 16 12 | 16 19 | 8 3 | | n.a. |
| M25 | 15 4 | 21 50 | 1 24 | 20 4 | 0 47 | 19 49 | 1 22 | 23 5 | 4 29 | 3 4 | 1 29 | 16 22 | 2 7 | 18 24 | 0 50 | 5 9 | 2 4 | 34 3 | 17 17 | 16 12 | 16 18 | 8 0 | | n.a. |
| T 26 | 14 45 | 25 13 | 2 28 | 20 17 | 0 32 | 19 29 | 1 23 | 23 9 | 4 27 | 3 3 | 1 29 | 16 19 | 2 7 | 18 25 | 0 50 | 5 9 | 2 4 | 34 4 | 17 17 | 16 11 | 16 17 | 7 57 | | n.a. |
| W27 | 14 26 | 27 14 | 3 23 | 20 28 | 0 18 | 19 9 | 1 23 | 23 13 | 4 25 | 3 2 | 1 29 | 16 17 | 2 7 | 18 26 | 0 50 | 5 8 | 2 4 | 34 4 | 17 17 | 16 10 | 16 16 | 7 54 | | n.a. |
| T 28 | 14s 7 | 27s46 | 4s 7 | 20s39 | 0n 4 | 18s49 | 1s24 | 23n17 | 4n23 | 3s 1 | 1n30 | 16s14 | 2s 7 | 18n26 | 0n50 | 5s 8 | 2n 4 | 34n 4 | 17n17 | 16n 8 | 16n15 | 7s50 | | n.a. |

Julian Day Number = 998259.5, Delta T = 12h54m17s
Ecliptic obliquity = 23°55'26, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'14, Lahiri = -31°15'14 Julian Calendar 1 Feb. 1980 BCE == Greg. Calendar 15 Jan. 1980 BCE


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## MARCH 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 28 8 | 24♒ 0'42 | 20♉42 | 29♉37 | 13♒29 | 6°R 7 | 10°R49 | 22♒47 | 11°R36 | 17°R34 | 11°R46 | 13°R 7 | 13♉35 | 20♓ 6 | n.a. | F 1 |
| S 2 | 9 32 4 | 24°59'10 | 3♒ 0 | 0♒ 2 | 14°43 | 5♌47 | 10♎45 | 22°55 | 11♌34 | 17♎33 | 11♌44 | 12♉55 | 13°31 | 20°13 | n.a. | S 2 |
| S 3 | 9 36 1 | 25°57'37 | 15°10 | 0°31 | 15°57 | 5°27 | 10°42 | 23° 3 | 11°31 | 17°32 | 11°42 | 12°42 | 13°28 | 20°19 | n.a. | S 3 |
| M 4 | 9 39 57 | 26°56'02 | 27°13 | 1° 4 | 17°11 | 5° 8 | 10°38 | 23°10 | 11°29 | 17°32 | 11°41 | 12°28 | 13°25 | 20°26 | n.a. | M 4 |
| T 5 | 9 43 54 | 27°54'24 | 9♓10 | 1°41 | 18°24 | 4°50 | 10°35 | 23°18 | 11°26 | 17°31 | 11°39 | 12°15 | 13°22 | 20°33 | n.a. | T 5 |
| W 6 | 9 47 50 | 28°52'45 | 21° 2 | 2°22 | 19°38 | 4°32 | 10°31 | 23°26 | 11°24 | 17°30 | 11°38 | 12° 4 | 13°19 | 20°40 | n.a. | W 6 |
| T 7 | 9 51 47 | 29°51'03 | 2♈51 | 3° 7 | 20°52 | 4°15 | 10°27 | 23°34 | 11°22 | 17°29 | 11°36 | 11°55 | 13°16 | 20°46 | n.a. | T 7 |
| F 8 | 9 55 43 | 0♓49'19 | 14°40 | 3°55 | 22° 6 | 3°59 | 10°23 | 23°41 | 11°19 | 17°28 | 11°35 | 11°50 | 13°12 | 20°53 | n.a. | F 8 |
| S 9 | 9 59 40 | 1°47'33 | 26°31 | 4°47 | 23°20 | 3°43 | 10°18 | 23°49 | 11°17 | 17°27 | 11°33 | 11°46 | 13° 9 | 21° 0 | n.a. | S 9 |
| S 10 | 10 3 36 | 2°45'45 | 8♉30 | 5°41 | 24°34 | 3°28 | 10°14 | 23°57 | 11°14 | 17°26 | 11°32 | 11°D45 | 13° 6 | 21° 6 | n.a. | S 10 |
| M11 | 10 7 33 | 3°43'55 | 20°40 | 6°39 | 25°47 | 3°14 | 10° 9 | 24° 4 | 11°12 | 17°25 | 11°30 | 11°45 | 13° 3 | 21°13 | n.a. | M11 |
| T 12 | 10 11 30 | 4°42'03 | 3♊ 7 | 7°40 | 27° 1 | 3° 0 | 10° 4 | 24°12 | 11°10 | 17°24 | 11°28 | 11°R46 | 13° 0 | 21°20 | n.a. | T 12 |
| W13 | 10 15 26 | 5°40'08 | 15°55 | 8°43 | 28°15 | 2°48 | 9°59 | 24°20 | 11° 7 | 17°23 | 11°27 | 11°45 | 12°57 | 21°26 | n.a. | W13 |
| T 14 | 10 19 23 | 6°38'12 | 29° 9 | 9°49 | 29°29 | 2°36 | 9°54 | 24°28 | 11° 5 | 17°22 | 11°26 | 11°43 | 12°53 | 21°33 | n.a. | T 14 |
| F 15 | 10 23 19 | 7°36'13 | 12♋52 | 10°58 | 0♓43 | 2°24 | 9°49 | 24°35 | 11° 3 | 17°21 | 11°24 | 11°39 | 12°50 | 21°40 | n.a. | F 15 |
| S 16 | 10 27 16 | 8°34'13 | 27° 6 | 12° 9 | 1°56 | 2°14 | 9°43 | 24°43 | 11° 1 | 17°19 | 11°23 | 11°32 | 12°47 | 21°46 | n.a. | S 16 |
| S 17 | 10 31 12 | 9°32'10 | 11♌46 | 13°23 | 3°10 | 2° 4 | 9°38 | 24°50 | 10°59 | 17°18 | 11°21 | 11°24 | 12°44 | 21°53 | n.a. | S 17 |
| M18 | 10 35 9 | 10°30'05 | 26°48 | 14°39 | 4°24 | 1°55 | 9°32 | 24°58 | 10°56 | 17°17 | 11°20 | 11°15 | 12°41 | 22° 0 | n.a. | M18 |
| T 19 | 10 39 5 | 11°27'59 | 12♍ 3 | 15°57 | 5°38 | 1°47 | 9°26 | 25° 6 | 10°54 | 17°16 | 11°18 | 11° 6 | 12°37 | 22° 7 | n.a. | T 19 |
| W20 | 10 43 2 | 12°25'50 | 27°20 | 17°18 | 6°51 | 1°40 | 9°20 | 25°13 | 10°52 | 17°15 | 11°17 | 10°59 | 12°34 | 22°13 | n.a. | W20 |
| T 21 | 10 46 58 | 13°23'40 | 12♎27 | 18°41 | 8° 5 | 1°34 | 9°14 | 25°21 | 10°50 | 17°13 | 11°16 | 10°54 | 12°31 | 22°20 | n.a. | T 21 |
| F 22 | 10 50 55 | 14°21'29 | 27°17 | 20° 6 | 9°19 | 1°28 | 9° 8 | 25°28 | 10°48 | 17°12 | 11°14 | 10°51 | 12°28 | 22°27 | n.a. | F 22 |
| S 23 | 10 54 52 | 15°19'16 | 11♏43 | 21°33 | 10°33 | 1°23 | 9° 2 | 25°36 | 10°46 | 17°11 | 11°13 | 10°D50 | 12°25 | 22°33 | n.a. | S 23 |
| S 24 | 10 58 48 | 16°17'01 | 25°43 | 23° 2 | 11°46 | 1°19 | 8°55 | 25°43 | 10°44 | 17° 9 | 11°12 | 10°51 | 12°22 | 22°40 | n.a. | S 24 |
| M25 | 11 2 45 | 17°14'46 | 9♐17 | 24°34 | 13° 0 | 1°16 | 8°49 | 25°51 | 10°42 | 17° 8 | 11°11 | 10°52 | 12°18 | 22°47 | n.a. | M25 |
| T 26 | 11 6 41 | 18°12'29 | 22°27 | 26° 7 | 14°14 | 1°13 | 8°42 | 25°58 | 10°40 | 17° 7 | 11° 9 | 10°R52 | 12°15 | 22°53 | n.a. | T 26 |
| W27 | 11 10 38 | 19°10'11 | 5♑17 | 27°43 | 15°27 | 1°12 | 8°35 | 26° 5 | 10°39 | 17° 5 | 11° 8 | 10°50 | 12°12 | 23° 0 | n.a. | W27 |
| T 28 | 11 14 34 | 20° 7'52 | 17°49 | 29°20 | 16°41 | 1°11 | 8°29 | 26°13 | 10°37 | 17° 4 | 11° 7 | 10°47 | 12° 9 | 23° 7 | n.a. | T 28 |
| F 29 | 11 18 31 | 21° 5'31 | 0♒ 8 | 1♓ 0 | 17°55 | 1°D11 | 8°22 | 26°20 | 10°35 | 17° 3 | 11° 6 | 10°41 | 12° 6 | 23°13 | n.a. | F 29 |
| S 30 | 11 22 27 | 22° 3'09 | 12°16 | 2°41 | 19° 9 | 1°11 | 8°15 | 26°27 | 10°33 | 17° 1 | 11° 4 | 10°34 | 12° 2 | 23°20 | n.a. | S 30 |
| S 31 | 11 26 24 | 23♓ 0'46 | 24♒16 | 4♓25 | 20♓22 | 1♌13 | 8♎ 8 | 26♒35 | 10♌32 | 17♎ 0 | 11♌ 3 | 10♉26 | 11♉59 | 23♓27 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 13s47 | 26s52 | 4s38 | 20s47 | 0s 9 | 18s27 | 1s24 | 23n20 | 4n21 | 2s59 | 1n30 | 16s12 | 2s 7 | 18n27 | 0n50 | 5s 8 | 2n 4 | 34n 5 | 17n17 | 16n 5 | 16n14 | 7s47 | | n.a. |
| S 2 | 13 27 | 24 40 | 4 56 | 20 54 | 0 22 | 18 6 | 1 25 | 23 23 | 4 19 | 2 58 | 1 30 | 16 9 | 2 7 | 18 28 | 0 50 | 5 7 | 2 4 | 34 5 | 17 17 | 16 2 | 16 13 | 7 44 | | n.a. |
| S 3 | 13 7 | 21 22 | 5 0 | 21 0 | 0 34 | 17 44 | 1 25 | 23 26 | 4 17 | 2 56 | 1 30 | 16 6 | 2 7 | 18 28 | 0 50 | 5 7 | 2 4 | 34 6 | 17 17 | 15 58 | 16 12 | 7 41 | | n.a. |
| M 4 | 12 47 | 17 13 | 4 51 | 21 4 | 0 46 | 17 21 | 1 25 | 23 29 | 4 15 | 2 55 | 1 30 | 16 4 | 2 7 | 18 29 | 0 50 | 5 6 | 2 4 | 34 6 | 17 17 | 15 53 | 16 11 | 7 38 | | n.a. |
| T 5 | 12 27 | 12 25 | 4 28 | 21 6 | 0 57 | 16 58 | 1 26 | 23 32 | 4 13 | 2 53 | 1 30 | 16 1 | 2 7 | 18 30 | 0 50 | 5 6 | 2 4 | 34 7 | 17 16 | 15 49 | 16 10 | 7 35 | | n.a. |
| W 6 | 12 6 | 7 12 | 3 55 | 21 7 | 1 7 | 16 35 | 1 26 | 23 34 | 4 11 | 2 52 | 1 30 | 15 59 | 2 7 | 18 30 | 0 50 | 5 6 | 2 4 | 34 7 | 17 16 | 15 46 | 16 9 | 7 31 | | n.a. |
| T 7 | 11 45 | 1 45 | 3 11 | 21 6 | 1 17 | 16 11 | 1 26 | 23 36 | 4 8 | 2 50 | 1 31 | 15 56 | 2 7 | 18 31 | 0 50 | 5 5 | 2 4 | 34 7 | 17 16 | 15 43 | 16 8 | 7 28 | | n.a. |
| F 8 | 11 24 | 3n46 | 2 19 | 21 4 | 1 26 | 15 46 | 1 26 | 23 37 | 4 6 | 2 48 | 1 31 | 15 53 | 2 7 | 18 32 | 0 50 | 5 5 | 2 4 | 34 8 | 17 16 | 15 41 | 16 7 | 7 25 | | n.a. |
| S 9 | 11 3 | 9 11 | 1 20 | 21 0 | 1 35 | 15 22 | 1 26 | 23 39 | 4 3 | 2 46 | 1 31 | 15 51 | 2 7 | 18 32 | 0 50 | 5 4 | 2 5 | 34 8 | 17 16 | 15 40 | 16 6 | 7 22 | | n.a. |
| S 10 | 10 42 | 14 21 | 0 17 | 20 54 | 1 43 | 14 56 | 1 25 | 23 40 | 4 1 | 2 44 | 1 31 | 15 48 | 2 7 | 18 33 | 0 50 | 5 4 | 2 5 | 34 8 | 17 16 | 15 40 | 16 5 | 7 19 | | n.a. |
| M11 | 10 20 | 19 2 | 0n47 | 20 46 | 1 51 | 14 31 | 1 25 | 23 41 | 3 58 | 2 42 | 1 31 | 15 46 | 2 7 | 18 34 | 0 50 | 5 3 | 2 5 | 34 9 | 17 16 | 15 40 | 16 4 | 7 15 | | n.a. |
| T 12 | 9 59 | 23 1 | 1 51 | 20 37 | 1 58 | 14 5 | 1 25 | 23 42 | 3 55 | 2 40 | 1 31 | 15 43 | 2 8 | 18 34 | 0 50 | 5 3 | 2 5 | 34 9 | 17 15 | 15 40 | 16 3 | 7 12 | | n.a. |
| W13 | 9 37 | 26 0 | 2 51 | 20 26 | 2 4 | 13 38 | 1 25 | 23 42 | 3 53 | 2 38 | 1 31 | 15 41 | 2 8 | 18 35 | 0 50 | 5 3 | 2 5 | 34 9 | 17 15 | 15 40 | 16 2 | 7 9 | | n.a. |
| T 14 | 9 15 | 27 40 | 3 45 | 20 14 | 2 10 | 13 12 | 1 24 | 23 42 | 3 50 | 2 36 | 1 31 | 15 38 | 2 8 | 18 36 | 0 50 | 5 2 | 2 5 | 34 9 | 17 15 | 15 39 | 16 1 | 7 6 | | n.a. |
| F 15 | 8 53 | 27 43 | 4 27 | 19 59 | 2 15 | 12 45 | 1 24 | 23 42 | 3 47 | 2 34 | 1 32 | 15 36 | 2 8 | 18 36 | 0 50 | 5 2 | 2 5 | 34 10 | 17 15 | 15 38 | 16 0 | 7 3 | | n.a. |
| S 16 | 8 31 | 25 58 | 4 54 | 19 43 | 2 19 | 12 17 | 1 23 | 23 42 | 3 44 | 2 32 | 1 32 | 15 33 | 2 8 | 18 37 | 0 50 | 5 1 | 2 5 | 34 10 | 17 15 | 15 36 | 15 59 | 6 59 | | n.a. |
| S 17 | 8 9 | 22 27 | 5 4 | 19 25 | 2 23 | 11 50 | 1 23 | 23 41 | 3 42 | 2 29 | 1 32 | 15 30 | 2 8 | 18 37 | 0 50 | 5 1 | 2 5 | 34 10 | 17 14 | 15 33 | 15 58 | 6 56 | | n.a. |
| M18 | 7 47 | 17 24 | 4 53 | 19 6 | 2 27 | 11 22 | 1 22 | 23 41 | 3 39 | 2 27 | 1 32 | 15 28 | 2 8 | 18 38 | 0 50 | 5 0 | 2 5 | 34 10 | 17 14 | 15 30 | 15 57 | 6 53 | | n.a. |
| T 19 | 7 24 | 11 11 | 4 21 | 18 45 | 2 29 | 10 53 | 1 21 | 23 40 | 3 36 | 2 25 | 1 32 | 15 25 | 2 8 | 18 39 | 0 50 | 5 0 | 2 5 | 34 11 | 17 14 | 15 28 | 15 56 | 6 50 | | n.a. |
| W20 | 7 2 | 4 18 | 3 31 | 18 22 | 2 31 | 10 25 | 1 21 | 23 39 | 3 33 | 2 22 | 1 32 | 15 23 | 2 8 | 18 39 | 0 50 | 4 59 | 2 5 | 34 11 | 17 14 | 15 25 | 15 55 | 6 47 | | n.a. |
| T 21 | 6 39 | 2s47 | 2 26 | 17 57 | 2 33 | 9 56 | 1 20 | 23 37 | 3 30 | 2 20 | 1 32 | 15 20 | 2 8 | 18 40 | 0 50 | 4 59 | 2 5 | 34 11 | 17 13 | 15 24 | 15 54 | 6 43 | | n.a. |
| F 22 | 6 17 | 9 36 | 1 12 | 17 30 | 2 34 | 9 27 | 1 19 | 23 36 | 3 27 | 2 17 | 1 32 | 15 18 | 2 8 | 18 40 | 0 50 | 4 58 | 2 5 | 34 11 | 17 13 | 15 23 | 15 53 | 6 40 | | n.a. |
| S 23 | 5 54 | 15 44 | 0s 5 | 17 2 | 2 34 | 8 58 | 1 18 | 23 34 | 3 24 | 2 15 | 1 32 | 15 15 | 2 9 | 18 41 | 0 50 | 4 58 | 2 5 | 34 11 | 17 13 | 15 23 | 15 52 | 6 37 | | n.a. |
| S 24 | 5 31 | 20 51 | 1 19 | 16 32 | 2 34 | 8 28 | 1 17 | 23 32 | 3 21 | 2 12 | 1 32 | 15 13 | 2 9 | 18 41 | 0 50 | 4 57 | 2 5 | 34 11 | 17 13 | 15 23 | 15 51 | 6 34 | | n.a. |
| M25 | 5 8 | 24 42 | 2 27 | 16 0 | 2 33 | 7 59 | 1 16 | 23 30 | 3 18 | 2 9 | 1 32 | 15 10 | 2 9 | 18 42 | 0 49 | 4 56 | 2 5 | 34 11 | 17 12 | 15 23 | 15 50 | 6 30 | | n.a. |
| T 26 | 4 45 | 27 6 | 3 24 | 15 26 | 2 32 | 7 29 | 1 15 | 23 28 | 3 15 | 2 7 | 1 32 | 15 8 | 2 9 | 18 42 | 0 49 | 4 56 | 2 5 | 34 11 | 17 12 | 15 23 | 15 49 | 6 27 | | n.a. |
| W27 | 4 22 | 27 59 | 4 10 | 14 51 | 2 30 | 6 58 | 1 14 | 23 25 | 3 12 | 2 4 | 1 32 | 15 5 | 2 9 | 18 43 | 0 49 | 4 55 | 2 5 | 34 12 | 17 12 | 15 23 | 15 48 | 6 24 | | n.a. |
| T 28 | 3 59 | 27 23 | 4 43 | 14 13 | 2 27 | 6 28 | 1 13 | 23 22 | 3 9 | 2 1 | 1 32 | 15 3 | 2 9 | 18 43 | 0 49 | 4 55 | 2 5 | 34 12 | 17 11 | 15 22 | 15 47 | 6 21 | | n.a. |
| F 29 | 3 36 | 25 26 | 5 2 | 13 34 | 2 24 | 5 58 | 1 11 | 23 19 | 3 6 | 1 58 | 1 32 | 15 1 | 2 9 | 18 44 | 0 49 | 4 54 | 2 5 | 34 12 | 17 11 | 15 20 | 15 46 | 6 17 | | n.a. |
| S 30 | 3 13 | 22 21 | 5 7 | 12 54 | 2 20 | 5 27 | 1 10 | 23 16 | 3 3 | 1 56 | 1 32 | 14 58 | 2 9 | 18 44 | 0 49 | 4 54 | 2 5 | 34 12 | 17 11 | 15 18 | 15 45 | 6 14 | | n.a. |
| S 31 | 2s50 | 18s22 | 4s58 | 12s11 | 2s16 | 4s56 | 1s 9 | 23n13 | 3n 0 | 1s53 | 1n32 | 14s56 | 2s 9 | 18n45 | 0n49 | 4s53 | 2n 5 | 34n12 | 17n10 | 15n15 | 15n44 | 6s11 | | n.a. |

Julian Day Number = 998287.5, Delta T = 12h54m15s
Ecliptic obliquity = 23°55'26, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'10, Lahiri = -31°15'10 Julian Calendar 1 March 1980 BCE == Greg. Calendar 12 Feb. 1980 BCE

The year -1979 astronomical counting style corresponds to year 1980 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## APRIL 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 30 21 | 23♓58'21 | 6♓11 | 6♓11 | 21♓36 | 1♌15 | 8°R 1 | 26♒42 | 10°R30 | 16°R58 | 11°R 2 | 10°R17 | 11♉56 | 23♓34 | n.a. | M 1 |
| T 2 | 11 34 17 | 24°55'55 | 18° 3 | 7°58 | 22°50 | 1°18 | 7♎53 | 26°49 | 10♌28 | 16♎57 | 11♌ 1 | 10♉ 8 | 11°53 | 23°40 | n.a. | T 2 |
| W 3 | 11 38 14 | 25°53'28 | 29°52 | 9°48 | 24° 3 | 1°22 | 7°46 | 26°56 | 10°27 | 16°55 | 11° 0 | 10° 1 | 11°50 | 23°47 | n.a. | W 3 |
| T 4 | 11 42 10 | 26°50'59 | 11♈42 | 11°40 | 25°17 | 1°26 | 7°39 | 27° 4 | 10°25 | 16°54 | 10°59 | 9°56 | 11°47 | 23°54 | n.a. | T 4 |
| F 5 | 11 46 7 | 27°48'29 | 23°34 | 13°34 | 26°31 | 1°32 | 7°31 | 27°11 | 10°24 | 16°52 | 10°58 | 9°52 | 11°43 | 24° 0 | n.a. | F 5 |
| S 6 | 11 50 3 | 28°45'57 | 5♉30 | 15°30 | 27°45 | 1°37 | 7°24 | 27°18 | 10°22 | 16°51 | 10°57 | 9°D51 | 11°40 | 24° 7 | n.a. | S 6 |
| S 7 | 11 54 0 | 29°43'24 | 17°33 | 17°27 | 28°58 | 1°44 | 7°16 | 27°25 | 10°21 | 16°49 | 10°56 | 9°51 | 11°37 | 24°14 | n.a. | S 7 |
| M 8 | 11 57 56 | 0♈40'50 | 29°48 | 19°27 | 0♈12 | 1°51 | 7° 9 | 27°32 | 10°19 | 16°48 | 10°55 | 9°52 | 11°34 | 24°20 | n.a. | M 8 |
| T 9 | 12 1 53 | 1°38'14 | 12♊17 | 21°28 | 1°26 | 1°59 | 7° 1 | 27°39 | 10°18 | 16°46 | 10°54 | 9°54 | 11°31 | 24°27 | n.a. | T 9 |
| W10 | 12 5 50 | 2°35'37 | 25° 5 | 23°31 | 2°39 | 2° 8 | 6°54 | 27°45 | 10°17 | 16°45 | 10°53 | 9°55 | 11°28 | 24°34 | n.a. | W10 |
| T 11 | 12 9 46 | 3°32'59 | 8♋16 | 25°36 | 3°53 | 2°18 | 6°46 | 27°52 | 10°16 | 16°43 | 10°53 | 9°R55 | 11°24 | 24°40 | n.a. | T 11 |
| F 12 | 12 13 43 | 4°30'19 | 21°53 | 27°43 | 5° 7 | 2°28 | 6°39 | 27°59 | 10°14 | 16°42 | 10°52 | 9°54 | 11°21 | 24°47 | n.a. | F 12 |
| S 13 | 12 17 39 | 5°27'38 | 5♌57 | 29°50 | 6°20 | 2°38 | 6°31 | 28° 6 | 10°13 | 16°40 | 10°51 | 9°51 | 11°18 | 24°54 | n.a. | S 13 |
| S 14 | 12 21 36 | 6°24'55 | 20°26 | 1♍59 | 7°34 | 2°50 | 6°23 | 28°13 | 10°12 | 16°39 | 10°50 | 9°47 | 11°15 | 25° 1 | n.a. | S 14 |
| M15 | 12 25 32 | 7°22'11 | 5♍19 | 4° 9 | 8°48 | 3° 1 | 6°16 | 28°19 | 10°11 | 16°37 | 10°49 | 9°43 | 11°12 | 25° 7 | n.a. | M15 |
| T 16 | 12 29 29 | 8°19'26 | 20°26 | 6°20 | 10° 1 | 3°14 | 6° 8 | 28°26 | 10°10 | 16°35 | 10°49 | 9°38 | 11° 8 | 25°14 | n.a. | T 16 |
| W17 | 12 33 25 | 9°16'40 | 5♎39 | 8°31 | 11°15 | 3°27 | 6° 0 | 28°32 | 10° 9 | 16°34 | 10°48 | 9°35 | 11° 5 | 25°21 | n.a. | W17 |
| T 18 | 12 37 22 | 10°13'53 | 20°49 | 10°43 | 12°28 | 3°41 | 5°53 | 28°39 | 10° 8 | 16°32 | 10°47 | 9°32 | 11° 2 | 25°27 | n.a. | T 18 |
| F 19 | 12 41 19 | 11°11'05 | 5♏45 | 12°54 | 13°42 | 3°55 | 5°45 | 28°45 | 10° 8 | 16°31 | 10°47 | 9°D31 | 10°59 | 25°34 | n.a. | F 19 |
| S 20 | 12 45 15 | 12° 8'16 | 20°20 | 15° 5 | 14°56 | 4°10 | 5°38 | 28°52 | 10° 7 | 16°29 | 10°46 | 9°32 | 10°56 | 25°41 | n.a. | S 20 |
| S 21 | 12 49 12 | 13° 5'27 | 4♐30 | 17°16 | 16° 9 | 4°25 | 5°30 | 28°58 | 10° 6 | 16°27 | 10°46 | 9°33 | 10°53 | 25°47 | n.a. | S 21 |
| M22 | 12 53 8 | 14° 2'37 | 18°13 | 19°26 | 17°23 | 4°41 | 5°23 | 29° 4 | 10° 5 | 16°26 | 10°45 | 9°34 | 10°49 | 25°54 | n.a. | M22 |
| T 23 | 12 57 5 | 14°59'47 | 1♑30 | 21°35 | 18°37 | 4°57 | 5°15 | 29°11 | 10° 5 | 16°24 | 10°45 | 9°36 | 10°46 | 26° 1 | n.a. | T 23 |
| W24 | 13 1 1 | 15°56'56 | 14°23 | 23°43 | 19°50 | 5°14 | 5° 8 | 29°17 | 10° 4 | 16°22 | 10°44 | 9°R36 | 10°43 | 26° 7 | n.a. | W24 |
| T 25 | 13 4 58 | 16°54'05 | 26°55 | 25°49 | 21° 4 | 5°32 | 5° 0 | 29°23 | 10° 4 | 16°21 | 10°44 | 9°36 | 10°40 | 26°14 | n.a. | T 25 |
| F 26 | 13 8 54 | 17°51'14 | 9♒12 | 27°53 | 22°18 | 5°50 | 4°53 | 29°29 | 10° 3 | 16°19 | 10°43 | 9°34 | 10°37 | 26°21 | n.a. | F 26 |
| S 27 | 13 12 51 | 18°48'22 | 21°16 | 29°56 | 23°31 | 6° 8 | 4°46 | 29°35 | 10° 3 | 16°18 | 10°43 | 9°32 | 10°34 | 26°27 | n.a. | S 27 |
| S 28 | 13 16 48 | 19°45'29 | 3♓12 | 1♉57 | 24°45 | 6°27 | 4°39 | 29°41 | 10° 2 | 16°16 | 10°42 | 9°29 | 10°30 | 26°34 | n.a. | S 28 |
| M29 | 13 20 44 | 20°42'36 | 15° 3 | 3°56 | 25°59 | 6°46 | 4°32 | 29°47 | 10° 2 | 16°14 | 10°42 | 9°26 | 10°27 | 26°41 | n.a. | M29 |
| T 30 | 13 24 41 | 21♈39'43 | 26♓53 | 5♉52 | 27♈12 | 7♌ 6 | 4♎25 | 29♒53 | 10♌ 2 | 16♎13 | 10♌42 | 9♉23 | 10♉24 | 26♓47 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 2s26 | 13s41 | 4s36 | 11s27 | 2s11 | 4s25 | 1s 7 | 23n10 | 2n57 | 1s50 | 1n32 | 14s53 | 2s10 | 18n45 | 0n49 | 4s52 | 2n 5 | 34n12 | 17n10 | 15n12 | 15n43 | 6s 8 | | n.a. |
| T 2 | 2 3 | 8 32 | 4 3 | 10 41 | 2 5 | 3 54 | 1 6 | 23 6 | 2 55 | 1 47 | 1 32 | 14 51 | 2 10 | 18 45 | 0 49 | 4 52 | 2 5 | 34 12 | 17 10 | 15 9 | 15 42 | 6 5 | | n.a. |
| W 3 | 1 40 | 3 5 | 3 19 | 9 53 | 1 59 | 3 23 | 1 4 | 23 3 | 2 52 | 1 44 | 1 32 | 14 49 | 2 10 | 18 46 | 0 49 | 4 51 | 2 5 | 34 12 | 17 9 | 15 7 | 15 41 | 6 1 | | n.a. |
| T 4 | 1 17 | 2n29 | 2 26 | 9 4 | 1 53 | 2 52 | 1 3 | 22 59 | 2 49 | 1 41 | 1 32 | 14 46 | 2 10 | 18 46 | 0 49 | 4 51 | 2 5 | 34 12 | 17 9 | 15 5 | 15 40 | 5 58 | | n.a. |
| F 5 | 0 53 | 7 59 | 1 27 | 8 13 | 1 46 | 2 21 | 1 1 | 22 55 | 2 46 | 1 38 | 1 32 | 14 44 | 2 10 | 18 47 | 0 49 | 4 50 | 2 5 | 34 12 | 17 8 | 15 4 | 15 39 | 5 55 | | n.a. |
| S 6 | 0 30 | 13 15 | 0 24 | 7 20 | 1 38 | 1 49 | 0 59 | 22 51 | 2 43 | 1 35 | 1 32 | 14 41 | 2 10 | 18 47 | 0 49 | 4 49 | 2 5 | 34 12 | 17 8 | 15 4 | 15 38 | 5 52 | | n.a. |
| S 7 | 0 7 | 18 5 | 0n42 | 6 26 | 1 30 | 1 18 | 0 58 | 22 46 | 2 40 | 1 32 | 1 32 | 14 39 | 2 10 | 18 47 | 0 49 | 4 49 | 2 6 | 34 12 | 17 8 | 15 4 | 15 37 | 5 48 | | n.a. |
| M 8 | 0n17 | 22 15 | 1 46 | 5 31 | 1 22 | 0 46 | 0 56 | 22 42 | 2 37 | 1 29 | 1 32 | 14 37 | 2 11 | 18 48 | 0 49 | 4 48 | 2 6 | 34 11 | 17 7 | 15 4 | 15 36 | 5 45 | | n.a. |
| T 9 | 0 40 | 25 29 | 2 47 | 4 34 | 1 13 | 0 15 | 0 54 | 22 37 | 2 35 | 1 26 | 1 32 | 14 34 | 2 11 | 18 48 | 0 49 | 4 48 | 2 6 | 34 11 | 17 7 | 15 5 | 15 35 | 5 42 | | n.a. |
| W10 | 1 3 | 27 31 | 3 42 | 3 36 | 1 4 | 0n17 | 0 52 | 22 33 | 2 32 | 1 23 | 1 32 | 14 32 | 2 11 | 18 48 | 0 49 | 4 47 | 2 6 | 34 11 | 17 7 | 15 5 | 15 34 | 5 39 | | n.a. |
| T 11 | 1 26 | 28 5 | 4 26 | 2 36 | 0 54 | 0 48 | 0 50 | 22 28 | 2 29 | 1 20 | 1 32 | 14 30 | 2 11 | 18 49 | 0 49 | 4 46 | 2 6 | 34 11 | 17 6 | 15 5 | 15 33 | 5 35 | | n.a. |
| F 12 | 1 50 | 26 59 | 4 57 | 1 36 | 0 44 | 1 20 | 0 49 | 22 23 | 2 26 | 1 17 | 1 32 | 14 28 | 2 11 | 18 49 | 0 49 | 4 46 | 2 6 | 34 11 | 17 6 | 15 5 | 15 32 | 5 32 | | n.a. |
| S 13 | 2 13 | 24 11 | 5 11 | 0 35 | 0 34 | 1 51 | 0 47 | 22 18 | 2 24 | 1 14 | 1 32 | 14 25 | 2 11 | 18 49 | 0 49 | 4 45 | 2 6 | 34 11 | 17 5 | 15 4 | 15 31 | 5 29 | | n.a. |
| S 14 | 2 36 | 19 48 | 5 6 | 0n27 | 0 24 | 2 23 | 0 45 | 22 12 | 2 21 | 1 11 | 1 32 | 14 23 | 2 12 | 18 50 | 0 49 | 4 45 | 2 6 | 34 11 | 17 5 | 15 2 | 15 30 | 5 25 | | n.a. |
| M15 | 2 59 | 14 6 | 4 42 | 1 29 | 0 13 | 2 54 | 0 43 | 22 7 | 2 18 | 1 8 | 1 32 | 14 21 | 2 12 | 18 50 | 0 49 | 4 44 | 2 6 | 34 11 | 17 4 | 15 1 | 15 29 | 5 22 | | n.a. |
| T 16 | 3 22 | 7 29 | 3 57 | 2 31 | 0 3 | 3 26 | 0 41 | 22 1 | 2 16 | 1 5 | 1 32 | 14 19 | 2 12 | 18 50 | 0 49 | 4 43 | 2 6 | 34 10 | 17 4 | 15 0 | 15 28 | 5 19 | | n.a. |
| W17 | 3 45 | 0 22 | 2 55 | 3 34 | 0n 8 | 3 57 | 0 39 | 21 56 | 2 13 | 1 2 | 1 31 | 14 17 | 2 12 | 18 50 | 0 49 | 4 43 | 2 6 | 34 10 | 17 4 | 14 58 | 15 27 | 5 16 | | n.a. |
| T 18 | 4 8 | 6s44 | 1 41 | 4 36 | 0 18 | 4 28 | 0 36 | 21 50 | 2 10 | 0 59 | 1 31 | 14 14 | 2 12 | 18 50 | 0 49 | 4 42 | 2 6 | 34 10 | 17 3 | 14 58 | 15 26 | 5 12 | | n.a. |
| F 19 | 4 31 | 13 23 | 0 21 | 5 38 | 0 29 | 4 59 | 0 34 | 21 44 | 2 8 | 0 56 | 1 31 | 14 12 | 2 12 | 18 51 | 0 49 | 4 41 | 2 6 | 34 10 | 17 3 | 14 57 | 15 25 | 5 9 | | n.a. |
| S 20 | 4 53 | 19 8 | 0s59 | 6 39 | 0 39 | 5 30 | 0 32 | 21 38 | 2 5 | 0 53 | 1 31 | 14 10 | 2 13 | 18 51 | 0 49 | 4 41 | 2 6 | 34 9 | 17 2 | 14 57 | 15 24 | 5 6 | | n.a. |
| S 21 | 5 16 | 23 39 | 2 13 | 7 40 | 0 49 | 6 1 | 0 30 | 21 32 | 2 3 | 0 51 | 1 31 | 14 8 | 2 13 | 18 51 | 0 49 | 4 40 | 2 6 | 34 9 | 17 2 | 14 58 | 15 23 | 5 3 | | n.a. |
| M22 | 5 39 | 26 39 | 3 17 | 8 39 | 0 58 | 6 32 | 0 28 | 21 25 | 2 0 | 0 48 | 1 31 | 14 6 | 2 13 | 18 51 | 0 49 | 4 40 | 2 6 | 34 9 | 17 1 | 14 58 | 15 22 | 4 59 | | n.a. |
| T 23 | 6 1 | 28 3 | 4 8 | 9 37 | 1 7 | 7 3 | 0 25 | 21 19 | 1 58 | 0 45 | 1 31 | 14 4 | 2 13 | 18 51 | 0 49 | 4 39 | 2 6 | 34 9 | 17 1 | 14 59 | 15 21 | 4 56 | | n.a. |
| W24 | 6 24 | 27 51 | 4 45 | 10 33 | 1 16 | 7 33 | 0 23 | 21 12 | 1 55 | 0 42 | 1 31 | 14 2 | 2 13 | 18 51 | 0 48 | 4 38 | 2 6 | 34 8 | 17 0 | 14 59 | 15 20 | 4 53 | | n.a. |
| T 25 | 6 46 | 26 13 | 5 7 | 11 28 | 1 24 | 8 4 | 0 21 | 21 5 | 1 53 | 0 39 | 1 30 | 14 0 | 2 14 | 18 51 | 0 48 | 4 38 | 2 6 | 34 8 | 17 0 | 14 59 | 15 19 | 4 49 | | n.a. |
| F 26 | 7 9 | 23 21 | 5 15 | 12 21 | 1 31 | 8 34 | 0 19 | 20 59 | 1 50 | 0 36 | 1 30 | 13 58 | 2 14 | 18 52 | 0 48 | 4 37 | 2 6 | 34 8 | 16 59 | 14 58 | 15 18 | 4 46 | | n.a. |
| S 27 | 7 31 | 19 33 | 5 8 | 13 12 | 1 38 | 9 4 | 0 16 | 20 52 | 1 48 | 0 33 | 1 30 | 13 56 | 2 14 | 18 52 | 0 48 | 4 36 | 2 6 | 34 7 | 16 59 | 14 58 | 15 17 | 4 43 | | n.a. |
| S 28 | 7 53 | 15 0 | 4 48 | 14 1 | 1 44 | 9 33 | 0 14 | 20 44 | 1 46 | 0 31 | 1 30 | 13 54 | 2 14 | 18 52 | 0 48 | 4 36 | 2 6 | 34 7 | 16 58 | 14 57 | 15 16 | 4 40 | | n.a. |
| M29 | 8 15 | 9 55 | 4 16 | 14 48 | 1 50 | 10 3 | 0 12 | 20 37 | 1 43 | 0 28 | 1 30 | 13 52 | 2 14 | 18 52 | 0 48 | 4 35 | 2 6 | 34 7 | 16 58 | 14 56 | 15 15 | 4 36 | | n.a. |
| T 30 | 8n37 | 4s31 | 3s33 | 15n33 | 1n55 | 10n32 | 0s 9 | 20n30 | 1n41 | 0s25 | 1n30 | 13s50 | 2s15 | 18n52 | 0n48 | 4s35 | 2n 6 | 34n 6 | 16n57 | 14n55 | 15n14 | 4s33 | | n.a. |

Julian Day Number = 998318.5, Delta T = 12h54m13s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'06, Lahiri = -31°15'06 Julian Calendar 1 Apr. 1980 BCE == Greg. Calendar 15 March 1980 BCE


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## MAY 1980 BCE (-1979) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 28 37 | 22♈36'50 | 8♈43 | 7♉47 | 28♈26 | 7♌26 | 4°R18 | 29♒59 | 10°R 1 | 16°R11 | 10°R42 | 9°R21 | 10♉21 | 26♓54 | n.a. | W 1 |
| T 2 | 13 32 34 | 23°33'56 | 20°36 | 9°39 | 29°39 | 7°47 | 4♎11 | 0♓ 4 | 10♌ 1 | 16♎10 | 10♌41 | 9♉20 | 10°18 | 27° 1 | n.a. | T 2 |
| F 3 | 13 36 30 | 24°31'01 | 2♉34 | 11°29 | 0♉53 | 8° 8 | 4° 4 | 0°10 | 10° 1 | 16° 8 | 10°41 | 9°19 | 10°14 | 27° 8 | n.a. | F 3 |
| S 4 | 13 40 27 | 25°28'07 | 14°40 | 13°16 | 2° 7 | 8°30 | 3°57 | 0°15 | 10° 1 | 16° 6 | 10°41 | 9°D19 | 10°11 | 27°14 | n.a. | S 4 |
| S 5 | 13 44 23 | 26°25'11 | 26°55 | 15° 2 | 3°20 | 8°52 | 3°51 | 0°21 | 10°D 1 | 16° 5 | 10°41 | 9°19 | 10° 8 | 27°21 | n.a. | S 5 |
| M 6 | 13 48 20 | 27°22'16 | 9♊21 | 16°45 | 4°34 | 9°15 | 3°44 | 0°26 | 10° 1 | 16° 3 | 10°41 | 9°20 | 10° 5 | 27°28 | n.a. | M 6 |
| T 7 | 13 52 17 | 28°19'20 | 22° 0 | 18°25 | 5°48 | 9°38 | 3°38 | 0°32 | 10° 1 | 16° 2 | 10°41 | 9°21 | 10° 2 | 27°34 | n.a. | T 7 |
| W 8 | 13 56 13 | 29°16'23 | 4♋56 | 20° 3 | 7° 1 | 10° 1 | 3°32 | 0°37 | 10° 1 | 16° 0 | 10°D41 | 9°22 | 9°59 | 27°41 | n.a. | W 8 |
| T 9 | 14 0 10 | 0♉13'27 | 18°10 | 21°39 | 8°15 | 10°25 | 3°25 | 0°42 | 10° 2 | 15°59 | 10°41 | 9°23 | 9°55 | 27°48 | n.a. | T 9 |
| F 10 | 14 4 6 | 1°10'29 | 1♌45 | 23°13 | 9°29 | 10°49 | 3°19 | 0°47 | 10° 2 | 15°57 | 10°41 | 9°R23 | 9°52 | 27°54 | n.a. | F 10 |
| S 11 | 14 8 3 | 2° 7'31 | 15°40 | 24°44 | 10°42 | 11°13 | 3°14 | 0°52 | 10° 2 | 15°55 | 10°41 | 9°23 | 9°49 | 28° 1 | n.a. | S 11 |
| S 12 | 14 11 59 | 3° 4'33 | 29°57 | 26°12 | 11°56 | 11°38 | 3° 8 | 0°57 | 10° 3 | 15°54 | 10°41 | 9°22 | 9°46 | 28° 8 | n.a. | S 12 |
| M13 | 14 15 56 | 4° 1'34 | 14♍31 | 27°39 | 13°10 | 12° 3 | 3° 2 | 1° 2 | 10° 3 | 15°52 | 10°41 | 9°22 | 9°43 | 28°14 | n.a. | M13 |
| T 14 | 14 19 53 | 4°58'35 | 29°20 | 29° 2 | 14°23 | 12°29 | 2°57 | 1° 7 | 10° 3 | 15°51 | 10°41 | 9°21 | 9°39 | 28°21 | n.a. | T 14 |
| W15 | 14 23 49 | 5°55'36 | 14♎16 | 0♊23 | 15°37 | 12°54 | 2°51 | 1°12 | 10° 4 | 15°49 | 10°42 | 9°21 | 9°36 | 28°28 | n.a. | W15 |
| T 16 | 14 27 46 | 6°52'36 | 29°12 | 1°42 | 16°50 | 13°21 | 2°46 | 1°17 | 10° 5 | 15°48 | 10°42 | 9°21 | 9°33 | 28°34 | n.a. | T 16 |
| F 17 | 14 31 42 | 7°49'37 | 14♏ 0 | 2°58 | 18° 4 | 13°47 | 2°41 | 1°21 | 10° 5 | 15°46 | 10°42 | 9°D21 | 9°30 | 28°41 | n.a. | F 17 |
| S 18 | 14 35 39 | 8°46'38 | 28°32 | 4°11 | 19°18 | 14°14 | 2°36 | 1°26 | 10° 6 | 15°45 | 10°42 | 9°21 | 9°27 | 28°48 | n.a. | S 18 |
| S 19 | 14 39 35 | 9°43'39 | 12♐44 | 5°22 | 20°31 | 14°41 | 2°31 | 1°30 | 10° 7 | 15°43 | 10°43 | 9°R21 | 9°24 | 28°54 | n.a. | S 19 |
| M20 | 14 43 32 | 10°40'41 | 26°31 | 6°30 | 21°45 | 15° 9 | 2°27 | 1°35 | 10° 7 | 15°42 | 10°43 | 9°21 | 9°20 | 29° 1 | n.a. | M20 |
| T 21 | 14 47 29 | 11°37'43 | 9♑53 | 7°35 | 22°59 | 15°36 | 2°22 | 1°39 | 10° 8 | 15°41 | 10°44 | 9°20 | 9°17 | 29° 8 | n.a. | T 21 |
| W22 | 14 51 25 | 12°34'45 | 22°51 | 8°37 | 24°12 | 16° 5 | 2°18 | 1°43 | 10° 9 | 15°39 | 10°44 | 9°20 | 9°14 | 29°14 | n.a. | W22 |
| T 23 | 14 55 22 | 13°31'48 | 5♒27 | 9°36 | 25°26 | 16°33 | 2°14 | 1°47 | 10°10 | 15°38 | 10°44 | 9°20 | 9°11 | 29°21 | n.a. | T 23 |
| F 24 | 14 59 18 | 14°28'51 | 17°45 | 10°31 | 26°39 | 17° 2 | 2°10 | 1°51 | 10°11 | 15°36 | 10°45 | 9°D20 | 9° 8 | 29°28 | n.a. | F 24 |
| S 25 | 15 3 15 | 15°25'55 | 29°50 | 11°24 | 27°53 | 17°31 | 2° 6 | 1°55 | 10°12 | 15°35 | 10°46 | 9°20 | 9° 5 | 29°34 | n.a. | S 25 |
| S 26 | 15 7 11 | 16°23'00 | 11♓45 | 12°13 | 29° 7 | 18° 0 | 2° 2 | 1°59 | 10°13 | 15°34 | 10°46 | 9°21 | 9° 1 | 29°41 | n.a. | S 26 |
| M27 | 15 11 8 | 17°20'05 | 23°35 | 12°59 | 0♊20 | 18°29 | 1°58 | 2° 3 | 10°14 | 15°32 | 10°47 | 9°21 | 8°58 | 29°48 | n.a. | M27 |
| T 28 | 15 15 4 | 18°17'11 | 5♈25 | 13°41 | 1°34 | 18°59 | 1°55 | 2° 6 | 10°15 | 15°31 | 10°47 | 9°22 | 8°55 | 29°55 | n.a. | T 28 |
| W29 | 15 19 1 | 19°14'18 | 17°17 | 14°19 | 2°48 | 19°29 | 1°52 | 2°10 | 10°17 | 15°30 | 10°48 | 9°23 | 8°52 | 0♈ 1 | n.a. | W29 |
| T 30 | 15 22 58 | 20°11'25 | 29°16 | 14°53 | 4° 1 | 20° 0 | 1°49 | 2°13 | 10°18 | 15°29 | 10°49 | 9°24 | 8°49 | 0° 8 | n.a. | T 30 |
| F 31 | 15 26 54 | 21♉ 8'33 | 11♉24 | 15♊24 | 5♊15 | 20♌30 | 1♎46 | 2♓17 | 10♌19 | 15♎27 | 10♌49 | 9°R24 | 8♉45 | 0♈15 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 8n58 | 1n 4 | 2s41 | 16n16 | 1n59 | 11n 1 | 0s 7 | 20n22 | 1n39 | 0s23 | 1n29 | 13s48 | 2s15 | 18n52 | 0n48 | 4s34 | 2n 6 | 34n 6 | 16n57 | 14n54 | 15n13 | 4s30 | | | n.a. |
| T 2 | 9 20 | 6 38 | 1 42 | 16 56 | 2 3 | 11 30 | 0 5 | 20 15 | 1 37 | 0 20 | 1 29 | 13 46 | 2 15 | 18 52 | 0 48 | 4 33 | 2 6 | 34 5 | 16 56 | 14 53 | 15 12 | 4 26 | | | n.a. |
| F 3 | 9 41 | 12 2 | 0 37 | 17 34 | 2 6 | 11 59 | 0 2 | 20 7 | 1 34 | 0 18 | 1 29 | 13 45 | 2 15 | 18 52 | 0 48 | 4 33 | 2 6 | 34 5 | 16 56 | 14 53 | 15 11 | 4 23 | | | n.a. |
| S 4 | 10 3 | 17 2 | 0n30 | 18 10 | 2 8 | 12 27 | 0n 0 | 19 59 | 1 32 | 0 15 | 1 29 | 13 43 | 2 16 | 18 52 | 0 48 | 4 32 | 2 6 | 34 5 | 16 55 | 14 53 | 15 10 | 4 20 | | | n.a. |
| S 5 | 10 24 | 21 25 | 1 36 | 18 44 | 2 10 | 12 55 | 0 3 | 19 51 | 1 30 | 0 13 | 1 29 | 13 41 | 2 16 | 18 52 | 0 48 | 4 31 | 2 6 | 34 4 | 16 55 | 14 53 | 15 9 | 4 16 | | | n.a. |
| M 6 | 10 45 | 24 55 | 2 39 | 19 16 | 2 11 | 13 23 | 0 5 | 19 43 | 1 28 | 0 10 | 1 28 | 13 39 | 2 16 | 18 52 | 0 48 | 4 31 | 2 6 | 34 4 | 16 54 | 14 54 | 15 8 | 4 13 | | | n.a. |
| T 7 | 11 6 | 27 15 | 3 35 | 19 45 | 2 11 | 13 50 | 0 7 | 19 34 | 1 26 | 0 8 | 1 28 | 13 37 | 2 16 | 18 52 | 0 48 | 4 30 | 2 5 | 34 3 | 16 54 | 14 54 | 15 7 | 4 10 | | | n.a. |
| W 8 | 11 26 | 28 11 | 4 22 | 20 12 | 2 10 | 14 17 | 0 10 | 19 26 | 1 23 | 0 5 | 1 28 | 13 36 | 2 16 | 18 52 | 0 48 | 4 30 | 2 5 | 34 3 | 16 53 | 14 54 | 15 6 | 4 7 | | | n.a. |
| T 9 | 11 47 | 27 32 | 4 56 | 20 37 | 2 9 | 14 44 | 0 12 | 19 17 | 1 21 | 0 3 | 1 28 | 13 34 | 2 17 | 18 51 | 0 48 | 4 29 | 2 5 | 34 2 | 16 53 | 14 55 | 15 5 | 4 3 | | | n.a. |
| F 10 | 12 7 | 25 16 | 5 14 | 21 0 | 2 8 | 15 10 | 0 14 | 19 9 | 1 19 | 0 1 | 1 27 | 13 32 | 2 17 | 18 51 | 0 48 | 4 28 | 2 5 | 34 2 | 16 52 | 14 55 | 15 4 | 4 0 | | | n.a. |
| S 11 | 12 27 | 21 28 | 5 15 | 21 21 | 2 5 | 15 36 | 0 17 | 19 0 | 1 17 | 0n 1 | 1 27 | 13 31 | 2 17 | 18 51 | 0 48 | 4 28 | 2 5 | 34 1 | 16 52 | 14 55 | 15 3 | 3 57 | | | n.a. |
| S 12 | 12 47 | 16 20 | 4 57 | 21 40 | 2 2 | 16 2 | 0 19 | 18 51 | 1 15 | 0 3 | 1 27 | 13 29 | 2 17 | 18 51 | 0 48 | 4 27 | 2 5 | 34 1 | 16 51 | 14 54 | 15 2 | 3 53 | | | n.a. |
| M13 | 13 7 | 10 11 | 4 19 | 21 57 | 1 58 | 16 27 | 0 22 | 18 42 | 1 13 | 0 5 | 1 27 | 13 28 | 2 18 | 18 51 | 0 48 | 4 27 | 2 5 | 34 0 | 16 51 | 14 54 | 15 1 | 3 50 | | | n.a. |
| T 14 | 13 27 | 3 23 | 3 24 | 22 12 | 1 54 | 16 51 | 0 24 | 18 32 | 1 11 | 0 7 | 1 26 | 13 26 | 2 18 | 18 51 | 0 48 | 4 26 | 2 5 | 34 0 | 16 50 | 14 54 | 15 0 | 3 47 | | | n.a. |
| W15 | 13 46 | 3s40 | 2 15 | 22 25 | 1 49 | 17 16 | 0 26 | 18 23 | 1 9 | 0 9 | 1 26 | 13 25 | 2 18 | 18 51 | 0 48 | 4 26 | 2 5 | 33 59 | 16 50 | 14 54 | 14 59 | 3 43 | | | n.a. |
| T 16 | 14 5 | 10 32 | 0 56 | 22 36 | 1 43 | 17 40 | 0 29 | 18 13 | 1 7 | 0 11 | 1 26 | 13 23 | 2 18 | 18 50 | 0 48 | 4 25 | 2 5 | 33 58 | 16 49 | 14 54 | 14 58 | 3 40 | | | n.a. |
| F 17 | 14 24 | 16 46 | 0s26 | 22 46 | 1 37 | 18 3 | 0 31 | 18 4 | 1 5 | 0 13 | 1 26 | 13 22 | 2 19 | 18 50 | 0 48 | 4 25 | 2 5 | 33 58 | 16 49 | 14 54 | 14 57 | 3 37 | | | n.a. |
| S 18 | 14 43 | 21 56 | 1 45 | 22 53 | 1 30 | 18 26 | 0 33 | 17 54 | 1 3 | 0 15 | 1 25 | 13 20 | 2 19 | 18 50 | 0 48 | 4 24 | 2 5 | 33 57 | 16 48 | 14 54 | 14 56 | 3 33 | | | n.a. |
| S 19 | 15 1 | 25 40 | 2 55 | 22 59 | 1 23 | 18 48 | 0 35 | 17 44 | 1 1 | 0 16 | 1 25 | 13 19 | 2 19 | 18 50 | 0 47 | 4 23 | 2 5 | 33 57 | 16 48 | 14 54 | 14 55 | 3 30 | | | n.a. |
| M20 | 15 20 | 27 46 | 3 53 | 23 3 | 1 15 | 19 10 | 0 38 | 17 34 | 0 59 | 0 18 | 1 25 | 13 18 | 2 19 | 18 49 | 0 47 | 4 23 | 2 5 | 33 56 | 16 47 | 14 54 | 14 54 | 3 27 | | | n.a. |
| T 21 | 15 38 | 28 8 | 4 36 | 23 6 | 1 6 | 19 32 | 0 40 | 17 24 | 0 58 | 0 20 | 1 25 | 13 16 | 2 20 | 18 49 | 0 47 | 4 22 | 2 5 | 33 56 | 16 47 | 14 54 | 14 53 | 3 23 | | | n.a. |
| W22 | 15 55 | 26 56 | 5 4 | 23 7 | 0 57 | 19 53 | 0 42 | 17 13 | 0 56 | 0 21 | 1 24 | 13 15 | 2 20 | 18 49 | 0 47 | 4 22 | 2 5 | 33 55 | 16 46 | 14 54 | 14 52 | 3 20 | | | n.a. |
| T 23 | 16 13 | 24 23 | 5 16 | 23 7 | 0 47 | 20 13 | 0 44 | 17 3 | 0 54 | 0 23 | 1 24 | 13 14 | 2 20 | 18 49 | 0 47 | 4 21 | 2 5 | 33 54 | 16 46 | 14 54 | 14 51 | 3 17 | | | n.a. |
| F 24 | 16 30 | 20 47 | 5 14 | 23 5 | 0 37 | 20 33 | 0 46 | 16 52 | 0 52 | 0 24 | 1 24 | 13 12 | 2 20 | 18 48 | 0 47 | 4 21 | 2 5 | 33 54 | 16 45 | 14 54 | 14 50 | 3 13 | | | n.a. |
| S 25 | 16 48 | 16 23 | 4 57 | 23 2 | 0 26 | 20 52 | 0 48 | 16 42 | 0 50 | 0 25 | 1 23 | 13 11 | 2 21 | 18 48 | 0 47 | 4 20 | 2 5 | 33 53 | 16 45 | 14 54 | 14 49 | 3 10 | | | n.a. |
| S 26 | 17 4 | 11 25 | 4 28 | 22 58 | 0 15 | 21 11 | 0 51 | 16 31 | 0 49 | 0 27 | 1 23 | 13 10 | 2 21 | 18 48 | 0 47 | 4 20 | 2 5 | 33 52 | 16 44 | 14 54 | 14 48 | 3 7 | | | n.a. |
| M27 | 17 21 | 6 4 | 3 48 | 22 52 | 0 3 | 21 29 | 0 53 | 16 20 | 0 47 | 0 28 | 1 23 | 13 9 | 2 21 | 18 47 | 0 47 | 4 19 | 2 5 | 33 52 | 16 44 | 14 54 | 14 47 | 3 3 | | | n.a. |
| T 28 | 17 37 | 0 31 | 2 57 | 22 46 | 0s 9 | 21 47 | 0 55 | 16 9 | 0 45 | 0 29 | 1 22 | 13 8 | 2 22 | 18 47 | 0 47 | 4 19 | 2 5 | 33 51 | 16 43 | 14 54 | 14 46 | 3 0 | | | n.a. |
| W29 | 17 53 | 5n 5 | 1 59 | 22 38 | 0 21 | 22 4 | 0 57 | 15 57 | 0 43 | 0 30 | 1 22 | 13 7 | 2 22 | 18 47 | 0 47 | 4 18 | 2 5 | 33 50 | 16 43 | 14 55 | 14 44 | 2 57 | | | n.a. |
| T 30 | 18 9 | 10 34 | 0 56 | 22 29 | 0 34 | 22 20 | 0 59 | 15 46 | 0 42 | 0 31 | 1 22 | 13 6 | 2 22 | 18 46 | 0 47 | 4 18 | 2 5 | 33 50 | 16 42 | 14 55 | 14 43 | 2 53 | | | n.a. |
| F 31 | 18n24 | 15n44 | 0n11 | 22n19 | 0s48 | 22n36 | 1n 0 | 15n35 | 0n40 | 0n32 | 1n22 | 13s 5 | 2s22 | 18n46 | 0n47 | 4s18 | 2n 5 | 33n49 | 16n42 | 14n55 | 14n42 | 2s50 | | | n.a. |

Julian Day Number = 998348.5, Delta T = 12h54m11s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°22'02, Lahiri = -31°15'02 Julian Calendar 1 May 1980 BCE == Greg. Calendar 14 Apr. 1980 BCE


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## JUNE 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 30 51 | 22♉ 5'41 | 23♉43 | 15♊50 | 6♊29 | 21♌ 1 | 1°R43 | 2♓20 | 10♌21 | 15°R26 | 10♌50 | 9°R23 | 8♉42 | 0♈21 | n.a. | S 1 |
| S 2 | 15 34 47 | 23° 2'50 | 6♊14 | 16°12 | 7°42 | 21°32 | 1♎41 | 2°23 | 10°22 | 15♎25 | 10°51 | 9♉22 | 8°39 | 0°28 | n.a. | S 2 |
| M 3 | 15 38 44 | 24° 0'00 | 18°58 | 16°29 | 8°56 | 22° 4 | 1°39 | 2°27 | 10°24 | 15°24 | 10°52 | 9°21 | 8°36 | 0°35 | n.a. | M 3 |
| T 4 | 15 42 40 | 24°57'10 | 1♋57 | 16°41 | 10°10 | 22°35 | 1°36 | 2°30 | 10°25 | 15°23 | 10°53 | 9°19 | 8°33 | 0°41 | n.a. | T 4 |
| W 5 | 15 46 37 | 25°54'21 | 15° 9 | 16°49 | 11°23 | 23° 7 | 1°34 | 2°32 | 10°27 | 15°21 | 10°54 | 9°16 | 8°30 | 0°48 | n.a. | W 5 |
| T 6 | 15 50 34 | 26°51'33 | 28°36 | 16°R52 | 12°37 | 23°39 | 1°33 | 2°35 | 10°28 | 15°20 | 10°55 | 9°14 | 8°26 | 0°55 | n.a. | T 6 |
| F 7 | 15 54 30 | 27°48'45 | 12♌17 | 16°50 | 13°51 | 24°12 | 1°31 | 2°38 | 10°30 | 15°19 | 10°55 | 9°13 | 8°23 | 1° 1 | n.a. | F 7 |
| S 8 | 15 58 27 | 28°45'57 | 26°11 | 16°43 | 15° 4 | 24°44 | 1°30 | 2°41 | 10°32 | 15°18 | 10°56 | 9°D12 | 8°20 | 1° 8 | n.a. | S 8 |
| S 9 | 16 2 23 | 29°43'10 | 10♍18 | 16°31 | 16°18 | 25°17 | 1°29 | 2°43 | 10°34 | 15°17 | 10°57 | 9°13 | 8°17 | 1°15 | n.a. | S 9 |
| M10 | 16 6 20 | 0♊40'24 | 24°37 | 16°14 | 17°32 | 25°50 | 1°27 | 2°46 | 10°35 | 15°16 | 10°59 | 9°14 | 8°14 | 1°21 | n.a. | M10 |
| T 11 | 16 10 16 | 1°37'38 | 9♎ 3 | 15°53 | 18°45 | 26°24 | 1°27 | 2°48 | 10°37 | 15°15 | 11° 0 | 9°15 | 8°11 | 1°28 | n.a. | T 11 |
| W12 | 16 14 13 | 2°34'52 | 23°35 | 15°27 | 19°59 | 26°57 | 1°26 | 2°50 | 10°39 | 15°14 | 11° 1 | 9°16 | 8° 7 | 1°35 | n.a. | W12 |
| T 13 | 16 18 10 | 3°32'08 | 8♏ 7 | 14°56 | 21°12 | 27°31 | 1°25 | 2°52 | 10°41 | 15°13 | 11° 2 | 9°R17 | 8° 4 | 1°41 | n.a. | T 13 |
| F 14 | 16 22 6 | 4°29'24 | 22°35 | 14°22 | 22°26 | 28° 5 | 1°25 | 2°54 | 10°43 | 15°12 | 11° 3 | 9°16 | 8° 1 | 1°48 | n.a. | F 14 |
| S 15 | 16 26 3 | 5°26'42 | 6♐52 | 13°44 | 23°40 | 28°39 | 1°D25 | 2°56 | 10°45 | 15°11 | 11° 4 | 9°14 | 7°58 | 1°55 | n.a. | S 15 |
| S 16 | 16 29 59 | 6°24'00 | 20°54 | 13° 3 | 24°53 | 29°13 | 1°25 | 2°58 | 10°47 | 15°11 | 11° 5 | 9°11 | 7°55 | 2° 1 | n.a. | S 16 |
| M17 | 16 33 56 | 7°21'20 | 4♑36 | 12°20 | 26° 7 | 29°47 | 1°25 | 3° 0 | 10°50 | 15°10 | 11° 7 | 9° 8 | 7°51 | 2° 8 | n.a. | M17 |
| T 18 | 16 37 52 | 8°18'41 | 17°57 | 11°35 | 27°21 | 0♍22 | 1°26 | 3° 2 | 10°52 | 15° 9 | 11° 8 | 9° 3 | 7°48 | 2°15 | n.a. | T 18 |
| W19 | 16 41 49 | 9°16'04 | 0♒55 | 10°49 | 28°34 | 0°57 | 1°26 | 3° 3 | 10°54 | 15° 8 | 11° 9 | 8°59 | 7°45 | 2°21 | n.a. | W19 |
| T 20 | 16 45 45 | 10°13'27 | 13°33 | 10° 3 | 29°48 | 1°32 | 1°27 | 3° 5 | 10°56 | 15° 7 | 11°11 | 8°55 | 7°42 | 2°28 | n.a. | T 20 |
| F 21 | 16 49 42 | 11°10'53 | 25°52 | 9°18 | 1♋ 1 | 2° 7 | 1°28 | 3° 6 | 10°59 | 15° 7 | 11°12 | 8°53 | 7°39 | 2°35 | n.a. | F 21 |
| S 22 | 16 53 39 | 12° 8'19 | 7♓58 | 8°35 | 2°15 | 2°43 | 1°29 | 3° 7 | 11° 1 | 15° 6 | 11°13 | 8°D52 | 7°36 | 2°41 | n.a. | S 22 |
| S 23 | 16 57 35 | 13° 5'47 | 19°53 | 7°54 | 3°29 | 3°18 | 1°31 | 3° 8 | 11° 3 | 15° 5 | 11°15 | 8°52 | 7°32 | 2°48 | n.a. | S 23 |
| M24 | 17 1 32 | 14° 3'17 | 1♈43 | 7°17 | 4°42 | 3°54 | 1°32 | 3° 9 | 11° 6 | 15° 5 | 11°16 | 8°53 | 7°29 | 2°55 | n.a. | M24 |
| T 25 | 17 5 28 | 15° 0'48 | 13°34 | 6°43 | 5°56 | 4°30 | 1°34 | 3°10 | 11° 8 | 15° 4 | 11°18 | 8°54 | 7°26 | 3° 1 | n.a. | T 25 |
| W26 | 17 9 25 | 15°58'21 | 25°29 | 6°15 | 7° 9 | 5° 6 | 1°36 | 3°11 | 11°11 | 15° 3 | 11°19 | 8°56 | 7°23 | 3° 8 | n.a. | W26 |
| T 27 | 17 13 21 | 16°55'56 | 7♉33 | 5°51 | 8°23 | 5°43 | 1°38 | 3°12 | 11°13 | 15° 3 | 11°21 | 8°R57 | 7°20 | 3°15 | n.a. | T 27 |
| F 28 | 17 17 18 | 17°53'32 | 19°50 | 5°34 | 9°36 | 6°19 | 1°40 | 3°12 | 11°16 | 15° 2 | 11°22 | 8°56 | 7°17 | 3°21 | n.a. | F 28 |
| S 29 | 17 21 15 | 18°51'09 | 2♊23 | 5°23 | 10°50 | 6°56 | 1°43 | 3°13 | 11°19 | 15° 2 | 11°24 | 8°54 | 7°13 | 3°28 | n.a. | S 29 |
| S 30 | 17 25 11 | 19♊48'49 | 15♊12 | 5°D19 | 12♋ 4 | 7♍33 | 1♎45 | 3♓13 | 11♌21 | 15♎ 1 | 11♌25 | 8♉50 | 7♉10 | 3♈35 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n40 | 20n21 | 1n18 | 22n 8 | 1s 2 | 22n51 | 1n 2 | 15n23 | 0n38 | 0n32 | 1n21 | 13s 4 | 2s23 | 18n45 | 0n47 | 4s17 | 2n 5 | 33n48 | 16n41 | 14n55 | 14n41 | 2s47 | | n.a. |
| S 2 | 18 55 | 24 8 | 2 23 | 21 56 | 1 16 | 23 5 | 1 4 | 15 11 | 0 37 | 0 33 | 1 21 | 13 3 | 2 23 | 18 45 | 0 47 | 4 17 | 2 5 | 33 48 | 16 41 | 14 54 | 14 40 | 2 43 | | n.a. |
| M 3 | 19 9 | 26 48 | 3 22 | 21 44 | 1 30 | 23 19 | 1 6 | 14 59 | 0 35 | 0 34 | 1 21 | 13 2 | 2 23 | 18 44 | 0 47 | 4 16 | 2 5 | 33 47 | 16 40 | 14 54 | 14 39 | 2 40 | | n.a. |
| T 4 | 19 23 | 28 6 | 4 11 | 21 31 | 1 44 | 23 32 | 1 8 | 14 47 | 0 33 | 0 34 | 1 20 | 13 1 | 2 24 | 18 44 | 0 47 | 4 16 | 2 5 | 33 46 | 16 40 | 14 53 | 14 38 | 2 37 | | n.a. |
| W 5 | 19 37 | 27 49 | 4 48 | 21 17 | 1 59 | 23 45 | 1 9 | 14 35 | 0 32 | 0 35 | 1 20 | 13 0 | 2 24 | 18 43 | 0 47 | 4 15 | 2 4 | 33 45 | 16 39 | 14 52 | 14 37 | 2 33 | | n.a. |
| T 6 | 19 51 | 25 54 | 5 10 | 21 3 | 2 13 | 23 56 | 1 11 | 14 23 | 0 30 | 0 35 | 1 20 | 13 0 | 2 24 | 18 43 | 0 47 | 4 15 | 2 4 | 33 45 | 16 39 | 14 52 | 14 36 | 2 30 | | n.a. |
| F 7 | 20 4 | 22 29 | 5 15 | 20 48 | 2 28 | 24 8 | 1 13 | 14 10 | 0 28 | 0 36 | 1 19 | 12 59 | 2 24 | 18 42 | 0 47 | 4 15 | 2 4 | 33 44 | 16 38 | 14 51 | 14 35 | 2 27 | | n.a. |
| S 8 | 20 17 | 17 45 | 5 2 | 20 33 | 2 42 | 24 18 | 1 14 | 13 58 | 0 27 | 0 36 | 1 19 | 12 58 | 2 25 | 18 42 | 0 47 | 4 14 | 2 4 | 33 43 | 16 38 | 14 51 | 14 34 | 2 23 | | n.a. |
| S 9 | 20 30 | 12 0 | 4 30 | 20 18 | 2 56 | 24 27 | 1 16 | 13 45 | 0 25 | 0 36 | 1 19 | 12 58 | 2 25 | 18 41 | 0 47 | 4 14 | 2 4 | 33 42 | 16 37 | 14 51 | 14 33 | 2 20 | | n.a. |
| M10 | 20 42 | 5 34 | 3 42 | 20 3 | 3 10 | 24 36 | 1 17 | 13 32 | 0 24 | 0 36 | 1 18 | 12 57 | 2 25 | 18 41 | 0 47 | 4 14 | 2 4 | 33 42 | 16 37 | 14 52 | 14 32 | 2 17 | | n.a. |
| T 11 | 20 54 | 1s14 | 2 39 | 19 48 | 3 23 | 24 44 | 1 19 | 13 19 | 0 22 | 0 36 | 1 18 | 12 56 | 2 26 | 18 40 | 0 47 | 4 13 | 2 4 | 33 41 | 16 36 | 14 52 | 14 31 | 2 13 | | n.a. |
| W12 | 21 6 | 8 1 | 1 25 | 19 33 | 3 35 | 24 52 | 1 20 | 13 6 | 0 21 | 0 36 | 1 18 | 12 56 | 2 26 | 18 40 | 0 47 | 4 13 | 2 4 | 33 40 | 16 36 | 14 52 | 14 30 | 2 10 | | n.a. |
| T 13 | 21 17 | 14 24 | 0 6 | 19 18 | 3 47 | 24 58 | 1 21 | 12 53 | 0 19 | 0 36 | 1 18 | 12 55 | 2 26 | 18 39 | 0 46 | 4 13 | 2 4 | 33 39 | 16 35 | 14 53 | 14 29 | 2 7 | | n.a. |
| F 14 | 21 28 | 19 57 | 1s12 | 19 4 | 3 57 | 25 4 | 1 22 | 12 40 | 0 18 | 0 36 | 1 17 | 12 55 | 2 27 | 18 39 | 0 46 | 4 12 | 2 4 | 33 38 | 16 35 | 14 52 | 14 28 | 2 3 | | n.a. |
| S 15 | 21 39 | 24 17 | 2 26 | 18 50 | 4 7 | 25 10 | 1 24 | 12 26 | 0 16 | 0 36 | 1 17 | 12 54 | 2 27 | 18 38 | 0 46 | 4 12 | 2 4 | 33 38 | 16 34 | 14 52 | 14 27 | 2 0 | | n.a. |
| S 16 | 21 49 | 27 4 | 3 29 | 18 37 | 4 15 | 25 14 | 1 25 | 12 13 | 0 15 | 0 35 | 1 17 | 12 54 | 2 27 | 18 37 | 0 46 | 4 12 | 2 4 | 33 37 | 16 34 | 14 51 | 14 26 | 1 57 | | n.a. |
| M17 | 21 59 | 28 8 | 4 18 | 18 25 | 4 21 | 25 18 | 1 26 | 11 59 | 0 13 | 0 35 | 1 16 | 12 54 | 2 27 | 18 37 | 0 46 | 4 11 | 2 4 | 33 36 | 16 34 | 14 50 | 14 25 | 1 53 | | n.a. |
| T 18 | 22 8 | 27 31 | 4 52 | 18 14 | 4 27 | 25 20 | 1 27 | 11 45 | 0 12 | 0 35 | 1 16 | 12 53 | 2 28 | 18 36 | 0 46 | 4 11 | 2 4 | 33 35 | 16 33 | 14 48 | 14 24 | 1 50 | | n.a. |
| W19 | 22 17 | 25 23 | 5 10 | 18 4 | 4 30 | 25 23 | 1 28 | 11 31 | 0 11 | 0 34 | 1 16 | 12 53 | 2 28 | 18 35 | 0 46 | 4 11 | 2 4 | 33 34 | 16 33 | 14 47 | 14 23 | 1 46 | | n.a. |
| T 20 | 22 26 | 22 3 | 5 12 | 17 56 | 4 32 | 25 24 | 1 28 | 11 17 | 0 9 | 0 33 | 1 15 | 12 53 | 2 28 | 18 35 | 0 46 | 4 11 | 2 4 | 33 34 | 16 32 | 14 46 | 14 21 | 1 43 | | n.a. |
| F 21 | 22 34 | 17 49 | 4 59 | 17 49 | 4 32 | 25 24 | 1 29 | 11 3 | 0 8 | 0 33 | 1 15 | 12 53 | 2 29 | 18 34 | 0 46 | 4 10 | 2 4 | 33 33 | 16 32 | 14 45 | 14 20 | 1 40 | | n.a. |
| S 22 | 22 42 | 12 58 | 4 33 | 17 44 | 4 30 | 25 24 | 1 30 | 10 49 | 0 6 | 0 32 | 1 15 | 12 52 | 2 29 | 18 33 | 0 46 | 4 10 | 2 3 | 33 32 | 16 31 | 14 44 | 14 19 | 1 36 | | n.a. |
| S 23 | 22 50 | 7 41 | 3 56 | 17 41 | 4 26 | 25 23 | 1 31 | 10 34 | 0 5 | 0 31 | 1 14 | 12 52 | 2 29 | 18 33 | 0 46 | 4 10 | 2 3 | 33 31 | 16 31 | 14 44 | 14 18 | 1 33 | | n.a. |
| M24 | 22 57 | 2 11 | 3 9 | 17 40 | 4 21 | 25 22 | 1 31 | 10 20 | 0 4 | 0 30 | 1 14 | 12 52 | 2 30 | 18 32 | 0 46 | 4 10 | 2 3 | 33 30 | 16 31 | 14 45 | 14 17 | 1 30 | | n.a. |
| T 25 | 23 4 | 3n24 | 2 14 | 17 42 | 4 14 | 25 19 | 1 32 | 10 5 | 0 2 | 0 29 | 1 14 | 12 52 | 2 30 | 18 31 | 0 46 | 4 10 | 2 3 | 33 29 | 16 30 | 14 45 | 14 16 | 1 26 | | n.a. |
| W26 | 23 10 | 8 55 | 1 13 | 17 45 | 4 6 | 25 16 | 1 32 | 9 51 | 0 1 | 0 28 | 1 13 | 12 52 | 2 30 | 18 30 | 0 46 | 4 10 | 2 3 | 33 29 | 16 30 | 14 46 | 14 15 | 1 23 | | n.a. |
| T 27 | 23 16 | 14 11 | 0 8 | 17 51 | 3 56 | 25 12 | 1 33 | 9 36 | 0s 0 | 0 27 | 1 13 | 12 52 | 2 31 | 18 30 | 0 46 | 4 9 | 2 3 | 33 28 | 16 29 | 14 46 | 14 14 | 1 20 | | n.a. |
| F 28 | 23 22 | 19 0 | 0n59 | 17 58 | 3 45 | 25 7 | 1 33 | 9 21 | 0 2 | 0 26 | 1 13 | 12 52 | 2 31 | 18 29 | 0 46 | 4 9 | 2 3 | 33 27 | 16 29 | 14 46 | 14 13 | 1 16 | | n.a. |
| S 29 | 23 27 | 23 5 | 2 4 | 18 8 | 3 33 | 25 1 | 1 33 | 9 6 | 0 3 | 0 25 | 1 12 | 12 52 | 2 31 | 18 28 | 0 46 | 4 9 | 2 3 | 33 26 | 16 29 | 14 45 | 14 12 | 1 13 | | n.a. |
| S 30 | 23n31 | 26n 8 | 3n 4 | 18n21 | 3s20 | 24n55 | 1n34 | 8n51 | 0s 4 | 0n23 | 1n12 | 12s52 | 2s31 | 18n27 | 0n46 | 4s 9 | 2n 3 | 33n25 | 16n28 | 14n44 | 14n11 | 1s 9 | | n.a. |

Julian Day Number = 998379.5, Delta T = 12h54m09s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'58, Lahiri = -31°14'58 Julian Calendar 1 June 1980 BCE == Greg. Calendar 15 May 1980 BCE


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## JULY 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 29 8 | 20♊46'30 | 28♊18 | 5♊21 | 13♋17 | 8♍10 | 1♎48 | 3♓13 | 11♏24 | 15°R 1 | 11♏27 | 8°R44 | 7♉ 7 | 3♈41 | n.a. | M 1 |
| T 2 | 17 33 4 | 21°44'12 | 11♋41 | 5°31 | 14°31 | 8°47 | 1°51 | 3°13 | 11°27 | 15♎ 0 | 11°29 | 8♉37 | 7° 4 | 3°48 | n.a. | T 2 |
| W 3 | 17 37 1 | 22°41'56 | 25°17 | 5°48 | 15°44 | 9°24 | 1°54 | 3°R13 | 11°30 | 15° 0 | 11°30 | 8°30 | 7° 1 | 3°55 | n.a. | W 3 |
| T 4 | 17 40 57 | 23°39'41 | 9♌ 6 | 6°13 | 16°58 | 10° 2 | 1°57 | 3°13 | 11°32 | 15° 0 | 11°32 | 8°23 | 6°57 | 4° 1 | n.a. | T 4 |
| F 5 | 17 44 54 | 24°37'28 | 23° 3 | 6°45 | 18°11 | 10°40 | 2° 1 | 3°13 | 11°35 | 14°59 | 11°34 | 8°18 | 6°54 | 4° 8 | n.a. | F 5 |
| S 6 | 17 48 50 | 25°35'16 | 7♍ 6 | 7°24 | 19°25 | 11°17 | 2° 4 | 3°13 | 11°38 | 14°59 | 11°35 | 8°14 | 6°51 | 4°15 | n.a. | S 6 |
| S 7 | 17 52 47 | 26°33'05 | 21°14 | 8°10 | 20°39 | 11°55 | 2° 8 | 3°12 | 11°41 | 14°59 | 11°37 | 8°D13 | 6°48 | 4°21 | n.a. | S 7 |
| M 8 | 17 56 44 | 27°30'55 | 5♎24 | 9° 3 | 21°52 | 12°33 | 2°12 | 3°12 | 11°44 | 14°59 | 11°39 | 8°13 | 6°45 | 4°28 | n.a. | M 8 |
| T 9 | 18 0 40 | 28°28'47 | 19°34 | 10° 3 | 23° 6 | 13°12 | 2°16 | 3°11 | 11°47 | 14°58 | 11°41 | 8°14 | 6°42 | 4°35 | n.a. | T 9 |
| W10 | 18 4 37 | 29°26'41 | 3♏43 | 11°10 | 24°19 | 13°50 | 2°21 | 3°11 | 11°50 | 14°58 | 11°43 | 8°R15 | 6°38 | 4°41 | n.a. | W10 |
| T 11 | 18 8 33 | 0♋24'36 | 17°50 | 12°23 | 25°32 | 14°29 | 2°25 | 3°10 | 11°53 | 14°58 | 11°45 | 8°14 | 6°35 | 4°48 | n.a. | T 11 |
| F 12 | 18 12 30 | 1°22'32 | 1♐51 | 13°41 | 26°46 | 15° 7 | 2°30 | 3° 9 | 11°56 | 14°58 | 11°46 | 8°12 | 6°32 | 4°55 | n.a. | F 12 |
| S 13 | 18 16 26 | 2°20'31 | 15°45 | 15° 5 | 27°59 | 15°46 | 2°35 | 3° 8 | 11°59 | 14°58 | 11°48 | 8° 8 | 6°29 | 5° 1 | n.a. | S 13 |
| S 14 | 18 20 23 | 3°18'31 | 29°26 | 16°35 | 29°13 | 16°25 | 2°40 | 3° 7 | 12° 2 | 14°D58 | 11°50 | 8° 1 | 6°26 | 5° 8 | n.a. | S 14 |
| M15 | 18 24 19 | 4°16'32 | 12♑54 | 18° 8 | 0♌26 | 17° 4 | 2°45 | 3° 6 | 12° 6 | 14°58 | 11°52 | 7°52 | 6°23 | 5°15 | n.a. | M15 |
| T 16 | 18 28 16 | 5°14'36 | 26° 4 | 19°47 | 1°40 | 17°44 | 2°50 | 3° 4 | 12° 9 | 14°58 | 11°54 | 7°42 | 6°19 | 5°21 | n.a. | T 16 |
| W17 | 18 32 13 | 6°12'42 | 8♒56 | 21°28 | 2°53 | 18°23 | 2°56 | 3° 3 | 12°12 | 14°58 | 11°56 | 7°32 | 6°16 | 5°28 | n.a. | W17 |
| T 18 | 18 36 9 | 7°10'49 | 21°31 | 23°13 | 4° 6 | 19° 3 | 3° 1 | 3° 1 | 12°15 | 14°58 | 11°58 | 7°23 | 6°13 | 5°35 | n.a. | T 18 |
| F 19 | 18 40 6 | 8° 8'59 | 3♓48 | 25° 1 | 5°20 | 19°42 | 3° 7 | 3° 0 | 12°19 | 14°58 | 12° 0 | 7°16 | 6°10 | 5°41 | n.a. | F 19 |
| S 20 | 18 44 2 | 9° 7'11 | 15°52 | 26°51 | 6°33 | 20°22 | 3°13 | 2°58 | 12°22 | 14°59 | 12° 2 | 7°11 | 6° 7 | 5°48 | n.a. | S 20 |
| S 21 | 18 47 59 | 10° 5'25 | 27°47 | 28°43 | 7°46 | 21° 2 | 3°19 | 2°56 | 12°25 | 14°59 | 12° 4 | 7° 8 | 6° 3 | 5°55 | n.a. | S 21 |
| M22 | 18 51 55 | 11° 3'41 | 9♈37 | 0♋36 | 9° 0 | 21°42 | 3°25 | 2°54 | 12°29 | 14°59 | 12° 6 | 7°D 7 | 6° 0 | 6° 1 | n.a. | M22 |
| T 23 | 18 55 52 | 12° 2'00 | 21°27 | 2°30 | 10°13 | 22°22 | 3°32 | 2°52 | 12°32 | 14°59 | 12° 8 | 7° 8 | 5°57 | 6° 8 | n.a. | T 23 |
| W24 | 18 59 48 | 13° 0'20 | 3♉22 | 4°26 | 11°26 | 23° 3 | 3°38 | 2°50 | 12°35 | 15° 0 | 12°10 | 7°R 8 | 5°54 | 6°15 | n.a. | W24 |
| T 25 | 19 3 45 | 13°58'43 | 15°29 | 6°21 | 12°40 | 23°43 | 3°45 | 2°47 | 12°39 | 15° 0 | 12°12 | 7° 8 | 5°51 | 6°21 | n.a. | T 25 |
| F 26 | 19 7 41 | 14°57'09 | 27°52 | 8°17 | 13°53 | 24°24 | 3°52 | 2°45 | 12°42 | 15° 0 | 12°14 | 7° 6 | 5°48 | 6°28 | n.a. | F 26 |
| S 27 | 19 11 38 | 15°55'36 | 10♊33 | 10°12 | 15° 6 | 25° 4 | 3°59 | 2°43 | 12°46 | 15° 1 | 12°17 | 7° 1 | 5°44 | 6°35 | n.a. | S 27 |
| S 28 | 19 15 35 | 16°54'06 | 23°37 | 12° 8 | 16°19 | 25°45 | 4° 6 | 2°40 | 12°49 | 15° 1 | 12°19 | 6°55 | 5°41 | 6°41 | n.a. | S 28 |
| M29 | 19 19 31 | 17°52'39 | 7♋ 3 | 14° 3 | 17°33 | 26°26 | 4°13 | 2°37 | 12°53 | 15° 2 | 12°21 | 6°45 | 5°38 | 6°48 | n.a. | M29 |
| T 30 | 19 23 28 | 18°51'13 | 20°49 | 15°57 | 18°46 | 27° 7 | 4°20 | 2°35 | 12°56 | 15° 2 | 12°23 | 6°34 | 5°35 | 6°55 | n.a. | T 30 |
| W31 | 19 27 24 | 19♋49'49 | 4♌52 | 17♋51 | 19♌59 | 27♍48 | 4♎28 | 2♓32 | 13♌ 0 | 15♎ 3 | 12♌25 | 6♉23 | 5♉32 | 7♈ 1 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 23n36 | 27n50 | 3n55 | 18n35 | 3s 6 | 24n48 | 1n34 | 8n36 | 0s 5 | 0n22 | 1n12 | 12s53 | 2s32 | 18n27 | 0n46 | 4s 9 | 2n 3 | 33n24 | 16n28 | 14n42 | 14n10 | 1s 6 | | n.a. |
| T 2 | 23 40 | 27 58 | 4 35 | 18 51 | 2 51 | 24 40 | 1 34 | 8 20 | 0 7 | 0 20 | 1 12 | 12 53 | 2 32 | 18 26 | 0 46 | 4 9 | 2 3 | 33 23 | 16 27 | 14 40 | 14 9 | 1 3 | | n.a. |
| W 3 | 23 43 | 26 25 | 5 0 | 19 9 | 2 36 | 24 31 | 1 34 | 8 5 | 0 8 | 0 19 | 1 11 | 12 53 | 2 32 | 18 25 | 0 46 | 4 9 | 2 3 | 33 23 | 16 27 | 14 37 | 14 8 | 0 59 | | n.a. |
| T 4 | 23 46 | 23 17 | 5 8 | 19 29 | 2 21 | 24 22 | 1 34 | 7 49 | 0 9 | 0 17 | 1 11 | 12 53 | 2 33 | 18 24 | 0 46 | 4 9 | 2 3 | 33 22 | 16 27 | 14 35 | 14 7 | 0 56 | | n.a. |
| F 5 | 23 49 | 18 47 | 4 58 | 19 50 | 2 5 | 24 12 | 1 33 | 7 34 | 0 10 | 0 16 | 1 11 | 12 54 | 2 33 | 18 23 | 0 46 | 4 9 | 2 3 | 33 21 | 16 26 | 14 33 | 14 6 | 0 53 | | n.a. |
| S 6 | 23 51 | 13 14 | 4 30 | 20 12 | 1 49 | 24 1 | 1 33 | 7 18 | 0 12 | 0 14 | 1 10 | 12 54 | 2 33 | 18 22 | 0 46 | 4 8 | 2 3 | 33 20 | 16 26 | 14 32 | 14 5 | 0 49 | | n.a. |
| S 7 | 23 53 | 6 59 | 3 46 | 20 35 | 1 33 | 23 50 | 1 33 | 7 2 | 0 13 | 0 12 | 1 10 | 12 55 | 2 34 | 18 22 | 0 46 | 4 8 | 2 2 | 33 19 | 16 26 | 14 32 | 14 4 | 0 46 | | n.a. |
| M 8 | 23 54 | 0 22 | 2 47 | 20 59 | 1 17 | 23 38 | 1 33 | 6 46 | 0 14 | 0 10 | 1 10 | 12 55 | 2 34 | 18 21 | 0 46 | 4 8 | 2 2 | 33 18 | 16 25 | 14 32 | 14 2 | 0 42 | | n.a. |
| T 9 | 23 55 | 6s17 | 1 39 | 21 24 | 1 1 | 23 25 | 1 32 | 6 30 | 0 15 | 0 8 | 1 9 | 12 56 | 2 34 | 18 20 | 0 46 | 4 8 | 2 2 | 33 17 | 16 25 | 14 32 | 14 1 | 0 39 | | n.a. |
| W10 | 23 55 | 12 38 | 0 24 | 21 49 | 0 46 | 23 11 | 1 32 | 6 14 | 0 16 | 0 6 | 1 9 | 12 56 | 2 35 | 18 19 | 0 46 | 4 8 | 2 2 | 33 16 | 16 25 | 14 32 | 14 0 | 0 36 | | n.a. |
| T 11 | 23 55 | 18 19 | 0s51 | 22 13 | 0 31 | 22 57 | 1 31 | 5 58 | 0 17 | 0 4 | 1 9 | 12 57 | 2 35 | 18 18 | 0 46 | 4 8 | 2 2 | 33 16 | 16 24 | 14 32 | 13 59 | 0 32 | | n.a. |
| F 12 | 23 55 | 22 58 | 2 3 | 22 38 | 0 17 | 22 42 | 1 30 | 5 41 | 0 19 | 0 2 | 1 9 | 12 57 | 2 35 | 18 17 | 0 46 | 4 8 | 2 2 | 33 15 | 16 24 | 14 32 | 13 58 | 0 29 | | n.a. |
| S 13 | 23 54 | 26 15 | 3 7 | 23 1 | 0 3 | 22 27 | 1 30 | 5 25 | 0 20 | 0s 0 | 1 8 | 12 58 | 2 35 | 18 16 | 0 46 | 4 9 | 2 2 | 33 14 | 16 24 | 14 30 | 13 57 | 0 26 | | n.a. |
| S 14 | 23 53 | 27 54 | 3 59 | 23 24 | 0n10 | 22 10 | 1 29 | 5 9 | 0 21 | 0 3 | 1 8 | 12 59 | 2 36 | 18 15 | 0 46 | 4 9 | 2 2 | 33 13 | 16 23 | 14 28 | 13 56 | 0 22 | | n.a. |
| M15 | 23 51 | 27 52 | 4 36 | 23 45 | 0 22 | 21 54 | 1 28 | 4 52 | 0 22 | 0 5 | 1 8 | 12 59 | 2 36 | 18 14 | 0 46 | 4 9 | 2 2 | 33 12 | 16 23 | 14 25 | 13 55 | 0 19 | | n.a. |
| T 16 | 23 49 | 26 14 | 4 58 | 24 5 | 0 34 | 21 36 | 1 27 | 4 35 | 0 23 | 0 7 | 1 7 | 13 0 | 2 36 | 18 13 | 0 46 | 4 9 | 2 2 | 33 11 | 16 23 | 14 22 | 13 54 | 0 15 | | n.a. |
| W17 | 23 46 | 23 16 | 5 4 | 24 23 | 0 45 | 21 18 | 1 26 | 4 19 | 0 24 | 0 10 | 1 7 | 13 1 | 2 37 | 18 13 | 0 45 | 4 9 | 2 2 | 33 10 | 16 23 | 14 18 | 13 53 | 0 12 | | n.a. |
| T 18 | 23 43 | 19 16 | 4 55 | 24 40 | 0 55 | 20 59 | 1 25 | 4 2 | 0 25 | 0 12 | 1 7 | 13 2 | 2 37 | 18 12 | 0 45 | 4 9 | 2 2 | 33 10 | 16 22 | 14 15 | 13 52 | 0 9 | | n.a. |
| F 19 | 23 40 | 14 32 | 4 33 | 24 54 | 1 4 | 20 40 | 1 23 | 3 45 | 0 26 | 0 15 | 1 6 | 13 3 | 2 37 | 18 11 | 0 45 | 4 9 | 2 2 | 33 9 | 16 22 | 14 13 | 13 51 | 0 5 | | n.a. |
| S 20 | 23 36 | 9 20 | 3 58 | 25 5 | 1 12 | 20 20 | 1 22 | 3 28 | 0 27 | 0 18 | 1 6 | 13 4 | 2 37 | 18 10 | 0 45 | 4 9 | 2 2 | 33 8 | 16 22 | 14 11 | 13 50 | 0 2 | | n.a. |
| S 21 | 23 32 | 3 51 | 3 14 | 25 15 | 1 19 | 20 0 | 1 21 | 3 11 | 0 28 | 0 20 | 1 6 | 13 5 | 2 38 | 18 9 | 0 45 | 4 9 | 2 1 | 33 7 | 16 22 | 14 10 | 13 49 | 0n 2 | | n.a. |
| M22 | 23 27 | 1n43 | 2 21 | 25 21 | 1 26 | 19 39 | 1 20 | 2 54 | 0 29 | 0 23 | 1 6 | 13 6 | 2 38 | 18 8 | 0 45 | 4 9 | 2 1 | 33 6 | 16 21 | 14 10 | 13 47 | 0 5 | | n.a. |
| T 23 | 23 22 | 7 15 | 1 23 | 25 26 | 1 32 | 19 17 | 1 18 | 2 37 | 0 30 | 0 26 | 1 5 | 13 7 | 2 38 | 18 7 | 0 45 | 4 10 | 2 1 | 33 5 | 16 21 | 14 10 | 13 46 | 0 8 | | n.a. |
| W24 | 23 16 | 12 35 | 0 20 | 25 27 | 1 36 | 18 55 | 1 16 | 2 20 | 0 31 | 0 29 | 1 5 | 13 8 | 2 39 | 18 6 | 0 45 | 4 10 | 2 1 | 33 4 | 16 21 | 14 10 | 13 45 | 0 12 | | n.a. |
| T 25 | 23 10 | 17 31 | 0n44 | 25 26 | 1 40 | 18 33 | 1 15 | 2 3 | 0 32 | 0 32 | 1 5 | 13 9 | 2 39 | 18 5 | 0 45 | 4 10 | 2 1 | 33 3 | 16 21 | 14 10 | 13 44 | 0 15 | | n.a. |
| F 26 | 23 4 | 21 50 | 1 48 | 25 23 | 1 43 | 18 10 | 1 13 | 1 46 | 0 33 | 0 35 | 1 5 | 13 10 | 2 39 | 18 4 | 0 45 | 4 10 | 2 1 | 33 3 | 16 20 | 14 9 | 13 43 | 0 18 | | n.a. |
| S 27 | 22 57 | 25 15 | 2 48 | 25 17 | 1 46 | 17 46 | 1 11 | 1 28 | 0 34 | 0 38 | 1 4 | 13 11 | 2 39 | 18 3 | 0 45 | 4 10 | 2 1 | 33 2 | 16 20 | 14 8 | 13 42 | 0 22 | | n.a. |
| S 28 | 22 50 | 27 26 | 3 40 | 25 8 | 1 47 | 17 22 | 1 10 | 1 11 | 0 35 | 0 41 | 1 4 | 13 12 | 2 40 | 18 2 | 0 45 | 4 11 | 2 1 | 33 1 | 16 20 | 14 6 | 13 41 | 0 25 | | n.a. |
| M29 | 22 42 | 28 6 | 4 22 | 24 58 | 1 48 | 16 58 | 1 8 | 0 54 | 0 36 | 0 44 | 1 4 | 13 13 | 2 40 | 18 1 | 0 45 | 4 11 | 2 1 | 33 0 | 16 20 | 14 3 | 13 40 | 0 29 | | n.a. |
| T 30 | 22 34 | 27 3 | 4 50 | 24 45 | 1 49 | 16 33 | 1 6 | 0 36 | 0 37 | 0 47 | 1 3 | 13 15 | 2 40 | 17 59 | 0 45 | 4 11 | 2 1 | 32 59 | 16 20 | 13 59 | 13 39 | 0 32 | | n.a. |
| W31 | 22n25 | 24n18 | 5n 1 | 24n30 | 1n49 | 16n 7 | 1n 4 | 0n19 | 0s38 | 0s51 | 1n 3 | 13s16 | 2s40 | 17n58 | 0n45 | 4s11 | 2n 1 | 32n58 | 16n20 | 13n55 | 13n38 | 0n35 | | n.a. |

Julian Day Number = 998409.5, Delta T = 12h54m07s
Ecliptic obliquity = 23°55'26, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'54, Lahiri = -31°14'53 Julian Calendar 1 July 1980 BCE == Greg. Calendar 14 June 1980 BCE


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## AUGUST 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 31 21 | 20♋48'27 | 19♌ 8 | 19♋44 | 21♌12 | 28♍29 | 4♎35 | 2°R29 | 13♌ 4 | 15♎ 3 | 12♌27 | 6°R12 | 5♉29 | 7♈ 8 | n.a. | T 1 |
| F 2 | 19 35 17 | 21°47'08 | 3♍30 | 21°36 | 22°25 | 29°11 | 4°43 | 2♓26 | 13° 7 | 15° 4 | 12°30 | 6♉ 3 | 5°25 | 7°15 | n.a. | F 2 |
| S 3 | 19 39 14 | 22°45'50 | 17°52 | 23°27 | 23°38 | 29°52 | 4°51 | 2°23 | 13°11 | 15° 4 | 12°32 | 5°57 | 5°22 | 7°21 | n.a. | S 3 |
| S 4 | 19 43 10 | 23°44'34 | 2♎12 | 25°18 | 24°52 | 0♎34 | 4°59 | 2°20 | 13°14 | 15° 5 | 12°34 | 5°53 | 5°19 | 7°28 | n.a. | S 4 |
| M 5 | 19 47 7 | 24°43'20 | 16°24 | 27° 7 | 26° 5 | 1°16 | 5° 7 | 2°16 | 13°18 | 15° 6 | 12°36 | 5°52 | 5°16 | 7°35 | n.a. | M 5 |
| T 6 | 19 51 4 | 25°42'07 | 0♏29 | 28°55 | 27°18 | 1°57 | 5°16 | 2°13 | 13°22 | 15° 6 | 12°39 | 5°52 | 5°13 | 7°41 | n.a. | T 6 |
| W 7 | 19 55 0 | 26°40'57 | 14°24 | 0♌43 | 28°31 | 2°39 | 5°24 | 2°10 | 13°25 | 15° 7 | 12°41 | 5°51 | 5° 9 | 7°48 | n.a. | W 7 |
| T 8 | 19 58 57 | 27°39'49 | 28°11 | 2°29 | 29°44 | 3°21 | 5°33 | 2° 6 | 13°29 | 15° 8 | 12°43 | 5°50 | 5° 6 | 7°55 | n.a. | T 8 |
| F 9 | 20 2 53 | 28°38'42 | 11♐49 | 4°14 | 0♏57 | 4° 3 | 5°41 | 2° 3 | 13°33 | 15° 9 | 12°45 | 5°46 | 5° 3 | 8° 1 | n.a. | F 9 |
| S 10 | 20 6 50 | 29°37'38 | 25°18 | 5°59 | 2°10 | 4°46 | 5°50 | 1°59 | 13°37 | 15°10 | 12°48 | 5°40 | 5° 0 | 8° 8 | n.a. | S 10 |
| S 11 | 20 10 46 | 0♌36'35 | 8♑36 | 7°42 | 3°23 | 5°28 | 5°59 | 1°55 | 13°40 | 15°11 | 12°50 | 5°30 | 4°57 | 8°15 | n.a. | S 11 |
| M12 | 20 14 43 | 1°35'35 | 21°42 | 9°25 | 4°35 | 6°10 | 6° 8 | 1°51 | 13°44 | 15°11 | 12°52 | 5°18 | 4°54 | 8°21 | n.a. | M12 |
| T 13 | 20 18 39 | 2°34'37 | 4♒35 | 11° 7 | 5°48 | 6°53 | 6°17 | 1°48 | 13°48 | 15°12 | 12°55 | 5° 5 | 4°50 | 8°28 | n.a. | T 13 |
| W14 | 20 22 36 | 3°33'41 | 17°15 | 12°47 | 7° 1 | 7°35 | 6°27 | 1°44 | 13°52 | 15°13 | 12°57 | 4°52 | 4°47 | 8°35 | n.a. | W14 |
| T 15 | 20 26 32 | 4°32'47 | 29°40 | 14°27 | 8°14 | 8°18 | 6°36 | 1°40 | 13°55 | 15°14 | 12°59 | 4°39 | 4°44 | 8°41 | n.a. | T 15 |
| F 16 | 20 30 29 | 5°31'56 | 11♓52 | 16° 6 | 9°27 | 9° 1 | 6°45 | 1°36 | 13°59 | 15°15 | 13° 2 | 4°29 | 4°41 | 8°48 | n.a. | F 16 |
| S 17 | 20 34 26 | 6°31'07 | 23°52 | 17°44 | 10°39 | 9°44 | 6°55 | 1°31 | 14° 3 | 15°17 | 13° 4 | 4°21 | 4°38 | 8°55 | n.a. | S 17 |
| S 18 | 20 38 22 | 7°30'20 | 5♈44 | 19°21 | 11°52 | 10°27 | 7° 5 | 1°27 | 14° 7 | 15°18 | 13° 6 | 4°16 | 4°35 | 9° 1 | n.a. | S 18 |
| M19 | 20 42 19 | 8°29'36 | 17°32 | 20°57 | 13° 5 | 11°10 | 7°15 | 1°23 | 14°10 | 15°19 | 13° 8 | 4°13 | 4°31 | 9° 8 | n.a. | M19 |
| T 20 | 20 46 15 | 9°28'54 | 29°20 | 22°33 | 14°17 | 11°53 | 7°24 | 1°19 | 14°14 | 15°20 | 13°11 | 4°12 | 4°28 | 9°15 | n.a. | T 20 |
| W21 | 20 50 12 | 10°28'15 | 11♉15 | 24° 7 | 15°30 | 12°36 | 7°34 | 1°14 | 14°18 | 15°21 | 13°13 | 4°12 | 4°25 | 9°21 | n.a. | W21 |
| T 22 | 20 54 8 | 11°27'38 | 23°20 | 25°41 | 16°43 | 13°20 | 7°45 | 1°10 | 14°22 | 15°22 | 13°15 | 4°12 | 4°22 | 9°28 | n.a. | T 22 |
| F 23 | 20 58 5 | 12°27'04 | 5♊42 | 27°14 | 17°55 | 14° 3 | 7°55 | 1° 5 | 14°26 | 15°24 | 13°18 | 4°10 | 4°19 | 9°35 | n.a. | F 23 |
| S 24 | 21 2 1 | 13°26'32 | 18°26 | 28°46 | 19° 8 | 14°47 | 8° 5 | 1° 1 | 14°29 | 15°25 | 13°20 | 4° 6 | 4°15 | 9°41 | n.a. | S 24 |
| S 25 | 21 5 58 | 14°26'03 | 1♋35 | 0♍18 | 20°20 | 15°30 | 8°16 | 0°56 | 14°33 | 15°26 | 13°22 | 3°59 | 4°12 | 9°48 | n.a. | S 25 |
| M26 | 21 9 54 | 15°25'36 | 15°11 | 1°49 | 21°33 | 16°14 | 8°26 | 0°52 | 14°37 | 15°27 | 13°25 | 3°50 | 4° 9 | 9°55 | n.a. | M26 |
| T 27 | 21 13 51 | 16°25'12 | 29°13 | 3°19 | 22°45 | 16°58 | 8°37 | 0°47 | 14°41 | 15°29 | 13°27 | 3°39 | 4° 6 | 10° 1 | n.a. | T 27 |
| W28 | 21 17 48 | 17°24'50 | 13♌37 | 4°48 | 23°58 | 17°41 | 8°47 | 0°43 | 14°45 | 15°30 | 13°29 | 3°27 | 4° 3 | 10° 8 | n.a. | W28 |
| T 29 | 21 21 44 | 18°24'30 | 28°17 | 6°16 | 25°10 | 18°25 | 8°58 | 0°38 | 14°48 | 15°32 | 13°32 | 3°16 | 4° 0 | 10°15 | n.a. | T 29 |
| F 30 | 21 25 41 | 19°24'12 | 13♍ 5 | 7°44 | 26°22 | 19° 9 | 9° 9 | 0°33 | 14°52 | 15°33 | 13°34 | 3° 7 | 3°56 | 10°21 | n.a. | F 30 |
| S 31 | 21 29 37 | 20♌23'56 | 27♍52 | 9♍10 | 27♍35 | 19♎53 | 9♎20 | 0♓28 | 14♌56 | 15♎34 | 13♌36 | 3♉ 0 | 3♉53 | 10♈28 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 22n17 | 20n 1 | 4n54 | 24n13 | 1n48 | 15n41 | 1n 2 | 0n 1 | 0s39 | 0s54 | 1n 3 | 13s17 | 2s41 | 17n57 | 0n45 | 4s12 | 2n 1 | 32n58 | 16n19 | 13n51 | 13n37 | 0n39 | | | n.a. |
| F 2 | 22 7 | 14 34 | 4 28 | 23 54 | 1 46 | 15 15 | 1 0 | 0s17 | 0 40 | 0 57 | 1 3 | 13 19 | 2 41 | 17 56 | 0 45 | 4 12 | 2 1 | 32 57 | 16 19 | 13 48 | 13 36 | 0 42 | | | n.a. |
| S 3 | 21 57 | 8 20 | 3 45 | 23 33 | 1 45 | 14 49 | 0 57 | 0 34 | 0 41 | 1 1 | 1 2 | 13 20 | 2 41 | 17 55 | 0 45 | 4 12 | 2 1 | 32 56 | 16 19 | 13 46 | 13 35 | 0 46 | | | n.a. |
| S 4 | 21 47 | 1 40 | 2 48 | 23 11 | 1 42 | 14 22 | 0 55 | 0 52 | 0 42 | 1 4 | 1 2 | 13 21 | 2 41 | 17 54 | 0 45 | 4 13 | 2 0 | 32 55 | 16 19 | 13 45 | 13 33 | 0 49 | | | n.a. |
| M 5 | 21 37 | 5s 2 | 1 41 | 22 47 | 1 40 | 13 54 | 0 53 | 1 10 | 0 43 | 1 8 | 1 2 | 13 23 | 2 42 | 17 53 | 0 45 | 4 13 | 2 0 | 32 54 | 16 19 | 13 45 | 13 32 | 0 52 | | | n.a. |
| T 6 | 21 26 | 11 26 | 0 28 | 22 22 | 1 36 | 13 27 | 0 50 | 1 27 | 0 44 | 1 11 | 1 2 | 13 24 | 2 42 | 17 52 | 0 45 | 4 13 | 2 0 | 32 53 | 16 19 | 13 45 | 13 31 | 0 56 | | | n.a. |
| W 7 | 21 15 | 17 12 | 0s45 | 21 55 | 1 33 | 12 59 | 0 48 | 1 45 | 0 44 | 1 15 | 1 1 | 13 26 | 2 42 | 17 51 | 0 45 | 4 14 | 2 0 | 32 53 | 16 19 | 13 45 | 13 30 | 0 59 | | | n.a. |
| T 8 | 21 3 | 22 2 | 1 55 | 21 27 | 1 29 | 12 30 | 0 45 | 2 3 | 0 45 | 1 19 | 1 1 | 13 27 | 2 42 | 17 50 | 0 45 | 4 14 | 2 0 | 32 52 | 16 18 | 13 44 | 13 29 | 1 3 | | | n.a. |
| F 9 | 20 51 | 25 36 | 2 58 | 20 57 | 1 25 | 12 1 | 0 43 | 2 21 | 0 46 | 1 22 | 1 1 | 13 29 | 2 42 | 17 49 | 0 45 | 4 15 | 2 0 | 32 51 | 16 18 | 13 43 | 13 28 | 1 6 | | | n.a. |
| S 10 | 20 38 | 27 40 | 3 49 | 20 27 | 1 20 | 11 32 | 0 40 | 2 39 | 0 47 | 1 26 | 1 1 | 13 30 | 2 43 | 17 48 | 0 45 | 4 15 | 2 0 | 32 50 | 16 18 | 13 41 | 13 27 | 1 9 | | | n.a. |
| S 11 | 20 26 | 28 6 | 4 28 | 19 55 | 1 15 | 11 3 | 0 38 | 2 57 | 0 48 | 1 30 | 1 0 | 13 32 | 2 43 | 17 47 | 0 45 | 4 15 | 2 0 | 32 49 | 16 18 | 13 37 | 13 26 | 1 13 | | | n.a. |
| M12 | 20 12 | 26 56 | 4 52 | 19 23 | 1 10 | 10 34 | 0 35 | 3 14 | 0 49 | 1 34 | 1 0 | 13 33 | 2 43 | 17 45 | 0 45 | 4 16 | 2 0 | 32 49 | 16 18 | 13 33 | 13 25 | 1 16 | | | n.a. |
| T 13 | 19 59 | 24 21 | 5 0 | 18 50 | 1 5 | 10 4 | 0 32 | 3 32 | 0 49 | 1 38 | 1 0 | 13 35 | 2 43 | 17 44 | 0 45 | 4 16 | 2 0 | 32 48 | 16 18 | 13 29 | 13 24 | 1 20 | | | n.a. |
| W14 | 19 45 | 20 37 | 4 53 | 18 16 | 0 59 | 9 34 | 0 29 | 3 50 | 0 50 | 1 42 | 1 0 | 13 37 | 2 43 | 17 43 | 0 45 | 4 17 | 2 0 | 32 47 | 16 18 | 13 24 | 13 23 | 1 23 | | | n.a. |
| T 15 | 19 31 | 16 3 | 4 32 | 17 41 | 0 54 | 9 3 | 0 26 | 4 8 | 0 51 | 1 46 | 1 0 | 13 38 | 2 44 | 17 42 | 0 45 | 4 17 | 2 0 | 32 46 | 16 18 | 13 20 | 13 22 | 1 26 | | | n.a. |
| F 16 | 19 16 | 10 55 | 3 59 | 17 5 | 0 48 | 8 33 | 0 23 | 4 26 | 0 52 | 1 50 | 0 59 | 13 40 | 2 44 | 17 41 | 0 45 | 4 18 | 2 0 | 32 45 | 16 18 | 13 16 | 13 20 | 1 30 | | | n.a. |
| S 17 | 19 1 | 5 28 | 3 16 | 16 29 | 0 41 | 8 2 | 0 21 | 4 44 | 0 53 | 1 54 | 0 59 | 13 42 | 2 44 | 17 40 | 0 45 | 4 18 | 2 0 | 32 45 | 16 18 | 13 14 | 13 19 | 1 33 | | | n.a. |
| S 18 | 18 46 | 0n 7 | 2 25 | 15 52 | 0 35 | 7 31 | 0 18 | 5 2 | 0 53 | 1 58 | 0 59 | 13 43 | 2 44 | 17 39 | 0 45 | 4 19 | 2 0 | 32 44 | 16 18 | 13 12 | 13 18 | 1 37 | | | n.a. |
| M19 | 18 30 | 5 41 | 1 27 | 15 15 | 0 29 | 7 0 | 0 14 | 5 20 | 0 54 | 2 2 | 0 59 | 13 45 | 2 44 | 17 38 | 0 45 | 4 19 | 1 59 | 32 43 | 16 18 | 13 11 | 13 17 | 1 40 | | | n.a. |
| T 20 | 18 14 | 11 4 | 0 26 | 14 38 | 0 22 | 6 29 | 0 11 | 5 38 | 0 55 | 2 6 | 0 58 | 13 47 | 2 45 | 17 37 | 0 45 | 4 20 | 1 59 | 32 42 | 16 18 | 13 11 | 13 16 | 1 43 | | | n.a. |
| W21 | 17 58 | 16 6 | 0n37 | 13 59 | 0 15 | 5 57 | 0 8 | 5 56 | 0 55 | 2 11 | 0 58 | 13 48 | 2 45 | 17 35 | 0 45 | 4 20 | 1 59 | 32 42 | 16 18 | 13 11 | 13 15 | 1 47 | | | n.a. |
| T 22 | 17 42 | 20 35 | 1 40 | 13 21 | 0 9 | 5 26 | 0 5 | 6 13 | 0 56 | 2 15 | 0 58 | 13 50 | 2 45 | 17 34 | 0 45 | 4 21 | 1 59 | 32 41 | 16 18 | 13 11 | 13 14 | 1 50 | | | n.a. |
| F 23 | 17 25 | 24 17 | 2 39 | 12 42 | 0 2 | 4 54 | 0 2 | 6 31 | 0 57 | 2 19 | 0 58 | 13 52 | 2 45 | 17 33 | 0 45 | 4 21 | 1 59 | 32 40 | 16 18 | 13 10 | 13 13 | 1 54 | | | n.a. |
| S 24 | 17 7 | 26 55 | 3 31 | 12 3 | 0s 5 | 4 22 | 0s 1 | 6 49 | 0 58 | 2 24 | 0 58 | 13 54 | 2 45 | 17 32 | 0 45 | 4 22 | 1 59 | 32 40 | 16 18 | 13 8 | 13 12 | 1 57 | | | n.a. |
| S 25 | 16 50 | 28 10 | 4 15 | 11 24 | 0 12 | 3 50 | 0 5 | 7 7 | 0 58 | 2 28 | 0 57 | 13 56 | 2 45 | 17 31 | 0 45 | 4 22 | 1 59 | 32 39 | 16 18 | 13 6 | 13 11 | 2 0 | | | n.a. |
| M26 | 16 32 | 27 46 | 4 46 | 10 45 | 0 19 | 3 18 | 0 8 | 7 25 | 0 59 | 2 32 | 0 57 | 13 57 | 2 45 | 17 30 | 0 45 | 4 23 | 1 59 | 32 38 | 16 18 | 13 3 | 13 10 | 2 4 | | | n.a. |
| T 27 | 16 14 | 25 37 | 5 0 | 10 5 | 0 26 | 2 46 | 0 11 | 7 42 | 1 0 | 2 37 | 0 57 | 13 59 | 2 45 | 17 29 | 0 45 | 4 23 | 1 59 | 32 37 | 16 18 | 12 59 | 13 8 | 2 7 | | | n.a. |
| W28 | 15 56 | 21 48 | 4 56 | 9 26 | 0 33 | 2 13 | 0 14 | 8 0 | 1 0 | 2 41 | 0 57 | 14 1 | 2 46 | 17 27 | 0 45 | 4 24 | 1 59 | 32 37 | 16 18 | 12 55 | 13 7 | 2 11 | | | n.a. |
| T 29 | 15 37 | 16 34 | 4 33 | 8 46 | 0 41 | 1 41 | 0 18 | 8 18 | 1 1 | 2 46 | 0 56 | 14 3 | 2 46 | 17 26 | 0 45 | 4 25 | 1 59 | 32 36 | 16 18 | 12 51 | 13 6 | 2 14 | | | n.a. |
| F 30 | 15 18 | 10 20 | 3 52 | 8 6 | 0 48 | 1 9 | 0 21 | 8 36 | 1 1 | 2 50 | 0 56 | 14 5 | 2 46 | 17 25 | 0 45 | 4 25 | 1 59 | 32 35 | 16 18 | 12 48 | 13 5 | 2 17 | | | n.a. |
| S 31 | 14n59 | 3n31 | 2n54 | 7n27 | 0s55 | 0n36 | 0s25 | 8s53 | 1s 2 | 2s55 | 0n56 | 14s 6 | 2s46 | 17n24 | 0n45 | 4s26 | 1n59 | 32n35 | 16n18 | 12n46 | 13n 4 | 2n21 | | | n.a. |

Julian Day Number = 998440.5, Delta T = 12h54m05s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'50, Lahiri = -31°14'49 Julian Calendar 1 Aug. 1980 BCE == Greg. Calendar 15 July 1980 BCE

The year -1979 astronomical counting style corresponds to year 1980 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## SEPTEMBER 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 33 34 | 21♌23'42 | 12♎32 | 10♍36 | 28♍47 | 20♎38 | 9♎31 | 0°R24 | 15♌ 0 | 15♎36 | 13♌39 | 2°R56 | 3♉50 | 10♈35 | n.a. | S 1 |
| M 2 | 21 37 30 | 22°23'30 | 27° 0 | 12° 1 | 29°59 | 21°22 | 9°42 | 0♓19 | 15° 4 | 15°37 | 13°41 | 2°D55 | 3°47 | 10°41 | n.a. | M 2 |
| T 3 | 21 41 27 | 23°23'20 | 11♏12 | 13°26 | 1♎11 | 22° 6 | 9°54 | 0°14 | 15° 7 | 15°39 | 13°43 | 2♉55 | 3°44 | 10°48 | n.a. | T 3 |
| W 4 | 21 45 23 | 24°23'12 | 25° 7 | 14°49 | 2°23 | 22°51 | 10° 5 | 0° 9 | 15°11 | 15°41 | 13°46 | 2°R55 | 3°40 | 10°55 | n.a. | W 4 |
| T 5 | 21 49 20 | 25°23'06 | 8♐45 | 16°11 | 3°35 | 23°35 | 10°16 | 0° 4 | 15°15 | 15°42 | 13°48 | 2°54 | 3°37 | 11° 1 | n.a. | T 5 |
| F 6 | 21 53 16 | 26°23'01 | 22° 9 | 17°33 | 4°47 | 24°20 | 10°28 | 29♒59 | 15°19 | 15°44 | 13°50 | 2°52 | 3°34 | 11° 8 | n.a. | F 6 |
| S 7 | 21 57 13 | 27°22'59 | 5♑19 | 18°53 | 5°59 | 25° 4 | 10°40 | 29°54 | 15°22 | 15°45 | 13°53 | 2°46 | 3°31 | 11°15 | n.a. | S 7 |
| S 8 | 22 1 10 | 28°22'58 | 18°16 | 20°12 | 7°11 | 25°49 | 10°51 | 29°50 | 15°26 | 15°47 | 13°55 | 2°38 | 3°28 | 11°21 | n.a. | S 8 |
| M 9 | 22 5 6 | 29°22'59 | 1♒ 1 | 21°30 | 8°23 | 26°33 | 11° 3 | 29°45 | 15°30 | 15°49 | 13°57 | 2°28 | 3°25 | 11°28 | n.a. | M 9 |
| T 10 | 22 9 3 | 0♍23'03 | 13°36 | 22°47 | 9°35 | 27°18 | 11°15 | 29°40 | 15°34 | 15°50 | 13°59 | 2°16 | 3°21 | 11°35 | n.a. | T 10 |
| W11 | 22 12 59 | 1°23'08 | 25°59 | 24° 2 | 10°47 | 28° 3 | 11°27 | 29°35 | 15°37 | 15°52 | 14° 2 | 2° 5 | 3°18 | 11°41 | n.a. | W11 |
| T 12 | 22 16 56 | 2°23'15 | 8♓12 | 25°16 | 11°59 | 28°48 | 11°39 | 29°30 | 15°41 | 15°54 | 14° 4 | 1°54 | 3°15 | 11°48 | n.a. | T 12 |
| F 13 | 22 20 52 | 3°23'24 | 20°15 | 26°28 | 13°10 | 29°33 | 11°51 | 29°25 | 15°45 | 15°56 | 14° 6 | 1°44 | 3°12 | 11°55 | n.a. | F 13 |
| S 14 | 22 24 49 | 4°23'35 | 2♈10 | 27°38 | 14°22 | 0♏18 | 12° 3 | 29°20 | 15°48 | 15°57 | 14° 8 | 1°38 | 3° 9 | 12° 1 | n.a. | S 14 |
| S 15 | 22 28 45 | 5°23'48 | 13°59 | 28°46 | 15°33 | 1° 3 | 12°15 | 29°15 | 15°52 | 15°59 | 14°11 | 1°33 | 3° 6 | 12° 8 | n.a. | S 15 |
| M16 | 22 32 42 | 6°24'03 | 25°46 | 29°52 | 16°45 | 1°48 | 12°27 | 29°11 | 15°56 | 16° 1 | 14°13 | 1°32 | 3° 2 | 12°14 | n.a. | M16 |
| T 17 | 22 36 39 | 7°24'21 | 7♉33 | 0♎56 | 17°56 | 2°33 | 12°39 | 29° 6 | 15°59 | 16° 3 | 14°15 | 1°D32 | 2°59 | 12°21 | n.a. | T 17 |
| W18 | 22 40 35 | 8°24'41 | 19°26 | 1°57 | 19° 8 | 3°19 | 12°52 | 29° 1 | 16° 3 | 16° 5 | 14°17 | 1°33 | 2°56 | 12°28 | n.a. | W18 |
| T 19 | 22 44 32 | 9°25'03 | 1♊29 | 2°54 | 20°19 | 4° 4 | 13° 4 | 28°56 | 16° 7 | 16° 7 | 14°19 | 1°34 | 2°53 | 12°34 | n.a. | T 19 |
| F 20 | 22 48 28 | 10°25'27 | 13°48 | 3°48 | 21°30 | 4°49 | 13°16 | 28°51 | 16°10 | 16° 9 | 14°22 | 1°R34 | 2°50 | 12°41 | n.a. | F 20 |
| S 21 | 22 52 25 | 11°25'53 | 26°28 | 4°39 | 22°41 | 5°35 | 13°29 | 28°47 | 16°14 | 16°11 | 14°24 | 1°33 | 2°46 | 12°48 | n.a. | S 21 |
| S 22 | 22 56 21 | 12°26'22 | 9♋33 | 5°25 | 23°52 | 6°20 | 13°42 | 28°42 | 16°17 | 16°13 | 14°26 | 1°29 | 2°43 | 12°54 | n.a. | S 22 |
| M23 | 23 0 18 | 13°26'53 | 23° 7 | 6° 6 | 25° 3 | 7° 6 | 13°54 | 28°37 | 16°21 | 16°14 | 14°28 | 1°24 | 2°40 | 13° 1 | n.a. | M23 |
| T 24 | 23 4 14 | 14°27'25 | 7♌10 | 6°42 | 26°14 | 7°51 | 14° 7 | 28°33 | 16°24 | 16°16 | 14°30 | 1°17 | 2°37 | 13° 8 | n.a. | T 24 |
| W25 | 23 8 11 | 15°28'00 | 21°40 | 7°12 | 27°25 | 8°37 | 14°20 | 28°28 | 16°28 | 16°18 | 14°32 | 1°10 | 2°34 | 13°14 | n.a. | W25 |
| T 26 | 23 12 7 | 16°28'36 | 6♍31 | 7°36 | 28°36 | 9°23 | 14°32 | 28°24 | 16°31 | 16°20 | 14°34 | 1° 2 | 2°31 | 13°21 | n.a. | T 26 |
| F 27 | 23 16 4 | 17°29'14 | 21°36 | 7°52 | 29°47 | 10° 8 | 14°45 | 28°19 | 16°34 | 16°23 | 14°36 | 0°56 | 2°27 | 13°28 | n.a. | F 27 |
| S 28 | 23 20 1 | 18°29'54 | 6♎44 | 8°R 0 | 0♏58 | 10°54 | 14°58 | 28°15 | 16°38 | 16°25 | 14°38 | 0°52 | 2°24 | 13°34 | n.a. | S 28 |
| S 29 | 23 23 57 | 19°30'36 | 21°47 | 7°59 | 2° 8 | 11°40 | 15°11 | 28°10 | 16°41 | 16°27 | 14°40 | 0°50 | 2°21 | 13°41 | n.a. | S 29 |
| M30 | 23 27 54 | 20♍31'18 | 6♏36 | 7♎49 | 3♏19 | 12♏26 | 15♎24 | 28♒ 6 | 16♌45 | 16♎29 | 14♌42 | 0°D50 | 2♉18 | 13♈48 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n39 | 3s26 | 1n46 | 6n47 | 1s 2 | 0n 4 | 0s28 | 9s11 | 1s 3 | 3s 0 | 0n56 | 14s 8 | 2s46 | 17n23 | 0n45 | 4s26 | 1n59 | 32n34 | 16n18 | 12n44 | 13n 3 | 2n24 | | n.a. |
| M 2 | 14 20 | 10 7 | 0 31 | 6 8 | 1 9 | 0s28 | 0 31 | 9 28 | 1 3 | 3 4 | 0 56 | 14 10 | 2 46 | 17 22 | 0 45 | 4 27 | 1 59 | 32 34 | 16 19 | 12 44 | 13 2 | 2 28 | | n.a. |
| T 3 | 14 0 | 16 11 | 0s44 | 5 28 | 1 16 | 1 1 | 0 35 | 9 46 | 1 4 | 3 9 | 0 56 | 14 12 | 2 46 | 17 21 | 0 45 | 4 28 | 1 59 | 32 33 | 16 19 | 12 44 | 13 1 | 2 31 | | n.a. |
| W 4 | 13 40 | 21 17 | 1 55 | 4 49 | 1 23 | 1 33 | 0 38 | 10 3 | 1 4 | 3 14 | 0 55 | 14 14 | 2 46 | 17 20 | 0 45 | 4 28 | 1 58 | 32 32 | 16 19 | 12 44 | 13 0 | 2 34 | | n.a. |
| T 5 | 13 19 | 25 9 | 2 58 | 4 11 | 1 30 | 2 6 | 0 42 | 10 20 | 1 5 | 3 18 | 0 55 | 14 15 | 2 46 | 17 18 | 0 45 | 4 29 | 1 58 | 32 32 | 16 19 | 12 44 | 12 59 | 2 38 | | n.a. |
| F 6 | 12 58 | 27 31 | 3 51 | 3 32 | 1 37 | 2 38 | 0 45 | 10 38 | 1 6 | 3 23 | 0 55 | 14 17 | 2 46 | 17 17 | 0 45 | 4 30 | 1 58 | 32 31 | 16 19 | 12 43 | 12 57 | 2 41 | | n.a. |
| S 7 | 12 38 | 28 18 | 4 29 | 2 54 | 1 44 | 3 10 | 0 49 | 10 55 | 1 6 | 3 28 | 0 55 | 14 19 | 2 46 | 17 16 | 0 45 | 4 30 | 1 58 | 32 30 | 16 19 | 12 41 | 12 56 | 2 45 | | n.a. |
| S 8 | 12 16 | 27 30 | 4 54 | 2 16 | 1 50 | 3 42 | 0 52 | 11 12 | 1 7 | 3 33 | 0 55 | 14 21 | 2 46 | 17 15 | 0 45 | 4 31 | 1 58 | 32 30 | 16 19 | 12 38 | 12 55 | 2 48 | | n.a. |
| M 9 | 11 55 | 25 15 | 5 3 | 1 39 | 1 57 | 4 15 | 0 56 | 11 29 | 1 7 | 3 38 | 0 54 | 14 23 | 2 46 | 17 14 | 0 45 | 4 32 | 1 58 | 32 29 | 16 20 | 12 34 | 12 54 | 2 51 | | n.a. |
| T 10 | 11 34 | 21 49 | 4 57 | 1 3 | 2 3 | 4 47 | 0 59 | 11 46 | 1 8 | 3 42 | 0 54 | 14 25 | 2 46 | 17 13 | 0 45 | 4 33 | 1 58 | 32 29 | 16 20 | 12 30 | 12 53 | 2 55 | | n.a. |
| W11 | 11 12 | 17 27 | 4 38 | 0 27 | 2 9 | 5 18 | 1 3 | 12 3 | 1 8 | 3 47 | 0 54 | 14 26 | 2 47 | 17 12 | 0 45 | 4 33 | 1 58 | 32 28 | 16 20 | 12 26 | 12 52 | 2 58 | | n.a. |
| T 12 | 10 50 | 12 26 | 4 5 | 0s 8 | 2 15 | 5 50 | 1 6 | 12 20 | 1 9 | 3 52 | 0 54 | 14 28 | 2 47 | 17 11 | 0 45 | 4 34 | 1 58 | 32 28 | 16 20 | 12 22 | 12 51 | 3 2 | | n.a. |
| F 13 | 10 28 | 7 2 | 3 22 | 0 42 | 2 20 | 6 22 | 1 10 | 12 37 | 1 9 | 3 57 | 0 54 | 14 30 | 2 47 | 17 9 | 0 45 | 4 35 | 1 58 | 32 27 | 16 20 | 12 19 | 12 50 | 3 5 | | n.a. |
| S 14 | 10 6 | 1 25 | 2 31 | 1 16 | 2 26 | 6 53 | 1 13 | 12 53 | 1 10 | 4 2 | 0 54 | 14 32 | 2 47 | 17 8 | 0 45 | 4 36 | 1 58 | 32 27 | 16 21 | 12 17 | 12 49 | 3 8 | | n.a. |
| S 15 | 9 43 | 4n12 | 1 33 | 1 48 | 2 31 | 7 25 | 1 16 | 13 10 | 1 10 | 4 7 | 0 53 | 14 33 | 2 47 | 17 7 | 0 45 | 4 36 | 1 58 | 32 26 | 16 21 | 12 15 | 12 48 | 3 12 | | n.a. |
| M16 | 9 21 | 9 40 | 0 31 | 2 19 | 2 35 | 7 56 | 1 20 | 13 26 | 1 11 | 4 12 | 0 53 | 14 35 | 2 47 | 17 6 | 0 45 | 4 37 | 1 58 | 32 26 | 16 21 | 12 15 | 12 46 | 3 15 | | n.a. |
| T 17 | 8 58 | 14 49 | 0n32 | 2 48 | 2 39 | 8 27 | 1 23 | 13 43 | 1 11 | 4 17 | 0 53 | 14 37 | 2 47 | 17 5 | 0 45 | 4 38 | 1 58 | 32 25 | 16 21 | 12 15 | 12 45 | 3 19 | | n.a. |
| W18 | 8 35 | 19 28 | 1 35 | 3 16 | 2 43 | 8 58 | 1 27 | 13 59 | 1 11 | 4 22 | 0 53 | 14 39 | 2 47 | 17 4 | 0 45 | 4 39 | 1 58 | 32 25 | 16 21 | 12 15 | 12 44 | 3 22 | | n.a. |
| T 19 | 8 12 | 23 23 | 2 34 | 3 43 | 2 47 | 9 29 | 1 30 | 14 15 | 1 12 | 4 27 | 0 53 | 14 40 | 2 46 | 17 3 | 0 45 | 4 39 | 1 58 | 32 24 | 16 22 | 12 15 | 12 43 | 3 25 | | n.a. |
| F 20 | 7 49 | 26 21 | 3 28 | 4 7 | 2 49 | 9 59 | 1 33 | 14 31 | 1 12 | 4 32 | 0 53 | 14 42 | 2 46 | 17 2 | 0 45 | 4 40 | 1 58 | 32 24 | 16 22 | 12 15 | 12 42 | 3 29 | | n.a. |
| S 21 | 7 25 | 28 5 | 4 13 | 4 30 | 2 51 | 10 29 | 1 37 | 14 47 | 1 13 | 4 37 | 0 52 | 14 44 | 2 46 | 17 1 | 0 45 | 4 41 | 1 58 | 32 23 | 16 22 | 12 15 | 12 41 | 3 32 | | n.a. |
| S 22 | 7 2 | 28 20 | 4 46 | 4 50 | 2 53 | 10 59 | 1 40 | 15 3 | 1 13 | 4 43 | 0 52 | 14 45 | 2 46 | 17 0 | 0 45 | 4 42 | 1 58 | 32 23 | 16 23 | 12 14 | 12 40 | 3 36 | | n.a. |
| M23 | 6 38 | 26 54 | 5 5 | 5 7 | 2 54 | 11 29 | 1 43 | 15 19 | 1 13 | 4 48 | 0 52 | 14 47 | 2 46 | 16 59 | 0 45 | 4 43 | 1 58 | 32 22 | 16 23 | 12 12 | 12 39 | 3 39 | | n.a. |
| T 24 | 6 14 | 23 47 | 5 7 | 5 21 | 2 53 | 11 58 | 1 46 | 15 34 | 1 14 | 4 53 | 0 52 | 14 48 | 2 46 | 16 58 | 0 45 | 4 43 | 1 58 | 32 22 | 16 23 | 12 9 | 12 38 | 3 42 | | n.a. |
| W25 | 5 50 | 19 7 | 4 49 | 5 32 | 2 52 | 12 28 | 1 49 | 15 50 | 1 14 | 4 58 | 0 52 | 14 50 | 2 46 | 16 57 | 0 45 | 4 44 | 1 58 | 32 22 | 16 23 | 12 7 | 12 36 | 3 46 | | n.a. |
| T 26 | 5 26 | 13 11 | 4 12 | 5 40 | 2 50 | 12 56 | 1 53 | 16 5 | 1 15 | 5 3 | 0 52 | 14 51 | 2 46 | 16 56 | 0 45 | 4 45 | 1 57 | 32 21 | 16 24 | 12 4 | 12 35 | 3 49 | | n.a. |
| F 27 | 5 2 | 6 24 | 3 16 | 5 43 | 2 46 | 13 25 | 1 56 | 16 20 | 1 15 | 5 8 | 0 51 | 14 53 | 2 46 | 16 55 | 0 46 | 4 46 | 1 57 | 32 21 | 16 24 | 12 2 | 12 34 | 3 53 | | n.a. |
| S 28 | 4 38 | 0s47 | 2 7 | 5 42 | 2 42 | 13 53 | 1 59 | 16 35 | 1 15 | 5 14 | 0 51 | 14 55 | 2 46 | 16 53 | 0 46 | 4 47 | 1 57 | 32 21 | 16 24 | 12 1 | 12 33 | 3 56 | | n.a. |
| S 29 | 4 14 | 7 54 | 0 49 | 5 36 | 2 35 | 14 21 | 2 2 | 16 50 | 1 15 | 5 19 | 0 51 | 14 56 | 2 46 | 16 52 | 0 46 | 4 47 | 1 57 | 32 20 | 16 25 | 12 0 | 12 32 | 3 59 | | n.a. |
| M30 | 3n50 | 14s29 | 0s31 | 5s25 | 2s28 | 14s49 | 2s 4 | 17s 5 | 1s16 | 5s24 | 0n51 | 14s57 | 2s46 | 16n51 | 0n46 | 4s48 | 1n57 | 32n20 | 16n25 | 12n 0 | 12n31 | 4n 3 | | n.a. |

Julian Day Number = 998471.5, Delta T = 12h54m03s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'46, Lahiri = -31°14'45 Julian Calendar 1 Sept. 1980 BCE == Greg. Calendar 15 Aug. 1980 BCE


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## OCTOBER 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 31 50 | 21♍32'03 | 21♏ 5 | 7°R30 | 4♏29 | 13♏12 | 15♎37 | 28°R 2 | 16♌48 | 16♎31 | 14♌44 | 0♉51 | 2♉15 | 13♈54 | n.a. | T 1 |
| W 2 | 23 35 47 | 22°32'49 | 5♐11 | 7♎ 0 | 5°40 | 13°58 | 15°50 | 27♒57 | 16°51 | 16°33 | 14°46 | 0°52 | 2°12 | 14° 1 | n.a. | W 2 |
| T 3 | 23 39 43 | 23°33'36 | 18°55 | 6°19 | 6°50 | 14°44 | 16° 3 | 27°53 | 16°54 | 16°35 | 14°48 | 0°R53 | 2° 8 | 14° 8 | n.a. | T 3 |
| F 4 | 23 43 40 | 24°34'24 | 2♑16 | 5°28 | 8° 0 | 15°30 | 16°17 | 27°49 | 16°58 | 16°37 | 14°50 | 0°53 | 2° 5 | 14°14 | n.a. | F 4 |
| S 5 | 23 47 36 | 25°35'13 | 15°18 | 4°28 | 9°10 | 16°16 | 16°30 | 27°45 | 17° 1 | 16°39 | 14°52 | 0°51 | 2° 2 | 14°21 | n.a. | S 5 |
| S 6 | 23 51 33 | 26°36'04 | 28° 3 | 3°20 | 10°20 | 17° 2 | 16°43 | 27°41 | 17° 4 | 16°41 | 14°54 | 0°48 | 1°59 | 14°28 | n.a. | S 6 |
| M 7 | 23 55 30 | 27°36'56 | 10♒34 | 2° 5 | 11°30 | 17°48 | 16°56 | 27°37 | 17° 7 | 16°44 | 14°56 | 0°43 | 1°56 | 14°34 | n.a. | M 7 |
| T 8 | 23 59 26 | 28°37'49 | 22°53 | 0°45 | 12°40 | 18°34 | 17°10 | 27°34 | 17°10 | 16°46 | 14°58 | 0°37 | 1°52 | 14°41 | n.a. | T 8 |
| W 9 | 0 3 23 | 29°38'43 | 5♓ 1 | 29♏23 | 13°49 | 19°20 | 17°23 | 27°30 | 17°13 | 16°48 | 14°59 | 0°31 | 1°49 | 14°48 | n.a. | W 9 |
| T 10 | 0 7 19 | 0♎39'38 | 17° 2 | 28° 2 | 14°59 | 20° 7 | 17°36 | 27°26 | 17°16 | 16°50 | 15° 1 | 0°26 | 1°46 | 14°54 | n.a. | T 10 |
| F 11 | 0 11 16 | 1°40'35 | 28°57 | 26°44 | 16° 8 | 20°53 | 17°50 | 27°23 | 17°19 | 16°52 | 15° 3 | 0°21 | 1°43 | 15° 1 | n.a. | F 11 |
| S 12 | 0 15 12 | 2°41'33 | 10♈48 | 25°33 | 17°17 | 21°39 | 18° 3 | 27°19 | 17°22 | 16°55 | 15° 5 | 0°18 | 1°40 | 15° 7 | n.a. | S 12 |
| S 13 | 0 19 9 | 3°42'32 | 22°35 | 24°29 | 18°26 | 22°25 | 18°17 | 27°16 | 17°25 | 16°57 | 15° 6 | 0°17 | 1°37 | 15°14 | n.a. | S 13 |
| M14 | 0 23 5 | 4°43'33 | 4♉23 | 23°35 | 19°35 | 23°12 | 18°30 | 27°12 | 17°28 | 16°59 | 15° 8 | 0°D16 | 1°33 | 15°21 | n.a. | M14 |
| T 15 | 0 27 2 | 5°44'35 | 16°13 | 22°52 | 20°44 | 23°58 | 18°44 | 27° 9 | 17°31 | 17° 1 | 15°10 | 0°17 | 1°30 | 15°27 | n.a. | T 15 |
| W16 | 0 30 59 | 6°45'38 | 28° 8 | 22°20 | 21°53 | 24°45 | 18°57 | 27° 6 | 17°34 | 17° 3 | 15°11 | 0°19 | 1°27 | 15°34 | n.a. | W16 |
| T 17 | 0 34 55 | 7°46'42 | 10♊13 | 22° 0 | 23° 2 | 25°31 | 19°11 | 27° 3 | 17°37 | 17° 6 | 15°13 | 0°21 | 1°24 | 15°41 | n.a. | T 17 |
| F 18 | 0 38 52 | 8°47'48 | 22°32 | 21°D51 | 24°10 | 26°17 | 19°24 | 27° 0 | 17°39 | 17° 8 | 15°15 | 0°22 | 1°21 | 15°47 | n.a. | F 18 |
| S 19 | 0 42 48 | 9°48'56 | 5♋ 8 | 21°53 | 25°18 | 27° 4 | 19°38 | 26°57 | 17°42 | 17°10 | 15°16 | 0°R23 | 1°17 | 15°54 | n.a. | S 19 |
| S 20 | 0 46 45 | 10°50'04 | 18° 7 | 22° 6 | 26°26 | 27°50 | 19°51 | 26°54 | 17°45 | 17°12 | 15°18 | 0°23 | 1°14 | 16° 1 | n.a. | S 20 |
| M21 | 0 50 41 | 11°51'14 | 1♌31 | 22°27 | 27°34 | 28°37 | 20° 5 | 26°51 | 17°47 | 17°15 | 15°19 | 0°22 | 1°11 | 16° 7 | n.a. | M21 |
| T 22 | 0 54 38 | 12°52'25 | 15°23 | 22°57 | 28°42 | 29°23 | 20°19 | 26°49 | 17°50 | 17°17 | 15°21 | 0°20 | 1° 8 | 16°14 | n.a. | T 22 |
| W23 | 0 58 34 | 13°53'37 | 29°42 | 23°35 | 29°50 | 0♐10 | 20°32 | 26°46 | 17°53 | 17°19 | 15°22 | 0°18 | 1° 5 | 16°21 | n.a. | W23 |
| T 24 | 1 2 31 | 14°54'50 | 14♏27 | 24°19 | 0♐57 | 0°57 | 20°46 | 26°44 | 17°55 | 17°21 | 15°24 | 0°16 | 1° 2 | 16°27 | n.a. | T 24 |
| F 25 | 1 6 28 | 15°56'04 | 29°30 | 25° 9 | 2° 5 | 1°43 | 21° 0 | 26°41 | 17°58 | 17°24 | 15°25 | 0°14 | 0°58 | 16°34 | n.a. | F 25 |
| S 26 | 1 10 24 | 16°57'19 | 14♎43 | 26° 5 | 3°12 | 2°30 | 21°13 | 26°39 | 18° 0 | 17°26 | 15°26 | 0°13 | 0°55 | 16°41 | n.a. | S 26 |
| S 27 | 1 14 21 | 17°58'35 | 29°57 | 27° 5 | 4°19 | 3°16 | 21°27 | 26°37 | 18° 2 | 17°28 | 15°28 | 0°D13 | 0°52 | 16°47 | n.a. | S 27 |
| M28 | 1 18 17 | 18°59'51 | 15♏ 2 | 28° 9 | 5°25 | 4° 3 | 21°41 | 26°35 | 18° 5 | 17°31 | 15°29 | 0°13 | 0°49 | 16°54 | n.a. | M28 |
| T 29 | 1 22 14 | 20° 1'08 | 29°49 | 29°16 | 6°32 | 4°50 | 21°55 | 26°33 | 18° 7 | 17°33 | 15°30 | 0°14 | 0°46 | 17° 1 | n.a. | T 29 |
| W30 | 1 26 10 | 21° 2'26 | 14♐12 | 0♎27 | 7°38 | 5°36 | 22° 8 | 26°31 | 18° 9 | 17°35 | 15°31 | 0°14 | 0°43 | 17° 7 | n.a. | W30 |
| T 31 | 1 30 7 | 22♎ 3'43 | 28♐ 9 | 1♎40 | 8♐44 | 6♐23 | 22♎22 | 26♒30 | 18♌11 | 17♎37 | 15♌33 | 0♉15 | 0♉39 | 17♈14 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 3n25 | 20s 7 | 1s48 | 5s 8 | 2s18 | 15s16 | 2s 7 | 17s19 | 1s16 | 5s29 | 0n51 | 14s59 | 2s46 | 16n50 | 0n46 | 4s49 | 1n57 | 32n20 | 16n25 | 12n 0 | 12n30 | 4n 6 | | n.a. |
| W 2 | 3 1 | 24 29 | 2 56 | 4 46 | 2 7 | 15 43 | 2 10 | 17 34 | 1 16 | 5 35 | 0 51 | 15 0 | 2 46 | 16 49 | 0 46 | 4 50 | 1 57 | 32 19 | 16 26 | 12 1 | 12 29 | 4 9 | | n.a. |
| T 3 | 2 36 | 27 18 | 3 52 | 4 17 | 1 54 | 16 9 | 2 13 | 17 48 | 1 17 | 5 40 | 0 51 | 15 2 | 2 45 | 16 48 | 0 46 | 4 51 | 1 57 | 32 19 | 16 26 | 12 1 | 12 28 | 4 13 | | n.a. |
| F 4 | 2 12 | 28 28 | 4 34 | 3 43 | 1 39 | 16 35 | 2 16 | 18 2 | 1 17 | 5 45 | 0 51 | 15 3 | 2 45 | 16 48 | 0 46 | 4 52 | 1 57 | 32 19 | 16 26 | 12 1 | 12 26 | 4 16 | | n.a. |
| S 5 | 1 47 | 28 0 | 5 0 | 3 4 | 1 22 | 17 1 | 2 18 | 18 16 | 1 17 | 5 50 | 0 50 | 15 4 | 2 45 | 16 47 | 0 46 | 4 53 | 1 57 | 32 18 | 16 27 | 12 0 | 12 25 | 4 20 | | n.a. |
| S 6 | 1 23 | 26 3 | 5 11 | 2 20 | 1 4 | 17 26 | 2 21 | 18 30 | 1 17 | 5 56 | 0 50 | 15 6 | 2 45 | 16 46 | 0 46 | 4 53 | 1 57 | 32 18 | 16 27 | 11 59 | 12 24 | 4 23 | | n.a. |
| M 7 | 0 58 | 22 51 | 5 7 | 1 32 | 0 45 | 17 51 | 2 23 | 18 43 | 1 18 | 6 1 | 0 50 | 15 7 | 2 45 | 16 45 | 0 46 | 4 54 | 1 57 | 32 18 | 16 28 | 11 57 | 12 23 | 4 26 | | n.a. |
| T 8 | 0 33 | 18 42 | 4 49 | 0 41 | 0 25 | 18 15 | 2 26 | 18 57 | 1 18 | 6 6 | 0 50 | 15 8 | 2 45 | 16 44 | 0 46 | 4 55 | 1 57 | 32 18 | 16 28 | 11 55 | 12 22 | 4 30 | | n.a. |
| W 9 | 0 9 | 13 50 | 4 18 | 0n11 | 0 4 | 18 39 | 2 28 | 19 10 | 1 18 | 6 12 | 0 50 | 15 9 | 2 45 | 16 43 | 0 46 | 4 56 | 1 57 | 32 18 | 16 28 | 11 53 | 12 21 | 4 33 | | n.a. |
| T 10 | 0s16 | 8 30 | 3 35 | 1 3 | 0n17 | 19 3 | 2 30 | 19 23 | 1 18 | 6 17 | 0 50 | 15 10 | 2 44 | 16 42 | 0 46 | 4 57 | 1 57 | 32 17 | 16 29 | 11 51 | 12 20 | 4 37 | | n.a. |
| F 11 | 0 41 | 2 55 | 2 44 | 1 53 | 0 37 | 19 26 | 2 32 | 19 36 | 1 19 | 6 22 | 0 50 | 15 12 | 2 44 | 16 41 | 0 46 | 4 58 | 1 57 | 32 17 | 16 29 | 11 50 | 12 19 | 4 40 | | n.a. |
| S 12 | 1 5 | 2n45 | 1 45 | 2 39 | 0 56 | 19 48 | 2 35 | 19 49 | 1 19 | 6 28 | 0 50 | 15 13 | 2 44 | 16 40 | 0 46 | 4 59 | 1 57 | 32 17 | 16 30 | 11 48 | 12 17 | 4 43 | | n.a. |
| S 13 | 1 30 | 8 19 | 0 42 | 3 21 | 1 13 | 20 10 | 2 37 | 20 1 | 1 19 | 6 33 | 0 49 | 15 14 | 2 44 | 16 39 | 0 46 | 5 0 | 1 57 | 32 17 | 16 30 | 11 48 | 12 16 | 4 47 | | n.a. |
| M14 | 1 55 | 13 36 | 0n23 | 3 58 | 1 30 | 20 31 | 2 39 | 20 13 | 1 19 | 6 38 | 0 49 | 15 15 | 2 44 | 16 38 | 0 46 | 5 0 | 1 57 | 32 17 | 16 31 | 11 48 | 12 15 | 4 50 | | n.a. |
| T 15 | 2 20 | 18 24 | 1 27 | 4 28 | 1 44 | 20 52 | 2 40 | 20 25 | 1 19 | 6 43 | 0 49 | 15 16 | 2 44 | 16 37 | 0 46 | 5 1 | 1 57 | 32 17 | 16 31 | 11 48 | 12 14 | 4 54 | | n.a. |
| W16 | 2 44 | 22 33 | 2 28 | 4 52 | 1 56 | 21 13 | 2 42 | 20 37 | 1 19 | 6 49 | 0 49 | 15 17 | 2 43 | 16 37 | 0 46 | 5 2 | 1 57 | 32 16 | 16 31 | 11 49 | 12 13 | 4 57 | | n.a. |
| T 17 | 3 9 | 25 47 | 3 23 | 5 10 | 2 6 | 21 32 | 2 44 | 20 49 | 1 20 | 6 54 | 0 49 | 15 18 | 2 43 | 16 36 | 0 46 | 5 3 | 1 57 | 32 16 | 16 32 | 11 49 | 12 12 | 5 0 | | n.a. |
| F 18 | 3 33 | 27 52 | 4 10 | 5 21 | 2 15 | 21 52 | 2 45 | 21 0 | 1 20 | 6 59 | 0 49 | 15 18 | 2 43 | 16 35 | 0 46 | 5 4 | 1 57 | 32 16 | 16 32 | 11 50 | 12 11 | 5 4 | | n.a. |
| S 19 | 3 58 | 28 35 | 4 46 | 5 26 | 2 21 | 22 10 | 2 47 | 21 11 | 1 20 | 7 5 | 0 49 | 15 19 | 2 43 | 16 34 | 0 46 | 5 5 | 1 57 | 32 16 | 16 33 | 11 50 | 12 10 | 5 7 | | n.a. |
| S 20 | 4 22 | 27 46 | 5 9 | 5 26 | 2 26 | 22 28 | 2 48 | 21 22 | 1 20 | 7 10 | 0 49 | 15 20 | 2 43 | 16 33 | 0 46 | 5 6 | 1 57 | 32 16 | 16 33 | 11 50 | 12 8 | 5 11 | | n.a. |
| M21 | 4 47 | 25 21 | 5 16 | 5 20 | 2 30 | 22 46 | 2 49 | 21 33 | 1 20 | 7 15 | 0 49 | 15 21 | 2 43 | 16 33 | 0 46 | 5 7 | 1 57 | 32 16 | 16 34 | 11 50 | 12 7 | 5 14 | | n.a. |
| T 22 | 5 11 | 21 24 | 5 5 | 5 10 | 2 32 | 23 3 | 2 50 | 21 44 | 1 20 | 7 21 | 0 48 | 15 22 | 2 42 | 16 32 | 0 46 | 5 8 | 1 57 | 32 16 | 16 34 | 11 49 | 12 6 | 5 17 | | n.a. |
| W23 | 5 35 | 16 5 | 4 36 | 4 56 | 2 33 | 23 19 | 2 51 | 21 54 | 1 20 | 7 26 | 0 48 | 15 22 | 2 42 | 16 31 | 0 46 | 5 8 | 1 57 | 32 16 | 16 35 | 11 48 | 12 5 | 5 21 | | n.a. |
| T 24 | 5 59 | 9 43 | 3 47 | 4 38 | 2 32 | 23 34 | 2 52 | 22 4 | 1 20 | 7 31 | 0 48 | 15 23 | 2 42 | 16 30 | 0 46 | 5 9 | 1 57 | 32 16 | 16 35 | 11 48 | 12 4 | 5 24 | | n.a. |
| F 25 | 6 24 | 2 41 | 2 42 | 4 16 | 2 31 | 23 49 | 2 53 | 22 14 | 1 20 | 7 37 | 0 48 | 15 24 | 2 42 | 16 30 | 0 46 | 5 10 | 1 57 | 32 16 | 16 36 | 11 47 | 12 3 | 5 27 | | n.a. |
| S 26 | 6 48 | 4s37 | 1 25 | 3 52 | 2 29 | 24 4 | 2 54 | 22 24 | 1 20 | 7 42 | 0 48 | 15 24 | 2 41 | 16 29 | 0 46 | 5 11 | 1 57 | 32 16 | 16 36 | 11 47 | 12 2 | 5 31 | | n.a. |
| S 27 | 7 11 | 11 40 | 0 1 | 3 25 | 2 26 | 24 17 | 2 54 | 22 33 | 1 20 | 7 47 | 0 48 | 15 25 | 2 41 | 16 28 | 0 46 | 5 12 | 1 57 | 32 16 | 16 37 | 11 46 | 12 1 | 5 34 | | n.a. |
| M28 | 7 35 | 17 58 | 1s21 | 2 56 | 2 23 | 24 30 | 2 55 | 22 42 | 1 20 | 7 53 | 0 48 | 15 25 | 2 41 | 16 27 | 0 46 | 5 13 | 1 57 | 32 16 | 16 37 | 11 47 | 11 59 | 5 38 | | n.a. |
| T 29 | 7 59 | 23 4 | 2 37 | 2 24 | 2 19 | 24 43 | 2 55 | 22 51 | 1 21 | 7 58 | 0 48 | 15 26 | 2 41 | 16 27 | 0 47 | 5 14 | 1 57 | 32 16 | 16 38 | 11 47 | 11 58 | 5 41 | | n.a. |
| W30 | 8 22 | 26 37 | 3 41 | 1 52 | 2 14 | 24 54 | 2 55 | 23 0 | 1 21 | 8 3 | 0 48 | 15 26 | 2 41 | 16 26 | 0 47 | 5 15 | 1 57 | 32 16 | 16 38 | 11 47 | 11 57 | 5 44 | | n.a. |
| T 31 | 8s46 | 28s24 | 4s29 | 1n17 | 2n 9 | 25s 5 | 2s55 | 23s 8 | 1s21 | 8s 9 | 0n48 | 15s26 | 2s40 | 16n25 | 0n47 | 5s15 | 1n57 | 32n16 | 16n39 | 11n47 | 11n56 | 5n48 | | n.a. |

Julian Day Number = 998501.5, Delta T = 12h54m01s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'41, Lahiri = -31°14'41 Julian Calendar 1 Oct. 1980 BCE == Greg. Calendar 14 Sept. 1980 BCE

The year -1979 astronomical counting style corresponds to year 1980 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## NOVEMBER 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 34 4 | 23♎ 5'01 | 11♉39 | 2♎55 | 9♐50 | 7♐10 | 22♎36 | 26°R28 | 18♌13 | 17♎40 | 15♌34 | 0♉16 | 0♉36 | 17♈20 | n.a. | F 1 |
| S 2 | 1 38 0 | 24° 6'20 | 24°44 | 4°13 | 10°55 | 7°56 | 22°50 | 26♒26 | 18°16 | 17°42 | 15°35 | 0°R16 | 0°33 | 17°27 | n.a. | S 2 |
| S 3 | 1 41 57 | 25° 7'38 | 7♒27 | 5°32 | 12° 1 | 8°43 | 23° 3 | 26°25 | 18°18 | 17°44 | 15°36 | 0°16 | 0°30 | 17°34 | n.a. | S 3 |
| M 4 | 1 45 53 | 26° 8'56 | 19°52 | 6°53 | 13° 6 | 9°30 | 23°17 | 26°24 | 18°20 | 17°46 | 15°37 | 0°15 | 0°27 | 17°40 | n.a. | M 4 |
| T 5 | 1 49 50 | 27°10'15 | 2♓ 3 | 8°15 | 14°11 | 10°17 | 23°31 | 26°23 | 18°22 | 17°49 | 15°38 | 0°15 | 0°23 | 17°47 | n.a. | T 5 |
| W 6 | 1 53 46 | 28°11'33 | 14° 3 | 9°38 | 15°15 | 11° 3 | 23°44 | 26°22 | 18°23 | 17°51 | 15°39 | 0°15 | 0°20 | 17°54 | n.a. | W 6 |
| T 7 | 1 57 43 | 29°12'52 | 25°55 | 11° 2 | 16°19 | 11°50 | 23°58 | 26°21 | 18°25 | 17°53 | 15°40 | 0°14 | 0°17 | 18° 0 | n.a. | T 7 |
| F 8 | 2 1 39 | 0♏14'10 | 7♈44 | 12°27 | 17°23 | 12°37 | 24°12 | 26°20 | 18°27 | 17°55 | 15°41 | 0°D14 | 0°14 | 18° 7 | n.a. | F 8 |
| S 9 | 2 5 36 | 1°15'29 | 19°32 | 13°53 | 18°27 | 13°23 | 24°26 | 26°19 | 18°29 | 17°58 | 15°42 | 0°14 | 0°11 | 18°14 | n.a. | S 9 |
| S 10 | 2 9 33 | 2°16'48 | 1♉21 | 15°20 | 19°30 | 14°10 | 24°39 | 26°19 | 18°31 | 18° 0 | 15°43 | 0°R14 | 0° 8 | 18°20 | n.a. | S 10 |
| M11 | 2 13 29 | 3°18'07 | 13°13 | 16°47 | 20°33 | 14°57 | 24°53 | 26°18 | 18°32 | 18° 2 | 15°44 | 0°14 | 0° 4 | 18°27 | n.a. | M11 |
| T 12 | 2 17 26 | 4°19'26 | 25°10 | 18°15 | 21°36 | 15°44 | 25° 7 | 26°18 | 18°34 | 18° 4 | 15°45 | 0°14 | 0° 1 | 18°34 | n.a. | T 12 |
| W13 | 2 21 22 | 5°20'46 | 7♊15 | 19°43 | 22°38 | 16°30 | 25°20 | 26°18 | 18°35 | 18° 6 | 15°46 | 0°13 | 29♈58 | 18°40 | n.a. | W13 |
| T 14 | 2 25 19 | 6°22'05 | 19°29 | 21°12 | 23°40 | 17°17 | 25°34 | 26°17 | 18°37 | 18° 9 | 15°46 | 0°13 | 29°55 | 18°47 | n.a. | T 14 |
| F 15 | 2 29 15 | 7°23'25 | 1♋55 | 22°41 | 24°41 | 18° 4 | 25°48 | 26°D17 | 18°38 | 18°11 | 15°47 | 0°12 | 29°52 | 18°54 | n.a. | F 15 |
| S 16 | 2 33 12 | 8°24'45 | 14°36 | 24°11 | 25°42 | 18°50 | 26° 1 | 26°17 | 18°40 | 18°13 | 15°48 | 0°11 | 29°49 | 19° 0 | n.a. | S 16 |
| S 17 | 2 37 9 | 9°26'05 | 27°33 | 25°42 | 26°43 | 19°37 | 26°15 | 26°18 | 18°41 | 18°15 | 15°48 | 0°10 | 29°45 | 19° 7 | n.a. | S 17 |
| M18 | 2 41 5 | 10°27'25 | 10♌51 | 27°12 | 27°43 | 20°24 | 26°28 | 26°18 | 18°42 | 18°17 | 15°49 | 0°D10 | 29°42 | 19°14 | n.a. | M18 |
| T 19 | 2 45 2 | 11°28'45 | 24°31 | 28°43 | 28°43 | 21°10 | 26°42 | 26°18 | 18°43 | 18°19 | 15°50 | 0°10 | 29°39 | 19°20 | n.a. | T 19 |
| W20 | 2 48 58 | 12°30'05 | 8♍34 | 0♏15 | 29°42 | 21°57 | 26°55 | 26°19 | 18°45 | 18°22 | 15°50 | 0°11 | 29°36 | 19°27 | n.a. | W20 |
| T 21 | 2 52 55 | 13°31'25 | 22°59 | 1°47 | 0♑41 | 22°44 | 27° 9 | 26°20 | 18°46 | 18°24 | 15°51 | 0°12 | 29°33 | 19°33 | n.a. | T 21 |
| F 22 | 2 56 51 | 14°32'45 | 7♎43 | 3°19 | 1°39 | 23°30 | 27°22 | 26°20 | 18°47 | 18°26 | 15°51 | 0°13 | 29°29 | 19°40 | n.a. | F 22 |
| S 23 | 3 0 48 | 15°34'05 | 22°42 | 4°51 | 2°37 | 24°17 | 27°36 | 26°21 | 18°48 | 18°28 | 15°52 | 0°R14 | 29°26 | 19°47 | n.a. | S 23 |
| S 24 | 3 4 45 | 16°35'24 | 7♏48 | 6°24 | 3°35 | 25° 4 | 27°49 | 26°22 | 18°49 | 18°30 | 15°52 | 0°14 | 29°23 | 19°53 | n.a. | S 24 |
| M25 | 3 8 41 | 17°36'44 | 22°51 | 7°58 | 4°31 | 25°50 | 28° 3 | 26°23 | 18°50 | 18°32 | 15°52 | 0°13 | 29°20 | 20° 0 | n.a. | M25 |
| T 26 | 3 12 38 | 18°38'02 | 7♐43 | 9°32 | 5°28 | 26°37 | 28°16 | 26°25 | 18°50 | 18°34 | 15°53 | 0°11 | 29°17 | 20° 7 | n.a. | T 26 |
| W27 | 3 16 34 | 19°39'20 | 22°16 | 11° 6 | 6°23 | 27°24 | 28°29 | 26°26 | 18°51 | 18°36 | 15°53 | 0° 8 | 29°14 | 20°13 | n.a. | W27 |
| T 28 | 3 20 31 | 20°40'38 | 6♑25 | 12°40 | 7°18 | 28°10 | 28°42 | 26°28 | 18°52 | 18°38 | 15°53 | 0° 5 | 29°10 | 20°20 | n.a. | T 28 |
| F 29 | 3 24 27 | 21°41'54 | 20° 6 | 14°16 | 8°13 | 28°57 | 28°56 | 26°29 | 18°53 | 18°40 | 15°53 | 0° 3 | 29° 7 | 20°27 | n.a. | F 29 |
| S 30 | 3 28 24 | 22♏43'10 | 3♒20 | 15♏51 | 9♑ 6 | 29♐43 | 29♎ 9 | 26♒31 | 18♌53 | 18♎42 | 15♌54 | 0♉ 0 | 29♈ 4 | 20♈33 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 9s 9 | 28s24 | 5s 1 | 0n42 | 2n 4 | 25s16 | 2s55 | 23s16 | 1s21 | 8s14 | 0n48 | 15s27 | 2s40 | 16n25 | 0n47 | 5s16 | 1n57 | 32n17 | 16n39 | 11n48 | 11n55 | 5n51 | | n.a. |
| S 2 | 9 32 | 26 47 | 5 16 | 0 5 | 1 58 | 25 25 | 2 55 | 23 24 | 1 21 | 8 19 | 0 47 | 15 27 | 2 40 | 16 24 | 0 47 | 5 17 | 1 57 | 32 17 | 16 40 | 11 48 | 11 54 | 5 55 | | n.a. |
| S 3 | 9 55 | 23 51 | 5 15 | 0s32 | 1 52 | 25 34 | 2 55 | 23 32 | 1 21 | 8 24 | 0 47 | 15 27 | 2 40 | 16 24 | 0 47 | 5 18 | 1 57 | 32 17 | 16 40 | 11 48 | 11 53 | 5 58 | | n.a. |
| M 4 | 10 18 | 19 52 | 4 59 | 1 10 | 1 46 | 25 43 | 2 54 | 23 39 | 1 21 | 8 30 | 0 47 | 15 28 | 2 39 | 16 23 | 0 47 | 5 19 | 1 57 | 32 17 | 16 41 | 11 47 | 11 51 | 6 1 | | n.a. |
| T 5 | 10 40 | 15 9 | 4 30 | 1 49 | 1 39 | 25 50 | 2 54 | 23 46 | 1 20 | 8 35 | 0 47 | 15 28 | 2 39 | 16 22 | 0 47 | 5 20 | 1 57 | 32 17 | 16 42 | 11 47 | 11 50 | 6 5 | | n.a. |
| W 6 | 11 3 | 9 55 | 3 50 | 2 29 | 1 33 | 25 57 | 2 53 | 23 53 | 1 20 | 8 40 | 0 47 | 15 28 | 2 39 | 16 22 | 0 47 | 5 21 | 1 57 | 32 17 | 16 42 | 11 47 | 11 49 | 6 8 | | n.a. |
| T 7 | 11 25 | 4 23 | 3 0 | 3 8 | 1 26 | 26 3 | 2 52 | 23 59 | 1 20 | 8 45 | 0 47 | 15 28 | 2 39 | 16 21 | 0 47 | 5 22 | 1 57 | 32 18 | 16 43 | 11 47 | 11 48 | 6 11 | | n.a. |
| F 8 | 11 47 | 1n16 | 2 2 | 3 49 | 1 19 | 26 9 | 2 51 | 24 6 | 1 20 | 8 51 | 0 47 | 15 28 | 2 38 | 16 21 | 0 47 | 5 22 | 1 57 | 32 18 | 16 43 | 11 47 | 11 47 | 6 15 | | n.a. |
| S 9 | 12 9 | 6 53 | 0 59 | 4 29 | 1 12 | 26 13 | 2 49 | 24 12 | 1 20 | 8 56 | 0 47 | 15 28 | 2 38 | 16 20 | 0 47 | 5 23 | 1 57 | 32 18 | 16 44 | 11 47 | 11 46 | 6 18 | | n.a. |
| S 10 | 12 30 | 12 17 | 0n 6 | 5 9 | 1 5 | 26 17 | 2 48 | 24 17 | 1 20 | 9 1 | 0 47 | 15 28 | 2 38 | 16 20 | 0 47 | 5 24 | 1 57 | 32 18 | 16 44 | 11 47 | 11 45 | 6 22 | | n.a. |
| M11 | 12 52 | 17 15 | 1 12 | 5 50 | 0 58 | 26 21 | 2 46 | 24 23 | 1 20 | 9 6 | 0 47 | 15 28 | 2 38 | 16 19 | 0 47 | 5 25 | 1 57 | 32 18 | 16 45 | 11 47 | 11 43 | 6 25 | | n.a. |
| T 12 | 13 13 | 21 37 | 2 14 | 6 31 | 0 51 | 26 23 | 2 45 | 24 28 | 1 20 | 9 11 | 0 47 | 15 28 | 2 37 | 16 19 | 0 47 | 5 26 | 1 57 | 32 19 | 16 46 | 11 47 | 11 42 | 6 28 | | n.a. |
| W13 | 13 34 | 25 6 | 3 12 | 7 12 | 0 44 | 26 25 | 2 43 | 24 33 | 1 20 | 9 16 | 0 47 | 15 28 | 2 37 | 16 18 | 0 47 | 5 27 | 1 57 | 32 19 | 16 46 | 11 47 | 11 41 | 6 32 | | n.a. |
| T 14 | 13 55 | 27 30 | 4 1 | 7 52 | 0 37 | 26 27 | 2 41 | 24 38 | 1 20 | 9 22 | 0 47 | 15 28 | 2 37 | 16 18 | 0 47 | 5 27 | 1 57 | 32 19 | 16 47 | 11 46 | 11 40 | 6 35 | | n.a. |
| F 15 | 14 15 | 28 34 | 4 40 | 8 33 | 0 30 | 26 27 | 2 38 | 24 42 | 1 20 | 9 27 | 0 46 | 15 27 | 2 37 | 16 17 | 0 47 | 5 28 | 1 57 | 32 20 | 16 47 | 11 46 | 11 39 | 6 38 | | n.a. |
| S 16 | 14 36 | 28 10 | 5 6 | 9 13 | 0 22 | 26 27 | 2 36 | 24 46 | 1 20 | 9 32 | 0 46 | 15 27 | 2 36 | 16 17 | 0 47 | 5 29 | 1 57 | 32 20 | 16 48 | 11 46 | 11 38 | 6 42 | | n.a. |
| S 17 | 14 56 | 26 15 | 5 17 | 9 53 | 0 15 | 26 26 | 2 33 | 24 50 | 1 19 | 9 37 | 0 46 | 15 27 | 2 36 | 16 17 | 0 47 | 5 30 | 1 57 | 32 20 | 16 48 | 11 46 | 11 37 | 6 45 | | n.a. |
| M18 | 15 15 | 22 51 | 5 12 | 10 33 | 0 9 | 26 25 | 2 31 | 24 53 | 1 19 | 9 42 | 0 46 | 15 26 | 2 36 | 16 16 | 0 47 | 5 31 | 1 57 | 32 21 | 16 49 | 11 45 | 11 36 | 6 49 | | n.a. |
| T 19 | 15 35 | 18 9 | 4 49 | 11 13 | 0 2 | 26 23 | 2 28 | 24 56 | 1 19 | 9 47 | 0 46 | 15 26 | 2 36 | 16 16 | 0 47 | 5 32 | 1 57 | 32 21 | 16 50 | 11 46 | 11 34 | 6 52 | | n.a. |
| W20 | 15 54 | 12 21 | 4 9 | 11 52 | 0s 5 | 26 20 | 2 25 | 24 59 | 1 19 | 9 52 | 0 46 | 15 25 | 2 35 | 16 16 | 0 47 | 5 32 | 1 57 | 32 21 | 16 50 | 11 46 | 11 33 | 6 55 | | n.a. |
| T 21 | 16 13 | 5 46 | 3 12 | 12 31 | 0 12 | 26 17 | 2 21 | 25 2 | 1 19 | 9 57 | 0 46 | 15 25 | 2 35 | 16 15 | 0 48 | 5 33 | 1 57 | 32 22 | 16 51 | 11 46 | 11 32 | 6 59 | | n.a. |
| F 22 | 16 32 | 1s16 | 2 2 | 13 10 | 0 19 | 26 13 | 2 18 | 25 4 | 1 19 | 10 2 | 0 46 | 15 24 | 2 35 | 16 15 | 0 48 | 5 34 | 1 57 | 32 22 | 16 51 | 11 47 | 11 31 | 7 2 | | n.a. |
| S 23 | 16 50 | 8 22 | 0 42 | 13 48 | 0 25 | 26 8 | 2 14 | 25 6 | 1 18 | 10 7 | 0 46 | 15 24 | 2 35 | 16 15 | 0 48 | 5 35 | 1 57 | 32 23 | 16 52 | 11 47 | 11 30 | 7 5 | | n.a. |
| S 24 | 17 8 | 15 3 | 0s42 | 14 25 | 0 31 | 26 3 | 2 10 | 25 8 | 1 18 | 10 12 | 0 46 | 15 23 | 2 34 | 16 15 | 0 48 | 5 35 | 1 57 | 32 23 | 16 53 | 11 47 | 11 29 | 7 9 | | n.a. |
| M25 | 17 26 | 20 49 | 2 2 | 15 2 | 0 38 | 25 57 | 2 6 | 25 10 | 1 18 | 10 17 | 0 46 | 15 23 | 2 34 | 16 14 | 0 48 | 5 36 | 1 57 | 32 23 | 16 53 | 11 47 | 11 28 | 7 12 | | n.a. |
| T 26 | 17 43 | 25 12 | 3 13 | 15 39 | 0 44 | 25 50 | 2 2 | 25 11 | 1 18 | 10 22 | 0 46 | 15 22 | 2 34 | 16 14 | 0 48 | 5 37 | 1 57 | 32 24 | 16 54 | 11 46 | 11 26 | 7 15 | | n.a. |
| W27 | 18 0 | 27 51 | 4 9 | 16 15 | 0 50 | 25 43 | 1 57 | 25 12 | 1 18 | 10 26 | 0 46 | 15 21 | 2 34 | 16 14 | 0 48 | 5 38 | 1 57 | 32 24 | 16 54 | 11 45 | 11 25 | 7 19 | | n.a. |
| T 28 | 18 17 | 28 35 | 4 49 | 16 50 | 0 56 | 25 35 | 1 52 | 25 12 | 1 17 | 10 31 | 0 46 | 15 21 | 2 33 | 16 14 | 0 48 | 5 39 | 1 57 | 32 25 | 16 55 | 11 44 | 11 24 | 7 22 | | n.a. |
| F 29 | 18 33 | 27 30 | 5 11 | 17 25 | 1 1 | 25 27 | 1 47 | 25 12 | 1 17 | 10 36 | 0 46 | 15 20 | 2 33 | 16 14 | 0 48 | 5 39 | 1 57 | 32 25 | 16 55 | 11 43 | 11 23 | 7 25 | | n.a. |
| S 30 | 18s49 | 24s54 | 5s15 | 17s59 | 1s 7 | 25s18 | 1s42 | 25s12 | 1s17 | 10s41 | 0n46 | 15s19 | 2s33 | 16n13 | 0n48 | 5s40 | 1n57 | 32n26 | 16n56 | 11n42 | 11n22 | 7n29 | | n.a. |

Julian Day Number = 998532.5, Delta T = 12h53m59s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'37, Lahiri = -31°14'37 Julian Calendar 1 Nov. 1980 BCE == Greg. Calendar 15 Oct. 1980 BCE


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# ASTRODIENST EPHEMERIS for the year 1980 BCE
# geocentric

## DECEMBER 1980 BCE (-1979) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 32 21 | 23♏44'24 | 16♒ 8 | 17♏27 | 9♑59 | 0♑30 | 29♎22 | 26♒33 | 18♌54 | 18♎44 | 15♌54 | 29°R59 | 29♈ 1 | 20♈40 | n.a. | S 1 |
| M 2 | 3 36 17 | 24°45'38 | 28°35 | 19° 4 | 10°51 | 1°16 | 29°35 | 26°35 | 18°54 | 18°46 | 15°54 | 29°D59 | 28°58 | 20°47 | n.a. | M 2 |
| T 3 | 3 40 14 | 25°46'50 | 10♓44 | 20°41 | 11°43 | 2° 3 | 29°48 | 26°37 | 18°55 | 18°48 | 15°54 | 29♈59 | 28°55 | 20°53 | n.a. | T 3 |
| W 4 | 3 44 10 | 26°48'01 | 22°42 | 22°18 | 12°34 | 2°49 | 0♏ 1 | 26°39 | 18°55 | 18°50 | 15°54 | 0♉ 1 | 28°51 | 21° 0 | n.a. | W 4 |
| T 5 | 3 48 7 | 27°49'11 | 4♈31 | 23°56 | 13°23 | 3°36 | 0°14 | 26°41 | 18°55 | 18°51 | 15°R54 | 0° 3 | 28°48 | 21° 7 | n.a. | T 5 |
| F 6 | 3 52 3 | 28°50'20 | 16°18 | 25°35 | 14°12 | 4°22 | 0°27 | 26°43 | 18°56 | 18°53 | 15°54 | 0° 5 | 28°45 | 21°13 | n.a. | F 6 |
| S 7 | 3 56 0 | 29°51'28 | 28° 5 | 27°14 | 15° 1 | 5° 9 | 0°40 | 26°46 | 18°56 | 18°55 | 15°54 | 0°R 6 | 28°42 | 21°20 | n.a. | S 7 |
| S 8 | 3 59 56 | 0♐52'35 | 9♉57 | 28°54 | 15°48 | 5°55 | 0°53 | 26°48 | 18°56 | 18°57 | 15°54 | 0° 5 | 28°39 | 21°26 | n.a. | S 8 |
| M 9 | 4 3 53 | 1°53'40 | 21°57 | 0♐34 | 16°34 | 6°41 | 1° 6 | 26°51 | 18°56 | 18°59 | 15°54 | 0° 3 | 28°35 | 21°33 | n.a. | M 9 |
| T 10 | 4 7 50 | 2°54'45 | 4♊ 5 | 2°15 | 17°19 | 7°28 | 1°18 | 26°54 | 18°R56 | 19° 1 | 15°54 | 29♈59 | 28°32 | 21°40 | n.a. | T 10 |
| W11 | 4 11 46 | 3°55'49 | 16°24 | 3°57 | 18° 3 | 8°14 | 1°31 | 26°57 | 18°56 | 19° 2 | 15°53 | 29°54 | 28°29 | 21°46 | n.a. | W11 |
| T 12 | 4 15 43 | 4°56'51 | 28°55 | 5°39 | 18°46 | 9° 0 | 1°44 | 27° 0 | 18°56 | 19° 4 | 15°53 | 29°48 | 28°26 | 21°53 | n.a. | T 12 |
| F 13 | 4 19 39 | 5°57'53 | 11♋38 | 7°22 | 19°28 | 9°47 | 1°56 | 27° 3 | 18°56 | 19° 6 | 15°53 | 29°41 | 28°23 | 22° 0 | n.a. | F 13 |
| S 14 | 4 23 36 | 6°58'53 | 24°33 | 9° 5 | 20° 9 | 10°33 | 2° 9 | 27° 6 | 18°56 | 19° 7 | 15°53 | 29°35 | 28°20 | 22° 6 | n.a. | S 14 |
| S 15 | 4 27 32 | 7°59'53 | 7♌42 | 10°49 | 20°49 | 11°19 | 2°21 | 27° 9 | 18°56 | 19° 9 | 15°52 | 29°30 | 28°16 | 22°13 | n.a. | S 15 |
| M16 | 4 31 29 | 9° 0'51 | 21° 4 | 12°34 | 21°27 | 12° 5 | 2°34 | 27°13 | 18°55 | 19°11 | 15°52 | 29°27 | 28°13 | 22°20 | n.a. | M16 |
| T 17 | 4 35 26 | 10° 1'48 | 4♍41 | 14°19 | 22° 4 | 12°51 | 2°46 | 27°16 | 18°55 | 19°12 | 15°52 | 29°D25 | 28°10 | 22°26 | n.a. | T 17 |
| W18 | 4 39 22 | 11° 2'45 | 18°33 | 16° 5 | 22°39 | 13°37 | 2°58 | 27°20 | 18°55 | 19°14 | 15°51 | 29°25 | 28° 7 | 22°33 | n.a. | W18 |
| T 19 | 4 43 19 | 12° 3'40 | 2♎41 | 17°51 | 23°13 | 14°24 | 3°10 | 27°23 | 18°54 | 19°15 | 15°51 | 29°26 | 28° 4 | 22°40 | n.a. | T 19 |
| F 20 | 4 47 15 | 13° 4'34 | 17° 2 | 19°38 | 23°46 | 15°10 | 3°23 | 27°27 | 18°54 | 19°17 | 15°50 | 29°28 | 28° 0 | 22°46 | n.a. | F 20 |
| S 21 | 4 51 12 | 14° 5'27 | 1♏36 | 21°25 | 24°17 | 15°56 | 3°35 | 27°31 | 18°53 | 19°19 | 15°50 | 29°R28 | 27°57 | 22°53 | n.a. | S 21 |
| S 22 | 4 55 8 | 15° 6'19 | 16°18 | 23°12 | 24°47 | 16°42 | 3°47 | 27°35 | 18°52 | 19°20 | 15°49 | 29°27 | 27°54 | 23° 0 | n.a. | S 22 |
| M23 | 4 59 5 | 16° 7'09 | 1♐ 2 | 25° 0 | 25°15 | 17°28 | 3°59 | 27°39 | 18°52 | 19°21 | 15°49 | 29°23 | 27°51 | 23° 6 | n.a. | M23 |
| T 24 | 5 3 1 | 17° 7'59 | 15°40 | 26°48 | 25°41 | 18°14 | 4°10 | 27°43 | 18°51 | 19°23 | 15°48 | 29°18 | 27°48 | 23°13 | n.a. | T 24 |
| W25 | 5 6 58 | 18° 8'46 | 0♑ 7 | 28°35 | 26° 5 | 18°59 | 4°22 | 27°47 | 18°50 | 19°24 | 15°47 | 29°10 | 27°45 | 23°19 | n.a. | W25 |
| T 26 | 5 10 55 | 19° 9'32 | 14°14 | 0♑22 | 26°28 | 19°45 | 4°34 | 27°52 | 18°49 | 19°26 | 15°47 | 29° 2 | 27°41 | 23°26 | n.a. | T 26 |
| F 27 | 5 14 51 | 20°10'16 | 27°58 | 2° 9 | 26°49 | 20°31 | 4°46 | 27°56 | 18°48 | 19°27 | 15°46 | 28°53 | 27°38 | 23°33 | n.a. | F 27 |
| S 28 | 5 18 48 | 21°10'59 | 11♒16 | 3°55 | 27° 7 | 21°17 | 4°57 | 28° 1 | 18°47 | 19°28 | 15°45 | 28°45 | 27°35 | 23°39 | n.a. | S 28 |
| S 29 | 5 22 44 | 22°11'39 | 24°10 | 5°39 | 27°24 | 22° 3 | 5° 9 | 28° 5 | 18°46 | 19°30 | 15°44 | 28°39 | 27°32 | 23°46 | n.a. | S 29 |
| M30 | 5 26 41 | 23°12'18 | 6♓41 | 7°22 | 27°38 | 22°48 | 5°20 | 28°10 | 18°45 | 19°31 | 15°43 | 28°35 | 27°29 | 23°53 | n.a. | M30 |
| T 31 | 5 30 37 | 24♐12'54 | 18♓53 | 9♑ 4 | 27♑51 | 23♑34 | 5♏31 | 28♒15 | 18♌44 | 19♎32 | 15♌43 | 28♈34 | 27♈26 | 23♈59 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| S 1 | 19s 5 | 21s 7 | 5s 3 | 18s32 | 1s12 | 25s 9 | 1s37 | 25s12 | 1s17 | 10s46 | 0n46 | 15s18 | 2s32 | 16n13 | 0n48 | 5s41 | 1n57 | 32n26 | 16n57 | 11n42 | 11n21 | 7n32 | | | n.a. |
| M 2 | 19 21 | 16 31 | 4 37 | 19 4 | 1 17 | 24 59 | 1 31 | 25 12 | 1 17 | 10 50 | 0 46 | 15 17 | 2 32 | 16 13 | 0 48 | 5 41 | 1 57 | 32 27 | 16 57 | 11 41 | 11 19 | 7 36 | | | n.a. |
| T 3 | 19 36 | 11 22 | 3 59 | 19 36 | 1 22 | 24 49 | 1 25 | 25 11 | 1 16 | 10 55 | 0 46 | 15 16 | 2 32 | 16 13 | 0 48 | 5 42 | 1 57 | 32 27 | 16 58 | 11 42 | 11 18 | 7 39 | | | n.a. |
| W 4 | 19 50 | 5 53 | 3 11 | 20 7 | 1 27 | 24 38 | 1 19 | 25 10 | 1 16 | 11 0 | 0 45 | 15 15 | 2 32 | 16 13 | 0 48 | 5 43 | 1 57 | 32 28 | 16 58 | 11 42 | 11 17 | 7 42 | | | n.a. |
| T 5 | 20 4 | 0 15 | 2 16 | 20 36 | 1 31 | 24 27 | 1 13 | 25 8 | 1 16 | 11 5 | 0 45 | 15 14 | 2 31 | 16 13 | 0 48 | 5 44 | 1 58 | 32 28 | 16 59 | 11 43 | 11 16 | 7 46 | | | n.a. |
| F 6 | 20 18 | 5n23 | 1 15 | 21 5 | 1 35 | 24 15 | 1 7 | 25 7 | 1 16 | 11 9 | 0 45 | 15 13 | 2 31 | 16 13 | 0 48 | 5 44 | 1 58 | 32 29 | 17 0 | 11 44 | 11 15 | 7 49 | | | n.a. |
| S 7 | 20 32 | 10 50 | 0 11 | 21 33 | 1 39 | 24 3 | 1 0 | 25 5 | 1 15 | 11 14 | 0 45 | 15 12 | 2 31 | 16 13 | 0 48 | 5 45 | 1 58 | 32 30 | 17 0 | 11 44 | 11 14 | 7 52 | | | n.a. |
| S 8 | 20 45 | 15 57 | 0n54 | 21 59 | 1 43 | 23 50 | 0 53 | 25 2 | 1 15 | 11 18 | 0 45 | 15 11 | 2 31 | 16 13 | 0 48 | 5 46 | 1 58 | 32 30 | 17 1 | 11 44 | 11 13 | 7 56 | | | n.a. |
| M 9 | 20 58 | 20 30 | 1 57 | 22 25 | 1 46 | 23 38 | 0 46 | 25 0 | 1 15 | 11 23 | 0 45 | 15 10 | 2 30 | 16 13 | 0 48 | 5 46 | 1 58 | 32 31 | 17 1 | 11 43 | 11 11 | 7 59 | | | n.a. |
| T 10 | 21 10 | 24 16 | 2 55 | 22 49 | 1 49 | 23 24 | 0 38 | 24 57 | 1 14 | 11 28 | 0 45 | 15 8 | 2 30 | 16 13 | 0 48 | 5 47 | 1 58 | 32 31 | 17 2 | 11 42 | 11 10 | 8 2 | | | n.a. |
| W11 | 21 22 | 26 58 | 3 46 | 23 12 | 1 52 | 23 11 | 0 30 | 24 54 | 1 14 | 11 32 | 0 45 | 15 7 | 2 30 | 16 13 | 0 48 | 5 47 | 1 58 | 32 32 | 17 3 | 11 40 | 11 9 | 8 6 | | | n.a. |
| T 12 | 21 33 | 28 22 | 4 27 | 23 33 | 1 54 | 22 57 | 0 22 | 24 50 | 1 14 | 11 37 | 0 45 | 15 6 | 2 30 | 16 13 | 0 49 | 5 48 | 1 58 | 32 32 | 17 3 | 11 38 | 11 8 | 8 9 | | | n.a. |
| F 13 | 21 44 | 28 19 | 4 56 | 23 53 | 1 56 | 22 43 | 0 14 | 24 47 | 1 13 | 11 41 | 0 45 | 15 5 | 2 29 | 16 13 | 0 49 | 5 49 | 1 58 | 32 33 | 17 4 | 11 35 | 11 7 | 8 12 | | | n.a. |
| S 14 | 21 55 | 26 43 | 5 9 | 24 12 | 1 57 | 22 28 | 0 5 | 24 43 | 1 13 | 11 45 | 0 45 | 15 3 | 2 29 | 16 13 | 0 49 | 5 49 | 1 58 | 32 34 | 17 4 | 11 33 | 11 6 | 8 16 | | | n.a. |
| S 15 | 22 5 | 23 39 | 5 7 | 24 29 | 1 59 | 22 13 | 0n 3 | 24 38 | 1 13 | 11 50 | 0 45 | 15 2 | 2 29 | 16 13 | 0 49 | 5 50 | 1 58 | 32 34 | 17 5 | 11 31 | 11 4 | 8 19 | | | n.a. |
| M16 | 22 15 | 19 19 | 4 49 | 24 44 | 1 59 | 21 58 | 0 12 | 24 34 | 1 12 | 11 54 | 0 45 | 15 0 | 2 29 | 16 13 | 0 49 | 5 51 | 1 58 | 32 35 | 17 5 | 11 30 | 11 3 | 8 22 | | | n.a. |
| T 17 | 22 24 | 13 55 | 4 14 | 24 58 | 2 0 | 21 43 | 0 22 | 24 29 | 1 12 | 11 58 | 0 45 | 14 59 | 2 28 | 16 14 | 0 49 | 5 51 | 1 58 | 32 36 | 17 6 | 11 29 | 11 2 | 8 26 | | | n.a. |
| W18 | 22 33 | 7 44 | 3 24 | 25 9 | 1 59 | 21 28 | 0 31 | 24 24 | 1 12 | 12 3 | 0 45 | 14 58 | 2 28 | 16 14 | 0 49 | 5 52 | 1 58 | 32 36 | 17 6 | 11 29 | 11 1 | 8 29 | | | n.a. |
| T 19 | 22 42 | 1 3 | 2 20 | 25 19 | 1 59 | 21 12 | 0 41 | 24 19 | 1 11 | 12 7 | 0 45 | 14 56 | 2 28 | 16 14 | 0 49 | 5 52 | 1 58 | 32 37 | 17 7 | 11 30 | 11 0 | 8 32 | | | n.a. |
| F 20 | 22 50 | 5s48 | 1 7 | 25 28 | 1 57 | 20 57 | 0 51 | 24 13 | 1 11 | 12 11 | 0 45 | 14 54 | 2 28 | 16 14 | 0 49 | 5 53 | 1 58 | 32 38 | 17 8 | 11 30 | 10 59 | 8 36 | | | n.a. |
| S 21 | 22 57 | 12 27 | 0s12 | 25 34 | 1 55 | 20 41 | 1 2 | 24 7 | 1 11 | 12 15 | 0 45 | 14 53 | 2 28 | 16 14 | 0 49 | 5 53 | 1 58 | 32 38 | 17 8 | 11 30 | 10 58 | 8 39 | | | n.a. |
| S 22 | 23 4 | 18 29 | 1 30 | 25 38 | 1 53 | 20 25 | 1 12 | 24 1 | 1 10 | 12 20 | 0 45 | 14 51 | 2 27 | 16 15 | 0 49 | 5 54 | 1 58 | 32 39 | 17 9 | 11 30 | 10 56 | 8 42 | | | n.a. |
| M23 | 23 11 | 23 25 | 2 42 | 25 40 | 1 50 | 20 9 | 1 23 | 23 55 | 1 10 | 12 24 | 0 45 | 14 50 | 2 27 | 16 15 | 0 49 | 5 54 | 1 58 | 32 40 | 17 9 | 11 29 | 10 55 | 8 46 | | | n.a. |
| T 24 | 23 17 | 26 50 | 3 43 | 25 39 | 1 46 | 19 53 | 1 34 | 23 48 | 1 10 | 12 28 | 0 45 | 14 48 | 2 27 | 16 15 | 0 49 | 5 55 | 1 58 | 32 40 | 17 10 | 11 27 | 10 54 | 8 49 | | | n.a. |
| W25 | 23 23 | 28 24 | 4 29 | 25 37 | 1 42 | 19 38 | 1 46 | 23 41 | 1 9 | 12 32 | 0 45 | 14 46 | 2 27 | 16 15 | 0 49 | 5 55 | 1 58 | 32 41 | 17 10 | 11 24 | 10 53 | 8 52 | | | n.a. |
| T 26 | 23 28 | 28 4 | 4 57 | 25 32 | 1 37 | 19 22 | 1 58 | 23 34 | 1 9 | 12 36 | 0 45 | 14 44 | 2 26 | 16 16 | 0 49 | 5 56 | 1 58 | 32 42 | 17 11 | 11 21 | 10 52 | 8 56 | | | n.a. |
| F 27 | 23 33 | 26 0 | 5 7 | 25 25 | 1 31 | 19 6 | 2 10 | 23 27 | 1 8 | 12 40 | 0 45 | 14 43 | 2 26 | 16 16 | 0 49 | 5 56 | 1 59 | 32 43 | 17 11 | 11 18 | 10 51 | 8 59 | | | n.a. |
| S 28 | 23 37 | 22 32 | 5 0 | 25 16 | 1 24 | 18 50 | 2 22 | 23 19 | 1 8 | 12 44 | 0 45 | 14 41 | 2 26 | 16 16 | 0 49 | 5 57 | 1 59 | 32 43 | 17 12 | 11 15 | 10 49 | 9 2 | | | n.a. |
| S 29 | 23 41 | 18 5 | 4 37 | 25 5 | 1 17 | 18 35 | 2 34 | 23 11 | 1 8 | 12 48 | 0 45 | 14 39 | 2 26 | 16 17 | 0 49 | 5 57 | 1 59 | 32 44 | 17 12 | 11 13 | 10 48 | 9 6 | | | n.a. |
| M30 | 23 45 | 12 58 | 4 2 | 24 52 | 1 9 | 18 20 | 2 47 | 23 3 | 1 7 | 12 52 | 0 45 | 14 37 | 2 26 | 16 17 | 0 49 | 5 58 | 1 59 | 32 45 | 17 13 | 11 11 | 10 47 | 9 9 | | | n.a. |
| T 31 | 23s48 | 7s30 | 3s17 | 24s36 | 1s 0 | 18s 5 | 3n 0 | 22s55 | 1s 7 | 12s55 | 0n45 | 14s35 | 2s25 | 16n18 | 0n49 | 5s58 | 1n59 | 32n46 | 17n13 | 11n11 | 10n46 | 9n12 | | | n.a. |

Julian Day Number = 998562.5, Delta T = 12h53m57s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'33, Lahiri = -31°14'33 Julian Calendar 1 Dec. 1980 BCE == Greg. Calendar 14 Nov. 1980 BCE


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## JANUARY 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 34 34 | 25♐13'28 | 0♈51 | 10♑43 | 28♑ 1 | 24♑20 | 5♏42 | 28♒20 | 18°R43 | 19♎33 | 15°R42 | 28°D34 | 27♈22 | 24♈ 6 | n.a. | W 1 |
| T 2 | 5 38 30 | 26°14'01 | 12°41 | 12°19 | 28° 8 | 25° 5 | 5°53 | 28°25 | 18♌42 | 19°34 | 15♌41 | 28♈35 | 27°19 | 24°13 | n.a. | T 2 |
| F 3 | 5 42 27 | 27°14'31 | 24°27 | 13°52 | 28°14 | 25°51 | 6° 4 | 28°30 | 18°41 | 19°36 | 15°40 | 28°R36 | 27°16 | 24°19 | n.a. | F 3 |
| S 4 | 5 46 24 | 28°14'59 | 6♉16 | 15°21 | 28°17 | 26°37 | 6°15 | 28°35 | 18°39 | 19°37 | 15°39 | 28°35 | 27°13 | 24°26 | n.a. | S 4 |
| S 5 | 5 50 20 | 29°15'25 | 18°12 | 16°45 | 28°R17 | 27°22 | 6°26 | 28°40 | 18°38 | 19°38 | 15°38 | 28°33 | 27°10 | 24°33 | n.a. | S 5 |
| M 6 | 5 54 17 | 0♑15'50 | 0♊19 | 18° 4 | 28°15 | 28° 8 | 6°37 | 28°45 | 18°37 | 19°39 | 15°37 | 28°29 | 27° 6 | 24°39 | n.a. | M 6 |
| T 7 | 5 58 13 | 1°16'12 | 12°38 | 19°17 | 28°10 | 28°53 | 6°48 | 28°50 | 18°35 | 19°40 | 15°36 | 28°21 | 27° 3 | 24°46 | n.a. | T 7 |
| W 8 | 6 2 10 | 2°16'32 | 25°13 | 20°23 | 28° 3 | 29°38 | 6°58 | 28°56 | 18°34 | 19°41 | 15°35 | 28°12 | 27° 0 | 24°53 | n.a. | W 8 |
| T 9 | 6 6 6 | 3°16'51 | 8♋ 3 | 21°22 | 27°54 | 0♒24 | 7° 9 | 29° 1 | 18°32 | 19°42 | 15°34 | 28° 0 | 26°57 | 24°59 | n.a. | T 9 |
| F 10 | 6 10 3 | 4°17'07 | 21° 8 | 22°13 | 27°42 | 1° 9 | 7°19 | 29° 7 | 18°31 | 19°43 | 15°33 | 27°49 | 26°54 | 25° 6 | n.a. | F 10 |
| S 11 | 6 14 0 | 5°17'22 | 4♌27 | 22°56 | 27°27 | 1°54 | 7°29 | 29°13 | 18°29 | 19°44 | 15°31 | 27°37 | 26°51 | 25°12 | n.a. | S 11 |
| S 12 | 6 17 56 | 6°17'34 | 17°57 | 23°30 | 27°10 | 2°39 | 7°39 | 29°18 | 18°28 | 19°45 | 15°30 | 27°27 | 26°47 | 25°19 | n.a. | S 12 |
| M13 | 6 21 53 | 7°17'45 | 1♍36 | 23°55 | 26°50 | 3°25 | 7°49 | 29°24 | 18°26 | 19°45 | 15°29 | 27°20 | 26°44 | 25°26 | n.a. | M13 |
| T 14 | 6 25 49 | 8°17'54 | 15°24 | 24°10 | 26°28 | 4°10 | 7°59 | 29°30 | 18°24 | 19°46 | 15°28 | 27°16 | 26°41 | 25°32 | n.a. | T 14 |
| W15 | 6 29 46 | 9°18'01 | 29°19 | 24°R16 | 26° 4 | 4°55 | 8° 9 | 29°36 | 18°22 | 19°47 | 15°27 | 27°14 | 26°38 | 25°39 | n.a. | W15 |
| T 16 | 6 33 42 | 10°18'07 | 13♎21 | 24°12 | 25°37 | 5°40 | 8°19 | 29°42 | 18°21 | 19°48 | 15°25 | 27°D13 | 26°35 | 25°46 | n.a. | T 16 |
| F 17 | 6 37 39 | 11°18'11 | 27°28 | 23°59 | 25° 9 | 6°25 | 8°28 | 29°48 | 18°19 | 19°48 | 15°24 | 27°R13 | 26°32 | 25°52 | n.a. | F 17 |
| S 18 | 6 41 35 | 12°18'13 | 11♏41 | 23°36 | 24°38 | 7°10 | 8°38 | 29°54 | 18°17 | 19°49 | 15°23 | 27°13 | 26°28 | 25°59 | n.a. | S 18 |
| S 19 | 6 45 32 | 13°18'13 | 25°57 | 23° 6 | 24° 6 | 7°55 | 8°47 | 0♓ 0 | 18°15 | 19°50 | 15°22 | 27°10 | 26°25 | 26° 6 | n.a. | S 19 |
| M20 | 6 49 28 | 14°18'11 | 10♐14 | 22°28 | 23°33 | 8°40 | 8°57 | 0° 6 | 18°13 | 19°50 | 15°20 | 27° 5 | 26°22 | 26°12 | n.a. | M20 |
| T 21 | 6 53 25 | 15°18'08 | 24°27 | 21°43 | 22°58 | 9°24 | 9° 6 | 0°13 | 18°11 | 19°51 | 15°19 | 26°56 | 26°19 | 26°19 | n.a. | T 21 |
| W22 | 6 57 22 | 16°18'02 | 8♑31 | 20°52 | 22°22 | 10° 9 | 9°15 | 0°19 | 18° 9 | 19°51 | 15°17 | 26°45 | 26°16 | 26°26 | n.a. | W22 |
| T 23 | 7 1 18 | 17°17'55 | 22°22 | 19°58 | 21°45 | 10°54 | 9°24 | 0°26 | 18° 7 | 19°52 | 15°16 | 26°33 | 26°13 | 26°32 | n.a. | T 23 |
| F 24 | 7 5 15 | 18°17'45 | 5♒55 | 19° 0 | 21° 8 | 11°39 | 9°32 | 0°32 | 18° 5 | 19°52 | 15°15 | 26°20 | 26° 9 | 26°39 | n.a. | F 24 |
| S 25 | 7 9 11 | 19°17'33 | 19° 7 | 18° 1 | 20°30 | 12°23 | 9°41 | 0°39 | 18° 3 | 19°53 | 15°13 | 26° 9 | 26° 6 | 26°46 | n.a. | S 25 |
| S 26 | 7 13 8 | 20°17'19 | 1♓58 | 17° 2 | 19°52 | 13° 8 | 9°50 | 0°45 | 18° 0 | 19°53 | 15°12 | 25°59 | 26° 3 | 26°52 | n.a. | S 26 |
| M27 | 7 17 4 | 21°17'02 | 14°28 | 16° 4 | 19°14 | 13°53 | 9°58 | 0°52 | 17°58 | 19°54 | 15°10 | 25°52 | 26° 0 | 26°59 | n.a. | M27 |
| T 28 | 7 21 1 | 22°16'42 | 26°41 | 15° 8 | 18°36 | 14°37 | 10° 6 | 0°58 | 17°56 | 19°54 | 15° 9 | 25°47 | 25°57 | 27° 5 | n.a. | T 28 |
| W29 | 7 24 57 | 23°16'21 | 8♈41 | 14°16 | 17°59 | 15°21 | 10°14 | 1° 5 | 17°54 | 19°54 | 15° 7 | 25°45 | 25°53 | 27°12 | n.a. | W29 |
| T 30 | 7 28 54 | 24°15'56 | 20°31 | 13°27 | 17°23 | 16° 6 | 10°22 | 1°12 | 17°51 | 19°54 | 15° 6 | 25°45 | 25°50 | 27°19 | n.a. | T 30 |
| F 31 | 7 32 51 | 25♑15'30 | 2♉19 | 12♑44 | 16♑48 | 16♒50 | 10♏30 | 1♓19 | 17♌49 | 19♎55 | 15♌ 4 | 25♈45 | 25♈47 | 27♈25 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| W 1 | 23s50 | 1s50 | 2s23 | 24s19 | 0s50 | 17s50 | 3n13 | 22s46 | 1s 6 | 12s59 | 0n45 | 14s33 | 2s25 | 16n18 | 0n49 | 5s58 | 1n59 | 32n46 | 17n14 | 11n11 | 10n45 | 9n16 | | | n.a. |
| T 2 | 23 52 | 3n49 | 1 24 | 23 59 | 0 39 | 17 35 | 3 26 | 22 38 | 1 6 | 13 3 | 0 45 | 14 31 | 2 25 | 16 18 | 0 49 | 5 59 | 1 59 | 32 47 | 17 14 | 11 11 | 10 44 | 9 19 | | | n.a. |
| F 3 | 23 54 | 9 19 | 0 22 | 23 39 | 0 28 | 17 21 | 3 40 | 22 29 | 1 6 | 13 7 | 0 45 | 14 29 | 2 25 | 16 19 | 0 49 | 5 59 | 1 59 | 32 48 | 17 15 | 11 11 | 10 42 | 9 22 | | | n.a. |
| S 4 | 23 55 | 14 32 | 0n41 | 23 16 | 0 15 | 17 7 | 3 53 | 22 19 | 1 5 | 13 10 | 0 45 | 14 27 | 2 25 | 16 19 | 0 50 | 6 0 | 1 59 | 32 49 | 17 15 | 11 11 | 10 41 | 9 25 | | | n.a. |
| S 5 | 23 55 | 19 15 | 1 43 | 22 53 | 0 2 | 16 53 | 4 7 | 22 10 | 1 5 | 13 14 | 0 45 | 14 25 | 2 24 | 16 20 | 0 50 | 6 0 | 1 59 | 32 49 | 17 16 | 11 11 | 10 40 | 9 29 | | | n.a. |
| M 6 | 23 55 | 23 15 | 2 41 | 22 29 | 0n12 | 16 40 | 4 21 | 22 0 | 1 4 | 13 18 | 0 45 | 14 23 | 2 24 | 16 20 | 0 50 | 6 0 | 1 59 | 32 50 | 17 16 | 11 9 | 10 39 | 9 32 | | | n.a. |
| T 7 | 23 55 | 26 17 | 3 32 | 22 4 | 0 26 | 16 28 | 4 35 | 21 50 | 1 4 | 13 21 | 0 45 | 14 21 | 2 24 | 16 21 | 0 50 | 6 1 | 1 59 | 32 51 | 17 17 | 11 6 | 10 38 | 9 35 | | | n.a. |
| W 8 | 23 54 | 28 4 | 4 15 | 21 40 | 0 41 | 16 15 | 4 49 | 21 40 | 1 3 | 13 25 | 0 45 | 14 19 | 2 24 | 16 21 | 0 50 | 6 1 | 1 59 | 32 52 | 17 17 | 11 3 | 10 37 | 9 39 | | | n.a. |
| T 9 | 23 53 | 28 24 | 4 45 | 21 15 | 0 57 | 16 4 | 5 2 | 21 30 | 1 3 | 13 28 | 0 45 | 14 17 | 2 24 | 16 22 | 0 50 | 6 1 | 1 59 | 32 52 | 17 17 | 10 59 | 10 35 | 9 42 | | | n.a. |
| F 10 | 23 51 | 27 10 | 5 0 | 20 51 | 1 13 | 15 53 | 5 16 | 21 19 | 1 3 | 13 32 | 0 45 | 14 15 | 2 23 | 16 22 | 0 50 | 6 2 | 1 59 | 32 53 | 17 18 | 10 54 | 10 34 | 9 45 | | | n.a. |
| S 11 | 23 49 | 24 23 | 5 0 | 20 28 | 1 29 | 15 42 | 5 30 | 21 9 | 1 2 | 13 35 | 0 45 | 14 13 | 2 23 | 16 23 | 0 50 | 6 2 | 1 59 | 32 54 | 17 18 | 10 50 | 10 33 | 9 49 | | | n.a. |
| S 12 | 23 46 | 20 15 | 4 44 | 20 6 | 1 46 | 15 32 | 5 43 | 20 58 | 1 2 | 13 38 | 0 45 | 14 10 | 2 23 | 16 23 | 0 50 | 6 2 | 1 59 | 32 55 | 17 19 | 10 47 | 10 32 | 9 52 | | | n.a. |
| M13 | 23 43 | 15 0 | 4 11 | 19 46 | 2 2 | 15 23 | 5 57 | 20 47 | 1 1 | 13 42 | 0 45 | 14 8 | 2 23 | 16 24 | 0 50 | 6 2 | 2 0 | 32 55 | 17 19 | 10 44 | 10 31 | 9 55 | | | n.a. |
| T 14 | 23 39 | 8 58 | 3 23 | 19 27 | 2 18 | 15 14 | 6 10 | 20 35 | 1 1 | 13 45 | 0 45 | 14 6 | 2 23 | 16 24 | 0 50 | 6 3 | 2 0 | 32 56 | 17 20 | 10 42 | 10 30 | 9 58 | | | n.a. |
| W15 | 23 35 | 2 27 | 2 22 | 19 11 | 2 33 | 15 6 | 6 22 | 20 24 | 1 0 | 13 48 | 0 45 | 14 4 | 2 22 | 16 25 | 0 50 | 6 3 | 2 0 | 32 57 | 17 20 | 10 42 | 10 28 | 10 2 | | | n.a. |
| T 16 | 23 31 | 4s15 | 1 13 | 18 57 | 2 48 | 14 59 | 6 34 | 20 12 | 1 0 | 13 51 | 0 45 | 14 1 | 2 22 | 16 26 | 0 50 | 6 3 | 2 0 | 32 58 | 17 20 | 10 41 | 10 27 | 10 5 | | | n.a. |
| F 17 | 23 26 | 10 48 | 0s 1 | 18 46 | 3 2 | 14 53 | 6 46 | 20 0 | 0 59 | 13 54 | 0 45 | 13 59 | 2 22 | 16 26 | 0 50 | 6 3 | 2 0 | 32 59 | 17 21 | 10 41 | 10 26 | 10 8 | | | n.a. |
| S 18 | 23 20 | 16 51 | 1 16 | 18 37 | 3 15 | 14 47 | 6 57 | 19 48 | 0 59 | 13 58 | 0 45 | 13 57 | 2 22 | 16 27 | 0 50 | 6 4 | 2 0 | 32 59 | 17 21 | 10 41 | 10 25 | 10 12 | | | n.a. |
| S 19 | 23 15 | 22 0 | 2 26 | 18 31 | 3 26 | 14 42 | 7 8 | 19 36 | 0 58 | 14 1 | 0 45 | 13 54 | 2 22 | 16 28 | 0 50 | 6 4 | 2 0 | 33 0 | 17 21 | 10 40 | 10 24 | 10 15 | | | n.a. |
| M20 | 23 8 | 25 50 | 3 27 | 18 28 | 3 36 | 14 38 | 7 18 | 19 23 | 0 58 | 14 4 | 0 45 | 13 52 | 2 22 | 16 28 | 0 50 | 6 4 | 2 0 | 33 1 | 17 22 | 10 38 | 10 23 | 10 18 | | | n.a. |
| T 21 | 23 2 | 28 2 | 4 14 | 18 27 | 3 44 | 14 34 | 7 27 | 19 11 | 0 57 | 14 7 | 0 45 | 13 49 | 2 22 | 16 29 | 0 50 | 6 4 | 2 0 | 33 2 | 17 22 | 10 35 | 10 21 | 10 21 | | | n.a. |
| W22 | 22 54 | 28 24 | 4 46 | 18 28 | 3 50 | 14 32 | 7 36 | 18 58 | 0 57 | 14 9 | 0 45 | 13 47 | 2 21 | 16 29 | 0 50 | 6 4 | 2 0 | 33 2 | 17 22 | 10 31 | 10 20 | 10 25 | | | n.a. |
| T 23 | 22 47 | 26 57 | 5 0 | 18 32 | 3 54 | 14 30 | 7 44 | 18 45 | 0 56 | 14 12 | 0 45 | 13 44 | 2 21 | 16 30 | 0 50 | 6 4 | 2 0 | 33 3 | 17 23 | 10 27 | 10 19 | 10 28 | | | n.a. |
| F 24 | 22 39 | 23 57 | 4 56 | 18 38 | 3 57 | 14 28 | 7 51 | 18 32 | 0 56 | 14 15 | 0 45 | 13 42 | 2 21 | 16 31 | 0 50 | 6 4 | 2 0 | 33 4 | 17 23 | 10 22 | 10 18 | 10 31 | | | n.a. |
| S 25 | 22 30 | 19 46 | 4 37 | 18 46 | 3 57 | 14 28 | 7 57 | 18 19 | 0 55 | 14 18 | 0 45 | 13 39 | 2 21 | 16 32 | 0 50 | 6 5 | 2 0 | 33 5 | 17 23 | 10 18 | 10 17 | 10 35 | | | n.a. |
| S 26 | 22 21 | 14 46 | 4 4 | 18 56 | 3 55 | 14 28 | 8 2 | 18 5 | 0 55 | 14 21 | 0 45 | 13 37 | 2 21 | 16 32 | 0 50 | 6 5 | 2 0 | 33 5 | 17 24 | 10 14 | 10 16 | 10 38 | | | n.a. |
| M27 | 22 12 | 9 18 | 3 20 | 19 7 | 3 51 | 14 29 | 8 6 | 17 52 | 0 54 | 14 23 | 0 45 | 13 34 | 2 21 | 16 33 | 0 50 | 6 5 | 2 0 | 33 6 | 17 24 | 10 11 | 10 14 | 10 41 | | | n.a. |
| T 28 | 22 2 | 3 35 | 2 27 | 19 19 | 3 45 | 14 31 | 8 10 | 17 38 | 0 54 | 14 26 | 0 45 | 13 32 | 2 21 | 16 34 | 0 50 | 6 5 | 2 0 | 33 7 | 17 24 | 10 10 | 10 13 | 10 44 | | | n.a. |
| W29 | 21 52 | 2n 9 | 1 29 | 19 32 | 3 37 | 14 34 | 8 12 | 17 24 | 0 53 | 14 29 | 0 45 | 13 29 | 2 20 | 16 34 | 0 50 | 6 5 | 2 1 | 33 8 | 17 24 | 10 9 | 10 12 | 10 48 | | | n.a. |
| T 30 | 21 42 | 7 45 | 0 28 | 19 46 | 3 28 | 14 37 | 8 14 | 17 10 | 0 53 | 14 31 | 0 45 | 13 27 | 2 20 | 16 35 | 0 50 | 6 5 | 2 1 | 33 8 | 17 25 | 10 9 | 10 11 | 10 51 | | | n.a. |
| F 31 | 21s31 | 13n 4 | 0n35 | 20s 1 | 3n18 | 14s40 | 8n14 | 16s56 | 0s52 | 14s34 | 0n45 | 13s24 | 2s20 | 16n36 | 0n50 | 6s 5 | 2n 1 | 33n 9 | 17n25 | 10n 9 | 10n10 | 10n54 | | | n.a. |

Julian Day Number = 998593.5, Delta T = 12h53m55s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'29, Lahiri = -31°14'29 Julian Calendar 1 Jan. 1979 BCE == Greg. Calendar 15 Dec. 1980 BCE

The year -1978 astronomical counting style corresponds to year 1979 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## FEBRUARY 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 36 47 | 26♉15'01 | 14♉ 9 | 12°R 6 | 16°R15 | 17♒35 | 10♏38 | 1♓26 | 17°R47 | 19♎55 | 15°R 3 | 25°R44 | 25♈44 | 27♈32 | n.a. | S 1 |
| S 2 | 7 40 44 | 27°14'29 | 26° 7 | 11♉33 | 15♉43 | 18°19 | 10°45 | 1°33 | 17♌44 | 19°55 | 15♌ 1 | 25♈42 | 25°41 | 27°39 | n.a. | S 2 |
| M 3 | 7 44 40 | 28°13'55 | 8♊18 | 11° 7 | 15°12 | 19° 3 | 10°53 | 1°40 | 17°42 | 19°55 | 15° 0 | 25°37 | 25°38 | 27°45 | n.a. | M 3 |
| T 4 | 7 48 37 | 29°13'19 | 20°45 | 10°47 | 14°43 | 19°47 | 11° 0 | 1°47 | 17°40 | 19°55 | 14°58 | 25°29 | 25°34 | 27°52 | n.a. | T 4 |
| W 5 | 7 52 33 | 0♒12'40 | 3♋32 | 10°33 | 14°17 | 20°31 | 11° 7 | 1°54 | 17°37 | 19°55 | 14°56 | 25°19 | 25°31 | 27°59 | n.a. | W 5 |
| T 6 | 7 56 30 | 1°11'59 | 16°38 | 10°25 | 13°52 | 21°15 | 11°14 | 2° 1 | 17°35 | 19°R55 | 14°55 | 25° 7 | 25°28 | 28° 5 | n.a. | T 6 |
| F 7 | 8 0 26 | 2°11'16 | 0♌ 4 | 10°D23 | 13°30 | 22° 0 | 11°21 | 2° 8 | 17°32 | 19°55 | 14°53 | 24°54 | 25°25 | 28°12 | n.a. | F 7 |
| S 8 | 8 4 23 | 3°10'30 | 13°47 | 10°27 | 13°10 | 22°43 | 11°28 | 2°15 | 17°30 | 19°55 | 14°52 | 24°42 | 25°22 | 28°19 | n.a. | S 8 |
| S 9 | 8 8 19 | 4° 9'42 | 27°43 | 10°37 | 12°53 | 23°27 | 11°35 | 2°22 | 17°28 | 19°55 | 14°50 | 24°32 | 25°18 | 28°25 | n.a. | S 9 |
| M10 | 8 12 16 | 5° 8'52 | 11♍48 | 10°51 | 12°38 | 24°11 | 11°41 | 2°30 | 17°25 | 19°55 | 14°48 | 24°24 | 25°15 | 28°32 | n.a. | M10 |
| T 11 | 8 16 13 | 6° 8'00 | 25°58 | 11°11 | 12°25 | 24°55 | 11°47 | 2°37 | 17°23 | 19°55 | 14°47 | 24°18 | 25°12 | 28°39 | n.a. | T 11 |
| W12 | 8 20 9 | 7° 7'06 | 10♎ 9 | 11°36 | 12°15 | 25°39 | 11°53 | 2°44 | 17°20 | 19°55 | 14°45 | 24°16 | 25° 9 | 28°45 | n.a. | W12 |
| T 13 | 8 24 6 | 8° 6'10 | 24°20 | 12° 5 | 12° 7 | 26°23 | 11°59 | 2°52 | 17°17 | 19°55 | 14°43 | 24°D15 | 25° 6 | 28°52 | n.a. | T 13 |
| F 14 | 8 28 2 | 9° 5'12 | 8♏27 | 12°39 | 12° 2 | 27° 6 | 12° 5 | 2°59 | 17°15 | 19°54 | 14°42 | 24°R16 | 25° 3 | 28°58 | n.a. | F 14 |
| S 15 | 8 31 59 | 10° 4'12 | 22°31 | 13°16 | 11°59 | 27°50 | 12°11 | 3° 7 | 17°12 | 19°54 | 14°40 | 24°15 | 24°59 | 29° 5 | n.a. | S 15 |
| S 16 | 8 35 55 | 11° 3'11 | 6♐30 | 13°58 | 11°D59 | 28°34 | 12°16 | 3°14 | 17°10 | 19°54 | 14°38 | 24°13 | 24°56 | 29°12 | n.a. | S 16 |
| M17 | 8 39 52 | 12° 2'08 | 20°24 | 14°43 | 12° 1 | 29°17 | 12°22 | 3°21 | 17° 7 | 19°54 | 14°37 | 24° 8 | 24°53 | 29°18 | n.a. | M17 |
| T 18 | 8 43 48 | 13° 1'02 | 4♑11 | 15°32 | 12° 6 | 0♓ 1 | 12°27 | 3°29 | 17° 5 | 19°53 | 14°35 | 24° 0 | 24°50 | 29°25 | n.a. | T 18 |
| W19 | 8 47 45 | 13°59'55 | 17°49 | 16°24 | 12°12 | 0°44 | 12°32 | 3°37 | 17° 2 | 19°53 | 14°33 | 23°51 | 24°47 | 29°32 | n.a. | W19 |
| T 20 | 8 51 42 | 14°58'45 | 1♒15 | 17°19 | 12°21 | 1°28 | 12°36 | 3°44 | 17° 0 | 19°52 | 14°32 | 23°39 | 24°44 | 29°38 | n.a. | T 20 |
| F 21 | 8 55 38 | 15°57'34 | 14°27 | 18°17 | 12°32 | 2°11 | 12°41 | 3°52 | 16°57 | 19°52 | 14°30 | 23°28 | 24°40 | 29°45 | n.a. | F 21 |
| S 22 | 8 59 35 | 16°56'20 | 27°23 | 19°17 | 12°46 | 2°54 | 12°46 | 3°59 | 16°54 | 19°51 | 14°28 | 23°17 | 24°37 | 29°52 | n.a. | S 22 |
| S 23 | 9 3 31 | 17°55'04 | 10♓ 2 | 20°21 | 13° 1 | 3°38 | 12°50 | 4° 7 | 16°52 | 19°51 | 14°27 | 23° 8 | 24°34 | 29°58 | n.a. | S 23 |
| M24 | 9 7 28 | 18°53'46 | 22°26 | 21°27 | 13°18 | 4°21 | 12°54 | 4°15 | 16°49 | 19°50 | 14°25 | 23° 1 | 24°31 | 0♉ 5 | n.a. | M24 |
| T 25 | 9 11 24 | 19°52'25 | 4♈35 | 22°35 | 13°37 | 5° 4 | 12°58 | 4°22 | 16°47 | 19°50 | 14°23 | 22°57 | 24°28 | 0°12 | n.a. | T 25 |
| W26 | 9 15 21 | 20°51'02 | 16°32 | 23°46 | 13°58 | 5°47 | 13° 2 | 4°30 | 16°44 | 19°49 | 14°22 | 22°55 | 24°24 | 0°18 | n.a. | W26 |
| T 27 | 9 19 17 | 21°49'37 | 28°23 | 24°59 | 14°21 | 6°30 | 13° 5 | 4°38 | 16°41 | 19°49 | 14°20 | 22°D55 | 24°21 | 0°25 | n.a. | T 27 |
| F 28 | 9 23 14 | 22♒48'10 | 10♉10 | 26♉14 | 14♉45 | 7♓13 | 13♏ 9 | 4♓46 | 16♌39 | 19♎48 | 14♌18 | 22♈56 | 24♈18 | 0♉31 | n.a. | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21 s20 | 17n56 | 1n36 | 20 s15 | 3n 7 | 14 s45 | 8n14 | 16 s42 | 0 s52 | 14 s36 | 0n45 | 13 s21 | 2 s20 | 16n37 | 0n50 | 6 s 5 | 2n 1 | 33n10 | 17n25 | 10n 9 | 10n 8 | 10n57 | | n.a. |
| S 2 | 21 8 | 22 9 | 2 33 | 20 30 | 2 55 | 14 49 | 8 13 | 16 27 | 0 51 | 14 38 | 0 45 | 13 19 | 2 20 | 16 37 | 0 50 | 6 5 | 2 1 | 33 11 | 17 25 | 10 8 | 10 7 | 11 1 | | n.a. |
| M 3 | 20 56 | 25 30 | 3 25 | 20 45 | 2 42 | 14 55 | 8 11 | 16 13 | 0 51 | 14 41 | 0 45 | 13 16 | 2 20 | 16 38 | 0 50 | 6 5 | 2 1 | 33 11 | 17 26 | 10 6 | 10 6 | 11 4 | | n.a. |
| T 4 | 20 44 | 27 43 | 4 8 | 21 0 | 2 29 | 15 1 | 8 8 | 15 58 | 0 50 | 14 43 | 0 45 | 13 13 | 2 20 | 16 39 | 0 50 | 6 5 | 2 1 | 33 12 | 17 26 | 10 3 | 10 5 | 11 7 | | n.a. |
| W 5 | 20 31 | 28 32 | 4 39 | 21 15 | 2 15 | 15 7 | 8 4 | 15 43 | 0 49 | 14 45 | 0 45 | 13 11 | 2 20 | 16 40 | 0 50 | 6 5 | 2 1 | 33 13 | 17 26 | 9 59 | 10 4 | 11 10 | | n.a. |
| T 6 | 20 18 | 27 46 | 4 57 | 21 29 | 2 1 | 15 14 | 8 0 | 15 28 | 0 49 | 14 47 | 0 45 | 13 8 | 2 19 | 16 40 | 0 50 | 6 5 | 2 1 | 33 13 | 17 26 | 9 55 | 10 3 | 11 14 | | n.a. |
| F 7 | 20 4 | 25 24 | 4 59 | 21 43 | 1 47 | 15 21 | 7 55 | 15 13 | 0 48 | 14 50 | 0 45 | 13 5 | 2 19 | 16 41 | 0 50 | 6 5 | 2 1 | 33 14 | 17 26 | 9 50 | 10 1 | 11 17 | | n.a. |
| S 8 | 19 50 | 21 33 | 4 44 | 21 57 | 1 34 | 15 28 | 7 49 | 14 58 | 0 48 | 14 52 | 0 45 | 13 3 | 2 19 | 16 42 | 0 50 | 6 5 | 2 1 | 33 15 | 17 27 | 9 45 | 10 0 | 11 20 | | n.a. |
| S 9 | 19 36 | 16 26 | 4 12 | 22 10 | 1 20 | 15 36 | 7 43 | 14 43 | 0 47 | 14 54 | 0 45 | 13 0 | 2 19 | 16 43 | 0 51 | 6 5 | 2 1 | 33 15 | 17 27 | 9 41 | 9 59 | 11 23 | | n.a. |
| M10 | 19 22 | 10 25 | 3 24 | 22 22 | 1 6 | 15 44 | 7 36 | 14 28 | 0 47 | 14 56 | 0 45 | 12 57 | 2 19 | 16 44 | 0 51 | 6 5 | 2 1 | 33 16 | 17 27 | 9 38 | 9 58 | 11 27 | | n.a. |
| T 11 | 19 7 | 3 49 | 2 24 | 22 34 | 0 53 | 15 53 | 7 29 | 14 12 | 0 46 | 14 58 | 0 45 | 12 54 | 2 19 | 16 44 | 0 51 | 6 4 | 2 1 | 33 17 | 17 27 | 9 37 | 9 57 | 11 30 | | n.a. |
| W12 | 18 52 | 2 s58 | 1 14 | 22 45 | 0 40 | 16 1 | 7 22 | 13 57 | 0 46 | 15 0 | 0 45 | 12 51 | 2 19 | 16 45 | 0 51 | 6 4 | 2 1 | 33 17 | 17 27 | 9 36 | 9 55 | 11 33 | | n.a. |
| T 13 | 18 37 | 9 37 | 0 s 0 | 22 55 | 0 27 | 16 10 | 7 14 | 13 41 | 0 45 | 15 1 | 0 45 | 12 49 | 2 19 | 16 46 | 0 51 | 6 4 | 2 1 | 33 18 | 17 27 | 9 35 | 9 54 | 11 36 | | n.a. |
| F 14 | 18 21 | 15 47 | 1 15 | 23 4 | 0 14 | 16 18 | 7 5 | 13 25 | 0 45 | 15 3 | 0 45 | 12 46 | 2 19 | 16 47 | 0 51 | 6 4 | 2 2 | 33 19 | 17 27 | 9 35 | 9 53 | 11 40 | | n.a. |
| S 15 | 18 5 | 21 5 | 2 24 | 23 12 | 0 2 | 16 27 | 6 57 | 13 9 | 0 44 | 15 5 | 0 45 | 12 43 | 2 19 | 16 48 | 0 51 | 6 4 | 2 2 | 33 19 | 17 27 | 9 35 | 9 52 | 11 43 | | n.a. |
| S 16 | 17 48 | 25 11 | 3 24 | 23 20 | 0 s 9 | 16 36 | 6 48 | 12 53 | 0 43 | 15 7 | 0 45 | 12 40 | 2 19 | 16 48 | 0 51 | 6 4 | 2 2 | 33 20 | 17 27 | 9 34 | 9 51 | 11 46 | | n.a. |
| M17 | 17 32 | 27 45 | 4 12 | 23 26 | 0 20 | 16 45 | 6 39 | 12 37 | 0 43 | 15 8 | 0 45 | 12 37 | 2 19 | 16 49 | 0 51 | 6 3 | 2 2 | 33 20 | 17 28 | 9 33 | 9 50 | 11 49 | | n.a. |
| T 18 | 17 15 | 28 36 | 4 44 | 23 31 | 0 31 | 16 54 | 6 30 | 12 21 | 0 42 | 15 10 | 0 45 | 12 35 | 2 18 | 16 50 | 0 51 | 6 3 | 2 2 | 33 21 | 17 28 | 9 30 | 9 48 | 11 52 | | n.a. |
| W19 | 16 58 | 27 40 | 5 0 | 23 35 | 0 41 | 17 3 | 6 20 | 12 5 | 0 42 | 15 11 | 0 45 | 12 32 | 2 18 | 16 51 | 0 51 | 6 3 | 2 2 | 33 22 | 17 28 | 9 26 | 9 47 | 11 56 | | n.a. |
| T 20 | 16 40 | 25 9 | 4 59 | 23 37 | 0 51 | 17 11 | 6 10 | 11 49 | 0 41 | 15 13 | 0 45 | 12 29 | 2 18 | 16 52 | 0 51 | 6 3 | 2 2 | 33 22 | 17 28 | 9 22 | 9 46 | 11 59 | | n.a. |
| F 21 | 16 22 | 21 19 | 4 42 | 23 39 | 1 1 | 17 20 | 6 1 | 11 32 | 0 41 | 15 14 | 0 46 | 12 26 | 2 18 | 16 52 | 0 51 | 6 3 | 2 2 | 33 23 | 17 28 | 9 17 | 9 45 | 12 2 | | n.a. |
| S 22 | 16 4 | 16 32 | 4 11 | 23 39 | 1 9 | 17 28 | 5 51 | 11 16 | 0 40 | 15 16 | 0 46 | 12 23 | 2 18 | 16 53 | 0 51 | 6 2 | 2 2 | 33 23 | 17 28 | 9 13 | 9 44 | 12 5 | | n.a. |
| S 23 | 15 46 | 11 9 | 3 28 | 23 38 | 1 18 | 17 37 | 5 41 | 10 59 | 0 40 | 15 17 | 0 46 | 12 20 | 2 18 | 16 54 | 0 51 | 6 2 | 2 2 | 33 24 | 17 28 | 9 10 | 9 42 | 12 9 | | n.a. |
| M24 | 15 28 | 5 26 | 2 35 | 23 35 | 1 26 | 17 45 | 5 31 | 10 43 | 0 39 | 15 18 | 0 46 | 12 17 | 2 18 | 16 55 | 0 51 | 6 2 | 2 2 | 33 24 | 17 28 | 9 7 | 9 41 | 12 12 | | n.a. |
| T 25 | 15 9 | 0n23 | 1 36 | 23 31 | 1 33 | 17 53 | 5 21 | 10 26 | 0 38 | 15 19 | 0 46 | 12 14 | 2 18 | 16 56 | 0 51 | 6 2 | 2 2 | 33 25 | 17 28 | 9 6 | 9 40 | 12 15 | | n.a. |
| W26 | 14 50 | 6 6 | 0 34 | 23 25 | 1 40 | 18 1 | 5 12 | 10 10 | 0 38 | 15 20 | 0 46 | 12 11 | 2 18 | 16 56 | 0 51 | 6 1 | 2 2 | 33 26 | 17 28 | 9 5 | 9 39 | 12 18 | | n.a. |
| T 27 | 14 31 | 11 34 | 0n29 | 23 18 | 1 46 | 18 8 | 5 2 | 9 53 | 0 37 | 15 22 | 0 46 | 12 8 | 2 18 | 16 57 | 0 51 | 6 1 | 2 2 | 33 26 | 17 28 | 9 5 | 9 38 | 12 21 | | n.a. |
| F 28 | 14 s11 | 16n36 | 1n31 | 23 s10 | 1 s52 | 18 s15 | 4n52 | 9 s36 | 0 s37 | 15 s23 | 0n46 | 12 s 6 | 2 s18 | 16n58 | 0n51 | 6 s 1 | 2n 2 | 33n27 | 17n28 | 9n 5 | 9n36 | 12n25 | | n.a. |

Julian Day Number = 998624.5, Delta T = 12h53m53s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'25, Lahiri = -31°14'24 Julian Calendar 1 Feb. 1979 BCE == Greg. Calendar 15 Jan. 1979 BCE


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## MARCH 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 27 10 | 23♒46'40 | 22♉ 1 | 27♋32 | 15♋11 | 7♓56 | 13♏12 | 4♓53 | 16°R36 | 19°R47 | 14°R17 | 22°R56 | 24♈15 | 0♉38 | n.a. | S 1 |
| S 2 | 9 31 7 | 24°45'08 | 3♊59 | 28°51 | 15°39 | 8°39 | 13°15 | 5° 1 | 16♌34 | 19♎46 | 14♌15 | 22♈56 | 24°12 | 0°45 | n.a. | S 2 |
| M 3 | 9 35 3 | 25°43'33 | 16°11 | 0♒12 | 16° 8 | 9°22 | 13°18 | 5° 9 | 16°31 | 19°46 | 14°14 | 22°53 | 24° 9 | 0°51 | n.a. | M 3 |
| T 4 | 9 39 0 | 26°41'57 | 28°40 | 1°35 | 16°38 | 10° 5 | 13°21 | 5°17 | 16°29 | 19°45 | 14°12 | 22°49 | 24° 5 | 0°58 | n.a. | T 4 |
| W 5 | 9 42 57 | 27°40'18 | 11♋32 | 3° 1 | 17°10 | 10°47 | 13°23 | 5°24 | 16°26 | 19°44 | 14°10 | 22°43 | 24° 2 | 1° 5 | n.a. | W 5 |
| T 6 | 9 46 53 | 28°38'37 | 24°46 | 4°28 | 17°44 | 11°30 | 13°26 | 5°32 | 16°24 | 19°43 | 14° 9 | 22°35 | 23°59 | 1°11 | n.a. | T 6 |
| F 7 | 9 50 50 | 29°36'53 | 8♌25 | 5°57 | 18°19 | 12°13 | 13°28 | 5°40 | 16°21 | 19°42 | 14° 7 | 22°26 | 23°56 | 1°18 | n.a. | F 7 |
| S 8 | 9 54 46 | 0♓35'08 | 22°26 | 7°27 | 18°55 | 12°55 | 13°30 | 5°48 | 16°19 | 19°41 | 14° 6 | 22°17 | 23°53 | 1°25 | n.a. | S 8 |
| S 9 | 9 58 43 | 1°33'20 | 6♍44 | 9° 0 | 19°32 | 13°38 | 13°32 | 5°56 | 16°16 | 19°41 | 14° 4 | 22°10 | 23°50 | 1°31 | n.a. | S 9 |
| M10 | 10 2 39 | 2°31'31 | 21°15 | 10°34 | 20°10 | 14°21 | 13°33 | 6° 4 | 16°14 | 19°40 | 14° 2 | 22° 5 | 23°46 | 1°38 | n.a. | M10 |
| T 11 | 10 6 36 | 3°29'40 | 5♎50 | 12°10 | 20°50 | 15° 3 | 13°35 | 6°11 | 16°11 | 19°39 | 14° 1 | 22° 1 | 23°43 | 1°45 | n.a. | T 11 |
| W12 | 10 10 32 | 4°27'47 | 20°25 | 13°48 | 21°30 | 15°45 | 13°36 | 6°19 | 16° 9 | 19°38 | 13°59 | 22°D 0 | 23°40 | 1°51 | n.a. | W12 |
| T 13 | 10 14 29 | 5°25'52 | 4♏55 | 15°28 | 22°12 | 16°28 | 13°37 | 6°27 | 16° 6 | 19°37 | 13°58 | 22° 1 | 23°37 | 1°58 | n.a. | T 13 |
| F 14 | 10 18 25 | 6°23'56 | 19°15 | 17° 9 | 22°55 | 17°10 | 13°38 | 6°35 | 16° 4 | 19°36 | 13°56 | 22° 2 | 23°34 | 2° 5 | n.a. | F 14 |
| S 15 | 10 22 22 | 7°21'58 | 3♐23 | 18°52 | 23°38 | 17°52 | 13°39 | 6°43 | 16° 2 | 19°35 | 13°55 | 22°R 3 | 23°30 | 2°11 | n.a. | S 15 |
| S 16 | 10 26 19 | 8°19'59 | 17°18 | 20°37 | 24°23 | 18°35 | 13°39 | 6°51 | 15°59 | 19°33 | 13°53 | 22° 3 | 23°27 | 2°18 | n.a. | S 16 |
| M17 | 10 30 15 | 9°17'59 | 1♑ 0 | 22°24 | 25° 8 | 19°17 | 13°40 | 6°59 | 15°57 | 19°32 | 13°52 | 22° 1 | 23°24 | 2°25 | n.a. | M17 |
| T 18 | 10 34 12 | 10°15'56 | 14°29 | 24°13 | 25°54 | 19°59 | 13°R40 | 7° 6 | 15°55 | 19°31 | 13°50 | 21°57 | 23°21 | 2°31 | n.a. | T 18 |
| W19 | 10 38 8 | 11°13'53 | 27°45 | 26° 3 | 26°41 | 20°41 | 13°40 | 7°14 | 15°53 | 19°30 | 13°49 | 21°51 | 23°18 | 2°38 | n.a. | W19 |
| T 20 | 10 42 5 | 12°11'48 | 10♒47 | 27°55 | 27°29 | 21°23 | 13°40 | 7°22 | 15°50 | 19°29 | 13°48 | 21°45 | 23°15 | 2°44 | n.a. | T 20 |
| F 21 | 10 46 1 | 13° 9'41 | 23°37 | 29°49 | 28°18 | 22° 5 | 13°39 | 7°30 | 15°48 | 19°28 | 13°46 | 21°38 | 23°11 | 2°51 | n.a. | F 21 |
| S 22 | 10 49 58 | 14° 7'32 | 6♓13 | 1♓45 | 29° 7 | 22°47 | 13°39 | 7°38 | 15°46 | 19°26 | 13°45 | 21°32 | 23° 8 | 2°58 | n.a. | S 22 |
| S 23 | 10 53 54 | 15° 5'22 | 18°36 | 3°42 | 29°57 | 23°29 | 13°38 | 7°46 | 15°44 | 19°25 | 13°43 | 21°27 | 23° 5 | 3° 4 | n.a. | S 23 |
| M24 | 10 57 51 | 16° 3'10 | 0♈48 | 5°41 | 0♒48 | 24°11 | 13°37 | 7°53 | 15°42 | 19°24 | 13°42 | 21°23 | 23° 2 | 3°11 | n.a. | M24 |
| T 25 | 11 1 48 | 17° 0'57 | 12°49 | 7°42 | 1°39 | 24°53 | 13°36 | 8° 1 | 15°40 | 19°23 | 13°41 | 21°21 | 22°59 | 3°18 | n.a. | T 25 |
| W26 | 11 5 44 | 17°58'42 | 24°42 | 9°44 | 2°31 | 25°35 | 13°34 | 8° 9 | 15°38 | 19°21 | 13°39 | 21°D21 | 22°56 | 3°24 | n.a. | W26 |
| T 27 | 11 9 41 | 18°56'25 | 6♉31 | 11°48 | 3°24 | 26°16 | 13°33 | 8°17 | 15°35 | 19°20 | 13°38 | 21°22 | 22°52 | 3°31 | n.a. | T 27 |
| F 28 | 11 13 37 | 19°54'06 | 18°18 | 13°54 | 4°17 | 26°58 | 13°31 | 8°25 | 15°33 | 19°19 | 13°37 | 21°23 | 22°49 | 3°38 | n.a. | F 28 |
| S 29 | 11 17 34 | 20°51'46 | 0♊ 9 | 16° 1 | 5°10 | 27°40 | 13°29 | 8°32 | 15°32 | 19°17 | 13°36 | 21°25 | 22°46 | 3°44 | n.a. | S 29 |
| S 30 | 11 21 30 | 21°49'24 | 12° 7 | 18° 9 | 6° 4 | 28°21 | 13°27 | 8°40 | 15°30 | 19°16 | 13°34 | 21°26 | 22°43 | 3°51 | n.a. | S 30 |
| M31 | 11 25 27 | 22♓47'00 | 24♊18 | 20♓18 | 6♒59 | 29♓ 3 | 13♏25 | 8♓48 | 15♌28 | 19♎15 | 13♌33 | 21°R27 | 22♈40 | 3♉58 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 13s52 | 21n 2 | 2n29 | 23s 0 | 1s58 | 18s22 | 4n42 | 9s19 | 0s36 | 15s24 | 0n46 | 12s 3 | 2s18 | 16n59 | 0n51 | 6s 0 | 2n 2 | 33n27 | 17n28 | 9n 6 | 9n35 | 12n28 | | n.a. |
| S 2 | 13 32 | 24 40 | 3 22 | 22 48 | 2 2 | 18 29 | 4 32 | 9 2 | 0 35 | 15 25 | 0 46 | 12 0 | 2 18 | 17 0 | 0 51 | 6 0 | 2 2 | 33 27 | 17 27 | 9 5 | 9 34 | 12 31 | | n.a. |
| M 3 | 13 12 | 27 16 | 4 6 | 22 35 | 2 7 | 18 35 | 4 23 | 8 45 | 0 35 | 15 25 | 0 46 | 11 57 | 2 18 | 17 0 | 0 51 | 6 0 | 2 3 | 33 28 | 17 27 | 9 5 | 9 33 | 12 34 | | n.a. |
| T 4 | 12 52 | 28 35 | 4 40 | 22 20 | 2 11 | 18 41 | 4 13 | 8 28 | 0 34 | 15 26 | 0 46 | 11 54 | 2 18 | 17 1 | 0 51 | 5 59 | 2 3 | 33 28 | 17 27 | 9 3 | 9 32 | 12 37 | | n.a. |
| W 5 | 12 31 | 28 24 | 5 0 | 22 3 | 2 14 | 18 46 | 4 3 | 8 11 | 0 34 | 15 27 | 0 46 | 11 51 | 2 18 | 17 2 | 0 51 | 5 59 | 2 3 | 33 29 | 17 27 | 9 0 | 9 30 | 12 40 | | n.a. |
| T 6 | 12 11 | 26 37 | 5 6 | 21 45 | 2 17 | 18 52 | 3 54 | 7 54 | 0 33 | 15 28 | 0 46 | 11 48 | 2 18 | 17 3 | 0 51 | 5 59 | 2 3 | 33 29 | 17 27 | 8 57 | 9 29 | 12 44 | | n.a. |
| F 7 | 11 50 | 23 15 | 4 54 | 21 24 | 2 19 | 18 56 | 3 44 | 7 37 | 0 33 | 15 28 | 0 46 | 11 45 | 2 18 | 17 3 | 0 51 | 5 58 | 2 3 | 33 30 | 17 27 | 8 54 | 9 28 | 12 47 | | n.a. |
| S 8 | 11 29 | 18 29 | 4 25 | 21 2 | 2 21 | 19 1 | 3 35 | 7 20 | 0 32 | 15 29 | 0 46 | 11 42 | 2 18 | 17 4 | 0 51 | 5 58 | 2 3 | 33 30 | 17 27 | 8 51 | 9 27 | 12 50 | | n.a. |
| S 9 | 11 8 | 12 36 | 3 39 | 20 39 | 2 22 | 19 5 | 3 26 | 7 3 | 0 31 | 15 29 | 0 46 | 11 39 | 2 18 | 17 5 | 0 51 | 5 58 | 2 3 | 33 30 | 17 27 | 8 48 | 9 26 | 12 53 | | n.a. |
| M10 | 10 47 | 5 57 | 2 38 | 20 13 | 2 23 | 19 8 | 3 17 | 6 45 | 0 31 | 15 30 | 0 46 | 11 36 | 2 18 | 17 6 | 0 51 | 5 57 | 2 3 | 33 31 | 17 27 | 8 46 | 9 25 | 12 56 | | n.a. |
| T 11 | 10 26 | 1s 3 | 1 26 | 19 46 | 2 23 | 19 11 | 3 8 | 6 28 | 0 30 | 15 30 | 0 46 | 11 33 | 2 18 | 17 6 | 0 51 | 5 57 | 2 3 | 33 31 | 17 26 | 8 45 | 9 23 | 13 0 | | n.a. |
| W12 | 10 4 | 8 0 | 0 9 | 19 17 | 2 22 | 19 14 | 2 59 | 6 11 | 0 30 | 15 31 | 0 46 | 11 30 | 2 18 | 17 7 | 0 51 | 5 56 | 2 3 | 33 31 | 17 26 | 8 44 | 9 22 | 13 3 | | n.a. |
| T 13 | 9 42 | 14 30 | 1s 9 | 18 46 | 2 21 | 19 16 | 2 50 | 5 54 | 0 29 | 15 31 | 0 46 | 11 27 | 2 18 | 17 8 | 0 50 | 5 56 | 2 3 | 33 32 | 17 26 | 8 45 | 9 21 | 13 6 | | n.a. |
| F 14 | 9 21 | 20 10 | 2 22 | 18 13 | 2 20 | 19 17 | 2 41 | 5 36 | 0 28 | 15 31 | 0 46 | 11 24 | 2 18 | 17 9 | 0 50 | 5 55 | 2 3 | 33 32 | 17 26 | 8 45 | 9 20 | 13 9 | | n.a. |
| S 15 | 8 59 | 24 36 | 3 25 | 17 39 | 2 18 | 19 18 | 2 33 | 5 19 | 0 28 | 15 32 | 0 46 | 11 21 | 2 18 | 17 9 | 0 50 | 5 55 | 2 3 | 33 32 | 17 26 | 8 45 | 9 19 | 13 12 | | n.a. |
| S 16 | 8 37 | 27 32 | 4 15 | 17 2 | 2 15 | 19 19 | 2 24 | 5 1 | 0 27 | 15 32 | 0 46 | 11 18 | 2 18 | 17 10 | 0 50 | 5 54 | 2 3 | 33 33 | 17 26 | 8 45 | 9 17 | 13 15 | | n.a. |
| M17 | 8 14 | 28 44 | 4 49 | 16 24 | 2 12 | 19 19 | 2 16 | 4 44 | 0 27 | 15 32 | 0 46 | 11 15 | 2 18 | 17 11 | 0 50 | 5 54 | 2 3 | 33 33 | 17 25 | 8 45 | 9 16 | 13 19 | | n.a. |
| T 18 | 7 52 | 28 12 | 5 7 | 15 44 | 2 8 | 19 18 | 2 8 | 4 27 | 0 26 | 15 32 | 0 46 | 11 12 | 2 18 | 17 11 | 0 50 | 5 54 | 2 3 | 33 33 | 17 25 | 8 43 | 9 15 | 13 22 | | n.a. |
| W19 | 7 30 | 26 3 | 5 8 | 15 2 | 2 4 | 19 17 | 1 59 | 4 9 | 0 26 | 15 32 | 0 46 | 11 9 | 2 18 | 17 12 | 0 50 | 5 53 | 2 3 | 33 33 | 17 25 | 8 41 | 9 14 | 13 25 | | n.a. |
| T 20 | 7 7 | 22 34 | 4 53 | 14 18 | 1 59 | 19 16 | 1 52 | 3 52 | 0 25 | 15 32 | 0 46 | 11 6 | 2 18 | 17 13 | 0 50 | 5 53 | 2 3 | 33 34 | 17 25 | 8 39 | 9 13 | 13 28 | | n.a. |
| F 21 | 6 45 | 18 3 | 4 23 | 13 32 | 1 54 | 19 14 | 1 44 | 3 34 | 0 24 | 15 32 | 0 46 | 11 3 | 2 18 | 17 13 | 0 50 | 5 52 | 2 3 | 33 34 | 17 24 | 8 36 | 9 11 | 13 31 | | n.a. |
| S 22 | 6 22 | 12 49 | 3 41 | 12 44 | 1 48 | 19 11 | 1 36 | 3 17 | 0 24 | 15 31 | 0 46 | 11 0 | 2 18 | 17 14 | 0 50 | 5 52 | 2 3 | 33 34 | 17 24 | 8 34 | 9 10 | 13 34 | | n.a. |
| S 23 | 5 59 | 7 11 | 2 49 | 11 55 | 1 41 | 19 8 | 1 28 | 2 59 | 0 23 | 15 31 | 0 46 | 10 57 | 2 18 | 17 15 | 0 50 | 5 51 | 2 3 | 33 34 | 17 24 | 8 32 | 9 9 | 13 37 | | n.a. |
| M24 | 5 37 | 1 21 | 1 50 | 11 4 | 1 34 | 19 4 | 1 21 | 2 42 | 0 23 | 15 31 | 0 46 | 10 55 | 2 18 | 17 15 | 0 50 | 5 51 | 2 3 | 33 35 | 17 24 | 8 30 | 9 8 | 13 41 | | n.a. |
| T 25 | 5 14 | 4n27 | 0 46 | 10 11 | 1 27 | 19 0 | 1 14 | 2 25 | 0 22 | 15 31 | 0 46 | 10 52 | 2 18 | 17 16 | 0 50 | 5 50 | 2 3 | 33 35 | 17 23 | 8 29 | 9 7 | 13 44 | | n.a. |
| W26 | 4 51 | 10 3 | 0n18 | 9 17 | 1 19 | 18 55 | 1 6 | 2 7 | 0 21 | 15 30 | 0 46 | 10 49 | 2 18 | 17 16 | 0 50 | 5 49 | 2 4 | 33 35 | 17 23 | 8 29 | 9 5 | 13 47 | | n.a. |
| T 27 | 4 28 | 15 15 | 1 22 | 8 21 | 1 10 | 18 50 | 0 59 | 1 50 | 0 21 | 15 30 | 0 46 | 10 46 | 2 18 | 17 17 | 0 50 | 5 49 | 2 4 | 33 35 | 17 23 | 8 30 | 9 4 | 13 50 | | n.a. |
| F 28 | 4 5 | 19 54 | 2 22 | 7 24 | 1 1 | 18 44 | 0 52 | 1 32 | 0 20 | 15 29 | 0 46 | 10 43 | 2 18 | 17 18 | 0 50 | 5 48 | 2 4 | 33 35 | 17 22 | 8 30 | 9 3 | 13 53 | | n.a. |
| S 29 | 3 42 | 23 48 | 3 17 | 6 25 | 0 52 | 18 37 | 0 46 | 1 15 | 0 20 | 15 29 | 0 46 | 10 40 | 2 18 | 17 18 | 0 50 | 5 48 | 2 4 | 33 35 | 17 22 | 8 31 | 9 2 | 13 56 | | n.a. |
| S 30 | 3 18 | 26 43 | 4 3 | 5 26 | 0 42 | 18 30 | 0 39 | 0 57 | 0 19 | 15 28 | 0 46 | 10 37 | 2 19 | 17 19 | 0 50 | 5 47 | 2 4 | 33 35 | 17 22 | 8 31 | 9 1 | 13 59 | | n.a. |
| M31 | 2s55 | 28n27 | 4n40 | 4s25 | 0s32 | 18s23 | 0n32 | 0s40 | 0s18 | 15s27 | 0n46 | 10s34 | 2s19 | 17n19 | 0n50 | 5s47 | 2n 4 | 33n35 | 17n21 | 8n32 | 8n59 | 14n 2 | | n.a. |

Julian Day Number = 998652.5, Delta T = 12h53m51s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'21, Lahiri = -31°14'21 Julian Calendar 1 March 1979 BCE == Greg. Calendar 12 Feb. 1979 BCE

The year -1978 astronomical counting style corresponds to year 1979 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## APRIL 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 29 23 | 23♓44'35 | 6♋46 | 22♓27 | 7♒54 | 29♓44 | 13°R22 | 8♓55 | 15°R26 | 19°R13 | 13°R32 | 21°R26 | 22♈36 | 4♉ 4 | n.a. | T 1 |
| W 2 | 11 33 20 | 24°42'08 | 19°36 | 24°38 | 8°50 | 0♈26 | 13♏19 | 9° 3 | 15♌24 | 19♎12 | 13♌31 | 21♈24 | 22°33 | 4°11 | n.a. | W 2 |
| T 3 | 11 37 17 | 25°39'39 | 2♌50 | 26°49 | 9°46 | 1° 7 | 13°17 | 9°11 | 15°22 | 19°10 | 13°30 | 21°21 | 22°30 | 4°18 | n.a. | T 3 |
| F 4 | 11 41 13 | 26°37'09 | 16°32 | 28°59 | 10°43 | 1°48 | 13°14 | 9°18 | 15°21 | 19° 9 | 13°29 | 21°18 | 22°27 | 4°24 | n.a. | F 4 |
| S 5 | 11 45 10 | 27°34'37 | 0♍38 | 1♈10 | 11°39 | 2°30 | 13°10 | 9°26 | 15°19 | 19° 7 | 13°27 | 21°14 | 22°24 | 4°31 | n.a. | S 5 |
| S 6 | 11 49 6 | 28°32'03 | 15° 8 | 3°20 | 12°37 | 3°11 | 13° 7 | 9°34 | 15°17 | 19° 6 | 13°26 | 21°12 | 22°21 | 4°37 | n.a. | S 6 |
| M 7 | 11 53 3 | 29°29'28 | 29°55 | 5°30 | 13°35 | 3°52 | 13° 4 | 9°41 | 15°16 | 19° 4 | 13°25 | 21°10 | 22°17 | 4°44 | n.a. | M 7 |
| T 8 | 11 56 59 | 0♈26'52 | 14♎51 | 7°39 | 14°33 | 4°33 | 13° 0 | 9°49 | 15°14 | 19° 3 | 13°24 | 21°D 9 | 22°14 | 4°51 | n.a. | T 8 |
| W 9 | 12 0 56 | 1°24'15 | 29°49 | 9°46 | 15°31 | 5°15 | 12°56 | 9°56 | 15°12 | 19° 1 | 13°23 | 21° 9 | 22°11 | 4°57 | n.a. | W 9 |
| T 10 | 12 4 52 | 2°21'37 | 14♏41 | 11°52 | 16°30 | 5°56 | 12°52 | 10° 4 | 15°11 | 19° 0 | 13°22 | 21° 9 | 22° 8 | 5° 4 | n.a. | T 10 |
| F 11 | 12 8 49 | 3°18'58 | 29°20 | 13°56 | 17°30 | 6°37 | 12°48 | 10°11 | 15°10 | 18°58 | 13°21 | 21°11 | 22° 5 | 5°11 | n.a. | F 11 |
| S 12 | 12 12 45 | 4°16'18 | 13♐42 | 15°59 | 18°29 | 7°18 | 12°43 | 10°19 | 15° 8 | 18°57 | 13°21 | 21°12 | 22° 1 | 5°17 | n.a. | S 12 |
| S 13 | 12 16 42 | 5°13'38 | 27°44 | 17°59 | 19°29 | 7°59 | 12°39 | 10°26 | 15° 7 | 18°55 | 13°20 | 21°12 | 21°58 | 5°24 | n.a. | S 13 |
| M14 | 12 20 39 | 6°10'57 | 11♑25 | 19°57 | 20°30 | 8°40 | 12°34 | 10°33 | 15° 5 | 18°54 | 13°19 | 21°R13 | 21°55 | 5°31 | n.a. | M14 |
| T 15 | 12 24 35 | 7° 8'15 | 24°46 | 21°53 | 21°30 | 9°21 | 12°29 | 10°41 | 15° 4 | 18°52 | 13°18 | 21°12 | 21°52 | 5°37 | n.a. | T 15 |
| W16 | 12 28 32 | 8° 5'32 | 7♒49 | 23°46 | 22°31 | 10° 1 | 12°24 | 10°48 | 15° 3 | 18°51 | 13°17 | 21°11 | 21°49 | 5°44 | n.a. | W16 |
| T 17 | 12 32 28 | 9° 2'48 | 20°35 | 25°37 | 23°33 | 10°42 | 12°19 | 10°55 | 15° 2 | 18°49 | 13°16 | 21° 9 | 21°46 | 5°51 | n.a. | T 17 |
| F 18 | 12 36 25 | 10° 0'04 | 3♓ 6 | 27°25 | 24°34 | 11°23 | 12°14 | 11° 3 | 15° 1 | 18°47 | 13°16 | 21° 8 | 21°42 | 5°57 | n.a. | F 18 |
| S 19 | 12 40 21 | 10°57'19 | 15°25 | 29°10 | 25°36 | 12° 4 | 12° 9 | 11°10 | 15° 0 | 18°46 | 13°15 | 21° 6 | 21°39 | 6° 4 | n.a. | S 19 |
| S 20 | 12 44 18 | 11°54'33 | 27°33 | 0♉53 | 26°38 | 12°44 | 12° 3 | 11°17 | 14°58 | 18°44 | 13°14 | 21° 5 | 21°36 | 6°11 | n.a. | S 20 |
| M21 | 12 48 15 | 12°51'46 | 9♈33 | 2°33 | 27°40 | 13°25 | 11°57 | 11°24 | 14°57 | 18°43 | 13°14 | 21° 5 | 21°33 | 6°17 | n.a. | M21 |
| T 22 | 12 52 11 | 13°48'59 | 21°27 | 4°11 | 28°43 | 14° 6 | 11°51 | 11°31 | 14°57 | 18°41 | 13°13 | 21°D 4 | 21°30 | 6°24 | n.a. | T 22 |
| W23 | 12 56 8 | 14°46'11 | 3♉16 | 5°45 | 29°46 | 14°46 | 11°46 | 11°38 | 14°56 | 18°39 | 13°12 | 21° 4 | 21°27 | 6°31 | n.a. | W23 |
| T 24 | 13 0 4 | 15°43'22 | 15° 3 | 7°17 | 0♓49 | 15°27 | 11°39 | 11°45 | 14°55 | 18°38 | 13°12 | 21° 5 | 21°23 | 6°37 | n.a. | T 24 |
| F 25 | 13 4 1 | 16°40'32 | 26°51 | 8°46 | 1°52 | 16° 7 | 11°33 | 11°52 | 14°54 | 18°36 | 13°11 | 21° 5 | 21°20 | 6°44 | n.a. | F 25 |
| S 26 | 13 7 57 | 17°37'42 | 8♊43 | 10°12 | 2°55 | 16°48 | 11°27 | 11°59 | 14°53 | 18°34 | 13°11 | 21° 6 | 21°17 | 6°50 | n.a. | S 26 |
| S 27 | 13 11 54 | 18°34'50 | 20°43 | 11°35 | 3°59 | 17°28 | 11°20 | 12° 6 | 14°53 | 18°33 | 13°10 | 21° 6 | 21°14 | 6°57 | n.a. | S 27 |
| M28 | 13 15 50 | 19°31'58 | 2♋54 | 12°55 | 5° 3 | 18° 9 | 11°14 | 12°13 | 14°52 | 18°31 | 13°10 | 21° 6 | 21°11 | 7° 4 | n.a. | M28 |
| T 29 | 13 19 47 | 20°29'05 | 15°21 | 14°13 | 6° 7 | 18°49 | 11° 7 | 12°20 | 14°51 | 18°30 | 13°10 | 21° 6 | 21° 7 | 7°10 | n.a. | T 29 |
| W30 | 13 23 44 | 21♈26'11 | 28♋ 8 | 15♉27 | 7♓11 | 19♈29 | 11♏ 1 | 12♓26 | 14♌51 | 18♎28 | 13♌ 9 | 21♈ 6 | 21♈ 4 | 7♉17 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s32 | 28n48 | 5n 4 | 3s24 | 0s22 | 18s15 | 0n26 | 0s23 | 0s18 | 15s26 | 0n46 | 10s31 | 2s19 | 17n20 | 0n50 | 5s46 | 2n 4 | 33n35 | 17n21 | 8n31 | 8n58 | 14n 6 | | n.a. |
| W 2 | 2 9 | 27 38 | 5 14 | 2 21 | 0 12 | 18 6 | 0 20 | 0 5 | 0 17 | 15 26 | 0 46 | 10 28 | 2 19 | 17 20 | 0 50 | 5 46 | 2 4 | 33 35 | 17 21 | 8 31 | 8 57 | 14 9 | | n.a. |
| T 3 | 1 45 | 24 54 | 5 8 | 1 19 | 0 1 | 17 57 | 0 14 | 0n12 | 0 17 | 15 25 | 0 46 | 10 25 | 2 19 | 17 21 | 0 50 | 5 45 | 2 4 | 33 35 | 17 20 | 8 29 | 8 56 | 14 12 | | n.a. |
| F 4 | 1 22 | 20 42 | 4 44 | 0 16 | 0n 9 | 17 47 | 0 8 | 0 29 | 0 16 | 15 24 | 0 46 | 10 23 | 2 19 | 17 21 | 0 50 | 5 44 | 2 4 | 33 35 | 17 20 | 8 28 | 8 54 | 14 15 | | n.a. |
| S 5 | 0 59 | 15 15 | 4 3 | 0n47 | 0 20 | 17 37 | 0 2 | 0 47 | 0 15 | 15 23 | 0 46 | 10 20 | 2 19 | 17 22 | 0 50 | 5 44 | 2 4 | 33 35 | 17 20 | 8 27 | 8 53 | 14 18 | | n.a. |
| S 6 | 0 36 | 8 49 | 3 6 | 1 49 | 0 30 | 17 26 | 0s 4 | 1 4 | 0 15 | 15 22 | 0 46 | 10 17 | 2 19 | 17 22 | 0 50 | 5 43 | 2 4 | 33 35 | 17 19 | 8 26 | 8 52 | 14 21 | | n.a. |
| M 7 | 0 12 | 1 47 | 1 54 | 2 51 | 0 41 | 17 14 | 0 10 | 1 21 | 0 14 | 15 21 | 0 46 | 10 14 | 2 19 | 17 23 | 0 50 | 5 43 | 2 4 | 33 35 | 17 19 | 8 25 | 8 51 | 14 24 | | n.a. |
| T 8 | 0n11 | 5s26 | 0 35 | 3 52 | 0 51 | 17 2 | 0 15 | 1 38 | 0 14 | 15 20 | 0 46 | 10 11 | 2 19 | 17 23 | 0 50 | 5 42 | 2 4 | 33 35 | 17 19 | 8 25 | 8 50 | 14 27 | | n.a. |
| W 9 | 0 34 | 12 23 | 0s48 | 4 52 | 1 1 | 16 50 | 0 20 | 1 55 | 0 13 | 15 19 | 0 46 | 10 8 | 2 19 | 17 24 | 0 50 | 5 41 | 2 4 | 33 35 | 17 18 | 8 25 | 8 48 | 14 30 | | n.a. |
| T 10 | 0 57 | 18 35 | 2 6 | 5 51 | 1 10 | 16 37 | 0 26 | 2 13 | 0 12 | 15 17 | 0 46 | 10 6 | 2 19 | 17 24 | 0 50 | 5 41 | 2 4 | 33 35 | 17 18 | 8 25 | 8 47 | 14 34 | | n.a. |
| F 11 | 1 21 | 23 36 | 3 16 | 6 49 | 1 19 | 16 23 | 0 31 | 2 30 | 0 12 | 15 16 | 0 46 | 10 3 | 2 20 | 17 24 | 0 50 | 5 40 | 2 4 | 33 35 | 17 17 | 8 25 | 8 46 | 14 37 | | n.a. |
| S 12 | 1 44 | 27 4 | 4 11 | 7 45 | 1 28 | 16 9 | 0 36 | 2 47 | 0 11 | 15 15 | 0 46 | 10 0 | 2 20 | 17 25 | 0 50 | 5 40 | 2 4 | 33 35 | 17 17 | 8 26 | 8 45 | 14 40 | | n.a. |
| S 13 | 2 7 | 28 44 | 4 50 | 8 40 | 1 36 | 15 55 | 0 41 | 3 4 | 0 11 | 15 14 | 0 46 | 9 57 | 2 20 | 17 25 | 0 50 | 5 39 | 2 4 | 33 35 | 17 17 | 8 26 | 8 44 | 14 43 | | n.a. |
| M14 | 2 30 | 28 36 | 5 12 | 9 32 | 1 43 | 15 40 | 0 45 | 3 21 | 0 10 | 15 12 | 0 45 | 9 54 | 2 20 | 17 26 | 0 50 | 5 38 | 2 4 | 33 35 | 17 16 | 8 26 | 8 42 | 14 46 | | n.a. |
| T 15 | 2 53 | 26 47 | 5 16 | 10 23 | 1 50 | 15 24 | 0 50 | 3 38 | 0 9 | 15 11 | 0 45 | 9 52 | 2 20 | 17 26 | 0 50 | 5 38 | 2 4 | 33 35 | 17 16 | 8 26 | 8 41 | 14 49 | | n.a. |
| W16 | 3 16 | 23 33 | 5 3 | 11 12 | 1 56 | 15 8 | 0 54 | 3 55 | 0 9 | 15 9 | 0 45 | 9 49 | 2 20 | 17 26 | 0 50 | 5 37 | 2 4 | 33 35 | 17 15 | 8 25 | 8 40 | 14 52 | | n.a. |
| T 17 | 3 39 | 19 16 | 4 36 | 11 59 | 2 2 | 14 52 | 0 59 | 4 12 | 0 8 | 15 8 | 0 45 | 9 46 | 2 20 | 17 27 | 0 50 | 5 37 | 2 4 | 33 34 | 17 15 | 8 25 | 8 39 | 14 55 | | n.a. |
| F 18 | 4 2 | 14 13 | 3 56 | 12 44 | 2 7 | 14 35 | 1 3 | 4 28 | 0 8 | 15 6 | 0 45 | 9 44 | 2 20 | 17 27 | 0 50 | 5 36 | 2 4 | 33 34 | 17 14 | 8 24 | 8 38 | 14 58 | | n.a. |
| S 19 | 4 25 | 8 42 | 3 5 | 13 26 | 2 11 | 14 17 | 1 7 | 4 45 | 0 7 | 15 4 | 0 45 | 9 41 | 2 21 | 17 27 | 0 50 | 5 35 | 2 4 | 33 34 | 17 14 | 8 24 | 8 36 | 15 1 | | n.a. |
| S 20 | 4 48 | 2 55 | 2 7 | 14 7 | 2 15 | 14 0 | 1 11 | 5 2 | 0 7 | 15 3 | 0 45 | 9 38 | 2 21 | 17 27 | 0 49 | 5 35 | 2 4 | 33 34 | 17 13 | 8 23 | 8 35 | 15 4 | | n.a. |
| M21 | 5 11 | 2n53 | 1 3 | 14 45 | 2 17 | 13 41 | 1 14 | 5 19 | 0 6 | 15 1 | 0 45 | 9 36 | 2 21 | 17 28 | 0 49 | 5 34 | 2 4 | 33 34 | 17 13 | 8 23 | 8 34 | 15 7 | | n.a. |
| T 22 | 5 33 | 8 34 | 0n 2 | 15 21 | 2 19 | 13 23 | 1 18 | 5 35 | 0 5 | 14 59 | 0 45 | 9 33 | 2 21 | 17 28 | 0 49 | 5 33 | 2 4 | 33 33 | 17 13 | 8 23 | 8 33 | 15 10 | | n.a. |
| W23 | 5 56 | 13 54 | 1 7 | 15 55 | 2 21 | 13 3 | 1 22 | 5 52 | 0 5 | 14 57 | 0 45 | 9 30 | 2 21 | 17 28 | 0 49 | 5 33 | 2 4 | 33 33 | 17 12 | 8 23 | 8 32 | 15 13 | | n.a. |
| T 24 | 6 19 | 18 44 | 2 9 | 16 26 | 2 21 | 12 44 | 1 25 | 6 8 | 0 4 | 14 56 | 0 45 | 9 28 | 2 21 | 17 28 | 0 49 | 5 32 | 2 4 | 33 33 | 17 12 | 8 23 | 8 30 | 15 16 | | n.a. |
| F 25 | 6 41 | 22 52 | 3 6 | 16 56 | 2 21 | 12 24 | 1 28 | 6 25 | 0 4 | 14 54 | 0 45 | 9 25 | 2 21 | 17 29 | 0 49 | 5 32 | 2 4 | 33 33 | 17 11 | 8 23 | 8 29 | 15 20 | | n.a. |
| S 26 | 7 3 | 26 4 | 3 55 | 17 23 | 2 20 | 12 3 | 1 32 | 6 41 | 0 3 | 14 52 | 0 45 | 9 23 | 2 21 | 17 29 | 0 49 | 5 31 | 2 4 | 33 32 | 17 11 | 8 24 | 8 28 | 15 23 | | n.a. |
| S 27 | 7 25 | 28 9 | 4 34 | 17 49 | 2 19 | 11 43 | 1 35 | 6 57 | 0 2 | 14 50 | 0 45 | 9 20 | 2 22 | 17 29 | 0 49 | 5 30 | 2 4 | 33 32 | 17 10 | 8 24 | 8 27 | 15 26 | | n.a. |
| M28 | 7 48 | 28 55 | 5 2 | 18 12 | 2 17 | 11 21 | 1 38 | 7 14 | 0 2 | 14 48 | 0 45 | 9 17 | 2 22 | 17 29 | 0 49 | 5 30 | 2 4 | 33 32 | 17 10 | 8 24 | 8 25 | 15 29 | | n.a. |
| T 29 | 8 10 | 28 15 | 5 16 | 18 33 | 2 13 | 11 0 | 1 40 | 7 30 | 0 1 | 14 46 | 0 44 | 9 15 | 2 22 | 17 29 | 0 49 | 5 29 | 2 4 | 33 31 | 17 9 | 8 24 | 8 24 | 15 32 | | n.a. |
| W30 | 8n31 | 26n 6 | 5n15 | 18n52 | 2n10 | 10s38 | 1s43 | 7n46 | 0s 1 | 14s44 | 0n44 | 9s13 | 2s22 | 17n29 | 0n49 | 5s29 | 2n 4 | 33n31 | 17n 9 | 8n24 | 8n23 | 15n35 | | n.a. |

Julian Day Number = 998683.5, Delta T = 12h53m49s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'17, Lahiri = -31°14'16 Julian Calendar 1 Apr. 1979 BCE == Greg. Calendar 15 March 1979 BCE


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## MAY 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 27 40 | 22♈23'17 | 11♌17 | 16♉38 | 8♓16 | 20♈ 9 | 10°R54 | 12♓33 | 14°R50 | 18°R26 | 13°R 9 | 21♈ 6 | 21♈ 1 | 7♉24 | n.a. | T 1 |
| F 2 | 13 31 37 | 23°20'21 | 24°53 | 17°47 | 9°20 | 20°50 | 10♏47 | 12°40 | 14♌50 | 18♎25 | 13♌ 9 | 21° 7 | 20°58 | 7°30 | n.a. | F 2 |
| S 3 | 13 35 33 | 24°17'25 | 8♍55 | 18°51 | 10°25 | 21°30 | 10°40 | 12°46 | 14°49 | 18°23 | 13° 8 | 21° 7 | 20°55 | 7°37 | n.a. | S 3 |
| S 4 | 13 39 30 | 25°14'28 | 23°23 | 19°53 | 11°30 | 22°10 | 10°33 | 12°53 | 14°49 | 18°22 | 13° 8 | 21° 7 | 20°52 | 7°44 | n.a. | S 4 |
| M 5 | 13 43 26 | 26°11'31 | 8♎12 | 20°52 | 12°36 | 22°50 | 10°26 | 12°59 | 14°49 | 18°20 | 13° 8 | 21° 7 | 20°48 | 7°50 | n.a. | M 5 |
| T 6 | 13 47 23 | 27° 8'33 | 23°16 | 21°46 | 13°41 | 23°30 | 10°18 | 13° 6 | 14°49 | 18°18 | 13° 8 | 21°R 7 | 20°45 | 7°57 | n.a. | T 6 |
| W 7 | 13 51 19 | 28° 5'35 | 8♏28 | 22°38 | 14°47 | 24°10 | 10°11 | 13°12 | 14°48 | 18°17 | 13° 8 | 21° 7 | 20°42 | 8° 4 | n.a. | W 7 |
| T 8 | 13 55 16 | 29° 2'37 | 23°36 | 23°26 | 15°52 | 24°50 | 10° 4 | 13°18 | 14°48 | 18°15 | 13° 7 | 21° 7 | 20°39 | 8°10 | n.a. | T 8 |
| F 9 | 13 59 13 | 29°59'38 | 8♐33 | 24°10 | 16°58 | 25°30 | 9°56 | 13°25 | 14°48 | 18°14 | 13° 7 | 21° 6 | 20°36 | 8°17 | n.a. | F 9 |
| S 10 | 14 3 9 | 0♉56'40 | 23°10 | 24°50 | 18° 4 | 26°10 | 9°49 | 13°31 | 14°D48 | 18°12 | 13° 7 | 21° 5 | 20°32 | 8°24 | n.a. | S 10 |
| S 11 | 14 7 6 | 1°53'42 | 7♑24 | 25°26 | 19°11 | 26°50 | 9°41 | 13°37 | 14°48 | 18°11 | 13°D 7 | 21° 4 | 20°29 | 8°30 | n.a. | S 11 |
| M12 | 14 11 2 | 2°50'44 | 21°12 | 25°58 | 20°17 | 27°30 | 9°34 | 13°43 | 14°48 | 18° 9 | 13° 7 | 21° 3 | 20°26 | 8°37 | n.a. | M12 |
| T 13 | 14 14 59 | 3°47'47 | 4♒34 | 26°26 | 21°23 | 28° 9 | 9°26 | 13°49 | 14°48 | 18° 7 | 13° 7 | 21°D 3 | 20°23 | 8°44 | n.a. | T 13 |
| W14 | 14 18 55 | 4°44'49 | 17°33 | 26°50 | 22°30 | 28°49 | 9°19 | 13°55 | 14°49 | 18° 6 | 13° 8 | 21° 3 | 20°20 | 8°50 | n.a. | W14 |
| T 15 | 14 22 52 | 5°41'52 | 0♓11 | 27° 9 | 23°37 | 29°29 | 9°11 | 14° 1 | 14°49 | 18° 4 | 13° 8 | 21° 4 | 20°17 | 8°57 | n.a. | T 15 |
| F 16 | 14 26 49 | 6°38'55 | 12°32 | 27°24 | 24°44 | 0♉ 9 | 9° 3 | 14° 7 | 14°49 | 18° 3 | 13° 8 | 21° 5 | 20°13 | 9° 4 | n.a. | F 16 |
| S 17 | 14 30 45 | 7°35'58 | 24°40 | 27°34 | 25°51 | 0°48 | 8°56 | 14°13 | 14°50 | 18° 1 | 13° 8 | 21° 7 | 20°10 | 9°10 | n.a. | S 17 |
| S 18 | 14 34 42 | 8°33'01 | 6♈38 | 27°40 | 26°58 | 1°28 | 8°48 | 14°18 | 14°50 | 18° 0 | 13° 8 | 21° 8 | 20° 7 | 9°17 | n.a. | S 18 |
| M19 | 14 38 38 | 9°30'05 | 18°29 | 27°R41 | 28° 6 | 2° 8 | 8°40 | 14°24 | 14°50 | 17°58 | 13° 8 | 21°R 8 | 20° 4 | 9°23 | n.a. | M19 |
| T 20 | 14 42 35 | 10°27'09 | 0♉18 | 27°37 | 29°13 | 2°47 | 8°33 | 14°29 | 14°51 | 17°57 | 13° 9 | 21° 8 | 20° 1 | 9°30 | n.a. | T 20 |
| W21 | 14 46 31 | 11°24'13 | 12° 5 | 27°29 | 0♈21 | 3°27 | 8°25 | 14°35 | 14°51 | 17°55 | 13° 9 | 21° 7 | 19°58 | 9°37 | n.a. | W21 |
| T 22 | 14 50 28 | 12°21'17 | 23°53 | 27°17 | 1°28 | 4° 6 | 8°17 | 14°40 | 14°52 | 17°54 | 13° 9 | 21° 5 | 19°54 | 9°43 | n.a. | T 22 |
| F 23 | 14 54 25 | 13°18'22 | 5♊45 | 27° 0 | 2°36 | 4°46 | 8°10 | 14°46 | 14°53 | 17°53 | 13°10 | 21° 1 | 19°51 | 9°50 | n.a. | F 23 |
| S 24 | 14 58 21 | 14°15'27 | 17°43 | 26°38 | 3°44 | 5°25 | 8° 2 | 14°51 | 14°53 | 17°51 | 13°10 | 20°58 | 19°48 | 9°57 | n.a. | S 24 |
| S 25 | 15 2 18 | 15°12'32 | 29°49 | 26°13 | 4°52 | 6° 5 | 7°54 | 14°56 | 14°54 | 17°50 | 13°11 | 20°54 | 19°45 | 10° 3 | n.a. | S 25 |
| M26 | 15 6 14 | 16° 9'37 | 12♋ 5 | 25°45 | 6° 0 | 6°44 | 7°47 | 15° 1 | 14°55 | 17°48 | 13°11 | 20°50 | 19°42 | 10°10 | n.a. | M26 |
| T 27 | 15 10 11 | 17° 6'43 | 24°34 | 25°13 | 7° 9 | 7°23 | 7°39 | 15° 6 | 14°56 | 17°47 | 13°12 | 20°48 | 19°38 | 10°17 | n.a. | T 27 |
| W28 | 15 14 7 | 18° 3'49 | 7♌20 | 24°38 | 8°17 | 8° 3 | 7°32 | 15°11 | 14°57 | 17°46 | 13°12 | 20°46 | 19°35 | 10°23 | n.a. | W28 |
| T 29 | 15 18 4 | 19° 0'54 | 20°26 | 24° 1 | 9°26 | 8°42 | 7°24 | 15°16 | 14°58 | 17°44 | 13°13 | 20°D46 | 19°32 | 10°30 | n.a. | T 29 |
| F 30 | 15 22 1 | 19°58'00 | 3♍54 | 23°23 | 10°34 | 9°21 | 7°17 | 15°21 | 14°59 | 17°43 | 13°13 | 20°46 | 19°29 | 10°37 | n.a. | F 30 |
| S 31 | 15 25 57 | 20♉55'06 | 17♍46 | 22♉44 | 11♈43 | 10♉ 0 | 7♏10 | 15♓26 | 15♌ 0 | 17♎42 | 13♌14 | 20♈48 | 19♈26 | 10♉43 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 8n53 | 22n30 | 4n58 | 19n 9 | 2n 5 | 10s16 | 1s46 | 8n 2 | 0s 0 | 14s42 | 0n44 | 9s10 | 2s22 | 17n30 | 0n49 | 5s28 | 2n 4 | 33n31 | 17n 8 | 8n24 | 8n22 | 15n38 | | | n.a. |
| F 2 | 9 15 | 17 38 | 4 24 | 19 23 | 2 0 | 9 53 | 1 48 | 8 18 | 0n 1 | 14 40 | 0 44 | 9 8 | 2 22 | 17 30 | 0 49 | 5 27 | 2 4 | 33 30 | 17 8 | 8 24 | 8 21 | 15 41 | | | n.a. |
| S 3 | 9 36 | 11 40 | 3 34 | 19 36 | 1 54 | 9 30 | 1 50 | 8 34 | 0 1 | 14 38 | 0 44 | 9 5 | 2 23 | 17 30 | 0 49 | 5 27 | 2 4 | 33 30 | 17 7 | 8 24 | 8 19 | 15 44 | | | n.a. |
| S 4 | 9 57 | 4 56 | 2 28 | 19 47 | 1 47 | 9 7 | 1 52 | 8 50 | 0 2 | 14 35 | 0 44 | 9 3 | 2 23 | 17 30 | 0 49 | 5 26 | 2 4 | 33 29 | 17 7 | 8 24 | 8 18 | 15 47 | | | n.a. |
| M 5 | 10 19 | 2s14 | 1 11 | 19 56 | 1 40 | 8 44 | 1 55 | 9 5 | 0 2 | 14 33 | 0 44 | 9 0 | 2 23 | 17 30 | 0 49 | 5 25 | 2 4 | 33 29 | 17 6 | 8 24 | 8 17 | 15 50 | | | n.a. |
| T 6 | 10 40 | 9 24 | 0s12 | 20 3 | 1 32 | 8 20 | 1 56 | 9 21 | 0 3 | 14 31 | 0 44 | 8 58 | 2 23 | 17 30 | 0 49 | 5 25 | 2 4 | 33 29 | 17 6 | 8 24 | 8 16 | 15 53 | | | n.a. |
| W 7 | 11 1 | 16 6 | 1 35 | 20 8 | 1 23 | 7 56 | 1 58 | 9 37 | 0 4 | 14 29 | 0 44 | 8 56 | 2 23 | 17 30 | 0 49 | 5 24 | 2 4 | 33 28 | 17 5 | 8 24 | 8 14 | 15 56 | | | n.a. |
| T 8 | 11 21 | 21 48 | 2 51 | 20 11 | 1 13 | 7 31 | 2 0 | 9 52 | 0 4 | 14 27 | 0 44 | 8 53 | 2 24 | 17 30 | 0 49 | 5 24 | 2 4 | 33 28 | 17 5 | 8 24 | 8 13 | 15 59 | | | n.a. |
| F 9 | 11 42 | 26 1 | 3 54 | 20 13 | 1 3 | 7 6 | 2 2 | 10 8 | 0 5 | 14 24 | 0 43 | 8 51 | 2 24 | 17 30 | 0 49 | 5 23 | 2 4 | 33 27 | 17 4 | 8 24 | 8 12 | 16 2 | | | n.a. |
| S 10 | 12 2 | 28 25 | 4 40 | 20 12 | 0 52 | 6 41 | 2 3 | 10 23 | 0 5 | 14 22 | 0 43 | 8 49 | 2 24 | 17 30 | 0 49 | 5 22 | 2 4 | 33 27 | 17 4 | 8 23 | 8 11 | 16 5 | | | n.a. |
| S 11 | 12 22 | 28 50 | 5 8 | 20 10 | 0 41 | 6 16 | 2 4 | 10 38 | 0 6 | 14 20 | 0 43 | 8 47 | 2 24 | 17 30 | 0 49 | 5 22 | 2 4 | 33 26 | 17 3 | 8 23 | 8 10 | 16 8 | | | n.a. |
| M12 | 12 42 | 27 26 | 5 17 | 20 6 | 0 28 | 5 51 | 2 6 | 10 53 | 0 6 | 14 17 | 0 43 | 8 44 | 2 24 | 17 30 | 0 49 | 5 21 | 2 4 | 33 26 | 17 3 | 8 23 | 8 8 | 16 11 | | | n.a. |
| T 13 | 13 2 | 24 29 | 5 8 | 20 0 | 0 16 | 5 25 | 2 7 | 11 9 | 0 7 | 14 15 | 0 43 | 8 42 | 2 25 | 17 30 | 0 49 | 5 21 | 2 4 | 33 25 | 17 2 | 8 22 | 8 7 | 16 14 | | | n.a. |
| W14 | 13 22 | 20 22 | 4 44 | 19 53 | 0 2 | 4 59 | 2 8 | 11 24 | 0 8 | 14 13 | 0 43 | 8 40 | 2 25 | 17 29 | 0 48 | 5 20 | 2 4 | 33 25 | 17 2 | 8 23 | 8 6 | 16 17 | | | n.a. |
| T 15 | 13 41 | 15 27 | 4 6 | 19 44 | 0s12 | 4 33 | 2 9 | 11 38 | 0 8 | 14 10 | 0 43 | 8 38 | 2 25 | 17 29 | 0 48 | 5 20 | 2 4 | 33 24 | 17 1 | 8 23 | 8 5 | 16 20 | | | n.a. |
| F 16 | 14 0 | 10 2 | 3 18 | 19 33 | 0 26 | 4 7 | 2 10 | 11 53 | 0 9 | 14 8 | 0 42 | 8 36 | 2 25 | 17 29 | 0 48 | 5 19 | 2 4 | 33 24 | 17 0 | 8 23 | 8 4 | 16 23 | | | n.a. |
| S 17 | 14 19 | 4 19 | 2 21 | 19 21 | 0 41 | 3 40 | 2 10 | 12 8 | 0 9 | 14 6 | 0 42 | 8 34 | 2 25 | 17 29 | 0 48 | 5 18 | 2 4 | 33 23 | 17 0 | 8 24 | 8 2 | 16 26 | | | n.a. |
| S 18 | 14 38 | 1n28 | 1 19 | 19 8 | 0 56 | 3 13 | 2 11 | 12 23 | 0 10 | 14 3 | 0 42 | 8 32 | 2 26 | 17 29 | 0 48 | 5 18 | 2 4 | 33 22 | 16 59 | 8 24 | 8 1 | 16 29 | | | n.a. |
| M19 | 14 57 | 7 10 | 0 15 | 18 53 | 1 11 | 2 47 | 2 12 | 12 37 | 0 11 | 14 1 | 0 42 | 8 30 | 2 26 | 17 29 | 0 48 | 5 17 | 2 4 | 33 22 | 16 59 | 8 25 | 8 0 | 16 32 | | | n.a. |
| T 20 | 15 15 | 12 35 | 0n50 | 18 37 | 1 27 | 2 20 | 2 12 | 12 52 | 0 11 | 13 59 | 0 42 | 8 28 | 2 26 | 17 29 | 0 48 | 5 17 | 2 4 | 33 21 | 16 58 | 8 24 | 7 59 | 16 35 | | | n.a. |
| W21 | 15 33 | 17 34 | 1 53 | 18 20 | 1 43 | 1 52 | 2 12 | 13 6 | 0 12 | 13 56 | 0 42 | 8 26 | 2 26 | 17 28 | 0 48 | 5 16 | 2 4 | 33 21 | 16 58 | 8 24 | 7 57 | 16 38 | | | n.a. |
| T 22 | 15 51 | 21 53 | 2 51 | 18 2 | 1 59 | 1 25 | 2 12 | 13 20 | 0 12 | 13 54 | 0 42 | 8 24 | 2 26 | 17 28 | 0 48 | 5 16 | 2 4 | 33 20 | 16 57 | 8 23 | 7 56 | 16 40 | | | n.a. |
| F 23 | 16 9 | 25 20 | 3 42 | 17 42 | 2 14 | 0 58 | 2 13 | 13 34 | 0 13 | 13 52 | 0 41 | 8 22 | 2 27 | 17 28 | 0 48 | 5 15 | 2 3 | 33 19 | 16 57 | 8 22 | 7 55 | 16 43 | | | n.a. |
| S 24 | 16 26 | 27 42 | 4 23 | 17 23 | 2 30 | 0 30 | 2 13 | 13 48 | 0 13 | 13 49 | 0 41 | 8 20 | 2 27 | 17 28 | 0 48 | 5 15 | 2 3 | 33 19 | 16 56 | 8 21 | 7 54 | 16 46 | | | n.a. |
| S 25 | 16 44 | 28 48 | 4 53 | 17 2 | 2 45 | 0 3 | 2 12 | 14 2 | 0 14 | 13 47 | 0 41 | 8 18 | 2 27 | 17 27 | 0 48 | 5 14 | 2 3 | 33 18 | 16 56 | 8 19 | 7 53 | 16 49 | | | n.a. |
| M26 | 17 0 | 28 31 | 5 10 | 16 41 | 2 59 | 0n25 | 2 12 | 14 16 | 0 15 | 13 45 | 0 41 | 8 16 | 2 27 | 17 27 | 0 48 | 5 14 | 2 3 | 33 18 | 16 55 | 8 18 | 7 51 | 16 52 | | | n.a. |
| T 27 | 17 17 | 26 46 | 5 13 | 16 20 | 3 13 | 0 53 | 2 12 | 14 30 | 0 15 | 13 42 | 0 41 | 8 15 | 2 28 | 17 27 | 0 48 | 5 13 | 2 3 | 33 17 | 16 55 | 8 17 | 7 50 | 16 55 | | | n.a. |
| W28 | 17 33 | 23 39 | 5 1 | 15 59 | 3 26 | 1 21 | 2 12 | 14 43 | 0 16 | 13 40 | 0 40 | 8 13 | 2 28 | 17 26 | 0 48 | 5 13 | 2 3 | 33 16 | 16 54 | 8 16 | 7 49 | 16 58 | | | n.a. |
| T 29 | 17 50 | 19 16 | 4 33 | 15 39 | 3 38 | 1 48 | 2 11 | 14 57 | 0 16 | 13 38 | 0 40 | 8 11 | 2 28 | 17 26 | 0 48 | 5 12 | 2 3 | 33 16 | 16 54 | 8 16 | 7 48 | 17 1 | | | n.a. |
| F 30 | 18 5 | 13 50 | 3 49 | 15 19 | 3 48 | 2 16 | 2 10 | 15 10 | 0 17 | 13 35 | 0 40 | 8 9 | 2 28 | 17 26 | 0 48 | 5 12 | 2 3 | 33 15 | 16 53 | 8 16 | 7 46 | 17 4 | | | n.a. |
| S 31 | 18n21 | 7n33 | 2n51 | 15n 0 | 3s58 | 2n44 | 2s10 | 15n23 | 0n17 | 13s33 | 0n40 | 8s 8 | 2s29 | 17n25 | 0n48 | 5s11 | 2n 3 | 33n14 | 16n53 | 8n17 | 7n45 | 17n 7 | | | n.a. |

Julian Day Number = 998713.5, Delta T = 12h53m47s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'13, Lahiri = -31°14'12 Julian Calendar 1 May 1979 BCE == Greg. Calendar 14 Apr. 1979 BCE


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## JUNE 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 29 54 | 21♉52'13 | 2♎ 2 | 22°R 4 | 12♈52 | 10♉40 | 7°R 3 | 15♓31 | 15♌ 1 | 17°R40 | 13♌15 | 20♈49 | 19♈23 | 10♉50 | n.a. | S 1 |
| M 2 | 15 33 50 | 22°49'20 | 16°41 | 21♉25 | 14° 1 | 11°19 | 6♏55 | 15°35 | 15° 2 | 17♎39 | 13°15 | 20°R50 | 19°19 | 10°57 | n.a. | M 2 |
| T 3 | 15 37 47 | 23°46'27 | 1♏39 | 20°47 | 15°10 | 11°58 | 6°48 | 15°40 | 15° 3 | 17°38 | 13°16 | 20°49 | 19°16 | 11° 3 | n.a. | T 3 |
| W 4 | 15 41 43 | 24°43'35 | 16°48 | 20°10 | 16°19 | 12°37 | 6°41 | 15°44 | 15° 5 | 17°37 | 13°17 | 20°48 | 19°13 | 11°10 | n.a. | W 4 |
| T 5 | 15 45 40 | 25°40'43 | 2♐ 0 | 19°36 | 17°28 | 13°16 | 6°34 | 15°48 | 15° 6 | 17°36 | 13°18 | 20°44 | 19°10 | 11°17 | n.a. | T 5 |
| F 6 | 15 49 36 | 26°37'53 | 17° 4 | 19° 5 | 18°37 | 13°55 | 6°28 | 15°53 | 15° 7 | 17°34 | 13°19 | 20°40 | 19° 7 | 11°23 | n.a. | F 6 |
| S 7 | 15 53 33 | 27°35'03 | 1♑52 | 18°38 | 19°47 | 14°34 | 6°21 | 15°57 | 15° 9 | 17°33 | 13°20 | 20°34 | 19° 4 | 11°30 | n.a. | S 7 |
| S 8 | 15 57 30 | 28°32'14 | 16°16 | 18°15 | 20°56 | 15°13 | 6°14 | 16° 1 | 15°10 | 17°32 | 13°20 | 20°29 | 19° 0 | 11°37 | n.a. | S 8 |
| M 9 | 16 1 26 | 29°29'27 | 0♒12 | 17°57 | 22° 6 | 15°52 | 6° 8 | 16° 5 | 15°12 | 17°31 | 13°21 | 20°25 | 18°57 | 11°43 | n.a. | M 9 |
| T 10 | 16 5 23 | 0♊26'40 | 13°40 | 17°43 | 23°16 | 16°31 | 6° 1 | 16° 9 | 15°14 | 17°30 | 13°22 | 20°22 | 18°54 | 11°50 | n.a. | T 10 |
| W11 | 16 9 19 | 1°23'55 | 26°40 | 17°35 | 24°25 | 17°10 | 5°55 | 16°13 | 15°15 | 17°29 | 13°23 | 20°D21 | 18°51 | 11°57 | n.a. | W11 |
| T 12 | 16 13 16 | 2°21'10 | 9♓17 | 17°D33 | 25°35 | 17°49 | 5°49 | 16°16 | 15°17 | 17°28 | 13°24 | 20°21 | 18°48 | 12° 3 | n.a. | T 12 |
| F 13 | 16 17 12 | 3°18'27 | 21°35 | 17°36 | 26°45 | 18°27 | 5°43 | 16°20 | 15°19 | 17°27 | 13°25 | 20°22 | 18°44 | 12°10 | n.a. | F 13 |
| S 14 | 16 21 9 | 4°15'45 | 3♈38 | 17°46 | 27°55 | 19° 6 | 5°37 | 16°24 | 15°20 | 17°26 | 13°27 | 20°23 | 18°41 | 12°17 | n.a. | S 14 |
| S 15 | 16 25 6 | 5°13'05 | 15°31 | 18° 1 | 29° 6 | 19°45 | 5°31 | 16°27 | 15°22 | 17°25 | 13°28 | 20°R24 | 18°38 | 12°23 | n.a. | S 15 |
| M16 | 16 29 2 | 6°10'25 | 27°19 | 18°23 | 0♉16 | 20°24 | 5°26 | 16°30 | 15°24 | 17°24 | 13°29 | 20°24 | 18°35 | 12°30 | n.a. | M16 |
| T 17 | 16 32 59 | 7° 7'47 | 9♉ 6 | 18°51 | 1°26 | 21° 3 | 5°20 | 16°34 | 15°26 | 17°23 | 13°30 | 20°22 | 18°32 | 12°37 | n.a. | T 17 |
| W18 | 16 36 55 | 8° 5'10 | 20°54 | 19°26 | 2°37 | 21°41 | 5°15 | 16°37 | 15°28 | 17°22 | 13°31 | 20°18 | 18°29 | 12°43 | n.a. | W18 |
| T 19 | 16 40 52 | 9° 2'35 | 2♊47 | 20° 6 | 3°47 | 22°20 | 5° 9 | 16°40 | 15°30 | 17°21 | 13°32 | 20°12 | 18°25 | 12°50 | n.a. | T 19 |
| F 20 | 16 44 48 | 10° 0'00 | 14°47 | 20°53 | 4°58 | 22°59 | 5° 4 | 16°43 | 15°32 | 17°20 | 13°34 | 20° 4 | 18°22 | 12°56 | n.a. | F 20 |
| S 21 | 16 48 45 | 10°57'27 | 26°55 | 21°46 | 6° 8 | 23°37 | 4°59 | 16°46 | 15°34 | 17°20 | 13°35 | 19°55 | 18°19 | 13° 3 | n.a. | S 21 |
| S 22 | 16 52 41 | 11°54'56 | 9♋12 | 22°44 | 7°19 | 24°16 | 4°54 | 16°48 | 15°36 | 17°19 | 13°36 | 19°45 | 18°16 | 13°10 | n.a. | S 22 |
| M23 | 16 56 38 | 12°52'25 | 21°39 | 23°49 | 8°30 | 24°54 | 4°50 | 16°51 | 15°38 | 17°18 | 13°38 | 19°36 | 18°13 | 13°16 | n.a. | M23 |
| T 24 | 17 0 35 | 13°49'55 | 4♌18 | 24°59 | 9°41 | 25°33 | 4°45 | 16°54 | 15°41 | 17°17 | 13°39 | 19°29 | 18°10 | 13°23 | n.a. | T 24 |
| W25 | 17 4 31 | 14°47'27 | 17°11 | 26°15 | 10°52 | 26°11 | 4°41 | 16°56 | 15°43 | 17°17 | 13°40 | 19°23 | 18° 6 | 13°30 | n.a. | W25 |
| T 26 | 17 8 28 | 15°44'59 | 0♍18 | 27°35 | 12° 3 | 26°50 | 4°37 | 16°59 | 15°45 | 17°16 | 13°42 | 19°20 | 18° 3 | 13°36 | n.a. | T 26 |
| F 27 | 17 12 24 | 16°42'33 | 13°43 | 29° 1 | 13°14 | 27°28 | 4°33 | 17° 1 | 15°47 | 17°15 | 13°43 | 19°D19 | 18° 0 | 13°43 | n.a. | F 27 |
| S 28 | 17 16 21 | 17°40'07 | 27°26 | 0♊32 | 14°25 | 28° 7 | 4°29 | 17° 3 | 15°50 | 17°15 | 13°45 | 19°19 | 17°57 | 13°50 | n.a. | S 28 |
| S 29 | 17 20 17 | 18°37'43 | 11♎30 | 2° 7 | 15°36 | 28°45 | 4°25 | 17° 5 | 15°52 | 17°14 | 13°46 | 19°20 | 17°54 | 13°56 | n.a. | S 29 |
| M30 | 17 24 14 | 19♊35'20 | 25♎53 | 3♊47 | 16♉48 | 29♉24 | 4♏22 | 17♓ 7 | 15♌55 | 17♎14 | 13♌48 | 19°R20 | 17♈50 | 14♉ 3 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n36 | 0n43 | 1n41 | 14n42 | 4s 6 | 3n12 | 2s 9 | 15n36 | 0n18 | 13s31 | 0n40 | 8s 6 | 2s29 | 17n25 | 0n48 | 5s11 | 2n 3 | 33n13 | 16n52 | 8n17 | 7n44 | 17n10 | | n.a. |
| M 2 | 18 51 | 6s20 | 0 23 | 14 25 | 4 13 | 3 40 | 2 8 | 15 49 | 0 19 | 13 29 | 0 40 | 8 5 | 2 29 | 17 25 | 0 48 | 5 10 | 2 3 | 33 13 | 16 52 | 8 17 | 7 43 | 17 13 | | n.a. |
| T 3 | 19 6 | 13 12 | 0s59 | 14 10 | 4 18 | 4 8 | 2 7 | 16 2 | 0 19 | 13 27 | 0 39 | 8 3 | 2 29 | 17 24 | 0 48 | 5 10 | 2 3 | 33 12 | 16 51 | 8 17 | 7 41 | 17 16 | | n.a. |
| W 4 | 19 20 | 19 23 | 2 17 | 13 57 | 4 22 | 4 36 | 2 6 | 16 15 | 0 20 | 13 24 | 0 39 | 8 2 | 2 30 | 17 24 | 0 48 | 5 10 | 2 3 | 33 11 | 16 51 | 8 17 | 7 40 | 17 19 | | n.a. |
| T 5 | 19 34 | 24 20 | 3 26 | 13 46 | 4 24 | 5 4 | 2 5 | 16 28 | 0 20 | 13 22 | 0 39 | 8 0 | 2 30 | 17 23 | 0 48 | 5 9 | 2 3 | 33 11 | 16 50 | 8 15 | 7 39 | 17 21 | | n.a. |
| F 6 | 19 48 | 27 35 | 4 19 | 13 37 | 4 24 | 5 32 | 2 4 | 16 40 | 0 21 | 13 20 | 0 39 | 7 59 | 2 30 | 17 23 | 0 48 | 5 9 | 2 3 | 33 10 | 16 50 | 8 14 | 7 38 | 17 24 | | n.a. |
| S 7 | 20 1 | 28 49 | 4 55 | 13 31 | 4 23 | 6 0 | 2 3 | 16 52 | 0 21 | 13 18 | 0 39 | 7 57 | 2 30 | 17 22 | 0 47 | 5 8 | 2 3 | 33 9 | 16 49 | 8 12 | 7 37 | 17 27 | | n.a. |
| S 8 | 20 14 | 28 2 | 5 10 | 13 27 | 4 20 | 6 28 | 2 2 | 17 5 | 0 22 | 13 16 | 0 38 | 7 56 | 2 31 | 17 22 | 0 47 | 5 8 | 2 3 | 33 8 | 16 49 | 8 10 | 7 35 | 17 30 | | n.a. |
| M 9 | 20 27 | 25 30 | 5 6 | 13 26 | 4 16 | 6 55 | 2 0 | 17 17 | 0 23 | 13 14 | 0 38 | 7 54 | 2 31 | 17 21 | 0 47 | 5 8 | 2 3 | 33 8 | 16 48 | 8 8 | 7 34 | 17 33 | | n.a. |
| T 10 | 20 39 | 21 36 | 4 46 | 13 27 | 4 11 | 7 23 | 1 59 | 17 29 | 0 23 | 13 12 | 0 38 | 7 53 | 2 31 | 17 21 | 0 47 | 5 7 | 2 3 | 33 7 | 16 48 | 8 7 | 7 33 | 17 36 | | n.a. |
| W11 | 20 51 | 16 47 | 4 11 | 13 32 | 4 4 | 7 50 | 1 57 | 17 41 | 0 24 | 13 10 | 0 38 | 7 52 | 2 31 | 17 20 | 0 47 | 5 7 | 2 3 | 33 6 | 16 47 | 8 6 | 7 32 | 17 39 | | n.a. |
| T 12 | 21 3 | 11 24 | 3 25 | 13 39 | 3 56 | 8 18 | 1 56 | 17 52 | 0 24 | 13 8 | 0 38 | 7 51 | 2 32 | 17 20 | 0 47 | 5 7 | 2 3 | 33 5 | 16 47 | 8 6 | 7 30 | 17 42 | | n.a. |
| F 13 | 21 14 | 5 42 | 2 30 | 13 48 | 3 47 | 8 45 | 1 54 | 18 4 | 0 25 | 13 7 | 0 37 | 7 49 | 2 32 | 17 19 | 0 47 | 5 6 | 2 3 | 33 4 | 16 46 | 8 7 | 7 29 | 17 45 | | n.a. |
| S 14 | 21 26 | 0n 6 | 1 30 | 14 1 | 3 37 | 9 12 | 1 52 | 18 15 | 0 25 | 13 5 | 0 37 | 7 48 | 2 32 | 17 19 | 0 47 | 5 6 | 2 2 | 33 4 | 16 46 | 8 7 | 7 28 | 17 47 | | n.a. |
| S 15 | 21 36 | 5 49 | 0 27 | 14 16 | 3 26 | 9 39 | 1 50 | 18 27 | 0 26 | 13 3 | 0 37 | 7 47 | 2 33 | 17 18 | 0 47 | 5 6 | 2 2 | 33 3 | 16 45 | 8 8 | 7 27 | 17 50 | | n.a. |
| M16 | 21 46 | 11 18 | 0n37 | 14 33 | 3 14 | 10 6 | 1 48 | 18 38 | 0 27 | 13 1 | 0 37 | 7 46 | 2 33 | 17 18 | 0 47 | 5 5 | 2 2 | 33 2 | 16 45 | 8 8 | 7 26 | 17 53 | | n.a. |
| T 17 | 21 56 | 16 23 | 1 39 | 14 53 | 3 1 | 10 33 | 1 47 | 18 49 | 0 27 | 13 0 | 0 36 | 7 45 | 2 33 | 17 17 | 0 47 | 5 5 | 2 2 | 33 1 | 16 44 | 8 7 | 7 24 | 17 56 | | n.a. |
| W18 | 22 6 | 20 52 | 2 37 | 15 15 | 2 48 | 10 59 | 1 45 | 19 0 | 0 28 | 12 58 | 0 36 | 7 44 | 2 33 | 17 16 | 0 47 | 5 5 | 2 2 | 33 0 | 16 44 | 8 5 | 7 23 | 17 59 | | n.a. |
| T 19 | 22 15 | 24 32 | 3 28 | 15 39 | 2 35 | 11 26 | 1 43 | 19 11 | 0 28 | 12 56 | 0 36 | 7 43 | 2 34 | 17 16 | 0 47 | 5 4 | 2 2 | 33 0 | 16 43 | 8 3 | 7 22 | 18 2 | | n.a. |
| F 20 | 22 24 | 27 11 | 4 10 | 16 4 | 2 21 | 11 52 | 1 40 | 19 21 | 0 29 | 12 55 | 0 36 | 7 42 | 2 34 | 17 15 | 0 47 | 5 4 | 2 2 | 32 59 | 16 43 | 8 0 | 7 21 | 18 5 | | n.a. |
| S 21 | 22 32 | 28 35 | 4 42 | 16 32 | 2 7 | 12 18 | 1 38 | 19 32 | 0 29 | 12 53 | 0 36 | 7 41 | 2 34 | 17 14 | 0 47 | 5 4 | 2 2 | 32 58 | 16 42 | 7 56 | 7 19 | 18 7 | | n.a. |
| S 22 | 22 40 | 28 36 | 5 1 | 17 1 | 1 53 | 12 43 | 1 36 | 19 42 | 0 30 | 12 52 | 0 35 | 7 40 | 2 35 | 17 14 | 0 47 | 5 4 | 2 2 | 32 57 | 16 42 | 7 53 | 7 18 | 18 10 | | n.a. |
| M23 | 22 48 | 27 10 | 5 6 | 17 31 | 1 38 | 13 9 | 1 34 | 19 52 | 0 31 | 12 51 | 0 35 | 7 40 | 2 35 | 17 13 | 0 47 | 5 3 | 2 2 | 32 56 | 16 41 | 7 49 | 7 17 | 18 13 | | n.a. |
| T 24 | 22 55 | 24 21 | 4 56 | 18 3 | 1 24 | 13 34 | 1 31 | 20 2 | 0 31 | 12 49 | 0 35 | 7 39 | 2 35 | 17 12 | 0 47 | 5 3 | 2 2 | 32 55 | 16 41 | 7 46 | 7 16 | 18 16 | | n.a. |
| W25 | 23 2 | 20 17 | 4 31 | 18 35 | 1 9 | 13 59 | 1 29 | 20 12 | 0 32 | 12 48 | 0 35 | 7 38 | 2 35 | 17 12 | 0 47 | 5 3 | 2 2 | 32 54 | 16 41 | 7 44 | 7 14 | 18 19 | | n.a. |
| T 26 | 23 9 | 15 11 | 3 52 | 19 8 | 0 55 | 14 23 | 1 27 | 20 22 | 0 32 | 12 47 | 0 34 | 7 38 | 2 36 | 17 11 | 0 47 | 5 3 | 2 2 | 32 54 | 16 40 | 7 43 | 7 13 | 18 22 | | n.a. |
| F 27 | 23 15 | 9 16 | 2 59 | 19 41 | 0 41 | 14 47 | 1 24 | 20 32 | 0 33 | 12 46 | 0 34 | 7 37 | 2 36 | 17 10 | 0 47 | 5 3 | 2 2 | 32 53 | 16 40 | 7 43 | 7 12 | 18 24 | | n.a. |
| S 28 | 23 20 | 2 47 | 1 54 | 20 14 | 0 27 | 15 11 | 1 22 | 20 41 | 0 33 | 12 45 | 0 34 | 7 36 | 2 36 | 17 9 | 0 47 | 5 2 | 2 2 | 32 52 | 16 39 | 7 43 | 7 11 | 18 27 | | n.a. |
| S 29 | 23 26 | 4s 0 | 0 42 | 20 47 | 0 14 | 15 35 | 1 19 | 20 50 | 0 34 | 12 44 | 0 34 | 7 36 | 2 37 | 17 8 | 0 47 | 5 2 | 2 2 | 32 51 | 16 39 | 7 43 | 7 9 | 18 30 | | n.a. |
| M30 | 23n30 | 10s44 | 0s35 | 21n19 | 0s 1 | 15n58 | 1s17 | 20n59 | 0n34 | 12s43 | 0n33 | 7s35 | 2s37 | 17n 8 | 0n47 | 5s 2 | 2n 1 | 32n50 | 16n38 | 7n43 | 7n 8 | 18n33 | | n.a. |

Julian Day Number = 998744.5, Delta T = 12h53m44s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'09, Lahiri = -31°14'08 Julian Calendar 1 June 1979 BCE == Greg. Calendar 15 May 1979 BCE

The year -1978 astronomical counting style corresponds to year 1979 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## JULY 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 28 11 | 20♊32'58 | 10♏34 | 5♊30 | 17♉59 | 0♊ 2 | 4°R19 | 17♓ 9 | 15♌57 | 17°R13 | 13♌49 | 19°R18 | 17♈47 | 14♉10 | n.a. | T 1 |
| W 2 | 17 32 7 | 21°30'37 | 25°28 | 7°16 | 19°11 | 0°40 | 4♏16 | 17°11 | 16° 0 | 17♎13 | 13°51 | 19♈14 | 17°44 | 14°16 | n.a. | W 2 |
| T 3 | 17 36 4 | 22°28'18 | 10♐27 | 9° 6 | 20°22 | 1°19 | 4°13 | 17°12 | 16° 2 | 17°12 | 13°53 | 19° 8 | 17°41 | 14°23 | n.a. | T 3 |
| F 4 | 17 40 0 | 23°26'01 | 25°24 | 10°58 | 21°34 | 1°57 | 4°10 | 17°14 | 16° 5 | 17°12 | 13°54 | 18°59 | 17°38 | 14°30 | n.a. | F 4 |
| S 5 | 17 43 57 | 24°23'45 | 10♑ 9 | 12°53 | 22°46 | 2°35 | 4° 7 | 17°15 | 16° 8 | 17°11 | 13°56 | 18°50 | 17°35 | 14°36 | n.a. | S 5 |
| S 6 | 17 47 53 | 25°21'31 | 24°34 | 14°49 | 23°58 | 3°13 | 4° 5 | 17°17 | 16°10 | 17°11 | 13°58 | 18°40 | 17°31 | 14°43 | n.a. | S 6 |
| M 7 | 17 51 50 | 26°19'19 | 8♒33 | 16°47 | 25° 9 | 3°52 | 4° 3 | 17°18 | 16°13 | 17°11 | 13°59 | 18°31 | 17°28 | 14°50 | n.a. | M 7 |
| T 8 | 17 55 46 | 27°17'08 | 22° 4 | 18°45 | 26°21 | 4°30 | 4° 1 | 17°19 | 16°16 | 17°10 | 14° 1 | 18°24 | 17°25 | 14°56 | n.a. | T 8 |
| W 9 | 17 59 43 | 28°14'59 | 5♓ 8 | 20°45 | 27°33 | 5° 8 | 3°59 | 17°20 | 16°19 | 17°10 | 14° 3 | 18°20 | 17°22 | 15° 3 | n.a. | W 9 |
| T 10 | 18 3 40 | 29°12'53 | 17°47 | 22°45 | 28°45 | 5°46 | 3°57 | 17°21 | 16°22 | 17°10 | 14° 5 | 18°17 | 17°19 | 15°10 | n.a. | T 10 |
| F 11 | 18 7 36 | 0♋10'48 | 0♈ 5 | 24°45 | 29°58 | 6°24 | 3°56 | 17°22 | 16°25 | 17°10 | 14° 6 | 18°D17 | 17°16 | 15°16 | n.a. | F 11 |
| S 12 | 18 11 33 | 1° 8'45 | 12° 8 | 26°45 | 1♊10 | 7° 2 | 3°54 | 17°22 | 16°27 | 17°10 | 14° 8 | 18°R17 | 17°12 | 15°23 | n.a. | S 12 |
| S 13 | 18 15 29 | 2° 6'44 | 24° 0 | 28°44 | 2°22 | 7°40 | 3°53 | 17°23 | 16°30 | 17° 9 | 14°10 | 18°17 | 17° 9 | 15°30 | n.a. | S 13 |
| M14 | 18 19 26 | 3° 4'46 | 5♉48 | 0♋44 | 3°35 | 8°18 | 3°52 | 17°23 | 16°33 | 17° 9 | 14°12 | 18°16 | 17° 6 | 15°36 | n.a. | M14 |
| T 15 | 18 23 22 | 4° 2'49 | 17°36 | 2°42 | 4°47 | 8°57 | 3°51 | 17°24 | 16°36 | 17° 9 | 14°14 | 18°12 | 17° 3 | 15°43 | n.a. | T 15 |
| W16 | 18 27 19 | 5° 0'55 | 29°28 | 4°40 | 6° 0 | 9°35 | 3°51 | 17°24 | 16°39 | 17° 9 | 14°16 | 18° 6 | 17° 0 | 15°50 | n.a. | W16 |
| T 17 | 18 31 15 | 5°59'02 | 11♊28 | 6°36 | 7°12 | 10°13 | 3°51 | 17°24 | 16°43 | 17°D 9 | 14°18 | 17°57 | 16°56 | 15°56 | n.a. | T 17 |
| F 18 | 18 35 12 | 6°57'12 | 23°37 | 8°32 | 8°25 | 10°50 | 3°D50 | 17°R24 | 16°46 | 17° 9 | 14°20 | 17°46 | 16°53 | 16° 3 | n.a. | F 18 |
| S 19 | 18 39 9 | 7°55'23 | 5♋58 | 10°27 | 9°38 | 11°28 | 3°50 | 17°24 | 16°49 | 17° 9 | 14°22 | 17°33 | 16°50 | 16°10 | n.a. | S 19 |
| S 20 | 18 43 5 | 8°53'37 | 18°31 | 12°21 | 10°50 | 12° 6 | 3°51 | 17°24 | 16°52 | 17° 9 | 14°24 | 17°20 | 16°47 | 16°16 | n.a. | S 20 |
| M21 | 18 47 2 | 9°51'52 | 1♌16 | 14°13 | 12° 3 | 12°44 | 3°51 | 17°24 | 16°55 | 17°10 | 14°26 | 17° 7 | 16°44 | 16°23 | n.a. | M21 |
| T 22 | 18 50 58 | 10°50'09 | 14°12 | 16° 5 | 13°16 | 13°22 | 3°52 | 17°23 | 16°58 | 17°10 | 14°28 | 16°56 | 16°41 | 16°30 | n.a. | T 22 |
| W23 | 18 54 55 | 11°48'28 | 27°20 | 17°55 | 14°29 | 14° 0 | 3°53 | 17°23 | 17° 2 | 17°10 | 14°30 | 16°48 | 16°37 | 16°36 | n.a. | W23 |
| T 24 | 18 58 51 | 12°46'49 | 10♍39 | 19°44 | 15°42 | 14°38 | 3°54 | 17°22 | 17° 5 | 17°10 | 14°32 | 16°42 | 16°34 | 16°43 | n.a. | T 24 |
| F 25 | 19 2 48 | 13°45'11 | 24°10 | 21°32 | 16°55 | 15°16 | 3°55 | 17°21 | 17° 8 | 17°10 | 14°34 | 16°40 | 16°31 | 16°50 | n.a. | F 25 |
| S 26 | 19 6 44 | 14°43'36 | 7♎53 | 23°19 | 18° 8 | 15°53 | 3°56 | 17°20 | 17°12 | 17°11 | 14°36 | 16°39 | 16°28 | 16°56 | n.a. | S 26 |
| S 27 | 19 10 41 | 15°42'01 | 21°49 | 25° 4 | 19°22 | 16°31 | 3°58 | 17°19 | 17°15 | 17°11 | 14°38 | 16°39 | 16°25 | 17° 3 | n.a. | S 27 |
| M28 | 19 14 37 | 16°40'29 | 5♏59 | 26°49 | 20°35 | 17° 9 | 3°59 | 17°18 | 17°18 | 17°11 | 14°40 | 16°38 | 16°22 | 17°10 | n.a. | M28 |
| T 29 | 19 18 34 | 17°38'59 | 20°21 | 28°32 | 21°48 | 17°47 | 4° 1 | 17°17 | 17°22 | 17°12 | 14°42 | 16°36 | 16°18 | 17°16 | n.a. | T 29 |
| W30 | 19 22 31 | 18°37'30 | 4♐53 | 0♌14 | 23° 2 | 18°24 | 4° 3 | 17°16 | 17°25 | 17°12 | 14°44 | 16°31 | 16°15 | 17°23 | n.a. | W30 |
| T 31 | 19 26 27 | 19♋36'03 | 19♐30 | 1♌55 | 24♊15 | 19♊ 2 | 4♏ 6 | 17♓15 | 17♌29 | 17♎13 | 14♌47 | 16♈23 | 16♈12 | 17♉30 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 23n35 | 17s 2 | 1s51 | 21n50 | 0n11 | 16n21 | 1s14 | 21n 8 | 0n35 | 12s42 | 0n33 | 7s35 | 2s37 | 17n 7 | 0n47 | 5s 2 | 2n 1 | 32n49 | 16n38 | 7n42 | 7n 7 | 18n36 | | | n.a. |
| W 2 | 23 39 | 22 25 | 3 0 | 22 20 | 0 23 | 16 44 | 1 12 | 21 17 | 0 36 | 12 41 | 0 33 | 7 34 | 2 38 | 17 6 | 0 47 | 5 2 | 2 1 | 32 48 | 16 38 | 7 41 | 7 6 | 18 38 | | | n.a. |
| T 3 | 23 42 | 26 23 | 3 57 | 22 49 | 0 34 | 17 6 | 1 9 | 21 26 | 0 36 | 12 40 | 0 33 | 7 34 | 2 38 | 17 5 | 0 47 | 5 2 | 2 1 | 32 47 | 16 37 | 7 38 | 7 5 | 18 41 | | | n.a. |
| F 4 | 23 45 | 28 28 | 4 38 | 23 16 | 0 44 | 17 27 | 1 6 | 21 34 | 0 37 | 12 39 | 0 33 | 7 34 | 2 38 | 17 4 | 0 46 | 5 2 | 2 1 | 32 47 | 16 37 | 7 35 | 7 3 | 18 44 | | | n.a. |
| S 5 | 23 48 | 28 30 | 5 0 | 23 41 | 0 54 | 17 49 | 1 3 | 21 42 | 0 37 | 12 39 | 0 32 | 7 33 | 2 39 | 17 4 | 0 46 | 5 1 | 2 1 | 32 46 | 16 37 | 7 31 | 7 2 | 18 47 | | | n.a. |
| S 6 | 23 50 | 26 35 | 5 1 | 24 4 | 1 2 | 18 10 | 1 1 | 21 51 | 0 38 | 12 38 | 0 32 | 7 33 | 2 39 | 17 3 | 0 46 | 5 1 | 2 1 | 32 45 | 16 36 | 7 27 | 7 1 | 18 50 | | | n.a. |
| M 7 | 23 52 | 23 4 | 4 45 | 24 25 | 1 10 | 18 30 | 0 58 | 21 59 | 0 38 | 12 37 | 0 32 | 7 33 | 2 39 | 17 2 | 0 46 | 5 1 | 2 1 | 32 44 | 16 36 | 7 24 | 7 0 | 18 52 | | | n.a. |
| T 8 | 23 54 | 18 24 | 4 13 | 24 44 | 1 18 | 18 50 | 0 55 | 22 6 | 0 39 | 12 37 | 0 32 | 7 33 | 2 39 | 17 1 | 0 46 | 5 1 | 2 1 | 32 43 | 16 35 | 7 21 | 6 58 | 18 55 | | | n.a. |
| W 9 | 23 55 | 13 2 | 3 28 | 25 0 | 1 24 | 19 10 | 0 52 | 22 14 | 0 40 | 12 37 | 0 31 | 7 33 | 2 40 | 17 0 | 0 46 | 5 1 | 2 1 | 32 42 | 16 35 | 7 20 | 6 57 | 18 58 | | | n.a. |
| T 10 | 23 55 | 7 17 | 2 35 | 25 13 | 1 30 | 19 29 | 0 50 | 22 22 | 0 40 | 12 36 | 0 31 | 7 33 | 2 40 | 16 59 | 0 46 | 5 1 | 2 1 | 32 41 | 16 35 | 7 19 | 6 56 | 19 1 | | | n.a. |
| F 11 | 23 55 | 1 25 | 1 35 | 25 24 | 1 35 | 19 47 | 0 47 | 22 29 | 0 41 | 12 36 | 0 31 | 7 33 | 2 40 | 16 58 | 0 46 | 5 1 | 2 1 | 32 40 | 16 34 | 7 18 | 6 55 | 19 3 | | | n.a. |
| S 12 | 23 55 | 4n23 | 0 33 | 25 32 | 1 39 | 20 6 | 0 44 | 22 36 | 0 41 | 12 36 | 0 31 | 7 33 | 2 41 | 16 57 | 0 46 | 5 1 | 2 1 | 32 39 | 16 34 | 7 19 | 6 53 | 19 6 | | | n.a. |
| S 13 | 23 54 | 9 58 | 0n30 | 25 37 | 1 42 | 20 23 | 0 41 | 22 43 | 0 42 | 12 35 | 0 30 | 7 33 | 2 41 | 16 56 | 0 46 | 5 1 | 2 1 | 32 38 | 16 34 | 7 19 | 6 52 | 19 9 | | | n.a. |
| M14 | 23 53 | 15 10 | 1 32 | 25 40 | 1 44 | 20 40 | 0 38 | 22 50 | 0 42 | 12 35 | 0 30 | 7 33 | 2 41 | 16 55 | 0 46 | 5 1 | 2 1 | 32 38 | 16 33 | 7 18 | 6 51 | 19 12 | | | n.a. |
| T 15 | 23 52 | 19 48 | 2 29 | 25 40 | 1 46 | 20 57 | 0 35 | 22 57 | 0 43 | 12 35 | 0 30 | 7 33 | 2 42 | 16 55 | 0 46 | 5 1 | 2 0 | 32 37 | 16 33 | 7 17 | 6 50 | 19 14 | | | n.a. |
| W16 | 23 50 | 23 41 | 3 20 | 25 38 | 1 48 | 21 13 | 0 32 | 23 3 | 0 43 | 12 35 | 0 30 | 7 33 | 2 42 | 16 54 | 0 46 | 5 1 | 2 0 | 32 36 | 16 33 | 7 14 | 6 48 | 19 17 | | | n.a. |
| T 17 | 23 47 | 26 37 | 4 2 | 25 33 | 1 48 | 21 28 | 0 30 | 23 9 | 0 44 | 12 35 | 0 29 | 7 33 | 2 42 | 16 53 | 0 46 | 5 1 | 2 0 | 32 35 | 16 32 | 7 11 | 6 47 | 19 20 | | | n.a. |
| F 18 | 23 44 | 28 20 | 4 34 | 25 27 | 1 48 | 21 43 | 0 27 | 23 15 | 0 45 | 12 36 | 0 29 | 7 33 | 2 42 | 16 52 | 0 46 | 5 1 | 2 0 | 32 34 | 16 32 | 7 6 | 6 46 | 19 23 | | | n.a. |
| S 19 | 23 41 | 28 41 | 4 54 | 25 17 | 1 48 | 21 57 | 0 24 | 23 21 | 0 45 | 12 36 | 0 29 | 7 34 | 2 43 | 16 51 | 0 46 | 5 2 | 2 0 | 32 33 | 16 32 | 7 1 | 6 45 | 19 25 | | | n.a. |
| S 20 | 23 37 | 27 34 | 5 0 | 25 6 | 1 46 | 22 11 | 0 21 | 23 27 | 0 46 | 12 36 | 0 29 | 7 34 | 2 43 | 16 50 | 0 46 | 5 2 | 2 0 | 32 32 | 16 32 | 6 56 | 6 43 | 19 28 | | | n.a. |
| M21 | 23 33 | 25 0 | 4 51 | 24 53 | 1 45 | 22 24 | 0 18 | 23 33 | 0 46 | 12 37 | 0 29 | 7 35 | 2 43 | 16 49 | 0 46 | 5 2 | 2 0 | 32 31 | 16 31 | 6 51 | 6 42 | 19 31 | | | n.a. |
| T 22 | 23 28 | 21 9 | 4 27 | 24 38 | 1 43 | 22 36 | 0 15 | 23 38 | 0 47 | 12 37 | 0 28 | 7 35 | 2 44 | 16 48 | 0 46 | 5 2 | 2 0 | 32 30 | 16 31 | 6 47 | 6 41 | 19 33 | | | n.a. |
| W23 | 23 23 | 16 13 | 3 49 | 24 21 | 1 40 | 22 48 | 0 12 | 23 44 | 0 47 | 12 37 | 0 28 | 7 35 | 2 44 | 16 47 | 0 46 | 5 2 | 2 0 | 32 29 | 16 31 | 6 44 | 6 40 | 19 36 | | | n.a. |
| T 24 | 23 18 | 10 27 | 2 58 | 24 2 | 1 37 | 22 59 | 0 9 | 23 49 | 0 48 | 12 38 | 0 28 | 7 36 | 2 44 | 16 45 | 0 46 | 5 2 | 2 0 | 32 28 | 16 31 | 6 42 | 6 38 | 19 39 | | | n.a. |
| F 25 | 23 12 | 4 8 | 1 56 | 23 42 | 1 34 | 23 9 | 0 7 | 23 54 | 0 48 | 12 39 | 0 28 | 7 37 | 2 45 | 16 44 | 0 46 | 5 2 | 2 0 | 32 28 | 16 30 | 6 41 | 6 37 | 19 41 | | | n.a. |
| S 26 | 23 5 | 2s29 | 0 46 | 23 20 | 1 30 | 23 19 | 0 4 | 23 58 | 0 49 | 12 39 | 0 27 | 7 37 | 2 45 | 16 43 | 0 46 | 5 2 | 2 0 | 32 27 | 16 30 | 6 40 | 6 36 | 19 44 | | | n.a. |
| S 27 | 22 59 | 9 6 | 0s27 | 22 57 | 1 26 | 23 28 | 0 1 | 24 3 | 0 50 | 12 40 | 0 27 | 7 38 | 2 45 | 16 42 | 0 46 | 5 3 | 2 0 | 32 26 | 16 30 | 6 40 | 6 35 | 19 47 | | | n.a. |
| M28 | 22 52 | 15 21 | 1 40 | 22 33 | 1 21 | 23 37 | 0n 2 | 24 7 | 0 50 | 12 41 | 0 27 | 7 39 | 2 45 | 16 41 | 0 46 | 5 3 | 2 0 | 32 25 | 16 30 | 6 40 | 6 34 | 19 50 | | | n.a. |
| T 29 | 22 44 | 20 53 | 2 48 | 22 7 | 1 16 | 23 44 | 0 5 | 24 11 | 0 51 | 12 42 | 0 27 | 7 39 | 2 46 | 16 40 | 0 46 | 5 3 | 1 59 | 32 24 | 16 29 | 6 39 | 6 32 | 19 52 | | | n.a. |
| W30 | 22 36 | 25 14 | 3 45 | 21 40 | 1 11 | 23 52 | 0 7 | 24 15 | 0 51 | 12 43 | 0 27 | 7 40 | 2 46 | 16 39 | 0 46 | 5 3 | 1 59 | 32 23 | 16 29 | 6 37 | 6 31 | 19 55 | | | n.a. |
| T 31 | 22n28 | 27s57 | 4s28 | 21n12 | 1n 6 | 23n58 | 0n10 | 24n19 | 0n52 | 12s44 | 0n26 | 7s41 | 2s46 | 16n38 | 0n46 | 5s 4 | 1n59 | 32n22 | 16n29 | 6n34 | 6n30 | 19n58 | | | n.a. |

Julian Day Number = 998774.5, Delta T = 12h53m42s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'04, Lahiri = -31°14'04 Julian Calendar 1 July 1979 BCE == Greg. Calendar 14 June 1979 BCE

The year -1978 astronomical counting style corresponds to year 1979 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## AUGUST 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 30 24 | 20♋34'38 | 4♉ 6 | 3♌35 | 25♊28 | 19♊40 | 4♏ 8 | 17°R13 | 17♌32 | 17♎13 | 14♌49 | 16°R13 | 16♈ 9 | 17♉36 | n.a. | F 1 |
| S 2 | 19 34 20 | 21°33'16 | 18°33 | 5°14 | 26°42 | 20°17 | 4°11 | 17♓12 | 17°36 | 17°14 | 14°51 | 16♈ 1 | 16° 6 | 17°43 | n.a. | S 2 |
| S 3 | 19 38 17 | 22°31'55 | 2♒45 | 6°52 | 27°56 | 20°55 | 4°14 | 17°10 | 17°39 | 17°14 | 14°53 | 15°50 | 16° 2 | 17°50 | n.a. | S 3 |
| M 4 | 19 42 13 | 23°30'36 | 16°37 | 8°29 | 29° 9 | 21°32 | 4°17 | 17° 8 | 17°43 | 17°15 | 14°55 | 15°39 | 15°59 | 17°56 | n.a. | M 4 |
| T 5 | 19 46 10 | 24°29'20 | 0♓ 5 | 10° 5 | 0♋23 | 22°10 | 4°20 | 17° 6 | 17°46 | 17°15 | 14°58 | 15°30 | 15°56 | 18° 3 | n.a. | T 5 |
| W 6 | 19 50 6 | 25°28'06 | 13° 8 | 11°40 | 1°37 | 22°48 | 4°23 | 17° 4 | 17°50 | 17°16 | 15° 0 | 15°24 | 15°53 | 18°10 | n.a. | W 6 |
| T 7 | 19 54 3 | 26°26'54 | 25°47 | 13°13 | 2°51 | 23°25 | 4°27 | 17° 2 | 17°53 | 17°17 | 15° 2 | 15°21 | 15°50 | 18°16 | n.a. | T 7 |
| F 8 | 19 58 0 | 27°25'45 | 8♈ 7 | 14°46 | 4° 5 | 24° 3 | 4°31 | 17° 0 | 17°57 | 17°17 | 15° 4 | 15°19 | 15°47 | 18°23 | n.a. | F 8 |
| S 9 | 20 1 56 | 28°24'38 | 20°11 | 16°18 | 5°19 | 24°40 | 4°35 | 16°57 | 18° 1 | 17°18 | 15° 7 | 15°D19 | 15°43 | 18°30 | n.a. | S 9 |
| S 10 | 20 5 53 | 29°23'34 | 2♉ 4 | 17°49 | 6°33 | 25°17 | 4°39 | 16°55 | 18° 4 | 17°19 | 15° 9 | 15°R19 | 15°40 | 18°36 | n.a. | S 10 |
| M11 | 20 9 49 | 0♌22'32 | 13°53 | 19°19 | 7°47 | 25°55 | 4°43 | 16°53 | 18° 8 | 17°20 | 15°11 | 15°18 | 15°37 | 18°43 | n.a. | M11 |
| T 12 | 20 13 46 | 1°21'32 | 25°43 | 20°47 | 9° 1 | 26°32 | 4°48 | 16°50 | 18°12 | 17°20 | 15°13 | 15°16 | 15°34 | 18°50 | n.a. | T 12 |
| W13 | 20 17 42 | 2°20'35 | 7♊38 | 22°15 | 10°15 | 27°10 | 4°52 | 16°47 | 18°15 | 17°21 | 15°16 | 15°11 | 15°31 | 18°56 | n.a. | W13 |
| T 14 | 20 21 39 | 3°19'41 | 19°43 | 23°42 | 11°29 | 27°47 | 4°57 | 16°44 | 18°19 | 17°22 | 15°18 | 15° 3 | 15°28 | 19° 3 | n.a. | T 14 |
| F 15 | 20 25 35 | 4°18'49 | 2♋ 1 | 25° 8 | 12°44 | 28°24 | 5° 2 | 16°42 | 18°23 | 17°23 | 15°20 | 14°53 | 15°24 | 19°10 | n.a. | F 15 |
| S 16 | 20 29 32 | 5°17'59 | 14°34 | 26°33 | 13°58 | 29° 2 | 5° 7 | 16°39 | 18°26 | 17°24 | 15°23 | 14°41 | 15°21 | 19°16 | n.a. | S 16 |
| S 17 | 20 33 28 | 6°17'12 | 27°23 | 27°56 | 15°12 | 29°39 | 5°12 | 16°36 | 18°30 | 17°25 | 15°25 | 14°29 | 15°18 | 19°23 | n.a. | S 17 |
| M18 | 20 37 25 | 7°16'27 | 10♌28 | 29°19 | 16°27 | 0♋16 | 5°18 | 16°32 | 18°34 | 17°26 | 15°27 | 14°17 | 15°15 | 19°30 | n.a. | M18 |
| T 19 | 20 41 22 | 8°15'44 | 23°47 | 0♍40 | 17°41 | 0°54 | 5°24 | 16°29 | 18°38 | 17°27 | 15°30 | 14° 7 | 15°12 | 19°36 | n.a. | T 19 |
| W20 | 20 45 18 | 9°15'03 | 7♍17 | 2° 0 | 18°56 | 1°31 | 5°29 | 16°26 | 18°41 | 17°28 | 15°32 | 14° 0 | 15° 8 | 19°43 | n.a. | W20 |
| T 21 | 20 49 15 | 10°14'24 | 20°58 | 3°19 | 20°10 | 2° 8 | 5°35 | 16°22 | 18°45 | 17°29 | 15°34 | 13°55 | 15° 5 | 19°50 | n.a. | T 21 |
| F 22 | 20 53 11 | 11°13'47 | 4♎47 | 4°37 | 21°25 | 2°45 | 5°41 | 16°19 | 18°49 | 17°31 | 15°37 | 13°53 | 15° 2 | 19°56 | n.a. | F 22 |
| S 23 | 20 57 8 | 12°13'12 | 18°42 | 5°53 | 22°39 | 3°22 | 5°48 | 16°15 | 18°53 | 17°32 | 15°39 | 13°D53 | 14°59 | 20° 3 | n.a. | S 23 |
| S 24 | 21 1 4 | 13°12'39 | 2♏43 | 7° 8 | 23°54 | 3°59 | 5°54 | 16°12 | 18°57 | 17°33 | 15°41 | 13°53 | 14°56 | 20°10 | n.a. | S 24 |
| M25 | 21 5 1 | 14°12'08 | 16°49 | 8°21 | 25° 9 | 4°37 | 6° 1 | 16° 8 | 19° 0 | 17°34 | 15°44 | 13°R53 | 14°53 | 20°16 | n.a. | M25 |
| T 26 | 21 8 57 | 15°11'39 | 0♐59 | 9°33 | 26°24 | 5°14 | 6° 8 | 16° 4 | 19° 4 | 17°35 | 15°46 | 13°52 | 14°49 | 20°23 | n.a. | T 26 |
| W27 | 21 12 54 | 16°11'12 | 15°11 | 10°43 | 27°38 | 5°51 | 6°14 | 16° 0 | 19° 8 | 17°37 | 15°48 | 13°49 | 14°46 | 20°30 | n.a. | W27 |
| T 28 | 21 16 50 | 17°10'47 | 29°23 | 11°51 | 28°53 | 6°28 | 6°22 | 15°56 | 19°12 | 17°38 | 15°51 | 13°43 | 14°43 | 20°37 | n.a. | T 28 |
| F 29 | 21 20 47 | 18°10'24 | 13♑32 | 12°57 | 0♌ 8 | 7° 5 | 6°29 | 15°52 | 19°16 | 17°39 | 15°53 | 13°36 | 14°40 | 20°43 | n.a. | F 29 |
| S 30 | 21 24 44 | 19°10'03 | 27°32 | 14° 0 | 1°23 | 7°42 | 6°36 | 15°48 | 19°19 | 17°41 | 15°55 | 13°27 | 14°37 | 20°50 | n.a. | S 30 |
| S 31 | 21 28 40 | 20♌ 9'44 | 11♒21 | 15♍ 1 | 2♌38 | 8♋19 | 6♏44 | 15♓44 | 19♌23 | 17♎42 | 15♌58 | 13♈18 | 14♈34 | 20♉57 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n19 | 28s45 | 4s54 | 20n43 | 1n 0 | 24n 3 | 0n13 | 24n23 | 0n52 | 12s45 | 0n26 | 7s42 | 2s47 | 16n37 | 0n46 | 5s 4 | 1n59 | 32n21 | 16n29 | 6n30 | 6n29 | 20n 0 | | n.a. |
| S 2 | 22 9 | 27 34 | 5 0 | 20 13 | 0 55 | 24 8 | 0 15 | 24 26 | 0 53 | 12 46 | 0 26 | 7 43 | 2 47 | 16 36 | 0 46 | 5 4 | 1 59 | 32 20 | 16 29 | 6 26 | 6 27 | 20 3 | | n.a. |
| S 3 | 22 0 | 24 36 | 4 47 | 19 43 | 0 48 | 24 13 | 0 18 | 24 30 | 0 53 | 12 47 | 0 26 | 7 44 | 2 47 | 16 35 | 0 46 | 5 4 | 1 59 | 32 20 | 16 28 | 6 21 | 6 26 | 20 6 | | n.a. |
| M 4 | 21 50 | 20 16 | 4 18 | 19 11 | 0 42 | 24 16 | 0 21 | 24 33 | 0 54 | 12 48 | 0 25 | 7 44 | 2 47 | 16 34 | 0 46 | 5 5 | 1 59 | 32 19 | 16 28 | 6 17 | 6 25 | 20 8 | | n.a. |
| T 5 | 21 39 | 15 1 | 3 35 | 18 39 | 0 36 | 24 19 | 0 23 | 24 36 | 0 55 | 12 50 | 0 25 | 7 45 | 2 48 | 16 32 | 0 46 | 5 5 | 1 59 | 32 18 | 16 28 | 6 13 | 6 24 | 20 11 | | n.a. |
| W 6 | 21 29 | 9 14 | 2 42 | 18 6 | 0 29 | 24 21 | 0 26 | 24 38 | 0 55 | 12 51 | 0 25 | 7 47 | 2 48 | 16 31 | 0 46 | 5 5 | 1 59 | 32 17 | 16 28 | 6 11 | 6 22 | 20 13 | | n.a. |
| T 7 | 21 17 | 3 15 | 1 42 | 17 33 | 0 22 | 24 22 | 0 28 | 24 41 | 0 56 | 12 52 | 0 25 | 7 48 | 2 48 | 16 30 | 0 46 | 5 6 | 1 59 | 32 16 | 16 28 | 6 10 | 6 21 | 20 16 | | n.a. |
| F 8 | 21 6 | 2n42 | 0 38 | 16 59 | 0 15 | 24 22 | 0 31 | 24 43 | 0 56 | 12 54 | 0 25 | 7 49 | 2 49 | 16 29 | 0 46 | 5 6 | 1 59 | 32 15 | 16 28 | 6 9 | 6 20 | 20 19 | | n.a. |
| S 9 | 20 54 | 8 26 | 0n26 | 16 24 | 0 8 | 24 22 | 0 33 | 24 46 | 0 57 | 12 55 | 0 24 | 7 50 | 2 49 | 16 28 | 0 46 | 5 6 | 1 59 | 32 14 | 16 28 | 6 9 | 6 19 | 20 21 | | n.a. |
| S 10 | 20 41 | 13 48 | 1 28 | 15 49 | 0 1 | 24 21 | 0 36 | 24 48 | 0 57 | 12 57 | 0 24 | 7 51 | 2 49 | 16 27 | 0 46 | 5 7 | 1 59 | 32 14 | 16 27 | 6 9 | 6 17 | 20 24 | | n.a. |
| M11 | 20 29 | 18 38 | 2 25 | 15 14 | 0s 6 | 24 20 | 0 38 | 24 49 | 0 58 | 12 59 | 0 24 | 7 52 | 2 49 | 16 26 | 0 46 | 5 7 | 1 59 | 32 13 | 16 27 | 6 9 | 6 16 | 20 27 | | n.a. |
| T 12 | 20 16 | 22 46 | 3 17 | 14 38 | 0 14 | 24 17 | 0 40 | 24 51 | 0 58 | 13 0 | 0 24 | 7 54 | 2 50 | 16 24 | 0 46 | 5 7 | 1 58 | 32 12 | 16 27 | 6 8 | 6 15 | 20 29 | | n.a. |
| W13 | 20 2 | 25 58 | 4 0 | 14 2 | 0 21 | 24 14 | 0 43 | 24 53 | 0 59 | 13 2 | 0 24 | 7 55 | 2 50 | 16 23 | 0 46 | 5 8 | 1 58 | 32 11 | 16 27 | 6 6 | 6 14 | 20 32 | | n.a. |
| T 14 | 19 48 | 28 3 | 4 33 | 13 26 | 0 29 | 24 10 | 0 45 | 24 54 | 1 0 | 13 4 | 0 23 | 7 56 | 2 50 | 16 22 | 0 46 | 5 8 | 1 58 | 32 10 | 16 27 | 6 3 | 6 12 | 20 34 | | n.a. |
| F 15 | 19 34 | 28 49 | 4 54 | 12 50 | 0 36 | 24 5 | 0 47 | 24 55 | 1 0 | 13 6 | 0 23 | 7 58 | 2 50 | 16 21 | 0 46 | 5 9 | 1 58 | 32 9 | 16 27 | 5 59 | 6 11 | 20 37 | | n.a. |
| S 16 | 19 20 | 28 6 | 5 2 | 12 14 | 0 44 | 24 0 | 0 49 | 24 56 | 1 1 | 13 8 | 0 23 | 7 59 | 2 51 | 16 20 | 0 46 | 5 9 | 1 58 | 32 9 | 16 27 | 5 54 | 6 10 | 20 40 | | n.a. |
| S 17 | 19 5 | 25 54 | 4 54 | 11 37 | 0 52 | 23 53 | 0 51 | 24 57 | 1 1 | 13 10 | 0 23 | 8 0 | 2 51 | 16 18 | 0 46 | 5 10 | 1 58 | 32 8 | 16 27 | 5 49 | 6 9 | 20 42 | | n.a. |
| M18 | 18 50 | 22 19 | 4 31 | 11 1 | 0 59 | 23 46 | 0 54 | 24 57 | 1 2 | 13 12 | 0 23 | 8 2 | 2 51 | 16 17 | 0 46 | 5 10 | 1 58 | 32 7 | 16 27 | 5 45 | 6 7 | 20 45 | | n.a. |
| T 19 | 18 34 | 17 31 | 3 53 | 10 25 | 1 7 | 23 39 | 0 56 | 24 58 | 1 2 | 13 14 | 0 22 | 8 3 | 2 51 | 16 16 | 0 46 | 5 10 | 1 58 | 32 6 | 16 27 | 5 41 | 6 6 | 20 47 | | n.a. |
| W20 | 18 18 | 11 49 | 3 2 | 9 49 | 1 15 | 23 30 | 0 57 | 24 58 | 1 3 | 13 16 | 0 22 | 8 5 | 2 51 | 16 15 | 0 46 | 5 11 | 1 58 | 32 5 | 16 27 | 5 38 | 6 5 | 20 50 | | n.a. |
| T 21 | 18 2 | 5 28 | 1 59 | 9 13 | 1 22 | 23 21 | 0 59 | 24 58 | 1 3 | 13 18 | 0 22 | 8 6 | 2 52 | 16 14 | 0 46 | 5 11 | 1 58 | 32 5 | 16 27 | 5 36 | 6 4 | 20 52 | | n.a. |
| F 22 | 17 45 | 1s12 | 0 48 | 8 37 | 1 30 | 23 11 | 1 1 | 24 58 | 1 4 | 13 21 | 0 22 | 8 8 | 2 52 | 16 12 | 0 46 | 5 12 | 1 58 | 32 4 | 16 27 | 5 35 | 6 2 | 20 55 | | n.a. |
| S 23 | 17 29 | 7 52 | 0s26 | 8 2 | 1 38 | 23 1 | 1 3 | 24 57 | 1 5 | 13 23 | 0 22 | 8 10 | 2 52 | 16 11 | 0 46 | 5 12 | 1 58 | 32 3 | 16 27 | 5 35 | 6 1 | 20 58 | | n.a. |
| S 24 | 17 11 | 14 12 | 1 39 | 7 27 | 1 45 | 22 49 | 1 5 | 24 57 | 1 5 | 13 25 | 0 21 | 8 11 | 2 52 | 16 10 | 0 46 | 5 13 | 1 58 | 32 2 | 16 27 | 5 35 | 6 0 | 21 0 | | n.a. |
| M25 | 16 54 | 19 51 | 2 47 | 6 52 | 1 53 | 22 37 | 1 6 | 24 56 | 1 6 | 13 28 | 0 21 | 8 13 | 2 52 | 16 9 | 0 46 | 5 14 | 1 58 | 32 1 | 16 27 | 5 35 | 5 59 | 21 3 | | n.a. |
| T 26 | 16 36 | 24 25 | 3 44 | 6 18 | 2 0 | 22 25 | 1 8 | 24 55 | 1 6 | 13 30 | 0 21 | 8 15 | 2 53 | 16 8 | 0 46 | 5 14 | 1 58 | 32 1 | 16 27 | 5 35 | 5 57 | 21 5 | | n.a. |
| W27 | 16 18 | 27 31 | 4 28 | 5 45 | 2 7 | 22 11 | 1 10 | 24 54 | 1 7 | 13 33 | 0 21 | 8 16 | 2 53 | 16 6 | 0 46 | 5 15 | 1 57 | 32 0 | 16 27 | 5 33 | 5 56 | 21 8 | | n.a. |
| T 28 | 16 0 | 28 51 | 4 56 | 5 12 | 2 14 | 21 57 | 1 11 | 24 53 | 1 7 | 13 35 | 0 21 | 8 18 | 2 53 | 16 5 | 0 46 | 5 15 | 1 57 | 31 59 | 16 27 | 5 31 | 5 55 | 21 10 | | n.a. |
| F 29 | 15 41 | 28 17 | 5 5 | 4 40 | 2 21 | 21 43 | 1 12 | 24 52 | 1 8 | 13 38 | 0 20 | 8 20 | 2 53 | 16 4 | 0 46 | 5 16 | 1 57 | 31 58 | 16 27 | 5 28 | 5 54 | 21 13 | | n.a. |
| S 30 | 15 23 | 25 54 | 4 56 | 4 9 | 2 27 | 21 27 | 1 14 | 24 50 | 1 8 | 13 41 | 0 20 | 8 22 | 2 53 | 16 3 | 0 46 | 5 16 | 1 57 | 31 58 | 16 27 | 5 25 | 5 52 | 21 15 | | n.a. |
| S 31 | 15n 3 | 22s 2 | 4s30 | 3n40 | 2s34 | 21n11 | 1n15 | 24n48 | 1n 9 | 13s43 | 0n20 | 8s23 | 2s54 | 16n 2 | 0n46 | 5s17 | 1n57 | 31n57 | 16n27 | 5n21 | 5n51 | 21n18 | | n.a. |

Julian Day Number = 998805.5, Delta T = 12h53m40s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°21'00, Lahiri = -31°14'00 Julian Calendar 1 Aug. 1979 BCE == Greg. Calendar 15 July 1979 BCE

The year -1978 astronomical counting style corresponds to year 1979 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## SEPTEMBER 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 32 37 | 21♌ 9'27 | 24♒54 | 16♍ 0 | 3♌53 | 8♋55 | 6♏51 | 15°R40 | 19♌27 | 17♎44 | 16♌ 0 | 13°R 9 | 14♈30 | 21♉ 3 | n.a. | M 1 |
| T 2 | 21 36 33 | 22° 9'12 | 8♓ 8 | 16°55 | 5° 8 | 9°32 | 6°59 | 15♓36 | 19°31 | 17°45 | 16° 2 | 13♈ 2 | 14°27 | 21°10 | n.a. | T 2 |
| W 3 | 21 40 30 | 23° 8'59 | 21° 2 | 17°47 | 6°23 | 10° 9 | 7° 7 | 15°31 | 19°35 | 17°46 | 16° 5 | 12°58 | 14°24 | 21°17 | n.a. | W 3 |
| T 4 | 21 44 26 | 24° 8'49 | 3♈37 | 18°36 | 7°38 | 10°46 | 7°15 | 15°27 | 19°38 | 17°48 | 16° 7 | 12°55 | 14°21 | 21°23 | n.a. | T 4 |
| F 5 | 21 48 23 | 25° 8'41 | 15°55 | 19°21 | 8°53 | 11°23 | 7°23 | 15°22 | 19°42 | 17°49 | 16° 9 | 12°D55 | 14°18 | 21°30 | n.a. | F 5 |
| S 6 | 21 52 19 | 26° 8'35 | 27°59 | 20° 1 | 10° 8 | 12° 0 | 7°32 | 15°18 | 19°46 | 17°51 | 16°12 | 12°56 | 14°14 | 21°37 | n.a. | S 6 |
| S 7 | 21 56 16 | 27° 8'31 | 9♉53 | 20°36 | 11°24 | 12°36 | 7°40 | 15°13 | 19°50 | 17°53 | 16°14 | 12°57 | 14°11 | 21°43 | n.a. | S 7 |
| M 8 | 22 0 12 | 28° 8'30 | 21°43 | 21° 7 | 12°39 | 13°13 | 7°49 | 15° 9 | 19°54 | 17°54 | 16°16 | 12°58 | 14° 8 | 21°50 | n.a. | M 8 |
| T 9 | 22 4 9 | 29° 8'32 | 3♊34 | 21°31 | 13°54 | 13°50 | 7°57 | 15° 4 | 19°57 | 17°56 | 16°19 | 12°R58 | 14° 5 | 21°57 | n.a. | T 9 |
| W10 | 22 8 6 | 0♍ 8'36 | 15°30 | 21°49 | 15° 9 | 14°27 | 8° 6 | 15° 0 | 20° 1 | 17°57 | 16°21 | 12°57 | 14° 2 | 22° 3 | n.a. | W10 |
| T 11 | 22 12 2 | 1° 8'42 | 27°36 | 22° 0 | 16°25 | 15° 3 | 8°15 | 14°55 | 20° 5 | 17°59 | 16°23 | 12°54 | 13°59 | 22°10 | n.a. | T 11 |
| F 12 | 22 15 59 | 2° 8'50 | 9♋58 | 22°R 4 | 17°40 | 15°40 | 8°24 | 14°50 | 20° 9 | 18° 1 | 16°26 | 12°49 | 13°55 | 22°17 | n.a. | F 12 |
| S 13 | 22 19 55 | 3° 9'01 | 22°38 | 21°59 | 18°55 | 16°17 | 8°33 | 14°45 | 20°12 | 18° 3 | 16°28 | 12°42 | 13°52 | 22°23 | n.a. | S 13 |
| S 14 | 22 23 52 | 4° 9'14 | 5♌37 | 21°46 | 20°11 | 16°53 | 8°43 | 14°41 | 20°16 | 18° 4 | 16°30 | 12°36 | 13°49 | 22°30 | n.a. | S 14 |
| M15 | 22 27 48 | 5° 9'29 | 18°57 | 21°24 | 21°26 | 17°30 | 8°52 | 14°36 | 20°20 | 18° 6 | 16°32 | 12°29 | 13°46 | 22°37 | n.a. | M15 |
| T 16 | 22 31 45 | 6° 9'46 | 2♍36 | 20°52 | 22°41 | 18° 6 | 9° 2 | 14°31 | 20°24 | 18° 8 | 16°35 | 12°23 | 13°43 | 22°43 | n.a. | T 16 |
| W17 | 22 35 41 | 7°10'04 | 16°32 | 20°11 | 23°57 | 18°43 | 9°12 | 14°26 | 20°27 | 18°10 | 16°37 | 12°19 | 13°39 | 22°50 | n.a. | W17 |
| T 18 | 22 39 38 | 8°10'25 | 0♎39 | 19°21 | 25°12 | 19°19 | 9°21 | 14°21 | 20°31 | 18°11 | 16°39 | 12°17 | 13°36 | 22°57 | n.a. | T 18 |
| F 19 | 22 43 35 | 9°10'48 | 14°55 | 18°22 | 26°28 | 19°56 | 9°31 | 14°16 | 20°35 | 18°13 | 16°41 | 12°D16 | 13°33 | 23° 3 | n.a. | F 19 |
| S 20 | 22 47 31 | 10°11'12 | 29°14 | 17°16 | 27°43 | 20°32 | 9°41 | 14°11 | 20°38 | 18°15 | 16°44 | 12°17 | 13°30 | 23°10 | n.a. | S 20 |
| S 21 | 22 51 28 | 11°11'38 | 13♏33 | 16° 3 | 28°59 | 21° 8 | 9°52 | 14° 6 | 20°42 | 18°17 | 16°46 | 12°19 | 13°27 | 23°17 | n.a. | S 21 |
| M22 | 22 55 24 | 12°12'05 | 27°49 | 14°46 | 0♍14 | 21°45 | 10° 2 | 14° 1 | 20°45 | 18°19 | 16°48 | 12°20 | 13°24 | 23°23 | n.a. | M22 |
| T 23 | 22 59 21 | 13°12'35 | 11♐59 | 13°27 | 1°30 | 22°21 | 10°12 | 13°56 | 20°49 | 18°21 | 16°50 | 12°R21 | 13°20 | 23°30 | n.a. | T 23 |
| W24 | 23 3 17 | 14°13'05 | 26° 2 | 12° 8 | 2°45 | 22°57 | 10°23 | 13°52 | 20°53 | 18°23 | 16°52 | 12°20 | 13°17 | 23°37 | n.a. | W24 |
| T 25 | 23 7 14 | 15°13'38 | 9♑56 | 10°53 | 4° 1 | 23°33 | 10°33 | 13°47 | 20°56 | 18°25 | 16°54 | 12°18 | 13°14 | 23°43 | n.a. | T 25 |
| F 26 | 23 11 10 | 16°14'11 | 23°41 | 9°42 | 5°17 | 24°10 | 10°44 | 13°42 | 21° 0 | 18°27 | 16°57 | 12°15 | 13°11 | 23°50 | n.a. | F 26 |
| S 27 | 23 15 7 | 17°14'46 | 7♒15 | 8°40 | 6°32 | 24°46 | 10°55 | 13°37 | 21° 3 | 18°29 | 16°59 | 12°12 | 13° 8 | 23°57 | n.a. | S 27 |
| S 28 | 23 19 3 | 18°15'23 | 20°36 | 7°46 | 7°48 | 25°22 | 11° 6 | 13°32 | 21° 7 | 18°31 | 17° 1 | 12° 8 | 13° 5 | 24° 3 | n.a. | S 28 |
| M29 | 23 23 0 | 19°16'01 | 3♓44 | 7° 3 | 9° 3 | 25°58 | 11°17 | 13°27 | 21°10 | 18°33 | 17° 3 | 12° 4 | 13° 1 | 24°10 | n.a. | M29 |
| T 30 | 23 26 57 | 20♍16'41 | 16♓37 | 6♍32 | 10♍19 | 26♋34 | 11♏28 | 13♓22 | 21♌14 | 18♎35 | 17♌ 5 | 12♈ 1 | 12♈58 | 24♉17 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14n44 | 17s 4 | 3s49 | 3n11 | 2s40 | 20n55 | 1n16 | 24n46 | 1n10 | 13s46 | 0n20 | 8s25 | 2s54 | 16n 0 | 0n46 | 5s18 | 1n57 | 31n56 | 16n27 | 5n18 | 5n50 | 21n20 | | n.a. |
| T 2 | 14 24 | 11 24 | 2 56 | 2 44 | 2 45 | 20 37 | 1 18 | 24 44 | 1 10 | 13 49 | 0 20 | 8 27 | 2 54 | 15 59 | 0 46 | 5 18 | 1 57 | 31 56 | 16 27 | 5 15 | 5 49 | 21 23 | | n.a. |
| W 3 | 14 5 | 5 23 | 1 55 | 2 19 | 2 51 | 20 19 | 1 19 | 24 42 | 1 11 | 13 52 | 0 19 | 8 29 | 2 54 | 15 58 | 0 46 | 5 19 | 1 57 | 31 55 | 16 27 | 5 13 | 5 47 | 21 25 | | n.a. |
| T 4 | 13 44 | 0n42 | 0 50 | 1 55 | 2 56 | 20 1 | 1 20 | 24 40 | 1 11 | 13 54 | 0 19 | 8 31 | 2 54 | 15 57 | 0 46 | 5 19 | 1 57 | 31 54 | 16 27 | 5 12 | 5 46 | 21 28 | | n.a. |
| F 5 | 13 24 | 6 38 | 0n16 | 1 33 | 3 0 | 19 42 | 1 21 | 24 37 | 1 12 | 13 57 | 0 19 | 8 33 | 2 54 | 15 55 | 0 46 | 5 20 | 1 57 | 31 54 | 16 27 | 5 12 | 5 45 | 21 30 | | n.a. |
| S 6 | 13 3 | 12 13 | 1 21 | 1 14 | 3 4 | 19 22 | 1 22 | 24 34 | 1 12 | 14 0 | 0 19 | 8 35 | 2 54 | 15 54 | 0 46 | 5 21 | 1 57 | 31 53 | 16 27 | 5 12 | 5 44 | 21 33 | | n.a. |
| S 7 | 12 43 | 17 18 | 2 21 | 0 56 | 3 7 | 19 2 | 1 23 | 24 31 | 1 13 | 14 3 | 0 19 | 8 36 | 2 54 | 15 53 | 0 46 | 5 21 | 1 57 | 31 52 | 16 28 | 5 13 | 5 42 | 21 35 | | n.a. |
| M 8 | 12 22 | 21 41 | 3 14 | 0 42 | 3 9 | 18 41 | 1 23 | 24 28 | 1 14 | 14 6 | 0 19 | 8 38 | 2 55 | 15 52 | 0 46 | 5 22 | 1 57 | 31 52 | 16 28 | 5 13 | 5 41 | 21 38 | | n.a. |
| T 9 | 12 0 | 25 13 | 4 0 | 0 31 | 3 11 | 18 20 | 1 24 | 24 25 | 1 14 | 14 9 | 0 18 | 8 40 | 2 55 | 15 51 | 0 46 | 5 23 | 1 57 | 31 51 | 16 28 | 5 13 | 5 40 | 21 40 | | n.a. |
| W10 | 11 39 | 27 41 | 4 35 | 0 23 | 3 11 | 17 58 | 1 25 | 24 22 | 1 15 | 14 12 | 0 18 | 8 42 | 2 55 | 15 49 | 0 46 | 5 23 | 1 57 | 31 50 | 16 28 | 5 13 | 5 38 | 21 43 | | n.a. |
| T 11 | 11 17 | 28 53 | 4 59 | 0 19 | 3 11 | 17 35 | 1 25 | 24 18 | 1 15 | 14 15 | 0 18 | 8 44 | 2 55 | 15 48 | 0 46 | 5 24 | 1 57 | 31 50 | 16 28 | 5 12 | 5 37 | 21 45 | | n.a. |
| F 12 | 10 55 | 28 41 | 5 9 | 0 19 | 3 9 | 17 12 | 1 26 | 24 14 | 1 16 | 14 19 | 0 18 | 8 46 | 2 55 | 15 47 | 0 46 | 5 25 | 1 57 | 31 49 | 16 28 | 5 10 | 5 36 | 21 48 | | n.a. |
| S 13 | 10 33 | 27 0 | 5 5 | 0 24 | 3 6 | 16 49 | 1 26 | 24 10 | 1 16 | 14 22 | 0 18 | 8 48 | 2 55 | 15 46 | 0 46 | 5 26 | 1 57 | 31 49 | 16 29 | 5 7 | 5 35 | 21 50 | | n.a. |
| S 14 | 10 11 | 23 51 | 4 45 | 0 33 | 3 2 | 16 25 | 1 27 | 24 6 | 1 17 | 14 25 | 0 18 | 8 50 | 2 55 | 15 45 | 0 46 | 5 26 | 1 56 | 31 48 | 16 29 | 5 4 | 5 33 | 21 53 | | n.a. |
| M15 | 9 49 | 19 23 | 4 10 | 0 48 | 2 56 | 16 1 | 1 27 | 24 2 | 1 18 | 14 28 | 0 17 | 8 52 | 2 55 | 15 43 | 0 46 | 5 27 | 1 56 | 31 47 | 16 29 | 5 2 | 5 32 | 21 55 | | n.a. |
| T 16 | 9 26 | 13 50 | 3 19 | 1 7 | 2 48 | 15 36 | 1 27 | 23 58 | 1 18 | 14 32 | 0 17 | 8 54 | 2 55 | 15 42 | 0 46 | 5 28 | 1 56 | 31 47 | 16 29 | 4 59 | 5 31 | 21 57 | | n.a. |
| W17 | 9 3 | 7 30 | 2 16 | 1 33 | 2 38 | 15 11 | 1 27 | 23 53 | 1 19 | 14 35 | 0 17 | 8 56 | 2 55 | 15 41 | 0 46 | 5 28 | 1 56 | 31 46 | 16 29 | 4 58 | 5 30 | 22 0 | | n.a. |
| T 18 | 8 40 | 0 42 | 1 3 | 2 3 | 2 27 | 14 45 | 1 28 | 23 49 | 1 19 | 14 38 | 0 17 | 8 58 | 2 55 | 15 40 | 0 46 | 5 29 | 1 56 | 31 46 | 16 30 | 4 57 | 5 28 | 22 2 | | n.a. |
| F 19 | 8 17 | 6s13 | 0s14 | 2 39 | 2 13 | 14 19 | 1 28 | 23 44 | 1 20 | 14 42 | 0 17 | 9 0 | 2 55 | 15 39 | 0 46 | 5 30 | 1 56 | 31 45 | 16 30 | 4 57 | 5 27 | 22 5 | | n.a. |
| S 20 | 7 54 | 12 51 | 1 31 | 3 19 | 1 58 | 13 52 | 1 28 | 23 39 | 1 20 | 14 45 | 0 17 | 9 2 | 2 55 | 15 38 | 0 46 | 5 31 | 1 56 | 31 45 | 16 30 | 4 57 | 5 26 | 22 7 | | n.a. |
| S 21 | 7 31 | 18 48 | 2 43 | 4 4 | 1 41 | 13 26 | 1 27 | 23 34 | 1 21 | 14 48 | 0 16 | 9 4 | 2 55 | 15 36 | 0 46 | 5 32 | 1 56 | 31 44 | 16 30 | 4 58 | 5 25 | 22 9 | | n.a. |
| M22 | 7 7 | 23 42 | 3 44 | 4 51 | 1 22 | 12 58 | 1 27 | 23 28 | 1 22 | 14 52 | 0 16 | 9 6 | 2 56 | 15 35 | 0 46 | 5 32 | 1 56 | 31 44 | 16 31 | 4 58 | 5 23 | 22 12 | | n.a. |
| T 23 | 6 44 | 27 9 | 4 31 | 5 40 | 1 3 | 12 31 | 1 27 | 23 23 | 1 22 | 14 55 | 0 16 | 9 8 | 2 56 | 15 34 | 0 46 | 5 33 | 1 56 | 31 43 | 16 31 | 4 58 | 5 22 | 22 14 | | n.a. |
| W24 | 6 20 | 28 53 | 5 1 | 6 30 | 0 42 | 12 3 | 1 27 | 23 17 | 1 23 | 14 59 | 0 16 | 9 10 | 2 56 | 15 33 | 0 46 | 5 34 | 1 56 | 31 43 | 16 31 | 4 58 | 5 21 | 22 17 | | n.a. |
| T 25 | 5 56 | 28 45 | 5 13 | 7 18 | 0 22 | 11 34 | 1 26 | 23 11 | 1 23 | 15 2 | 0 16 | 9 12 | 2 56 | 15 32 | 0 46 | 5 35 | 1 56 | 31 42 | 16 31 | 4 58 | 5 20 | 22 19 | | n.a. |
| F 26 | 5 32 | 26 50 | 5 7 | 8 4 | 0 1 | 11 6 | 1 26 | 23 6 | 1 24 | 15 6 | 0 16 | 9 14 | 2 56 | 15 31 | 0 46 | 5 35 | 1 56 | 31 42 | 16 32 | 4 56 | 5 18 | 22 21 | | n.a. |
| S 27 | 5 8 | 23 24 | 4 44 | 8 46 | 0n18 | 10 37 | 1 26 | 23 0 | 1 25 | 15 10 | 0 15 | 9 16 | 2 56 | 15 29 | 0 46 | 5 36 | 1 56 | 31 42 | 16 32 | 4 55 | 5 17 | 22 24 | | n.a. |
| S 28 | 4 44 | 18 47 | 4 6 | 9 24 | 0 37 | 10 8 | 1 25 | 22 53 | 1 25 | 15 13 | 0 15 | 9 18 | 2 55 | 15 28 | 0 46 | 5 37 | 1 56 | 31 41 | 16 32 | 4 53 | 5 16 | 22 26 | | n.a. |
| M29 | 4 20 | 13 22 | 3 15 | 9 56 | 0 55 | 9 38 | 1 24 | 22 47 | 1 26 | 15 17 | 0 15 | 9 19 | 2 55 | 15 27 | 0 46 | 5 38 | 1 56 | 31 41 | 16 33 | 4 52 | 5 15 | 22 28 | | n.a. |
| T 30 | 3n56 | 7s27 | 2s15 | 10n23 | 1n11 | 9n 8 | 1n24 | 22n41 | 1n26 | 15s20 | 0n15 | 9s21 | 2s55 | 15n26 | 0n46 | 5s39 | 1n56 | 31n40 | 16n33 | 4n51 | 5n13 | 22n31 | | n.a. |

Julian Day Number = 998836.5, Delta T = 12h53m38s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'56, Lahiri = -31°13'56 Julian Calendar 1 Sept. 1979 BCE == Greg. Calendar 15 Aug. 1979 BCE


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## OCTOBER 1979 BCE (-1978) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 30 53 | 21♍17'22 | 29♓15 | 6°R12 | 11♍35 | 27♋10 | 11♏39 | 13°R17 | 21♌17 | 18♎37 | 17♌ 7 | 12°R 0 | 12♈55 | 24♉24 | n.a. | W 1 |
| T 2 | 23 34 50 | 22°18'04 | 11♈40 | 6°D 4 | 12°50 | 27°46 | 11°50 | 13♓12 | 21°21 | 18°39 | 17° 9 | 11°D59 | 12°52 | 24°30 | n.a. | T 2 |
| F 3 | 23 38 46 | 23°18'49 | 23°52 | 6♍ 7 | 14° 6 | 28°22 | 12° 2 | 13° 7 | 21°24 | 18°41 | 17°11 | 12♈ 0 | 12°49 | 24°37 | n.a. | F 3 |
| S 4 | 23 42 43 | 24°19'35 | 5♉53 | 6°21 | 15°22 | 28°58 | 12°13 | 13° 3 | 21°27 | 18°43 | 17°13 | 12° 1 | 12°45 | 24°44 | n.a. | S 4 |
| S 5 | 23 46 39 | 25°20'23 | 17°47 | 6°45 | 16°37 | 29°33 | 12°25 | 12°58 | 21°31 | 18°45 | 17°15 | 12° 2 | 12°42 | 24°50 | n.a. | S 5 |
| M 6 | 23 50 36 | 26°21'13 | 29°36 | 7°17 | 17°53 | 0♌ 9 | 12°36 | 12°53 | 21°34 | 18°47 | 17°17 | 12° 4 | 12°39 | 24°57 | n.a. | M 6 |
| T 7 | 23 54 32 | 27°22'04 | 11♊27 | 7°58 | 19° 9 | 0°45 | 12°48 | 12°48 | 21°37 | 18°50 | 17°19 | 12° 5 | 12°36 | 25° 4 | n.a. | T 7 |
| W 8 | 23 58 29 | 28°22'57 | 23°22 | 8°46 | 20°24 | 1°21 | 13° 0 | 12°44 | 21°41 | 18°52 | 17°21 | 12°R 6 | 12°33 | 25°10 | n.a. | W 8 |
| T 9 | 0 2 26 | 29°23'52 | 5♋26 | 9°40 | 21°40 | 1°56 | 13°12 | 12°39 | 21°44 | 18°54 | 17°23 | 12° 6 | 12°30 | 25°17 | n.a. | T 9 |
| F 10 | 0 6 22 | 0♎24'49 | 17°46 | 10°40 | 22°56 | 2°32 | 13°24 | 12°34 | 21°47 | 18°56 | 17°24 | 12° 5 | 12°26 | 25°24 | n.a. | F 10 |
| S 11 | 0 10 19 | 1°25'47 | 0♌24 | 11°44 | 24°11 | 3° 8 | 13°36 | 12°30 | 21°50 | 18°58 | 17°26 | 12° 4 | 12°23 | 25°30 | n.a. | S 11 |
| S 12 | 0 14 15 | 2°26'46 | 13°24 | 12°53 | 25°27 | 3°43 | 13°48 | 12°25 | 21°53 | 19° 0 | 17°28 | 12° 3 | 12°20 | 25°37 | n.a. | S 12 |
| M13 | 0 18 12 | 3°27'47 | 26°49 | 14° 6 | 26°43 | 4°19 | 14° 0 | 12°21 | 21°56 | 19° 3 | 17°30 | 12° 1 | 12°17 | 25°44 | n.a. | M13 |
| T 14 | 0 22 8 | 4°28'50 | 10♍38 | 15°21 | 27°58 | 4°54 | 14°12 | 12°17 | 21°59 | 19° 5 | 17°32 | 12° 0 | 12°14 | 25°50 | n.a. | T 14 |
| W15 | 0 26 5 | 5°29'53 | 24°49 | 16°39 | 29°14 | 5°30 | 14°25 | 12°12 | 22° 2 | 19° 7 | 17°33 | 12° 0 | 12°11 | 25°57 | n.a. | W15 |
| T 16 | 0 30 1 | 6°30'58 | 9♎19 | 18° 0 | 0♎30 | 6° 5 | 14°37 | 12° 8 | 22° 5 | 19° 9 | 17°35 | 11°D59 | 12° 7 | 26° 4 | n.a. | T 16 |
| F 17 | 0 33 58 | 7°32'04 | 24° 2 | 19°22 | 1°46 | 6°40 | 14°50 | 12° 4 | 22° 8 | 19°11 | 17°37 | 12° 0 | 12° 4 | 26°10 | n.a. | F 17 |
| S 18 | 0 37 55 | 8°33'11 | 8♏50 | 20°46 | 3° 1 | 7°16 | 15° 2 | 12° 0 | 22°11 | 19°14 | 17°39 | 12° 0 | 12° 1 | 26°17 | n.a. | S 18 |
| S 19 | 0 41 51 | 9°34'19 | 23°36 | 22°11 | 4°17 | 7°51 | 15°15 | 11°55 | 22°14 | 19°16 | 17°40 | 12° 0 | 11°58 | 26°24 | n.a. | S 19 |
| M20 | 0 45 48 | 10°35'28 | 8♐14 | 23°38 | 5°33 | 8°26 | 15°27 | 11°51 | 22°17 | 19°18 | 17°42 | 12° 0 | 11°55 | 26°30 | n.a. | M20 |
| T 21 | 0 49 44 | 11°36'37 | 22°38 | 25° 5 | 6°48 | 9° 1 | 15°40 | 11°47 | 22°20 | 19°20 | 17°43 | 12°R 0 | 11°51 | 26°37 | n.a. | T 21 |
| W22 | 0 53 41 | 12°37'47 | 6♑46 | 26°33 | 8° 4 | 9°36 | 15°53 | 11°44 | 22°23 | 19°23 | 17°45 | 12°D 0 | 11°48 | 26°44 | n.a. | W22 |
| T 23 | 0 57 37 | 13°38'58 | 20°37 | 28° 2 | 9°20 | 10°11 | 16° 6 | 11°40 | 22°25 | 19°25 | 17°46 | 12° 0 | 11°45 | 26°51 | n.a. | T 23 |
| F 24 | 1 1 34 | 14°40'09 | 4♒ 8 | 29°32 | 10°36 | 10°46 | 16°19 | 11°36 | 22°28 | 19°27 | 17°48 | 12° 0 | 11°42 | 26°57 | n.a. | F 24 |
| S 25 | 1 5 31 | 15°41'21 | 17°23 | 1♎ 2 | 11°51 | 11°21 | 16°32 | 11°32 | 22°31 | 19°29 | 17°49 | 12° 1 | 11°39 | 27° 4 | n.a. | S 25 |
| S 26 | 1 9 27 | 16°42'33 | 0♓22 | 2°33 | 13° 7 | 11°56 | 16°45 | 11°29 | 22°33 | 19°32 | 17°51 | 12° 1 | 11°36 | 27°11 | n.a. | S 26 |
| M27 | 1 13 24 | 17°43'46 | 13° 6 | 4° 4 | 14°23 | 12°30 | 16°58 | 11°25 | 22°36 | 19°34 | 17°52 | 12° 2 | 11°32 | 27°17 | n.a. | M27 |
| T 28 | 1 17 20 | 18°44'59 | 25°38 | 5°35 | 15°38 | 13° 5 | 17°11 | 11°22 | 22°39 | 19°36 | 17°54 | 12° 2 | 11°29 | 27°24 | n.a. | T 28 |
| W29 | 1 21 17 | 19°46'13 | 7♈59 | 7° 6 | 16°54 | 13°40 | 17°24 | 11°19 | 22°41 | 19°39 | 17°55 | 12°R 3 | 11°26 | 27°31 | n.a. | W29 |
| T 30 | 1 25 13 | 20°47'28 | 20°10 | 8°38 | 18° 9 | 14°14 | 17°38 | 11°15 | 22°43 | 19°41 | 17°56 | 12° 3 | 11°23 | 27°37 | n.a. | T 30 |
| F 31 | 1 29 10 | 21♎48'43 | 2♉13 | 10♎10 | 19♎25 | 14♌49 | 17♏51 | 11♓12 | 22♌46 | 19♎43 | 17♌58 | 12♈ 2 | 11♈20 | 27♉44 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 3n31 | 1s22 | 1s10 | 10n44 | 1n25 | 8n38 | 1n23 | 22n34 | 1n27 | 15s24 | 0n15 | 9s23 | 2s55 | 15n25 | 0n46 | 5s40 | 1n56 | 31n40 | 16n33 | 4n50 | 5n12 | 22n33 | | | n.a. |
| T 2 | 3 7 | 4n41 | 0 2 | 10 58 | 1 37 | 8 8 | 1 22 | 22 27 | 1 28 | 15 28 | 0 15 | 9 25 | 2 55 | 15 24 | 0 46 | 5 40 | 1 56 | 31 40 | 16 34 | 4 50 | 5 11 | 22 36 | | | n.a. |
| F 3 | 2 42 | 10 27 | 1n 5 | 11 7 | 1 48 | 7 38 | 1 21 | 22 21 | 1 28 | 15 31 | 0 15 | 9 27 | 2 55 | 15 23 | 0 46 | 5 41 | 1 56 | 31 39 | 16 34 | 4 50 | 5 10 | 22 38 | | | n.a. |
| S 4 | 2 18 | 15 46 | 2 8 | 11 10 | 1 57 | 7 7 | 1 20 | 22 14 | 1 29 | 15 35 | 0 14 | 9 29 | 2 55 | 15 22 | 0 46 | 5 42 | 1 56 | 31 39 | 16 34 | 4 50 | 5 8 | 22 40 | | | n.a. |
| S 5 | 1 53 | 20 26 | 3 5 | 11 8 | 2 4 | 6 36 | 1 19 | 22 7 | 1 29 | 15 39 | 0 14 | 9 31 | 2 55 | 15 21 | 0 46 | 5 43 | 1 56 | 31 39 | 16 35 | 4 51 | 5 7 | 22 43 | | | n.a. |
| M 6 | 1 29 | 24 17 | 3 54 | 11 1 | 2 10 | 6 5 | 1 18 | 21 59 | 1 30 | 15 43 | 0 14 | 9 32 | 2 55 | 15 20 | 0 46 | 5 44 | 1 56 | 31 38 | 16 35 | 4 52 | 5 6 | 22 45 | | | n.a. |
| T 7 | 1 4 | 27 6 | 4 33 | 10 49 | 2 14 | 5 34 | 1 17 | 21 52 | 1 30 | 15 46 | 0 14 | 9 34 | 2 55 | 15 18 | 0 46 | 5 45 | 1 56 | 31 38 | 16 35 | 4 52 | 5 4 | 22 47 | | | n.a. |
| W 8 | 0 39 | 28 45 | 5 0 | 10 34 | 2 17 | 5 2 | 1 16 | 21 45 | 1 31 | 15 50 | 0 14 | 9 36 | 2 55 | 15 17 | 0 46 | 5 45 | 1 56 | 31 38 | 16 36 | 4 52 | 5 3 | 22 49 | | | n.a. |
| T 9 | 0 15 | 29 3 | 5 15 | 10 15 | 2 19 | 4 31 | 1 15 | 21 37 | 1 32 | 15 54 | 0 14 | 9 38 | 2 55 | 15 16 | 0 46 | 5 46 | 1 56 | 31 37 | 16 36 | 4 52 | 5 2 | 22 52 | | | n.a. |
| F 10 | 0s10 | 27 55 | 5 15 | 9 52 | 2 20 | 3 59 | 1 14 | 21 29 | 1 32 | 15 58 | 0 14 | 9 39 | 2 55 | 15 15 | 0 46 | 5 47 | 1 56 | 31 37 | 16 36 | 4 52 | 5 1 | 22 54 | | | n.a. |
| S 11 | 0 35 | 25 22 | 5 1 | 9 27 | 2 20 | 3 27 | 1 12 | 21 21 | 1 33 | 16 2 | 0 13 | 9 41 | 2 55 | 15 14 | 0 46 | 5 48 | 1 55 | 31 37 | 16 37 | 4 52 | 4 59 | 22 56 | | | n.a. |
| S 12 | 0 59 | 21 27 | 4 31 | 8 59 | 2 19 | 2 56 | 1 11 | 21 14 | 1 34 | 16 5 | 0 13 | 9 43 | 2 54 | 15 13 | 0 46 | 5 49 | 1 55 | 31 37 | 16 37 | 4 51 | 4 58 | 22 59 | | | n.a. |
| M13 | 1 24 | 16 20 | 3 45 | 8 29 | 2 17 | 2 24 | 1 10 | 21 5 | 1 34 | 16 9 | 0 13 | 9 44 | 2 54 | 15 12 | 0 46 | 5 50 | 1 55 | 31 36 | 16 38 | 4 51 | 4 57 | 23 1 | | | n.a. |
| T 14 | 1 49 | 10 16 | 2 45 | 7 57 | 2 15 | 1 52 | 1 8 | 20 57 | 1 35 | 16 13 | 0 13 | 9 46 | 2 54 | 15 11 | 0 46 | 5 51 | 1 55 | 31 36 | 16 38 | 4 50 | 4 56 | 23 3 | | | n.a. |
| W15 | 2 14 | 3 32 | 1 34 | 7 23 | 2 12 | 1 19 | 1 7 | 20 49 | 1 35 | 16 17 | 0 13 | 9 47 | 2 54 | 15 10 | 0 46 | 5 51 | 1 55 | 31 36 | 16 39 | 4 50 | 4 54 | 23 5 | | | n.a. |
| T 16 | 2 38 | 3s32 | 0 15 | 6 48 | 2 8 | 0 47 | 1 5 | 20 41 | 1 36 | 16 21 | 0 13 | 9 49 | 2 54 | 15 9 | 0 46 | 5 52 | 1 55 | 31 36 | 16 39 | 4 50 | 4 53 | 23 8 | | | n.a. |
| F 17 | 3 3 | 10 32 | 1s 6 | 6 11 | 2 4 | 0 15 | 1 3 | 20 32 | 1 37 | 16 25 | 0 13 | 9 51 | 2 54 | 15 8 | 0 46 | 5 53 | 1 55 | 31 36 | 16 39 | 4 50 | 4 52 | 23 10 | | | n.a. |
| S 18 | 3 27 | 17 0 | 2 24 | 5 34 | 2 0 | 0s17 | 1 2 | 20 24 | 1 37 | 16 29 | 0 12 | 9 52 | 2 54 | 15 8 | 0 46 | 5 54 | 1 55 | 31 36 | 16 40 | 4 50 | 4 51 | 23 12 | | | n.a. |
| S 19 | 3 52 | 22 27 | 3 31 | 4 55 | 1 55 | 0 49 | 1 0 | 20 15 | 1 38 | 16 33 | 0 12 | 9 53 | 2 53 | 15 7 | 0 46 | 5 55 | 1 55 | 31 35 | 16 40 | 4 50 | 4 49 | 23 14 | | | n.a. |
| M20 | 4 16 | 26 28 | 4 24 | 4 15 | 1 50 | 1 21 | 0 58 | 20 6 | 1 38 | 16 36 | 0 12 | 9 55 | 2 53 | 15 6 | 0 46 | 5 56 | 1 55 | 31 35 | 16 41 | 4 50 | 4 48 | 23 17 | | | n.a. |
| T 21 | 4 41 | 28 42 | 5 0 | 3 35 | 1 44 | 1 54 | 0 57 | 19 57 | 1 39 | 16 40 | 0 12 | 9 56 | 2 53 | 15 5 | 0 47 | 5 57 | 1 55 | 31 35 | 16 41 | 4 50 | 4 47 | 23 19 | | | n.a. |
| W22 | 5 5 | 29 1 | 5 16 | 2 54 | 1 39 | 2 26 | 0 55 | 19 48 | 1 40 | 16 44 | 0 12 | 9 58 | 2 53 | 15 4 | 0 47 | 5 58 | 1 55 | 31 35 | 16 42 | 4 50 | 4 46 | 23 21 | | | n.a. |
| T 23 | 5 29 | 27 28 | 5 14 | 2 13 | 1 33 | 2 58 | 0 53 | 19 39 | 1 40 | 16 48 | 0 12 | 9 59 | 2 53 | 15 3 | 0 47 | 5 58 | 1 55 | 31 35 | 16 42 | 4 50 | 4 44 | 23 23 | | | n.a. |
| F 24 | 5 54 | 24 22 | 4 54 | 1 31 | 1 27 | 3 30 | 0 51 | 19 30 | 1 41 | 16 52 | 0 12 | 10 0 | 2 53 | 15 2 | 0 47 | 5 59 | 1 55 | 31 35 | 16 43 | 4 50 | 4 43 | 23 26 | | | n.a. |
| S 25 | 6 18 | 20 2 | 4 19 | 0 48 | 1 21 | 4 2 | 0 49 | 19 21 | 1 42 | 16 56 | 0 11 | 10 1 | 2 52 | 15 1 | 0 47 | 6 0 | 1 55 | 31 35 | 16 43 | 4 51 | 4 42 | 23 28 | | | n.a. |
| S 26 | 6 42 | 14 51 | 3 31 | 0 6 | 1 14 | 4 34 | 0 47 | 19 12 | 1 42 | 17 0 | 0 11 | 10 3 | 2 52 | 15 0 | 0 47 | 6 1 | 1 55 | 31 35 | 16 44 | 4 51 | 4 40 | 23 30 | | | n.a. |
| M27 | 7 6 | 9 8 | 2 34 | 0s37 | 1 8 | 5 5 | 0 45 | 19 2 | 1 43 | 17 4 | 0 11 | 10 4 | 2 52 | 15 0 | 0 47 | 6 2 | 1 55 | 31 35 | 16 44 | 4 51 | 4 39 | 23 32 | | | n.a. |
| T 28 | 7 29 | 3 8 | 1 30 | 1 20 | 1 1 | 5 37 | 0 43 | 18 53 | 1 43 | 17 8 | 0 11 | 10 5 | 2 52 | 14 59 | 0 47 | 6 3 | 1 55 | 31 35 | 16 45 | 4 51 | 4 38 | 23 34 | | | n.a. |
| W29 | 7 53 | 2n53 | 0 23 | 2 3 | 0 54 | 6 9 | 0 41 | 18 43 | 1 44 | 17 12 | 0 11 | 10 6 | 2 52 | 14 58 | 0 47 | 6 4 | 1 55 | 31 35 | 16 45 | 4 51 | 4 37 | 23 37 | | | n.a. |
| T 30 | 8 17 | 8 44 | 0n45 | 2 46 | 0 48 | 6 40 | 0 39 | 18 33 | 1 45 | 17 16 | 0 11 | 10 7 | 2 51 | 14 57 | 0 47 | 6 5 | 1 55 | 31 35 | 16 46 | 4 51 | 4 35 | 23 39 | | | n.a. |
| F 31 | 8s40 | 14n12 | 1n50 | 3s29 | 0n41 | 7s11 | 0n37 | 18n24 | 1n45 | 17s20 | 0n11 | 10s 8 | 2s51 | 14n56 | 0n47 | 6s 5 | 1n55 | 31n35 | 16n46 | 4n51 | 4n34 | 23n41 | | | n.a. |

Julian Day Number = 998866.5, Delta T = 12h53m36s
Ecliptic obliquity = 23°55'29, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'52, Lahiri = -31°13'52 Julian Calendar 1 Oct. 1979 BCE == Greg. Calendar 14 Sept. 1979 BCE

The year -1978 astronomical counting style corresponds to year 1979 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## NOVEMBER 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 33 6 | 22♎49'58 | 14♉ 9 | 11♎42 | 20♎41 | 15♌23 | 18♏ 4 | 11°R 9 | 22♌48 | 19♎45 | 17♌59 | 12°R 1 | 11♈16 | 27♉51 | n.a. | S 1 |
| S 2 | 1 37 3 | 23°51'14 | 26° 1 | 13°14 | 21°56 | 15°58 | 18°18 | 11♓ 6 | 22°51 | 19°48 | 18° 0 | 11♈59 | 11°13 | 27°57 | n.a. | S 2 |
| M 3 | 1 41 0 | 24°52'31 | 7♊51 | 14°47 | 23°12 | 16°32 | 18°31 | 11° 3 | 22°53 | 19°50 | 18° 1 | 11°57 | 11°10 | 28° 4 | n.a. | M 3 |
| T 4 | 1 44 56 | 25°53'49 | 19°41 | 16°20 | 24°28 | 17° 6 | 18°44 | 11° 1 | 22°55 | 19°52 | 18° 3 | 11°55 | 11° 7 | 28°11 | n.a. | T 4 |
| W 5 | 1 48 53 | 26°55'07 | 1♋36 | 17°53 | 25°43 | 17°40 | 18°58 | 10°58 | 22°57 | 19°54 | 18° 4 | 11°53 | 11° 4 | 28°17 | n.a. | W 5 |
| T 6 | 1 52 49 | 27°56'26 | 13°39 | 19°26 | 26°59 | 18°15 | 19°12 | 10°55 | 22°59 | 19°57 | 18° 5 | 11°52 | 11° 1 | 28°24 | n.a. | T 6 |
| F 7 | 1 56 46 | 28°57'45 | 25°54 | 20°59 | 28°14 | 18°49 | 19°25 | 10°53 | 23° 2 | 19°59 | 18° 6 | 11°D51 | 10°57 | 28°31 | n.a. | F 7 |
| S 8 | 2 0 42 | 29°59'05 | 8♌27 | 22°32 | 29°30 | 19°23 | 19°39 | 10°51 | 23° 4 | 20° 1 | 18° 7 | 11°51 | 10°54 | 28°38 | n.a. | S 8 |
| S 9 | 2 4 39 | 1♏ 0'25 | 21°20 | 24° 6 | 0♏46 | 19°57 | 19°52 | 10°48 | 23° 6 | 20° 3 | 18° 8 | 11°52 | 10°51 | 28°44 | n.a. | S 9 |
| M10 | 2 8 36 | 2° 1'46 | 4♍38 | 25°40 | 2° 1 | 20°30 | 20° 6 | 10°46 | 23° 7 | 20° 6 | 18° 9 | 11°54 | 10°48 | 28°51 | n.a. | M10 |
| T 11 | 2 12 32 | 3° 3'07 | 18°23 | 27°14 | 3°17 | 21° 4 | 20°20 | 10°44 | 23° 9 | 20° 8 | 18°10 | 11°55 | 10°45 | 28°58 | n.a. | T 11 |
| W12 | 2 16 29 | 4° 4'28 | 2♎35 | 28°48 | 4°32 | 21°38 | 20°34 | 10°42 | 23°11 | 20°10 | 18°11 | 11°56 | 10°42 | 29° 4 | n.a. | W12 |
| T 13 | 2 20 25 | 5° 5'50 | 17°12 | 0♏22 | 5°48 | 22°11 | 20°47 | 10°40 | 23°13 | 20°12 | 18°12 | 11°R56 | 10°38 | 29°11 | n.a. | T 13 |
| F 14 | 2 24 22 | 6° 7'11 | 2♏10 | 1°57 | 7° 3 | 22°45 | 21° 1 | 10°39 | 23°15 | 20°14 | 18°13 | 11°55 | 10°35 | 29°18 | n.a. | F 14 |
| S 15 | 2 28 18 | 7° 8'33 | 17°18 | 3°32 | 8°19 | 23°18 | 21°15 | 10°37 | 23°16 | 20°17 | 18°14 | 11°53 | 10°32 | 29°24 | n.a. | S 15 |
| S 16 | 2 32 15 | 8° 9'55 | 2♐29 | 5° 7 | 9°34 | 23°52 | 21°29 | 10°36 | 23°18 | 20°19 | 18°14 | 11°49 | 10°29 | 29°31 | n.a. | S 16 |
| M17 | 2 36 11 | 9°11'16 | 17°32 | 6°43 | 10°50 | 24°25 | 21°43 | 10°34 | 23°20 | 20°21 | 18°15 | 11°45 | 10°26 | 29°38 | n.a. | M17 |
| T 18 | 2 40 8 | 10°12'37 | 2♑19 | 8°19 | 12° 5 | 24°58 | 21°57 | 10°33 | 23°21 | 20°23 | 18°16 | 11°41 | 10°22 | 29°44 | n.a. | T 18 |
| W19 | 2 44 5 | 11°13'58 | 16°43 | 9°55 | 13°21 | 25°31 | 22°11 | 10°32 | 23°23 | 20°25 | 18°17 | 11°38 | 10°19 | 29°51 | n.a. | W19 |
| T 20 | 2 48 1 | 12°15'18 | 0♒41 | 11°32 | 14°36 | 26° 4 | 22°25 | 10°31 | 23°24 | 20°28 | 18°17 | 11°36 | 10°16 | 29°58 | n.a. | T 20 |
| F 21 | 2 51 58 | 13°16'38 | 14°14 | 13° 9 | 15°52 | 26°37 | 22°39 | 10°30 | 23°26 | 20°30 | 18°18 | 11°D36 | 10°13 | 0♊ 5 | n.a. | F 21 |
| S 22 | 2 55 54 | 14°17'57 | 27°23 | 14°46 | 17° 7 | 27°10 | 22°53 | 10°29 | 23°27 | 20°32 | 18°18 | 11°36 | 10°10 | 0°11 | n.a. | S 22 |
| S 23 | 2 59 51 | 15°19'15 | 10♓10 | 16°24 | 18°23 | 27°42 | 23° 7 | 10°28 | 23°28 | 20°34 | 18°19 | 11°38 | 10° 7 | 0°18 | n.a. | S 23 |
| M24 | 3 3 47 | 16°20'32 | 22°40 | 18° 2 | 19°38 | 28°15 | 23°21 | 10°28 | 23°29 | 20°36 | 18°19 | 11°40 | 10° 3 | 0°25 | n.a. | M24 |
| T 25 | 3 7 44 | 17°21'49 | 4♈57 | 19°41 | 20°53 | 28°48 | 23°35 | 10°27 | 23°30 | 20°38 | 18°20 | 11°41 | 10° 0 | 0°31 | n.a. | T 25 |
| W26 | 3 11 41 | 18°23'05 | 17° 3 | 21°20 | 22° 9 | 29°20 | 23°49 | 10°27 | 23°32 | 20°40 | 18°20 | 11°R41 | 9°57 | 0°38 | n.a. | W26 |
| T 27 | 3 15 37 | 19°24'20 | 29° 3 | 22°59 | 23°24 | 29°52 | 24° 3 | 10°26 | 23°33 | 20°42 | 18°21 | 11°39 | 9°54 | 0°45 | n.a. | T 27 |
| F 28 | 3 19 34 | 20°25'35 | 10♉57 | 24°39 | 24°39 | 0♍24 | 24°17 | 10°26 | 23°34 | 20°44 | 18°21 | 11°36 | 9°51 | 0°51 | n.a. | F 28 |
| S 29 | 3 23 30 | 21°26'49 | 22°49 | 26°19 | 25°55 | 0°56 | 24°31 | 10°D26 | 23°35 | 20°46 | 18°21 | 11°30 | 9°48 | 0°58 | n.a. | S 29 |
| S 30 | 3 27 27 | 22♏28'03 | 4♊40 | 28♏ 0 | 27♏10 | 1♍28 | 24♏45 | 10♓26 | 23♌35 | 20♎48 | 18♌22 | 11♈23 | 9♈44 | 1♊ 5 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s 3 | 19n 5 | 2n49 | 4s12 | 0n34 | 7s42 | 0n34 | 18n14 | 1n46 | 17s23 | 0n11 | 10s 9 | 2s51 | 14n56 | 0n47 | 6s 6 | 1n55 | 31n35 | 16n47 | 4n51 | 4n33 | 23n43 | | n.a. |
| S 2 | 9 26 | 23 13 | 3 40 | 4 54 | 0 28 | 8 13 | 0 32 | 18 4 | 1 47 | 17 27 | 0 10 | 10 10 | 2 51 | 14 55 | 0 47 | 6 7 | 1 55 | 31 35 | 16 47 | 4 50 | 4 32 | 23 45 | | n.a. |
| M 3 | 9 49 | 26 22 | 4 22 | 5 37 | 0 21 | 8 44 | 0 30 | 17 54 | 1 47 | 17 31 | 0 10 | 10 11 | 2 50 | 14 54 | 0 47 | 6 8 | 1 55 | 31 35 | 16 48 | 4 49 | 4 30 | 23 47 | | n.a. |
| T 4 | 10 12 | 28 23 | 4 53 | 6 20 | 0 14 | 9 14 | 0 28 | 17 44 | 1 48 | 17 35 | 0 10 | 10 12 | 2 50 | 14 54 | 0 47 | 6 9 | 1 55 | 31 35 | 16 48 | 4 48 | 4 29 | 23 50 | | n.a. |
| W 5 | 10 35 | 29 6 | 5 11 | 7 2 | 0 7 | 9 44 | 0 26 | 17 34 | 1 49 | 17 39 | 0 10 | 10 13 | 2 50 | 14 53 | 0 47 | 6 10 | 1 55 | 31 35 | 16 49 | 4 47 | 4 28 | 23 52 | | n.a. |
| T 6 | 10 57 | 28 26 | 5 16 | 7 44 | 0 1 | 10 14 | 0 23 | 17 24 | 1 49 | 17 43 | 0 10 | 10 13 | 2 50 | 14 52 | 0 47 | 6 11 | 1 55 | 31 36 | 16 49 | 4 47 | 4 27 | 23 54 | | n.a. |
| F 7 | 11 19 | 26 24 | 5 7 | 8 26 | 0s 6 | 10 44 | 0 21 | 17 14 | 1 50 | 17 47 | 0 10 | 10 14 | 2 49 | 14 51 | 0 47 | 6 12 | 1 55 | 31 36 | 16 50 | 4 47 | 4 25 | 23 56 | | n.a. |
| S 8 | 11 42 | 23 3 | 4 43 | 9 8 | 0 12 | 11 14 | 0 19 | 17 3 | 1 51 | 17 51 | 0 10 | 10 15 | 2 49 | 14 51 | 0 47 | 6 12 | 1 55 | 31 36 | 16 50 | 4 47 | 4 24 | 23 58 | | n.a. |
| S 9 | 12 3 | 18 31 | 4 4 | 9 49 | 0 19 | 11 43 | 0 16 | 16 53 | 1 51 | 17 55 | 0 10 | 10 15 | 2 49 | 14 50 | 0 47 | 6 13 | 1 55 | 31 36 | 16 51 | 4 47 | 4 23 | 24 0 | | n.a. |
| M10 | 12 25 | 12 58 | 3 12 | 10 30 | 0 25 | 12 12 | 0 14 | 16 43 | 1 52 | 17 59 | 0 9 | 10 16 | 2 49 | 14 50 | 0 47 | 6 14 | 1 55 | 31 36 | 16 52 | 4 48 | 4 21 | 24 2 | | n.a. |
| T 11 | 12 47 | 6 37 | 2 6 | 11 11 | 0 32 | 12 40 | 0 12 | 16 32 | 1 53 | 18 2 | 0 9 | 10 17 | 2 48 | 14 49 | 0 47 | 6 15 | 1 55 | 31 36 | 16 52 | 4 48 | 4 20 | 24 4 | | n.a. |
| W12 | 13 8 | 0s16 | 0 51 | 11 51 | 0 38 | 13 9 | 0 9 | 16 22 | 1 53 | 18 6 | 0 9 | 10 17 | 2 48 | 14 48 | 0 47 | 6 16 | 1 55 | 31 37 | 16 53 | 4 49 | 4 19 | 24 7 | | n.a. |
| T 13 | 13 29 | 7 20 | 0s29 | 12 31 | 0 44 | 13 37 | 0 7 | 16 11 | 1 54 | 18 10 | 0 9 | 10 18 | 2 48 | 14 48 | 0 47 | 6 17 | 1 55 | 31 37 | 16 53 | 4 49 | 4 18 | 24 9 | | n.a. |
| F 14 | 13 50 | 14 10 | 1 49 | 13 10 | 0 50 | 14 4 | 0 5 | 16 1 | 1 55 | 18 14 | 0 9 | 10 18 | 2 48 | 14 47 | 0 47 | 6 17 | 1 55 | 31 37 | 16 54 | 4 48 | 4 16 | 24 11 | | n.a. |
| S 15 | 14 10 | 20 15 | 3 2 | 13 49 | 0 56 | 14 31 | 0 2 | 15 50 | 1 55 | 18 18 | 0 9 | 10 18 | 2 47 | 14 47 | 0 47 | 6 18 | 1 55 | 31 37 | 16 54 | 4 47 | 4 15 | 24 13 | | n.a. |
| S 16 | 14 31 | 25 3 | 4 3 | 14 27 | 1 1 | 14 58 | 0 0 | 15 39 | 1 56 | 18 22 | 0 9 | 10 19 | 2 47 | 14 46 | 0 48 | 6 19 | 1 55 | 31 38 | 16 55 | 4 46 | 4 14 | 24 15 | | n.a. |
| M17 | 14 51 | 28 4 | 4 46 | 15 5 | 1 7 | 15 25 | 0s 2 | 15 29 | 1 57 | 18 25 | 0 9 | 10 19 | 2 47 | 14 46 | 0 48 | 6 20 | 1 55 | 31 38 | 16 56 | 4 44 | 4 13 | 24 17 | | n.a. |
| T 18 | 15 11 | 29 3 | 5 9 | 15 42 | 1 12 | 15 51 | 0 5 | 15 18 | 1 57 | 18 29 | 0 8 | 10 19 | 2 47 | 14 45 | 0 48 | 6 21 | 1 55 | 31 38 | 16 56 | 4 43 | 4 11 | 24 19 | | n.a. |
| W19 | 15 30 | 28 1 | 5 12 | 16 18 | 1 17 | 16 16 | 0 7 | 15 7 | 1 58 | 18 33 | 0 8 | 10 19 | 2 46 | 14 45 | 0 48 | 6 22 | 1 55 | 31 39 | 16 57 | 4 42 | 4 10 | 24 21 | | n.a. |
| T 20 | 15 49 | 25 13 | 4 56 | 16 54 | 1 22 | 16 42 | 0 9 | 14 56 | 1 59 | 18 37 | 0 8 | 10 20 | 2 46 | 14 44 | 0 48 | 6 22 | 1 55 | 31 39 | 16 57 | 4 41 | 4 9 | 24 23 | | n.a. |
| F 21 | 16 8 | 21 5 | 4 24 | 17 29 | 1 27 | 17 6 | 0 12 | 14 45 | 1 59 | 18 40 | 0 8 | 10 20 | 2 46 | 14 44 | 0 48 | 6 23 | 1 55 | 31 39 | 16 58 | 4 41 | 4 7 | 24 25 | | n.a. |
| S 22 | 16 27 | 16 2 | 3 39 | 18 3 | 1 31 | 17 31 | 0 14 | 14 35 | 2 0 | 18 44 | 0 8 | 10 20 | 2 45 | 14 44 | 0 48 | 6 24 | 1 55 | 31 40 | 16 59 | 4 41 | 4 6 | 24 27 | | n.a. |
| S 23 | 16 46 | 10 25 | 2 44 | 18 36 | 1 36 | 17 55 | 0 16 | 14 24 | 2 1 | 18 48 | 0 8 | 10 20 | 2 45 | 14 43 | 0 48 | 6 25 | 1 55 | 31 40 | 16 59 | 4 41 | 4 5 | 24 29 | | n.a. |
| M24 | 17 4 | 4 31 | 1 42 | 19 8 | 1 40 | 18 18 | 0 19 | 14 13 | 2 1 | 18 52 | 0 8 | 10 20 | 2 45 | 14 43 | 0 48 | 6 26 | 1 55 | 31 40 | 17 0 | 4 42 | 4 4 | 24 31 | | n.a. |
| T 25 | 17 21 | 1n27 | 0 37 | 19 40 | 1 43 | 18 41 | 0 21 | 14 2 | 2 2 | 18 55 | 0 8 | 10 20 | 2 45 | 14 42 | 0 48 | 6 26 | 1 56 | 31 41 | 17 0 | 4 43 | 4 2 | 24 33 | | n.a. |
| W26 | 17 39 | 7 17 | 0n29 | 20 10 | 1 47 | 19 3 | 0 23 | 13 51 | 2 3 | 18 59 | 0 8 | 10 20 | 2 44 | 14 42 | 0 48 | 6 27 | 1 56 | 31 41 | 17 1 | 4 43 | 4 1 | 24 35 | | n.a. |
| T 27 | 17 56 | 12 48 | 1 33 | 20 40 | 1 50 | 19 25 | 0 26 | 13 40 | 2 3 | 19 3 | 0 7 | 10 19 | 2 44 | 14 42 | 0 48 | 6 28 | 1 56 | 31 42 | 17 2 | 4 42 | 4 0 | 24 37 | | n.a. |
| F 28 | 18 13 | 17 49 | 2 32 | 21 8 | 1 53 | 19 46 | 0 28 | 13 29 | 2 4 | 19 6 | 0 7 | 10 19 | 2 44 | 14 42 | 0 48 | 6 29 | 1 56 | 31 42 | 17 2 | 4 41 | 3 59 | 24 39 | | n.a. |
| S 29 | 18 29 | 22 8 | 3 25 | 21 35 | 1 55 | 20 7 | 0 30 | 13 18 | 2 5 | 19 10 | 0 7 | 10 19 | 2 43 | 14 41 | 0 48 | 6 29 | 1 56 | 31 42 | 17 3 | 4 38 | 3 57 | 24 41 | | n.a. |
| S 30 | 18s46 | 25n33 | 4n 8 | 22s 1 | 1s58 | 20s27 | 0s32 | 13n 7 | 2n 6 | 19s14 | 0n 7 | 10s19 | 2s43 | 14n41 | 0n48 | 6s30 | 1n56 | 31n43 | 17n 3 | 4n35 | 3n56 | 24n43 | | n.a. |

Julian Day Number = 998897.5, Delta T = 12h53m34s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'48, Lahiri = -31°13'47 Julian Calendar 1 Nov. 1979 BCE == Greg. Calendar 15 Oct. 1979 BCE


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# ASTRODIENST EPHEMERIS for the year 1979 BCE
# geocentric

## DECEMBER 1979 BCE (-1978) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 31 23 | 23♏29'15 | 16♊31 | 29♏41 | 28♏25 | 2♍ 0 | 24♏59 | 10♓27 | 23♑36 | 20♎50 | 18♑22 | 11°R14 | 9♈41 | 1♊11 | n.a. | M 1 |
| T 2 | 3 35 20 | 24°30'28 | 28°25 | 1♐22 | 29°41 | 2°32 | 25°13 | 10°27 | 23°37 | 20°52 | 18°22 | 11♈ 6 | 9°38 | 1°18 | n.a. | T 2 |
| W 3 | 3 39 17 | 25°31'40 | 10♋23 | 3° 4 | 0♐56 | 3° 3 | 25°27 | 10°27 | 23°38 | 20°54 | 18°22 | 10°58 | 9°35 | 1°25 | n.a. | W 3 |
| T 4 | 3 43 13 | 26°32'51 | 22°28 | 4°46 | 2°11 | 3°35 | 25°41 | 10°28 | 23°38 | 20°56 | 18°23 | 10°51 | 9°32 | 1°32 | n.a. | T 4 |
| F 5 | 3 47 10 | 27°34'01 | 4♑44 | 6°28 | 3°26 | 4° 6 | 25°56 | 10°29 | 23°39 | 20°58 | 18°23 | 10°46 | 9°28 | 1°38 | n.a. | F 5 |
| S 6 | 3 51 6 | 28°35'11 | 17°12 | 8°10 | 4°42 | 4°38 | 26°10 | 10°29 | 23°40 | 21° 0 | 18°23 | 10°43 | 9°25 | 1°45 | n.a. | S 6 |
| S 7 | 3 55 3 | 29°36'20 | 29°59 | 9°53 | 5°57 | 5° 9 | 26°24 | 10°30 | 23°40 | 21° 2 | 18°23 | 10°D42 | 9°22 | 1°52 | n.a. | S 7 |
| M 8 | 3 58 59 | 0♐37'28 | 13♍ 7 | 11°35 | 7°12 | 5°40 | 26°38 | 10°31 | 23°41 | 21° 4 | 18°R23 | 10°43 | 9°19 | 1°58 | n.a. | M 8 |
| T 9 | 4 2 56 | 1°38'36 | 26°40 | 13°17 | 8°27 | 6°10 | 26°52 | 10°32 | 23°41 | 21° 6 | 18°23 | 10°44 | 9°16 | 2° 5 | n.a. | T 9 |
| W10 | 4 6 52 | 2°39'43 | 10♎41 | 14°59 | 9°42 | 6°41 | 27° 6 | 10°34 | 23°41 | 21° 7 | 18°23 | 10°R45 | 9°13 | 2°12 | n.a. | W10 |
| T 11 | 4 10 49 | 3°40'49 | 25° 9 | 16°40 | 10°58 | 7°12 | 27°20 | 10°35 | 23°42 | 21° 9 | 18°23 | 10°44 | 9° 9 | 2°18 | n.a. | T 11 |
| F 12 | 4 14 46 | 4°41'54 | 10♏ 2 | 18°21 | 12°13 | 7°42 | 27°34 | 10°36 | 23°42 | 21°11 | 18°22 | 10°41 | 9° 6 | 2°25 | n.a. | F 12 |
| S 13 | 4 18 42 | 5°42'59 | 25°13 | 20° 1 | 13°28 | 8°12 | 27°48 | 10°38 | 23°42 | 21°13 | 18°22 | 10°35 | 9° 3 | 2°32 | n.a. | S 13 |
| S 14 | 4 22 39 | 6°44'02 | 10♐32 | 21°39 | 14°43 | 8°43 | 28° 2 | 10°40 | 23°42 | 21°15 | 18°22 | 10°27 | 9° 0 | 2°38 | n.a. | S 14 |
| M15 | 4 26 35 | 7°45'04 | 25°49 | 23°16 | 15°58 | 9°12 | 28°16 | 10°41 | 23°R42 | 21°16 | 18°22 | 10°18 | 8°57 | 2°45 | n.a. | M15 |
| T 16 | 4 30 32 | 8°46'05 | 10♑52 | 24°50 | 17°13 | 9°42 | 28°30 | 10°43 | 23°42 | 21°18 | 18°22 | 10° 9 | 8°54 | 2°52 | n.a. | T 16 |
| W17 | 4 34 28 | 9°47'04 | 25°33 | 26°23 | 18°28 | 10°12 | 28°44 | 10°45 | 23°42 | 21°20 | 18°21 | 10° 0 | 8°50 | 2°59 | n.a. | W17 |
| T 18 | 4 38 25 | 10°48'02 | 9♒45 | 27°52 | 19°43 | 10°41 | 28°58 | 10°48 | 23°42 | 21°21 | 18°21 | 9°54 | 8°47 | 3° 5 | n.a. | T 18 |
| F 19 | 4 42 22 | 11°48'58 | 23°28 | 29°17 | 20°59 | 11°11 | 29°12 | 10°50 | 23°42 | 21°23 | 18°21 | 9°50 | 8°44 | 3°12 | n.a. | F 19 |
| S 20 | 4 46 18 | 12°49'52 | 6♓41 | 0♑38 | 22°14 | 11°40 | 29°26 | 10°52 | 23°41 | 21°24 | 18°20 | 9°49 | 8°41 | 3°19 | n.a. | S 20 |
| S 21 | 4 50 15 | 13°50'44 | 19°28 | 1°54 | 23°29 | 12° 9 | 29°40 | 10°55 | 23°41 | 21°26 | 18°20 | 9°D49 | 8°38 | 3°25 | n.a. | S 21 |
| M22 | 4 54 11 | 14°51'35 | 1♈55 | 3° 5 | 24°44 | 12°37 | 29°54 | 10°57 | 23°41 | 21°28 | 18°19 | 9°49 | 8°34 | 3°32 | n.a. | M22 |
| T 23 | 4 58 8 | 15°52'24 | 14° 6 | 4° 9 | 25°59 | 13° 6 | 0♐ 8 | 11° 0 | 23°40 | 21°29 | 18°19 | 9°R49 | 8°31 | 3°39 | n.a. | T 23 |
| W24 | 5 2 4 | 16°53'12 | 26° 5 | 5° 6 | 27°13 | 13°34 | 0°21 | 11° 3 | 23°40 | 21°31 | 18°18 | 9°48 | 8°28 | 3°45 | n.a. | W24 |
| T 25 | 5 6 1 | 17°53'57 | 7♉58 | 5°54 | 28°28 | 14° 3 | 0°35 | 11° 6 | 23°39 | 21°32 | 18°18 | 9°44 | 8°25 | 3°52 | n.a. | T 25 |
| F 26 | 5 9 57 | 18°54'41 | 19°47 | 6°34 | 29°43 | 14°31 | 0°49 | 11° 9 | 23°39 | 21°33 | 18°17 | 9°37 | 8°22 | 3°59 | n.a. | F 26 |
| S 27 | 5 13 54 | 19°55'23 | 1♊37 | 7° 5 | 0♑58 | 14°58 | 1° 3 | 11°12 | 23°38 | 21°35 | 18°16 | 9°28 | 8°19 | 4° 6 | n.a. | S 27 |
| S 28 | 5 17 51 | 20°56'04 | 13°29 | 7°26 | 2°13 | 15°26 | 1°16 | 11°15 | 23°37 | 21°36 | 18°16 | 9°16 | 8°15 | 4°12 | n.a. | S 28 |
| M29 | 5 21 47 | 21°56'43 | 25°24 | 7°R36 | 3°28 | 15°53 | 1°30 | 11°18 | 23°37 | 21°38 | 18°15 | 9° 2 | 8°12 | 4°19 | n.a. | M29 |
| T 30 | 5 25 44 | 22°57'20 | 7♋25 | 7°36 | 4°43 | 16°21 | 1°44 | 11°22 | 23°36 | 21°39 | 18°14 | 8°48 | 8° 9 | 4°26 | n.a. | T 30 |
| W31 | 5 29 40 | 23♐57'55 | 19♋31 | 7♑25 | 5♑58 | 16♍48 | 1♐57 | 11♓25 | 23♑35 | 21♎40 | 18♑13 | 8♈35 | 8♈ 6 | 4♊32 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 19s 1 | 27n52 | 4n40 | 22s26 | 1s59 | 20s46 | 0s35 | 12n56 | 2n 6 | 19s17 | 0n 7 | 10s18 | 2s43 | 14n41 | 0n48 | 6s31 | 1n56 | 31n43 | 17n 4 | 4n32 | 3n55 | 24n45 | | n.a. |
| T 2 | 19 17 | 28 55 | 5 1 | 22 49 | 2 1 | 21 5 | 0 37 | 12 45 | 2 7 | 19 21 | 0 7 | 10 18 | 2 42 | 14 41 | 0 48 | 6 32 | 1 56 | 31 44 | 17 4 | 4 29 | 3 53 | 24 47 | | n.a. |
| W 3 | 19 32 | 28 37 | 5 8 | 23 11 | 2 2 | 21 24 | 0 39 | 12 34 | 2 8 | 19 24 | 0 7 | 10 17 | 2 42 | 14 40 | 0 48 | 6 32 | 1 56 | 31 44 | 17 5 | 4 25 | 3 52 | 24 49 | | n.a. |
| T 4 | 19 47 | 26 58 | 5 2 | 23 31 | 2 2 | 21 41 | 0 41 | 12 23 | 2 8 | 19 28 | 0 7 | 10 17 | 2 42 | 14 40 | 0 48 | 6 33 | 1 56 | 31 45 | 17 6 | 4 23 | 3 51 | 24 51 | | n.a. |
| F 5 | 20 1 | 24 1 | 4 42 | 23 50 | 2 2 | 21 58 | 0 43 | 12 12 | 2 9 | 19 31 | 0 7 | 10 16 | 2 42 | 14 40 | 0 48 | 6 34 | 1 56 | 31 45 | 17 6 | 4 21 | 3 50 | 24 53 | | n.a. |
| S 6 | 20 15 | 19 55 | 4 8 | 24 7 | 2 1 | 22 15 | 0 45 | 12 1 | 2 10 | 19 35 | 0 6 | 10 16 | 2 41 | 14 40 | 0 48 | 6 34 | 1 56 | 31 46 | 17 7 | 4 19 | 3 48 | 24 55 | | n.a. |
| S 7 | 20 28 | 14 50 | 3 21 | 24 22 | 2 0 | 22 30 | 0 47 | 11 50 | 2 11 | 19 38 | 0 6 | 10 15 | 2 41 | 14 40 | 0 48 | 6 35 | 1 56 | 31 46 | 17 7 | 4 19 | 3 47 | 24 57 | | n.a. |
| M 8 | 20 42 | 8 57 | 2 23 | 24 35 | 1 59 | 22 46 | 0 49 | 11 39 | 2 11 | 19 42 | 0 6 | 10 14 | 2 41 | 14 40 | 0 49 | 6 36 | 1 56 | 31 47 | 17 8 | 4 19 | 3 46 | 24 59 | | n.a. |
| T 9 | 20 54 | 2 29 | 1 15 | 24 47 | 1 56 | 23 0 | 0 51 | 11 28 | 2 12 | 19 45 | 0 6 | 10 14 | 2 40 | 14 40 | 0 49 | 6 36 | 1 56 | 31 48 | 17 9 | 4 20 | 3 45 | 25 1 | | n.a. |
| W10 | 21 7 | 4s18 | 0 0 | 24 56 | 1 54 | 23 14 | 0 53 | 11 17 | 2 13 | 19 49 | 0 6 | 10 13 | 2 40 | 14 39 | 0 49 | 6 37 | 1 56 | 31 48 | 17 9 | 4 20 | 3 43 | 25 3 | | n.a. |
| T 11 | 21 19 | 11 7 | 1s17 | 25 4 | 1 50 | 23 27 | 0 55 | 11 6 | 2 13 | 19 52 | 0 6 | 10 12 | 2 40 | 14 39 | 0 49 | 6 38 | 1 56 | 31 49 | 17 10 | 4 20 | 3 42 | 25 5 | | n.a. |
| F 12 | 21 30 | 17 29 | 2 30 | 25 9 | 1 46 | 23 39 | 0 57 | 10 55 | 2 14 | 19 55 | 0 6 | 10 11 | 2 39 | 14 39 | 0 49 | 6 38 | 1 56 | 31 49 | 17 10 | 4 18 | 3 41 | 25 7 | | n.a. |
| S 13 | 21 42 | 22 55 | 3 35 | 25 13 | 1 41 | 23 51 | 0 59 | 10 44 | 2 15 | 19 59 | 0 6 | 10 10 | 2 39 | 14 39 | 0 49 | 6 39 | 1 56 | 31 50 | 17 11 | 4 16 | 3 39 | 25 8 | | n.a. |
| S 14 | 21 52 | 26 50 | 4 25 | 25 14 | 1 35 | 24 2 | 1 0 | 10 33 | 2 16 | 20 2 | 0 6 | 10 10 | 2 39 | 14 39 | 0 49 | 6 40 | 1 56 | 31 50 | 17 12 | 4 13 | 3 38 | 25 10 | | n.a. |
| M15 | 22 3 | 28 46 | 4 55 | 25 13 | 1 28 | 24 12 | 1 2 | 10 22 | 2 16 | 20 5 | 0 5 | 10 9 | 2 39 | 14 39 | 0 49 | 6 40 | 1 56 | 31 51 | 17 12 | 4 9 | 3 37 | 25 12 | | n.a. |
| T 16 | 22 13 | 28 32 | 5 5 | 25 9 | 1 20 | 24 21 | 1 4 | 10 12 | 2 17 | 20 9 | 0 5 | 10 8 | 2 38 | 14 39 | 0 49 | 6 41 | 1 56 | 31 52 | 17 13 | 4 6 | 3 36 | 25 14 | | n.a. |
| W17 | 22 22 | 26 16 | 4 54 | 25 4 | 1 12 | 24 30 | 1 5 | 10 1 | 2 18 | 20 12 | 0 5 | 10 6 | 2 38 | 14 40 | 0 49 | 6 41 | 1 56 | 31 52 | 17 13 | 4 2 | 3 34 | 25 16 | | n.a. |
| T 18 | 22 31 | 22 24 | 4 25 | 24 57 | 1 2 | 24 38 | 1 7 | 9 50 | 2 19 | 20 15 | 0 5 | 10 5 | 2 38 | 14 40 | 0 49 | 6 42 | 1 56 | 31 53 | 17 14 | 4 0 | 3 33 | 25 18 | | n.a. |
| F 19 | 22 40 | 17 26 | 3 41 | 24 47 | 0 52 | 24 45 | 1 9 | 9 39 | 2 19 | 20 18 | 0 5 | 10 4 | 2 37 | 14 40 | 0 49 | 6 43 | 1 56 | 31 54 | 17 14 | 3 58 | 3 32 | 25 20 | | n.a. |
| S 20 | 22 48 | 11 49 | 2 47 | 24 36 | 0 40 | 24 51 | 1 10 | 9 29 | 2 20 | 20 22 | 0 5 | 10 3 | 2 37 | 14 40 | 0 49 | 6 43 | 1 56 | 31 54 | 17 15 | 3 58 | 3 31 | 25 22 | | n.a. |
| S 21 | 22 55 | 5 52 | 1 46 | 24 23 | 0 28 | 24 57 | 1 12 | 9 18 | 2 21 | 20 25 | 0 5 | 10 2 | 2 37 | 14 40 | 0 49 | 6 44 | 1 56 | 31 55 | 17 16 | 3 58 | 3 29 | 25 23 | | n.a. |
| M22 | 23 3 | 0n 8 | 0 42 | 24 8 | 0 15 | 25 2 | 1 13 | 9 8 | 2 22 | 20 28 | 0 5 | 10 1 | 2 37 | 14 40 | 0 49 | 6 44 | 1 56 | 31 56 | 17 16 | 3 58 | 3 28 | 25 25 | | n.a. |
| T 23 | 23 9 | 6 1 | 0n23 | 23 52 | 0 1 | 25 6 | 1 14 | 8 57 | 2 22 | 20 31 | 0 4 | 9 59 | 2 36 | 14 40 | 0 49 | 6 45 | 1 57 | 31 56 | 17 17 | 3 58 | 3 27 | 25 27 | | n.a. |
| W24 | 23 16 | 11 36 | 1 25 | 23 35 | 0n15 | 25 9 | 1 16 | 8 47 | 2 23 | 20 34 | 0 4 | 9 58 | 2 36 | 14 41 | 0 49 | 6 45 | 1 57 | 31 57 | 17 17 | 3 57 | 3 25 | 25 29 | | n.a. |
| T 25 | 23 22 | 16 42 | 2 24 | 23 17 | 0 30 | 25 12 | 1 17 | 8 36 | 2 24 | 20 37 | 0 4 | 9 57 | 2 36 | 14 41 | 0 49 | 6 46 | 1 57 | 31 58 | 17 18 | 3 56 | 3 24 | 25 31 | | n.a. |
| F 26 | 23 27 | 21 10 | 3 15 | 22 58 | 0 47 | 25 13 | 1 18 | 8 26 | 2 25 | 20 40 | 0 4 | 9 55 | 2 35 | 14 41 | 0 49 | 6 46 | 1 57 | 31 58 | 17 18 | 3 53 | 3 23 | 25 33 | | n.a. |
| S 27 | 23 32 | 24 47 | 3 58 | 22 40 | 1 4 | 25 14 | 1 19 | 8 16 | 2 25 | 20 43 | 0 4 | 9 54 | 2 35 | 14 41 | 0 49 | 6 47 | 1 57 | 31 59 | 17 19 | 3 49 | 3 22 | 25 34 | | n.a. |
| S 28 | 23 36 | 27 22 | 4 31 | 22 21 | 1 22 | 25 15 | 1 20 | 8 5 | 2 26 | 20 46 | 0 4 | 9 52 | 2 35 | 14 42 | 0 49 | 6 47 | 1 57 | 32 0 | 17 19 | 3 45 | 3 20 | 25 36 | | n.a. |
| M29 | 23 40 | 28 42 | 4 52 | 22 3 | 1 39 | 25 14 | 1 21 | 7 55 | 2 27 | 20 49 | 0 4 | 9 51 | 2 35 | 14 42 | 0 49 | 6 48 | 1 57 | 32 1 | 17 20 | 3 39 | 3 19 | 25 38 | | n.a. |
| T 30 | 23 44 | 28 42 | 5 0 | 21 45 | 1 57 | 25 12 | 1 22 | 7 45 | 2 28 | 20 52 | 0 4 | 9 49 | 2 34 | 14 42 | 0 50 | 6 48 | 1 57 | 32 1 | 17 20 | 3 34 | 3 18 | 25 40 | | n.a. |
| W31 | 23s47 | 27n20 | 4n55 | 21s28 | 2n14 | 25s10 | 1s23 | 7n35 | 2n28 | 20s55 | 0n 4 | 9s47 | 2s34 | 14n42 | 0n50 | 6s49 | 1n57 | 32n 2 | 17n21 | 3n28 | 3n16 | 25n41 | | n.a. |

Julian Day Number = 998927.5, Delta T = 12h53m32s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'44, Lahiri = -31°13'43 Julian Calendar 1 Dec. 1979 BCE == Greg. Calendar 14 Nov. 1979 BCE

The year -1978 astronomical counting style corresponds to year 1979 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## JANUARY 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 33 37 | 24♐58'29 | 1♌45 | 7°R 3 | 7♑12 | 17♍14 | 2♐11 | 11♓29 | 23°R34 | 21♎42 | 18°R13 | 8°R23 | 8♈ 3 | 4♊39 | n.a. | T 1 |
| F 2 | 5 37 33 | 25°59'02 | 14° 8 | 6♑32 | 8°27 | 17°41 | 2°25 | 11°32 | 23♌33 | 21°43 | 18♌12 | 8♈14 | 8° 0 | 4°46 | n.a. | F 2 |
| S 3 | 5 41 30 | 26°59'32 | 26°42 | 5°52 | 9°42 | 18° 7 | 2°38 | 11°36 | 23°32 | 21°44 | 18°11 | 8° 8 | 7°56 | 4°53 | n.a. | S 3 |
| S 4 | 5 45 27 | 28° 0'01 | 9♍30 | 5° 3 | 10°57 | 18°33 | 2°51 | 11°40 | 23°31 | 21°45 | 18°10 | 8° 5 | 7°53 | 4°59 | n.a. | S 4 |
| M 5 | 5 49 23 | 29° 0'29 | 22°35 | 4° 8 | 12°11 | 18°59 | 3° 5 | 11°44 | 23°30 | 21°46 | 18° 9 | 8° 4 | 7°50 | 5° 6 | n.a. | M 5 |
| T 6 | 5 53 20 | 0♑ 0'55 | 6♎ 0 | 3° 8 | 13°26 | 19°25 | 3°18 | 11°48 | 23°29 | 21°47 | 18° 8 | 8° 3 | 7°47 | 5°13 | n.a. | T 6 |
| W 7 | 5 57 16 | 1° 1'19 | 19°48 | 2° 3 | 14°41 | 19°50 | 3°32 | 11°52 | 23°28 | 21°49 | 18° 7 | 8° 3 | 7°44 | 5°19 | n.a. | W 7 |
| T 8 | 6 1 13 | 2° 1'42 | 4♏ 0 | 0°57 | 15°55 | 20°15 | 3°45 | 11°56 | 23°27 | 21°50 | 18° 6 | 8° 1 | 7°40 | 5°26 | n.a. | T 8 |
| F 9 | 6 5 9 | 3° 2'03 | 18°36 | 29♐51 | 17°10 | 20°40 | 3°58 | 12° 1 | 23°25 | 21°51 | 18° 5 | 7°57 | 7°37 | 5°33 | n.a. | F 9 |
| S 10 | 6 9 6 | 4° 2'23 | 3♐31 | 28°46 | 18°25 | 21° 4 | 4°11 | 12° 5 | 23°24 | 21°52 | 18° 4 | 7°50 | 7°34 | 5°39 | n.a. | S 10 |
| S 11 | 6 13 2 | 5° 2'41 | 18°39 | 27°44 | 19°39 | 21°29 | 4°24 | 12°10 | 23°23 | 21°53 | 18° 3 | 7°40 | 7°31 | 5°46 | n.a. | S 11 |
| M12 | 6 16 59 | 6° 2'57 | 3♑50 | 26°46 | 20°54 | 21°53 | 4°37 | 12°14 | 23°21 | 21°54 | 18° 2 | 7°29 | 7°28 | 5°53 | n.a. | M12 |
| T 13 | 6 20 56 | 7° 3'11 | 18°52 | 25°53 | 22° 8 | 22°16 | 4°51 | 12°19 | 23°20 | 21°54 | 18° 1 | 7°17 | 7°25 | 6° 0 | n.a. | T 13 |
| W14 | 6 24 52 | 8° 3'23 | 3♒37 | 25° 6 | 23°23 | 22°40 | 5° 3 | 12°24 | 23°18 | 21°55 | 18° 0 | 7° 6 | 7°21 | 6° 6 | n.a. | W14 |
| T 15 | 6 28 49 | 9° 3'33 | 17°57 | 24°25 | 24°38 | 23° 3 | 5°16 | 12°29 | 23°17 | 21°56 | 17°59 | 6°57 | 7°18 | 6°13 | n.a. | T 15 |
| F 16 | 6 32 45 | 10° 3'40 | 1♓47 | 23°51 | 25°52 | 23°25 | 5°29 | 12°34 | 23°15 | 21°57 | 17°57 | 6°51 | 7°15 | 6°20 | n.a. | F 16 |
| S 17 | 6 36 42 | 11° 3'45 | 15° 8 | 23°24 | 27° 7 | 23°48 | 5°42 | 12°39 | 23°13 | 21°58 | 17°56 | 6°48 | 7°12 | 6°26 | n.a. | S 17 |
| S 18 | 6 40 38 | 12° 3'48 | 28° 1 | 23° 4 | 28°21 | 24°10 | 5°55 | 12°44 | 23°12 | 21°59 | 17°55 | 6°47 | 7° 9 | 6°33 | n.a. | S 18 |
| M19 | 6 44 35 | 13° 3'48 | 10♈32 | 22°52 | 29°35 | 24°32 | 6° 7 | 12°49 | 23°10 | 21°59 | 17°54 | 6°46 | 7° 6 | 6°40 | n.a. | M19 |
| T 20 | 6 48 31 | 14° 3'46 | 22°44 | 22°D45 | 0♒50 | 24°53 | 6°20 | 12°54 | 23° 8 | 22° 0 | 17°52 | 6°46 | 7° 2 | 6°46 | n.a. | T 20 |
| W21 | 6 52 28 | 15° 3'42 | 4♉43 | 22°46 | 2° 4 | 25°14 | 6°33 | 13° 0 | 23° 6 | 22° 1 | 17°51 | 6°45 | 6°59 | 6°53 | n.a. | W21 |
| T 22 | 6 56 24 | 16° 3'35 | 16°35 | 22°52 | 3°18 | 25°35 | 6°45 | 13° 5 | 23° 5 | 22° 1 | 17°50 | 6°41 | 6°56 | 7° 0 | n.a. | T 22 |
| F 23 | 7 0 21 | 17° 3'26 | 28°24 | 23° 4 | 4°33 | 25°55 | 6°57 | 13°11 | 23° 3 | 22° 2 | 17°48 | 6°35 | 6°53 | 7° 7 | n.a. | F 23 |
| S 24 | 7 4 18 | 18° 3'15 | 10♊14 | 23°22 | 5°47 | 26°15 | 7°10 | 13°16 | 23° 1 | 22° 2 | 17°47 | 6°26 | 6°50 | 7°13 | n.a. | S 24 |
| S 25 | 7 8 14 | 19° 3'01 | 22° 9 | 23°45 | 7° 1 | 26°35 | 7°22 | 13°22 | 22°59 | 22° 3 | 17°46 | 6°15 | 6°46 | 7°20 | n.a. | S 25 |
| M26 | 7 12 11 | 20° 2'45 | 4♋10 | 24°13 | 8°15 | 26°54 | 7°34 | 13°28 | 22°57 | 22° 3 | 17°44 | 6° 1 | 6°43 | 7°27 | n.a. | M26 |
| T 27 | 7 16 7 | 21° 2'27 | 16°20 | 24°46 | 9°30 | 27°13 | 7°46 | 13°33 | 22°55 | 22° 4 | 17°43 | 5°48 | 6°40 | 7°33 | n.a. | T 27 |
| W28 | 7 20 4 | 22° 2'06 | 28°38 | 25°23 | 10°44 | 27°31 | 7°58 | 13°39 | 22°53 | 22° 4 | 17°41 | 5°35 | 6°37 | 7°40 | n.a. | W28 |
| T 29 | 7 24 0 | 23° 1'44 | 11♌ 7 | 26° 4 | 11°58 | 27°49 | 8°10 | 13°45 | 22°51 | 22° 5 | 17°40 | 5°23 | 6°34 | 7°47 | n.a. | T 29 |
| F 30 | 7 27 57 | 24° 1'19 | 23°45 | 26°49 | 13°12 | 28° 6 | 8°22 | 13°51 | 22°49 | 22° 5 | 17°38 | 5°14 | 6°31 | 7°54 | n.a. | F 30 |
| S 31 | 7 31 53 | 25♑ 0'52 | 6♍34 | 27♐37 | 14♒26 | 28♍24 | 8♐34 | 13♓57 | 22♌46 | 22♎ 5 | 17♌37 | 5♈ 8 | 6♈27 | 8♊ 0 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 23 s50 | 24n39 | 4n36 | 21 s13 | 2n31 | 25 s 7 | 1 s24 | 7n25 | 2n29 | 20 s58 | 0n 3 | 9 s46 | 2 s34 | 14n43 | 0n50 | 6 s49 | 1n57 | 32n 3 | 17n21 | 3n23 | 3n15 | 25n43 | | | n.a. |
| F 2 | 23 52 | 20 48 | 4 4 | 20 58 | 2 47 | 25 3 | 1 25 | 7 15 | 2 30 | 21 1 | 0 3 | 9 44 | 2 33 | 14 43 | 0 50 | 6 49 | 1 57 | 32 4 | 17 22 | 3 20 | 3 14 | 25 45 | | | n.a. |
| S 3 | 23 53 | 15 59 | 3 20 | 20 46 | 3 2 | 24 59 | 1 26 | 7 5 | 2 31 | 21 3 | 0 3 | 9 42 | 2 33 | 14 44 | 0 50 | 6 50 | 1 57 | 32 4 | 17 22 | 3 17 | 3 13 | 25 47 | | | n.a. |
| S 4 | 23 54 | 10 23 | 2 25 | 20 34 | 3 16 | 24 54 | 1 26 | 6 56 | 2 31 | 21 6 | 0 3 | 9 41 | 2 33 | 14 44 | 0 50 | 6 50 | 1 57 | 32 5 | 17 23 | 3 16 | 3 11 | 25 49 | | | n.a. |
| M 5 | 23 55 | 4 14 | 1 21 | 20 24 | 3 27 | 24 48 | 1 27 | 6 46 | 2 32 | 21 9 | 0 3 | 9 39 | 2 33 | 14 44 | 0 50 | 6 51 | 1 57 | 32 6 | 17 23 | 3 16 | 3 10 | 25 50 | | | n.a. |
| T 6 | 23 55 | 2 s16 | 0 11 | 20 16 | 3 37 | 24 41 | 1 27 | 6 36 | 2 33 | 21 12 | 0 3 | 9 37 | 2 32 | 14 45 | 0 50 | 6 51 | 1 57 | 32 7 | 17 24 | 3 16 | 3 9 | 25 52 | | | n.a. |
| W 7 | 23 55 | 8 51 | 1 s 2 | 20 10 | 3 45 | 24 33 | 1 28 | 6 27 | 2 33 | 21 14 | 0 3 | 9 35 | 2 32 | 14 45 | 0 50 | 6 51 | 1 57 | 32 7 | 17 24 | 3 15 | 3 8 | 25 54 | | | n.a. |
| T 8 | 23 54 | 15 11 | 2 12 | 20 5 | 3 50 | 24 25 | 1 28 | 6 18 | 2 34 | 21 17 | 0 3 | 9 33 | 2 32 | 14 46 | 0 50 | 6 52 | 1 57 | 32 8 | 17 25 | 3 15 | 3 6 | 25 55 | | | n.a. |
| F 9 | 23 53 | 20 51 | 3 16 | 20 2 | 3 53 | 24 16 | 1 29 | 6 8 | 2 35 | 21 20 | 0 3 | 9 31 | 2 32 | 14 46 | 0 50 | 6 52 | 1 57 | 32 9 | 17 25 | 3 13 | 3 5 | 25 57 | | | n.a. |
| S 10 | 23 52 | 25 21 | 4 8 | 20 1 | 3 54 | 24 6 | 1 29 | 5 59 | 2 36 | 21 22 | 0 2 | 9 29 | 2 31 | 14 47 | 0 50 | 6 52 | 1 57 | 32 10 | 17 26 | 3 10 | 3 4 | 25 59 | | | n.a. |
| S 11 | 23 50 | 28 8 | 4 44 | 20 1 | 3 53 | 23 55 | 1 29 | 5 50 | 2 36 | 21 25 | 0 2 | 9 27 | 2 31 | 14 47 | 0 50 | 6 53 | 1 58 | 32 10 | 17 26 | 3 6 | 3 2 | 26 1 | | | n.a. |
| M12 | 23 47 | 28 51 | 4 59 | 20 3 | 3 50 | 23 44 | 1 29 | 5 41 | 2 37 | 21 27 | 0 2 | 9 25 | 2 31 | 14 48 | 0 50 | 6 53 | 1 58 | 32 11 | 17 26 | 3 2 | 3 1 | 26 2 | | | n.a. |
| T 13 | 23 44 | 27 25 | 4 54 | 20 7 | 3 45 | 23 32 | 1 29 | 5 32 | 2 38 | 21 30 | 0 2 | 9 23 | 2 31 | 14 48 | 0 50 | 6 53 | 1 58 | 32 12 | 17 27 | 2 57 | 3 0 | 26 4 | | | n.a. |
| W14 | 23 40 | 24 5 | 4 29 | 20 12 | 3 38 | 23 19 | 1 29 | 5 23 | 2 39 | 21 32 | 0 2 | 9 21 | 2 30 | 14 49 | 0 50 | 6 54 | 1 58 | 32 13 | 17 27 | 2 52 | 2 59 | 26 6 | | | n.a. |
| T 15 | 23 36 | 19 21 | 3 47 | 20 18 | 3 30 | 23 6 | 1 29 | 5 15 | 2 39 | 21 35 | 0 2 | 9 19 | 2 30 | 14 49 | 0 50 | 6 54 | 1 58 | 32 14 | 17 28 | 2 49 | 2 57 | 26 7 | | | n.a. |
| F 16 | 23 32 | 13 45 | 2 53 | 20 26 | 3 21 | 22 52 | 1 29 | 5 6 | 2 40 | 21 37 | 0 2 | 9 17 | 2 30 | 14 50 | 0 50 | 6 54 | 1 58 | 32 14 | 17 28 | 2 46 | 2 56 | 26 9 | | | n.a. |
| S 17 | 23 27 | 7 41 | 1 52 | 20 35 | 3 11 | 22 37 | 1 29 | 4 58 | 2 41 | 21 40 | 0 2 | 9 15 | 2 30 | 14 50 | 0 50 | 6 54 | 1 58 | 32 15 | 17 29 | 2 45 | 2 55 | 26 11 | | | n.a. |
| S 18 | 23 22 | 1 30 | 0 46 | 20 45 | 3 0 | 22 21 | 1 29 | 4 50 | 2 42 | 21 42 | 0 2 | 9 12 | 2 29 | 14 51 | 0 50 | 6 55 | 1 58 | 32 16 | 17 29 | 2 45 | 2 53 | 26 12 | | | n.a. |
| M19 | 23 16 | 4n33 | 0n20 | 20 56 | 2 48 | 22 5 | 1 28 | 4 42 | 2 42 | 21 45 | 0 1 | 9 10 | 2 29 | 14 52 | 0 50 | 6 55 | 1 58 | 32 17 | 17 29 | 2 45 | 2 52 | 26 14 | | | n.a. |
| T 20 | 23 10 | 10 18 | 1 23 | 21 7 | 2 36 | 21 49 | 1 28 | 4 34 | 2 43 | 21 47 | 0 1 | 9 8 | 2 29 | 14 52 | 0 50 | 6 55 | 1 58 | 32 17 | 17 30 | 2 44 | 2 51 | 26 16 | | | n.a. |
| W21 | 23 3 | 15 35 | 2 22 | 21 20 | 2 24 | 21 31 | 1 28 | 4 26 | 2 44 | 21 49 | 0 1 | 9 5 | 2 29 | 14 53 | 0 50 | 6 55 | 1 58 | 32 18 | 17 30 | 2 44 | 2 50 | 26 17 | | | n.a. |
| T 22 | 22 56 | 20 13 | 3 14 | 21 32 | 2 11 | 21 13 | 1 27 | 4 18 | 2 44 | 21 52 | 0 1 | 9 3 | 2 28 | 14 53 | 0 50 | 6 55 | 1 58 | 32 19 | 17 30 | 2 42 | 2 48 | 26 19 | | | n.a. |
| F 23 | 22 49 | 24 3 | 3 57 | 21 46 | 1 59 | 20 55 | 1 26 | 4 10 | 2 45 | 21 54 | 0 1 | 9 1 | 2 28 | 14 54 | 0 50 | 6 56 | 1 58 | 32 20 | 17 31 | 2 40 | 2 47 | 26 20 | | | n.a. |
| S 24 | 22 41 | 26 53 | 4 30 | 21 59 | 1 46 | 20 35 | 1 26 | 4 3 | 2 46 | 21 56 | 0 1 | 8 58 | 2 28 | 14 55 | 0 50 | 6 56 | 1 58 | 32 21 | 17 31 | 2 36 | 2 46 | 26 22 | | | n.a. |
| S 25 | 22 32 | 28 32 | 4 51 | 22 13 | 1 34 | 20 16 | 1 25 | 3 56 | 2 47 | 21 58 | 0 1 | 8 56 | 2 28 | 14 56 | 0 50 | 6 56 | 1 58 | 32 21 | 17 31 | 2 32 | 2 45 | 26 24 | | | n.a. |
| M26 | 22 24 | 28 51 | 5 0 | 22 27 | 1 21 | 19 55 | 1 24 | 3 48 | 2 47 | 22 0 | 0 1 | 8 54 | 2 28 | 14 56 | 0 50 | 6 56 | 1 58 | 32 22 | 17 32 | 2 26 | 2 43 | 26 25 | | | n.a. |
| T 27 | 22 14 | 27 47 | 4 55 | 22 40 | 1 9 | 19 35 | 1 24 | 3 41 | 2 48 | 22 2 | 0 0 | 8 51 | 2 27 | 14 57 | 0 51 | 6 56 | 1 59 | 32 23 | 17 32 | 2 21 | 2 42 | 26 27 | | | n.a. |
| W28 | 22 5 | 25 21 | 4 37 | 22 54 | 0 57 | 19 13 | 1 23 | 3 35 | 2 49 | 22 5 | 0 0 | 8 49 | 2 27 | 14 58 | 0 51 | 6 56 | 1 59 | 32 24 | 17 32 | 2 15 | 2 41 | 26 28 | | | n.a. |
| T 29 | 21 55 | 21 42 | 4 5 | 23 7 | 0 45 | 18 51 | 1 22 | 3 28 | 2 49 | 22 7 | 0 0 | 8 46 | 2 27 | 14 58 | 0 51 | 6 56 | 1 59 | 32 24 | 17 33 | 2 11 | 2 39 | 26 30 | | | n.a. |
| F 30 | 21 44 | 17 1 | 3 20 | 23 20 | 0 34 | 18 29 | 1 21 | 3 21 | 2 50 | 22 9 | 0 0 | 8 43 | 2 27 | 14 59 | 0 51 | 6 56 | 1 59 | 32 25 | 17 33 | 2 7 | 2 38 | 26 31 | | | n.a. |
| S 31 | 21 s34 | 11n31 | 2n25 | 23 s32 | 0n22 | 18 s 6 | 1 s19 | 3n15 | 2n51 | 22 s11 | 0n 0 | 8 s41 | 2 s27 | 15n 0 | 0n51 | 6 s56 | 1n59 | 32n26 | 17n33 | 2n 5 | 2n37 | 26n33 | | | n.a. |

Julian Day Number = 998958.5, Delta T = 12h53m30s
Ecliptic obliquity = 23°55'27, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'40, Lahiri = -31°13'39 Julian Calendar 1 Jan. 1978 BCE == Greg. Calendar 15 Dec. 1979 BCE

The year -1977 astronomical counting style corresponds to year 1978 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## FEBRUARY 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 35 50 | 26♉ 0'23 | 19♍34 | 28♐28 | 15♒40 | 28♍40 | 8♐46 | 14♓ 3 | 22°R44 | 22♎ 6 | 17°R35 | 5°R 5 | 6♈24 | 8♊ 7 | n.a. | S 1 |
| M 2 | 7 39 47 | 26°59'52 | 2♎47 | 29°23 | 16°54 | 28°56 | 8°58 | 14°10 | 22♎42 | 22° 6 | 17♎34 | 5°D 4 | 6°21 | 8°14 | n.a. | M 2 |
| T 3 | 7 43 43 | 27°59'19 | 16°15 | 0♉20 | 18° 8 | 29°12 | 9° 9 | 14°16 | 22°40 | 22° 6 | 17°32 | 5♈ 4 | 6°18 | 8°20 | n.a. | T 3 |
| W 4 | 7 47 40 | 28°58'44 | 29°59 | 1°21 | 19°22 | 29°27 | 9°21 | 14°22 | 22°37 | 22° 6 | 17°31 | 5°R 4 | 6°15 | 8°27 | n.a. | W 4 |
| T 5 | 7 51 36 | 29°58'08 | 14♏ 1 | 2°24 | 20°36 | 29°42 | 9°32 | 14°29 | 22°35 | 22° 6 | 17°29 | 5° 3 | 6°12 | 8°34 | n.a. | T 5 |
| F 6 | 7 55 33 | 0♒57'29 | 28°20 | 3°29 | 21°49 | 29°56 | 9°43 | 14°35 | 22°33 | 22° 6 | 17°28 | 5° 1 | 6° 8 | 8°41 | n.a. | F 6 |
| S 7 | 7 59 29 | 1°56'49 | 12♐54 | 4°37 | 23° 3 | 0♎10 | 9°55 | 14°42 | 22°31 | 22° 6 | 17°26 | 4°55 | 6° 5 | 8°47 | n.a. | S 7 |
| S 8 | 8 3 26 | 2°56'07 | 27°39 | 5°47 | 24°17 | 0°23 | 10° 6 | 14°48 | 22°28 | 22° 7 | 17°24 | 4°48 | 6° 2 | 8°54 | n.a. | S 8 |
| M 9 | 8 7 22 | 3°55'23 | 12♉27 | 6°59 | 25°31 | 0°36 | 10°17 | 14°55 | 22°26 | 22°R 7 | 17°23 | 4°39 | 5°59 | 9° 1 | n.a. | M 9 |
| T 10 | 8 11 19 | 4°54'36 | 27°11 | 8°13 | 26°45 | 0°48 | 10°28 | 15° 1 | 22°23 | 22° 7 | 17°21 | 4°29 | 5°56 | 9° 7 | n.a. | T 10 |
| W11 | 8 15 16 | 5°53'47 | 11♒42 | 9°29 | 27°58 | 1° 0 | 10°39 | 15° 8 | 22°21 | 22° 6 | 17°20 | 4°20 | 5°52 | 9°14 | n.a. | W11 |
| T 12 | 8 19 12 | 6°52'56 | 25°53 | 10°47 | 29°12 | 1°11 | 10°49 | 15°15 | 22°19 | 22° 6 | 17°18 | 4°13 | 5°49 | 9°21 | n.a. | T 12 |
| F 13 | 8 23 9 | 7°52'03 | 9♓41 | 12° 7 | 0♓26 | 1°21 | 11° 0 | 15°22 | 22°16 | 22° 6 | 17°16 | 4° 8 | 5°46 | 9°27 | n.a. | F 13 |
| S 14 | 8 27 5 | 8°51'07 | 23° 3 | 13°28 | 1°39 | 1°31 | 11°10 | 15°29 | 22°14 | 22° 6 | 17°15 | 4° 5 | 5°43 | 9°34 | n.a. | S 14 |
| S 15 | 8 31 2 | 9°50'09 | 6♈ 0 | 14°51 | 2°53 | 1°40 | 11°21 | 15°35 | 22°11 | 22° 6 | 17°13 | 4°D 5 | 5°40 | 9°41 | n.a. | S 15 |
| M16 | 8 34 58 | 10°49'08 | 18°34 | 16°16 | 4° 6 | 1°49 | 11°31 | 15°42 | 22° 9 | 22° 6 | 17°11 | 4° 5 | 5°37 | 9°48 | n.a. | M16 |
| T 17 | 8 38 55 | 11°48'05 | 0♉50 | 17°43 | 5°20 | 1°57 | 11°41 | 15°49 | 22° 6 | 22° 5 | 17°10 | 4° 6 | 5°33 | 9°54 | n.a. | T 17 |
| W18 | 8 42 51 | 12°47'00 | 12°52 | 19°11 | 6°33 | 2° 4 | 11°52 | 15°56 | 22° 4 | 22° 5 | 17° 8 | 4°R 7 | 5°30 | 10° 1 | n.a. | W18 |
| T 19 | 8 46 48 | 13°45'52 | 24°47 | 20°41 | 7°46 | 2°11 | 12° 2 | 16° 4 | 22° 1 | 22° 5 | 17° 6 | 4° 6 | 5°27 | 10° 8 | n.a. | T 19 |
| F 20 | 8 50 44 | 14°44'41 | 6♊37 | 22°12 | 9° 0 | 2°17 | 12°12 | 16°11 | 21°58 | 22° 5 | 17° 5 | 4° 4 | 5°24 | 10°14 | n.a. | F 20 |
| S 21 | 8 54 41 | 15°43'29 | 18°30 | 23°45 | 10°13 | 2°22 | 12°21 | 16°18 | 21°56 | 22° 4 | 17° 3 | 3°59 | 5°21 | 10°21 | n.a. | S 21 |
| S 22 | 8 58 37 | 16°42'14 | 0♋28 | 25°20 | 11°26 | 2°27 | 12°31 | 16°25 | 21°53 | 22° 4 | 17° 1 | 3°52 | 5°17 | 10°28 | n.a. | S 22 |
| M23 | 9 2 34 | 17°40'56 | 12°35 | 26°56 | 12°39 | 2°31 | 12°41 | 16°32 | 21°51 | 22° 3 | 17° 0 | 3°45 | 5°14 | 10°35 | n.a. | M23 |
| T 24 | 9 6 31 | 18°39'36 | 24°53 | 28°33 | 13°53 | 2°34 | 12°50 | 16°40 | 21°48 | 22° 3 | 16°58 | 3°36 | 5°11 | 10°41 | n.a. | T 24 |
| W25 | 9 10 27 | 19°38'14 | 7♌23 | 0♒12 | 15° 6 | 2°37 | 12°59 | 16°47 | 21°46 | 22° 2 | 16°56 | 3°28 | 5° 8 | 10°48 | n.a. | W25 |
| T 26 | 9 14 24 | 20°36'50 | 20° 7 | 1°53 | 16°19 | 2°39 | 13° 9 | 16°54 | 21°43 | 22° 2 | 16°55 | 3°21 | 5° 5 | 10°55 | n.a. | T 26 |
| F 27 | 9 18 20 | 21°35'24 | 3♍ 5 | 3°35 | 17°32 | 2°40 | 13°18 | 17° 2 | 21°41 | 22° 1 | 16°53 | 3°16 | 5° 2 | 11° 1 | n.a. | F 27 |
| S 28 | 9 22 17 | 22♒33'55 | 16♍15 | 5♒19 | 18♓45 | 2°R40 | 13♐27 | 17♓ 9 | 21♌38 | 22♎ 1 | 16♌51 | 3♈13 | 4♈58 | 11♊ 8 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 21 s22 | 5n27 | 1n21 | 23 s44 | 0n11 | 17 s42 | 1 s18 | 3n 9 | 2n51 | 22 s13 | 0 s 0 | 8 s38 | 2 s26 | 15n 1 | 0n51 | 6 s56 | 1n59 | 32n27 | 17n33 | 2n 3 | 2n36 | 26n35 | | | n.a. |
| M 2 | 21 11 | 0 s57 | 0 12 | 23 55 | 0 1 | 17 19 | 1 17 | 3 3 | 2 52 | 22 15 | 0 0 | 8 36 | 2 26 | 15 1 | 0 51 | 6 56 | 1 59 | 32 27 | 17 34 | 2 3 | 2 34 | 26 36 | | | n.a. |
| T 3 | 20 59 | 7 25 | 0 s59 | 24 5 | 0 s 9 | 16 54 | 1 16 | 2 57 | 2 52 | 22 17 | 0 0 | 8 33 | 2 26 | 15 2 | 0 51 | 6 56 | 1 59 | 32 28 | 17 34 | 2 3 | 2 33 | 26 38 | | | n.a. |
| W 4 | 20 47 | 13 42 | 2 8 | 24 14 | 0 19 | 16 29 | 1 14 | 2 51 | 2 53 | 22 18 | 0 0 | 8 30 | 2 26 | 15 3 | 0 51 | 6 56 | 1 59 | 32 29 | 17 34 | 2 3 | 2 32 | 26 39 | | | n.a. |
| T 5 | 20 34 | 19 24 | 3 12 | 24 23 | 0 29 | 16 4 | 1 13 | 2 46 | 2 54 | 22 20 | 0 1 | 8 28 | 2 26 | 15 4 | 0 51 | 6 56 | 1 59 | 32 30 | 17 34 | 2 3 | 2 30 | 26 41 | | | n.a. |
| F 6 | 20 21 | 24 9 | 4 4 | 24 31 | 0 38 | 15 38 | 1 11 | 2 41 | 2 54 | 22 22 | 0 1 | 8 25 | 2 25 | 15 4 | 0 51 | 6 56 | 1 59 | 32 30 | 17 35 | 2 2 | 2 29 | 26 42 | | | n.a. |
| S 7 | 20 8 | 27 28 | 4 42 | 24 37 | 0 47 | 15 12 | 1 10 | 2 36 | 2 55 | 22 24 | 0 1 | 8 22 | 2 25 | 15 5 | 0 51 | 6 56 | 1 59 | 32 31 | 17 35 | 2 0 | 2 28 | 26 44 | | | n.a. |
| S 8 | 19 54 | 28 55 | 5 1 | 24 43 | 0 55 | 14 46 | 1 8 | 2 31 | 2 55 | 22 26 | 0 1 | 8 20 | 2 25 | 15 6 | 0 51 | 6 56 | 1 59 | 32 32 | 17 35 | 1 57 | 2 27 | 26 45 | | | n.a. |
| M 9 | 19 40 | 28 19 | 5 1 | 24 47 | 1 3 | 14 19 | 1 7 | 2 26 | 2 56 | 22 28 | 0 1 | 8 17 | 2 25 | 15 7 | 0 51 | 6 56 | 1 59 | 32 33 | 17 35 | 1 53 | 2 25 | 26 47 | | | n.a. |
| T 10 | 19 25 | 25 43 | 4 40 | 24 51 | 1 11 | 13 52 | 1 5 | 2 22 | 2 56 | 22 29 | 0 1 | 8 14 | 2 25 | 15 8 | 0 51 | 6 56 | 1 59 | 32 33 | 17 35 | 1 49 | 2 24 | 26 48 | | | n.a. |
| W11 | 19 11 | 21 29 | 4 2 | 24 53 | 1 18 | 13 24 | 1 3 | 2 17 | 2 57 | 22 31 | 0 1 | 8 11 | 2 25 | 15 8 | 0 51 | 6 56 | 1 59 | 32 34 | 17 35 | 1 45 | 2 23 | 26 50 | | | n.a. |
| T 12 | 18 56 | 16 6 | 3 9 | 24 53 | 1 25 | 12 56 | 1 1 | 2 13 | 2 57 | 22 33 | 0 1 | 8 8 | 2 24 | 15 9 | 0 51 | 6 56 | 2 0 | 32 35 | 17 36 | 1 42 | 2 21 | 26 51 | | | n.a. |
| F 13 | 18 40 | 10 3 | 2 7 | 24 52 | 1 31 | 12 28 | 0 59 | 2 9 | 2 57 | 22 34 | 0 2 | 8 6 | 2 24 | 15 10 | 0 51 | 6 56 | 2 0 | 32 35 | 17 36 | 1 40 | 2 20 | 26 53 | | | n.a. |
| S 14 | 18 25 | 3 43 | 0 59 | 24 50 | 1 37 | 12 0 | 0 57 | 2 6 | 2 58 | 22 36 | 0 2 | 8 3 | 2 24 | 15 11 | 0 51 | 6 56 | 2 0 | 32 36 | 17 36 | 1 39 | 2 19 | 26 54 | | | n.a. |
| S 15 | 18 9 | 2n35 | 0n10 | 24 47 | 1 43 | 11 31 | 0 55 | 2 2 | 2 58 | 22 38 | 0 2 | 8 0 | 2 24 | 15 12 | 0 51 | 6 56 | 2 0 | 32 37 | 17 36 | 1 39 | 2 18 | 26 55 | | | n.a. |
| M16 | 17 52 | 8 36 | 1 17 | 24 42 | 1 48 | 11 2 | 0 53 | 1 59 | 2 59 | 22 39 | 0 2 | 7 57 | 2 24 | 15 13 | 0 51 | 6 56 | 2 0 | 32 37 | 17 36 | 1 39 | 2 16 | 26 57 | | | n.a. |
| T 17 | 17 36 | 14 9 | 2 19 | 24 35 | 1 53 | 10 32 | 0 51 | 1 56 | 2 59 | 22 41 | 0 2 | 7 54 | 2 24 | 15 14 | 0 51 | 6 56 | 2 0 | 32 38 | 17 36 | 1 40 | 2 15 | 26 58 | | | n.a. |
| W18 | 17 19 | 19 4 | 3 13 | 24 27 | 1 57 | 10 3 | 0 49 | 1 54 | 2 59 | 22 42 | 0 2 | 7 51 | 2 24 | 15 14 | 0 51 | 6 55 | 2 0 | 32 39 | 17 36 | 1 40 | 2 14 | 27 0 | | | n.a. |
| T 19 | 17 2 | 23 11 | 3 58 | 24 17 | 2 1 | 9 33 | 0 47 | 1 51 | 3 0 | 22 44 | 0 2 | 7 48 | 2 23 | 15 15 | 0 51 | 6 55 | 2 0 | 32 39 | 17 36 | 1 40 | 2 12 | 27 1 | | | n.a. |
| F 20 | 16 44 | 26 20 | 4 33 | 24 5 | 2 4 | 9 3 | 0 45 | 1 49 | 3 0 | 22 45 | 0 3 | 7 45 | 2 23 | 15 16 | 0 51 | 6 55 | 2 0 | 32 40 | 17 36 | 1 39 | 2 11 | 27 3 | | | n.a. |
| S 21 | 16 27 | 28 20 | 4 56 | 23 52 | 2 7 | 8 32 | 0 42 | 1 47 | 3 0 | 22 47 | 0 3 | 7 42 | 2 23 | 15 17 | 0 51 | 6 55 | 2 0 | 32 40 | 17 36 | 1 37 | 2 10 | 27 4 | | | n.a. |
| S 22 | 16 9 | 29 2 | 5 7 | 23 37 | 2 9 | 8 2 | 0 40 | 1 45 | 3 0 | 22 48 | 0 3 | 7 39 | 2 23 | 15 18 | 0 51 | 6 55 | 2 0 | 32 41 | 17 36 | 1 34 | 2 9 | 27 5 | | | n.a. |
| M23 | 15 51 | 28 21 | 5 4 | 23 20 | 2 11 | 7 31 | 0 38 | 1 44 | 3 0 | 22 50 | 0 3 | 7 36 | 2 23 | 15 19 | 0 51 | 6 54 | 2 0 | 32 42 | 17 37 | 1 31 | 2 7 | 27 7 | | | n.a. |
| T 24 | 15 32 | 26 17 | 4 47 | 23 2 | 2 12 | 7 0 | 0 35 | 1 42 | 3 0 | 22 51 | 0 3 | 7 33 | 2 23 | 15 19 | 0 51 | 6 54 | 2 0 | 32 42 | 17 37 | 1 28 | 2 6 | 27 8 | | | n.a. |
| W25 | 15 14 | 22 54 | 4 16 | 22 41 | 2 13 | 6 29 | 0 33 | 1 41 | 3 0 | 22 52 | 0 3 | 7 30 | 2 23 | 15 20 | 0 51 | 6 54 | 2 0 | 32 43 | 17 37 | 1 24 | 2 5 | 27 9 | | | n.a. |
| T 26 | 14 55 | 18 24 | 3 31 | 22 19 | 2 14 | 5 58 | 0 30 | 1 41 | 3 0 | 22 54 | 0 3 | 7 27 | 2 23 | 15 21 | 0 51 | 6 54 | 2 0 | 32 43 | 17 37 | 1 22 | 2 3 | 27 11 | | | n.a. |
| F 27 | 14 36 | 12 59 | 2 36 | 21 55 | 2 14 | 5 27 | 0 28 | 1 40 | 3 0 | 22 55 | 0 4 | 7 24 | 2 22 | 15 22 | 0 51 | 6 53 | 2 0 | 32 44 | 17 37 | 1 19 | 2 2 | 27 12 | | | n.a. |
| S 28 | 14 s16 | 6n55 | 1n31 | 21 s28 | 2 s13 | 4 s55 | 0 s25 | 1n40 | 3n 0 | 22 s56 | 0 s 4 | 7 s21 | 2 s22 | 15n23 | 0n51 | 6 s53 | 2n 0 | 32n44 | 17n37 | 1n18 | 2n 1 | 27n14 | | | n.a. |

Julian Day Number = 998989.5, Delta T = 12h53m28s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'35, Lahiri = -31°13'35 Julian Calendar 1 Feb. 1978 BCE == Greg. Calendar 15 Jan. 1978 BCE


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## MARCH 1978 BCE (-1977) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 26 13 | 23♒32'25 | 29♍37 | 7♒ 4 | 19♓58 | 2°R40 | 13♐35 | 17♓17 | 21°R35 | 22°R 0 | 16°R50 | 3°D11 | 4♈55 | 11♊15 | n.a. | S 1 |
| M 2 | 9 30 10 | 24°30'52 | 13♎10 | 8°51 | 21°10 | 2♎39 | 13°44 | 17°24 | 21♌33 | 21♎59 | 16♌48 | 3♈12 | 4°52 | 11°22 | n.a. | M 2 |
| T 3 | 9 34 6 | 25°29'18 | 26°53 | 10°39 | 22°23 | 2°37 | 13°53 | 17°32 | 21°30 | 21°59 | 16°46 | 3°13 | 4°49 | 11°28 | n.a. | T 3 |
| W 4 | 9 38 3 | 26°27'42 | 10♏47 | 12°29 | 23°36 | 2°35 | 14° 1 | 17°39 | 21°28 | 21°58 | 16°45 | 3°14 | 4°46 | 11°35 | n.a. | W 4 |
| T 5 | 9 41 59 | 27°26'05 | 24°50 | 14°21 | 24°49 | 2°31 | 14°10 | 17°47 | 21°25 | 21°57 | 16°43 | 3°R15 | 4°43 | 11°42 | n.a. | T 5 |
| F 6 | 9 45 56 | 28°24'25 | 9♐ 2 | 16°14 | 26° 1 | 2°27 | 14°18 | 17°54 | 21°23 | 21°56 | 16°41 | 3°15 | 4°39 | 11°48 | n.a. | F 6 |
| S 7 | 9 49 53 | 29°22'44 | 23°20 | 18° 9 | 27°14 | 2°23 | 14°26 | 18° 2 | 21°20 | 21°56 | 16°40 | 3°13 | 4°36 | 11°55 | n.a. | S 7 |
| S 8 | 9 53 49 | 0♓21'02 | 7♑42 | 20° 5 | 28°27 | 2°17 | 14°34 | 18°10 | 21°17 | 21°55 | 16°38 | 3° 9 | 4°33 | 12° 2 | n.a. | S 8 |
| M 9 | 9 57 46 | 1°19'18 | 22° 3 | 22° 3 | 29°39 | 2°11 | 14°42 | 18°17 | 21°15 | 21°54 | 16°37 | 3° 5 | 4°30 | 12° 9 | n.a. | M 9 |
| T 10 | 10 1 42 | 2°17'31 | 6♒19 | 24° 3 | 0♈52 | 2° 4 | 14°49 | 18°25 | 21°12 | 21°53 | 16°35 | 3° 0 | 4°27 | 12°15 | n.a. | T 10 |
| W11 | 10 5 39 | 3°15'44 | 20°24 | 26° 4 | 2° 4 | 1°56 | 14°57 | 18°33 | 21°10 | 21°52 | 16°33 | 2°56 | 4°23 | 12°22 | n.a. | W11 |
| T 12 | 10 9 35 | 4°13'54 | 4♓14 | 28° 6 | 3°16 | 1°47 | 15° 4 | 18°41 | 21° 7 | 21°51 | 16°32 | 2°53 | 4°20 | 12°29 | n.a. | T 12 |
| F 13 | 10 13 32 | 5°12'02 | 17°47 | 0♓10 | 4°29 | 1°38 | 15°11 | 18°48 | 21° 5 | 21°50 | 16°30 | 2°50 | 4°17 | 12°35 | n.a. | F 13 |
| S 14 | 10 17 28 | 6°10'08 | 0♈59 | 2°15 | 5°41 | 1°27 | 15°18 | 18°56 | 21° 2 | 21°49 | 16°29 | 2°D50 | 4°14 | 12°42 | n.a. | S 14 |
| S 15 | 10 21 25 | 7° 8'12 | 13°51 | 4°21 | 6°53 | 1°17 | 15°25 | 19° 4 | 21° 0 | 21°48 | 16°27 | 2°50 | 4°11 | 12°49 | n.a. | S 15 |
| M16 | 10 25 22 | 8° 6'15 | 26°24 | 6°28 | 8° 5 | 1° 5 | 15°32 | 19°12 | 20°58 | 21°47 | 16°26 | 2°51 | 4° 8 | 12°56 | n.a. | M16 |
| T 17 | 10 29 18 | 9° 4'15 | 8♉41 | 8°36 | 9°18 | 0°53 | 15°39 | 19°20 | 20°55 | 21°46 | 16°24 | 2°53 | 4° 4 | 13° 2 | n.a. | T 17 |
| W18 | 10 33 15 | 10° 2'13 | 20°45 | 10°45 | 10°30 | 0°40 | 15°45 | 19°27 | 20°53 | 21°45 | 16°23 | 2°54 | 4° 1 | 13° 9 | n.a. | W18 |
| T 19 | 10 37 11 | 11° 0'10 | 2♊41 | 12°54 | 11°42 | 0°26 | 15°52 | 19°35 | 20°50 | 21°44 | 16°21 | 2°55 | 3°58 | 13°16 | n.a. | T 19 |
| F 20 | 10 41 8 | 11°58'04 | 14°34 | 15° 4 | 12°53 | 0°12 | 15°58 | 19°43 | 20°48 | 21°43 | 16°20 | 2°R56 | 3°55 | 13°22 | n.a. | F 20 |
| S 21 | 10 45 4 | 12°55'56 | 26°28 | 17°13 | 14° 5 | 29♍57 | 16° 4 | 19°51 | 20°46 | 21°42 | 16°18 | 2°55 | 3°52 | 13°29 | n.a. | S 21 |
| S 22 | 10 49 1 | 13°53'47 | 8♋28 | 19°22 | 15°17 | 29°41 | 16°10 | 19°59 | 20°43 | 21°41 | 16°17 | 2°53 | 3°49 | 13°36 | n.a. | S 22 |
| M23 | 10 52 57 | 14°51'35 | 20°38 | 21°31 | 16°29 | 29°25 | 16°15 | 20° 7 | 20°41 | 21°39 | 16°15 | 2°51 | 3°45 | 13°43 | n.a. | M23 |
| T 24 | 10 56 54 | 15°49'22 | 3♌ 1 | 23°38 | 17°41 | 29° 9 | 16°21 | 20°15 | 20°39 | 21°38 | 16°14 | 2°49 | 3°42 | 13°49 | n.a. | T 24 |
| W25 | 11 0 50 | 16°47'07 | 15°40 | 25°44 | 18°52 | 28°51 | 16°26 | 20°23 | 20°37 | 21°37 | 16°13 | 2°46 | 3°39 | 13°56 | n.a. | W25 |
| T 26 | 11 4 47 | 17°44'50 | 28°37 | 27°49 | 20° 4 | 28°34 | 16°32 | 20°30 | 20°34 | 21°36 | 16°11 | 2°44 | 3°36 | 14° 3 | n.a. | T 26 |
| F 27 | 11 8 44 | 18°42'31 | 11♍52 | 29°52 | 21°15 | 28°16 | 16°37 | 20°38 | 20°32 | 21°34 | 16°10 | 2°43 | 3°33 | 14° 9 | n.a. | F 27 |
| S 28 | 11 12 40 | 19°40'11 | 25°24 | 1♈53 | 22°27 | 27°57 | 16°41 | 20°46 | 20°30 | 21°33 | 16° 8 | 2°42 | 3°29 | 14°16 | n.a. | S 28 |
| S 29 | 11 16 37 | 20°37'49 | 9♎11 | 3°52 | 23°38 | 27°38 | 16°46 | 20°54 | 20°28 | 21°32 | 16° 7 | 2°D42 | 3°26 | 14°23 | n.a. | S 29 |
| M30 | 11 20 33 | 21°35'26 | 23°10 | 5°48 | 24°49 | 27°19 | 16°51 | 21° 2 | 20°26 | 21°31 | 16° 6 | 2°43 | 3°23 | 14°30 | n.a. | M30 |
| T 31 | 11 24 30 | 22♓33'01 | 7♏19 | 7♈42 | 26♈ 0 | 26♍59 | 16♐55 | 21♓10 | 20♌24 | 21♎29 | 16♌ 5 | 2♈43 | 3♈20 | 14♊36 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 13s57 | 0n27 | 0n19 | 21s 0 | 2s12 | 4s24 | 0s22 | 1n40 | 3n 0 | 22s57 | 0s 4 | 7s18 | 2s22 | 15n24 | 0n51 | 6s53 | 2n 0 | 32n45 | 17n36 | 1n18 | 2n 0 | 27n15 | | | n.a. |
| M 2 | 13 37 | 6s 7 | 0s54 | 20 30 | 2 10 | 3 52 | 0 20 | 1 40 | 3 0 | 22 59 | 0 4 | 7 15 | 2 22 | 15 25 | 0 51 | 6 53 | 2 1 | 32 46 | 17 36 | 1 18 | 1 58 | 27 16 | | | n.a. |
| T 3 | 13 17 | 12 30 | 2 5 | 19 58 | 2 8 | 3 20 | 0 17 | 1 41 | 3 0 | 23 0 | 0 4 | 7 12 | 2 22 | 15 25 | 0 51 | 6 52 | 2 1 | 32 46 | 17 36 | 1 18 | 1 57 | 27 17 | | | n.a. |
| W 4 | 12 57 | 18 22 | 3 10 | 19 24 | 2 6 | 2 48 | 0 14 | 1 41 | 2 59 | 23 1 | 0 4 | 7 9 | 2 22 | 15 26 | 0 51 | 6 52 | 2 1 | 32 47 | 17 36 | 1 19 | 1 56 | 27 19 | | | n.a. |
| T 5 | 12 36 | 23 18 | 4 4 | 18 48 | 2 2 | 2 17 | 0 11 | 1 42 | 2 59 | 23 2 | 0 4 | 7 6 | 2 22 | 15 27 | 0 51 | 6 52 | 2 1 | 32 47 | 17 36 | 1 19 | 1 54 | 27 20 | | | n.a. |
| F 6 | 12 16 | 26 56 | 4 44 | 18 10 | 1 58 | 1 45 | 0 9 | 1 44 | 2 59 | 23 3 | 0 4 | 7 2 | 2 22 | 15 28 | 0 51 | 6 51 | 2 1 | 32 47 | 17 36 | 1 19 | 1 53 | 27 21 | | | n.a. |
| S 7 | 11 55 | 28 52 | 5 7 | 17 30 | 1 54 | 1 13 | 0 6 | 1 45 | 2 58 | 23 4 | 0 5 | 6 59 | 2 22 | 15 29 | 0 51 | 6 51 | 2 1 | 32 48 | 17 36 | 1 18 | 1 52 | 27 23 | | | n.a. |
| S 8 | 11 34 | 28 52 | 5 10 | 16 48 | 1 49 | 0 41 | 0 3 | 1 47 | 2 58 | 23 5 | 0 5 | 6 56 | 2 22 | 15 30 | 0 51 | 6 51 | 2 1 | 32 48 | 17 36 | 1 17 | 1 51 | 27 24 | | | n.a. |
| M 9 | 11 13 | 26 55 | 4 55 | 16 4 | 1 44 | 0 9 | 0 0 | 1 49 | 2 57 | 23 6 | 0 5 | 6 53 | 2 22 | 15 30 | 0 51 | 6 50 | 2 1 | 32 49 | 17 36 | 1 15 | 1 49 | 27 25 | | | n.a. |
| T 10 | 10 52 | 23 16 | 4 21 | 15 18 | 1 38 | 0n23 | 0n 3 | 1 51 | 2 56 | 23 7 | 0 5 | 6 50 | 2 21 | 15 31 | 0 51 | 6 50 | 2 1 | 32 49 | 17 36 | 1 13 | 1 48 | 27 27 | | | n.a. |
| W11 | 10 31 | 18 19 | 3 31 | 14 31 | 1 31 | 0 56 | 0 6 | 1 54 | 2 56 | 23 9 | 0 5 | 6 47 | 2 21 | 15 32 | 0 51 | 6 49 | 2 1 | 32 50 | 17 36 | 1 11 | 1 47 | 27 28 | | | n.a. |
| T 12 | 10 9 | 12 28 | 2 30 | 13 41 | 1 24 | 1 28 | 0 9 | 1 57 | 2 55 | 23 9 | 0 5 | 6 44 | 2 21 | 15 33 | 0 51 | 6 49 | 2 1 | 32 50 | 17 35 | 1 10 | 1 45 | 27 29 | | | n.a. |
| F 13 | 9 48 | 6 10 | 1 22 | 12 50 | 1 16 | 1 59 | 0 12 | 2 0 | 2 54 | 23 10 | 0 6 | 6 40 | 2 21 | 15 34 | 0 51 | 6 49 | 2 1 | 32 50 | 17 35 | 1 9 | 1 44 | 27 30 | | | n.a. |
| S 14 | 9 26 | 0n15 | 0 10 | 11 56 | 1 8 | 2 31 | 0 15 | 2 3 | 2 53 | 23 11 | 0 6 | 6 37 | 2 21 | 15 34 | 0 51 | 6 48 | 2 1 | 32 51 | 17 35 | 1 9 | 1 43 | 27 32 | | | n.a. |
| S 15 | 9 4 | 6 29 | 1n 0 | 11 2 | 1 0 | 3 3 | 0 18 | 2 6 | 2 52 | 23 12 | 0 6 | 6 34 | 2 21 | 15 35 | 0 51 | 6 48 | 2 1 | 32 51 | 17 35 | 1 9 | 1 42 | 27 33 | | | n.a. |
| M16 | 8 42 | 12 20 | 2 6 | 10 6 | 0 51 | 3 35 | 0 20 | 2 10 | 2 51 | 23 13 | 0 6 | 6 31 | 2 21 | 15 36 | 0 51 | 6 47 | 2 1 | 32 51 | 17 35 | 1 9 | 1 40 | 27 34 | | | n.a. |
| T 17 | 8 20 | 17 35 | 3 4 | 9 8 | 0 41 | 4 7 | 0 23 | 2 14 | 2 50 | 23 14 | 0 6 | 6 28 | 2 21 | 15 37 | 0 51 | 6 47 | 2 1 | 32 52 | 17 35 | 1 10 | 1 39 | 27 35 | | | n.a. |
| W18 | 7 57 | 22 3 | 3 54 | 8 10 | 0 31 | 4 38 | 0 26 | 2 18 | 2 49 | 23 15 | 0 6 | 6 25 | 2 21 | 15 38 | 0 51 | 6 46 | 2 1 | 32 52 | 17 34 | 1 11 | 1 38 | 27 36 | | | n.a. |
| T 19 | 7 35 | 25 34 | 4 32 | 7 10 | 0 21 | 5 10 | 0 29 | 2 22 | 2 47 | 23 16 | 0 6 | 6 21 | 2 21 | 15 38 | 0 51 | 6 46 | 2 1 | 32 52 | 17 34 | 1 11 | 1 36 | 27 38 | | | n.a. |
| F 20 | 7 13 | 27 57 | 4 59 | 6 10 | 0 11 | 5 41 | 0 32 | 2 27 | 2 46 | 23 17 | 0 7 | 6 18 | 2 21 | 15 39 | 0 51 | 6 45 | 2 1 | 32 53 | 17 34 | 1 11 | 1 35 | 27 39 | | | n.a. |
| S 21 | 6 50 | 29 5 | 5 13 | 5 9 | 0 0 | 6 13 | 0 35 | 2 31 | 2 44 | 23 17 | 0 7 | 6 15 | 2 21 | 15 40 | 0 51 | 6 45 | 2 1 | 32 53 | 17 34 | 1 11 | 1 34 | 27 40 | | | n.a. |
| S 22 | 6 27 | 28 51 | 5 13 | 4 8 | 0n11 | 6 44 | 0 38 | 2 36 | 2 43 | 23 18 | 0 7 | 6 12 | 2 21 | 15 41 | 0 51 | 6 45 | 2 1 | 32 53 | 17 33 | 1 10 | 1 33 | 27 41 | | | n.a. |
| M23 | 6 5 | 27 14 | 5 0 | 3 6 | 0 21 | 7 15 | 0 41 | 2 41 | 2 41 | 23 19 | 0 7 | 6 9 | 2 21 | 15 41 | 0 51 | 6 44 | 2 2 | 32 53 | 17 33 | 1 9 | 1 31 | 27 42 | | | n.a. |
| T 24 | 5 42 | 24 17 | 4 32 | 2 5 | 0 32 | 7 45 | 0 44 | 2 46 | 2 39 | 23 20 | 0 7 | 6 5 | 2 21 | 15 42 | 0 51 | 6 44 | 2 2 | 32 54 | 17 33 | 1 8 | 1 30 | 27 43 | | | n.a. |
| W25 | 5 19 | 20 8 | 3 51 | 1 4 | 0 43 | 8 16 | 0 47 | 2 52 | 2 37 | 23 20 | 0 7 | 6 2 | 2 21 | 15 43 | 0 51 | 6 43 | 2 2 | 32 54 | 17 33 | 1 7 | 1 29 | 27 45 | | | n.a. |
| T 26 | 4 56 | 14 57 | 2 57 | 0 4 | 0 53 | 8 46 | 0 50 | 2 57 | 2 35 | 23 21 | 0 8 | 5 59 | 2 21 | 15 43 | 0 51 | 6 43 | 2 2 | 32 54 | 17 32 | 1 7 | 1 27 | 27 46 | | | n.a. |
| F 27 | 4 33 | 8 59 | 1 53 | 0n55 | 1 4 | 9 17 | 0 53 | 3 2 | 2 33 | 23 22 | 0 8 | 5 56 | 2 21 | 15 44 | 0 51 | 6 42 | 2 2 | 32 54 | 17 32 | 1 6 | 1 26 | 27 47 | | | n.a. |
| S 28 | 4 10 | 2 29 | 0 40 | 1 53 | 1 14 | 9 47 | 0 56 | 3 8 | 2 31 | 23 22 | 0 8 | 5 53 | 2 21 | 15 45 | 0 51 | 6 42 | 2 2 | 32 54 | 17 32 | 1 6 | 1 25 | 27 48 | | | n.a. |
| S 29 | 3 47 | 4s15 | 0s36 | 2 50 | 1 23 | 10 16 | 0 59 | 3 14 | 2 29 | 23 23 | 0 8 | 5 49 | 2 21 | 15 45 | 0 51 | 6 41 | 2 2 | 32 55 | 17 32 | 1 6 | 1 24 | 27 49 | | | n.a. |
| M30 | 3 24 | 10 54 | 1 51 | 3 46 | 1 33 | 10 46 | 1 2 | 3 19 | 2 27 | 23 24 | 0 8 | 5 46 | 2 21 | 15 46 | 0 51 | 6 40 | 2 2 | 32 55 | 17 31 | 1 6 | 1 22 | 27 50 | | | n.a. |
| T 31 | 3s 1 | 17s 3 | 3s 0 | 4n40 | 1n41 | 11n15 | 1n 5 | 3n25 | 2n24 | 23s24 | 0s 8 | 5s43 | 2s21 | 15n47 | 0n51 | 6s40 | 2n 2 | 32n55 | 17n31 | 1n 6 | 1n21 | 27n51 | | | n.a. |

Julian Day Number = 999017.5, Delta T = 12h53m26s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'32, Lahiri = -31°13'31 Julian Calendar 1 March 1978 BCE == Greg. Calendar 12 Feb. 1978 BCE


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## APRIL 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 28 26 | 23♓30'35 | 21♏33 | 9♈33 | 27♈11 | 26°R40 | 16♐59 | 21♓18 | 20°R22 | 21°R28 | 16°R 3 | 2♈44 | 3♈17 | 14♊43 | n.a. | W 1 |
| T 2 | 11 32 23 | 24°28'09 | 5♐50 | 11°21 | 28°23 | 26♍20 | 17° 3 | 21°26 | 20♌20 | 21♎26 | 16♌ 2 | 2°45 | 3°14 | 14°50 | n.a. | T 2 |
| F 3 | 11 36 19 | 25°25'41 | 20° 6 | 13° 7 | 29°34 | 25°59 | 17° 7 | 21°34 | 20°18 | 21°25 | 16° 1 | 2°R45 | 3°10 | 14°56 | n.a. | F 3 |
| S 4 | 11 40 16 | 26°23'12 | 4♑19 | 14°49 | 0♉44 | 25°39 | 17°11 | 21°42 | 20°16 | 21°24 | 16° 0 | 2°45 | 3° 7 | 15° 3 | n.a. | S 4 |
| S 5 | 11 44 13 | 27°20'42 | 18°26 | 16°28 | 1°55 | 25°18 | 17°14 | 21°50 | 20°14 | 21°22 | 15°59 | 2°45 | 3° 4 | 15°10 | n.a. | S 5 |
| M 6 | 11 48 9 | 28°18'11 | 2♒25 | 18° 3 | 3° 6 | 24°58 | 17°18 | 21°57 | 20°12 | 21°21 | 15°57 | 2°44 | 3° 1 | 15°17 | n.a. | M 6 |
| T 7 | 11 52 6 | 29°15'39 | 16°15 | 19°36 | 4°17 | 24°37 | 17°21 | 22° 5 | 20°10 | 21°19 | 15°56 | 2°44 | 2°58 | 15°23 | n.a. | T 7 |
| W 8 | 11 56 2 | 0♈13'06 | 29°52 | 21° 5 | 5°27 | 24°16 | 17°24 | 22°13 | 20° 9 | 21°18 | 15°55 | 2°44 | 2°55 | 15°30 | n.a. | W 8 |
| T 9 | 11 59 59 | 1°10'32 | 13♓16 | 22°31 | 6°38 | 23°56 | 17°27 | 22°21 | 20° 7 | 21°16 | 15°54 | 2°44 | 2°51 | 15°37 | n.a. | T 9 |
| F 10 | 12 3 55 | 2° 7'56 | 26°26 | 23°53 | 7°49 | 23°36 | 17°29 | 22°29 | 20° 5 | 21°15 | 15°53 | 2°43 | 2°48 | 15°43 | n.a. | F 10 |
| S 11 | 12 7 52 | 3° 5'20 | 9♈21 | 25°12 | 8°59 | 23°15 | 17°32 | 22°37 | 20° 3 | 21°13 | 15°52 | 2°43 | 2°45 | 15°50 | n.a. | S 11 |
| S 12 | 12 11 48 | 4° 2'42 | 22° 0 | 26°28 | 10° 9 | 22°55 | 17°34 | 22°45 | 20° 2 | 21°12 | 15°51 | 2°43 | 2°42 | 15°57 | n.a. | S 12 |
| M13 | 12 15 45 | 5° 0'04 | 4♉26 | 27°40 | 11°20 | 22°36 | 17°36 | 22°52 | 20° 0 | 21°10 | 15°50 | 2°43 | 2°39 | 16° 4 | n.a. | M13 |
| T 14 | 12 19 42 | 5°57'24 | 16°39 | 28°48 | 12°30 | 22°16 | 17°38 | 23° 0 | 19°59 | 21° 9 | 15°49 | 2°43 | 2°35 | 16°10 | n.a. | T 14 |
| W15 | 12 23 38 | 6°54'42 | 28°42 | 29°53 | 13°40 | 21°57 | 17°40 | 23° 8 | 19°57 | 21° 7 | 15°48 | 2°42 | 2°32 | 16°17 | n.a. | W15 |
| T 16 | 12 27 35 | 7°52'00 | 10♊38 | 0♉54 | 14°50 | 21°39 | 17°41 | 23°16 | 19°56 | 21° 6 | 15°48 | 2°42 | 2°29 | 16°24 | n.a. | T 16 |
| F 17 | 12 31 31 | 8°49'17 | 22°31 | 1°51 | 16° 0 | 21°21 | 17°42 | 23°23 | 19°54 | 21° 4 | 15°47 | 2°41 | 2°26 | 16°31 | n.a. | F 17 |
| S 18 | 12 35 28 | 9°46'32 | 4♋24 | 2°44 | 17°10 | 21° 3 | 17°43 | 23°31 | 19°53 | 21° 3 | 15°46 | 2°D41 | 2°23 | 16°37 | n.a. | S 18 |
| S 19 | 12 39 24 | 10°43'46 | 16°24 | 3°34 | 18°19 | 20°46 | 17°44 | 23°39 | 19°52 | 21° 1 | 15°45 | 2°41 | 2°20 | 16°44 | n.a. | S 19 |
| M20 | 12 43 21 | 11°40'59 | 28°33 | 4°19 | 19°29 | 20°29 | 17°45 | 23°47 | 19°50 | 20°59 | 15°44 | 2°42 | 2°16 | 16°51 | n.a. | M20 |
| T 21 | 12 47 17 | 12°38'11 | 10♌57 | 5° 0 | 20°38 | 20°13 | 17°46 | 23°54 | 19°49 | 20°58 | 15°44 | 2°42 | 2°13 | 16°57 | n.a. | T 21 |
| W22 | 12 51 14 | 13°35'22 | 23°39 | 5°37 | 21°48 | 19°58 | 17°46 | 24° 2 | 19°48 | 20°56 | 15°43 | 2°43 | 2°10 | 17° 4 | n.a. | W22 |
| T 23 | 12 55 11 | 14°32'32 | 6♍42 | 6°10 | 22°57 | 19°43 | 17°R46 | 24° 9 | 19°47 | 20°55 | 15°42 | 2°44 | 2° 7 | 17°11 | n.a. | T 23 |
| F 24 | 12 59 7 | 15°29'40 | 20° 8 | 6°39 | 24° 6 | 19°29 | 17°46 | 24°17 | 19°46 | 20°53 | 15°42 | 2°45 | 2° 4 | 17°18 | n.a. | F 24 |
| S 25 | 13 3 4 | 16°26'48 | 3♎56 | 7° 3 | 25°16 | 19°16 | 17°46 | 24°25 | 19°45 | 20°51 | 15°41 | 2°R45 | 2° 0 | 17°24 | n.a. | S 25 |
| S 26 | 13 7 0 | 17°23'56 | 18° 5 | 7°22 | 26°25 | 19° 3 | 17°46 | 24°32 | 19°44 | 20°50 | 15°40 | 2°45 | 1°57 | 17°31 | n.a. | S 26 |
| M27 | 13 10 57 | 18°21'02 | 2♏31 | 7°37 | 27°34 | 18°51 | 17°45 | 24°40 | 19°43 | 20°48 | 15°40 | 2°44 | 1°54 | 17°38 | n.a. | M27 |
| T 28 | 13 14 53 | 19°18'08 | 17° 7 | 7°48 | 28°42 | 18°40 | 17°44 | 24°47 | 19°42 | 20°46 | 15°39 | 2°42 | 1°51 | 17°44 | n.a. | T 28 |
| W29 | 13 18 50 | 20°15'14 | 1♐48 | 7°54 | 29°51 | 18°30 | 17°43 | 24°54 | 19°41 | 20°45 | 15°39 | 2°40 | 1°48 | 17°51 | n.a. | W29 |
| T 30 | 13 22 46 | 21♈12'19 | 16♐26 | 7°R55 | 1♊ 0 | 18♍20 | 17♐42 | 25♓ 2 | 19♌40 | 20♎43 | 15♌38 | 2♈38 | 1♈45 | 17♊58 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 2s38 | 22s21 | 3s58 | 5n32 | 1n50 | 11n44 | 1n 8 | 3n31 | 2n22 | 23s25 | 0s 9 | 5s40 | 2s21 | 15n47 | 0n51 | 6s39 | 2n 2 | 32n55 | 17n31 | 1n 7 | 1n20 | 27n52 | | n.a. |
| T 2 | 2 14 | 26 21 | 4 42 | 6 22 | 1 57 | 12 13 | 1 11 | 3 37 | 2 19 | 23 26 | 0 9 | 5 37 | 2 21 | 15 48 | 0 51 | 6 39 | 2 2 | 32 55 | 17 30 | 1 7 | 1 18 | 27 53 | | n.a. |
| F 3 | 1 51 | 28 41 | 5 9 | 7 11 | 2 4 | 12 41 | 1 14 | 3 42 | 2 17 | 23 26 | 0 9 | 5 34 | 2 21 | 15 49 | 0 50 | 6 38 | 2 2 | 32 55 | 17 30 | 1 7 | 1 17 | 27 55 | | n.a. |
| S 4 | 1 28 | 29 7 | 5 16 | 7 57 | 2 10 | 13 9 | 1 17 | 3 48 | 2 14 | 23 27 | 0 9 | 5 30 | 2 21 | 15 49 | 0 50 | 6 38 | 2 2 | 32 55 | 17 30 | 1 7 | 1 16 | 27 56 | | n.a. |
| S 5 | 1 5 | 27 39 | 5 5 | 8 41 | 2 16 | 13 37 | 1 19 | 3 54 | 2 11 | 23 27 | 0 9 | 5 27 | 2 21 | 15 50 | 0 50 | 6 37 | 2 2 | 32 55 | 17 29 | 1 7 | 1 15 | 27 57 | | n.a. |
| M 6 | 0 41 | 24 29 | 4 35 | 9 23 | 2 21 | 14 5 | 1 22 | 4 0 | 2 8 | 23 28 | 0 9 | 5 24 | 2 21 | 15 50 | 0 50 | 6 37 | 2 2 | 32 55 | 17 29 | 1 7 | 1 13 | 27 58 | | n.a. |
| T 7 | 0 18 | 19 56 | 3 50 | 10 3 | 2 25 | 14 32 | 1 25 | 4 5 | 2 5 | 23 28 | 0 10 | 5 21 | 2 21 | 15 51 | 0 50 | 6 36 | 2 2 | 32 55 | 17 29 | 1 7 | 1 12 | 27 59 | | n.a. |
| W 8 | 0n 5 | 14 25 | 2 52 | 10 41 | 2 29 | 14 59 | 1 27 | 4 11 | 2 2 | 23 29 | 0 10 | 5 18 | 2 21 | 15 51 | 0 50 | 6 35 | 2 2 | 32 55 | 17 28 | 1 6 | 1 11 | 28 0 | | n.a. |
| T 9 | 0 29 | 8 20 | 1 46 | 11 16 | 2 31 | 15 25 | 1 30 | 4 16 | 1 59 | 23 29 | 0 10 | 5 15 | 2 21 | 15 52 | 0 50 | 6 35 | 2 2 | 32 55 | 17 28 | 1 6 | 1 9 | 28 1 | | n.a. |
| F 10 | 0 52 | 1 59 | 0 35 | 11 49 | 2 33 | 15 51 | 1 33 | 4 22 | 1 56 | 23 29 | 0 10 | 5 11 | 2 21 | 15 53 | 0 50 | 6 34 | 2 2 | 32 55 | 17 27 | 1 6 | 1 8 | 28 2 | | n.a. |
| S 11 | 1 15 | 4n20 | 0n37 | 12 20 | 2 34 | 16 17 | 1 35 | 4 27 | 1 53 | 23 30 | 0 10 | 5 8 | 2 21 | 15 53 | 0 50 | 6 34 | 2 2 | 32 55 | 17 27 | 1 6 | 1 7 | 28 3 | | n.a. |
| S 12 | 1 38 | 10 21 | 1 45 | 12 48 | 2 35 | 16 42 | 1 38 | 4 32 | 1 50 | 23 30 | 0 11 | 5 5 | 2 21 | 15 54 | 0 50 | 6 33 | 2 2 | 32 55 | 17 27 | 1 6 | 1 6 | 28 4 | | n.a. |
| M13 | 2 2 | 15 52 | 2 47 | 13 15 | 2 34 | 17 7 | 1 40 | 4 37 | 1 46 | 23 31 | 0 11 | 5 2 | 2 21 | 15 54 | 0 50 | 6 32 | 2 2 | 32 55 | 17 26 | 1 6 | 1 4 | 28 5 | | n.a. |
| T 14 | 2 25 | 20 39 | 3 40 | 13 38 | 2 33 | 17 31 | 1 43 | 4 42 | 1 43 | 23 31 | 0 11 | 4 59 | 2 21 | 15 54 | 0 50 | 6 32 | 2 2 | 32 55 | 17 26 | 1 6 | 1 3 | 28 6 | | n.a. |
| W15 | 2 48 | 24 32 | 4 23 | 14 0 | 2 31 | 17 55 | 1 45 | 4 46 | 1 40 | 23 31 | 0 11 | 4 56 | 2 21 | 15 55 | 0 50 | 6 31 | 2 2 | 32 55 | 17 25 | 1 6 | 1 2 | 28 7 | | n.a. |
| T 16 | 3 11 | 27 20 | 4 53 | 14 19 | 2 28 | 18 19 | 1 47 | 4 51 | 1 36 | 23 32 | 0 11 | 4 53 | 2 21 | 15 55 | 0 50 | 6 31 | 2 2 | 32 55 | 17 25 | 1 6 | 1 0 | 28 8 | | n.a. |
| F 17 | 3 34 | 28 53 | 5 11 | 14 36 | 2 24 | 18 42 | 1 49 | 4 55 | 1 33 | 23 32 | 0 11 | 4 50 | 2 21 | 15 56 | 0 50 | 6 30 | 2 2 | 32 55 | 17 24 | 1 5 | 0 59 | 28 9 | | n.a. |
| S 18 | 3 57 | 29 7 | 5 16 | 14 50 | 2 19 | 19 5 | 1 52 | 4 59 | 1 30 | 23 32 | 0 12 | 4 47 | 2 21 | 15 56 | 0 50 | 6 29 | 2 2 | 32 55 | 17 24 | 1 5 | 0 58 | 28 10 | | n.a. |
| S 19 | 4 20 | 27 59 | 5 7 | 15 2 | 2 13 | 19 27 | 1 54 | 5 3 | 1 26 | 23 33 | 0 12 | 4 44 | 2 21 | 15 57 | 0 50 | 6 29 | 2 2 | 32 54 | 17 24 | 1 5 | 0 57 | 28 11 | | n.a. |
| M20 | 4 43 | 25 31 | 4 45 | 15 12 | 2 7 | 19 49 | 1 56 | 5 6 | 1 23 | 23 33 | 0 12 | 4 40 | 2 21 | 15 57 | 0 50 | 6 28 | 2 2 | 32 54 | 17 23 | 1 5 | 0 55 | 28 12 | | n.a. |
| T 21 | 5 5 | 21 49 | 4 9 | 15 19 | 1 59 | 20 10 | 1 58 | 5 9 | 1 19 | 23 33 | 0 12 | 4 37 | 2 21 | 15 57 | 0 50 | 6 28 | 2 2 | 32 54 | 17 23 | 1 6 | 0 54 | 28 13 | | n.a. |
| W22 | 5 28 | 17 2 | 3 20 | 15 24 | 1 51 | 20 30 | 2 0 | 5 12 | 1 16 | 23 33 | 0 12 | 4 34 | 2 21 | 15 58 | 0 50 | 6 27 | 2 2 | 32 54 | 17 22 | 1 6 | 0 53 | 28 13 | | n.a. |
| T 23 | 5 51 | 11 22 | 2 19 | 15 27 | 1 42 | 20 51 | 2 2 | 5 15 | 1 12 | 23 33 | 0 13 | 4 31 | 2 22 | 15 58 | 0 50 | 6 26 | 2 2 | 32 54 | 17 22 | 1 7 | 0 51 | 28 14 | | n.a. |
| F 24 | 6 13 | 5 2 | 1 9 | 15 27 | 1 32 | 21 10 | 2 3 | 5 17 | 1 9 | 23 34 | 0 13 | 4 28 | 2 22 | 15 58 | 0 50 | 6 26 | 2 2 | 32 53 | 17 21 | 1 7 | 0 50 | 28 15 | | n.a. |
| S 25 | 6 36 | 1s42 | 0s 7 | 15 25 | 1 21 | 21 29 | 2 5 | 5 20 | 1 5 | 23 34 | 0 13 | 4 25 | 2 22 | 15 59 | 0 50 | 6 25 | 2 2 | 32 53 | 17 21 | 1 7 | 0 49 | 28 16 | | n.a. |
| S 26 | 6 58 | 8 31 | 1 24 | 15 21 | 1 10 | 21 48 | 2 7 | 5 21 | 1 2 | 23 34 | 0 13 | 4 22 | 2 22 | 15 59 | 0 50 | 6 25 | 2 2 | 32 53 | 17 20 | 1 7 | 0 48 | 28 17 | | n.a. |
| M27 | 7 20 | 15 2 | 2 37 | 15 14 | 0 57 | 22 6 | 2 8 | 5 23 | 0 58 | 23 34 | 0 13 | 4 20 | 2 22 | 15 59 | 0 50 | 6 24 | 2 2 | 32 53 | 17 20 | 1 6 | 0 46 | 28 18 | | n.a. |
| T 28 | 7 42 | 20 48 | 3 41 | 15 5 | 0 44 | 22 23 | 2 10 | 5 24 | 0 55 | 23 34 | 0 14 | 4 17 | 2 22 | 15 59 | 0 50 | 6 23 | 2 2 | 32 52 | 17 19 | 1 6 | 0 45 | 28 19 | | n.a. |
| W29 | 8 4 | 25 21 | 4 30 | 14 54 | 0 30 | 22 40 | 2 11 | 5 25 | 0 51 | 23 34 | 0 14 | 4 14 | 2 22 | 16 0 | 0 50 | 6 23 | 2 2 | 32 52 | 17 19 | 1 5 | 0 44 | 28 20 | | n.a. |
| T 30 | 8n26 | 28s14 | 5s 2 | 14n41 | 0n16 | 22n56 | 2n13 | 5n26 | 0n48 | 23s34 | 0s14 | 4s11 | 2s22 | 16n 0 | 0n50 | 6s22 | 2n 2 | 32n52 | 17n18 | 1n 4 | 0n42 | 28n21 | | n.a. |

Julian Day Number = 999048.5, Delta T = 12h53m24s
Ecliptic obliquity = 23°55'29, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'27, Lahiri = -31°13'27 Julian Calendar 1 Apr. 1978 BCE == Greg. Calendar 15 March 1978 BCE


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## MAY 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 26 43 | 22♈ 9'25 | 0♉57 | 7°R52 | 2♊ 8 | 18°R11 | 17°R41 | 25♓ 9 | 19°R39 | 20°R42 | 15°R38 | 2°R36 | 1♈41 | 18♊ 5 | n.a. | F 1 |
| S 2 | 13 30 40 | 23° 6'30 | 15°15 | 7♉45 | 3°17 | 18♍ 3 | 17♐39 | 25°17 | 19♌39 | 20♎40 | 15♌38 | 2♈35 | 1°38 | 18°11 | n.a. | S 2 |
| S 3 | 13 34 36 | 24° 3'35 | 29°18 | 7°33 | 4°25 | 17°56 | 17°37 | 25°24 | 19°38 | 20°38 | 15°37 | 2°D35 | 1°35 | 18°18 | n.a. | S 3 |
| M 4 | 13 38 33 | 25° 0'39 | 13♒ 5 | 7°17 | 5°33 | 17°49 | 17°36 | 25°31 | 19°37 | 20°37 | 15°37 | 2°35 | 1°32 | 18°25 | n.a. | M 4 |
| T 5 | 13 42 29 | 25°57'44 | 26°36 | 6°58 | 6°41 | 17°44 | 17°33 | 25°38 | 19°37 | 20°35 | 15°37 | 2°37 | 1°29 | 18°31 | n.a. | T 5 |
| W 6 | 13 46 26 | 26°54'49 | 9♓51 | 6°35 | 7°49 | 17°39 | 17°31 | 25°46 | 19°36 | 20°34 | 15°36 | 2°38 | 1°26 | 18°38 | n.a. | W 6 |
| T 7 | 13 50 22 | 27°51'53 | 22°52 | 6° 8 | 8°57 | 17°35 | 17°29 | 25°53 | 19°36 | 20°32 | 15°36 | 2°39 | 1°22 | 18°45 | n.a. | T 7 |
| F 8 | 13 54 19 | 28°48'57 | 5♈39 | 5°39 | 10° 4 | 17°32 | 17°26 | 26° 0 | 19°36 | 20°30 | 15°36 | 2°R40 | 1°19 | 18°52 | n.a. | F 8 |
| S 9 | 13 58 16 | 29°46'01 | 18°15 | 5° 8 | 11°12 | 17°30 | 17°23 | 26° 7 | 19°35 | 20°29 | 15°36 | 2°39 | 1°16 | 18°58 | n.a. | S 9 |
| S 10 | 14 2 12 | 0♉43'05 | 0♉39 | 4°35 | 12°19 | 17°28 | 17°20 | 26°14 | 19°35 | 20°27 | 15°36 | 2°36 | 1°13 | 19° 5 | n.a. | S 10 |
| M11 | 14 6 9 | 1°40'09 | 12°53 | 4° 0 | 13°27 | 17°D28 | 17°17 | 26°21 | 19°35 | 20°26 | 15°35 | 2°33 | 1°10 | 19°12 | n.a. | M11 |
| T 12 | 14 10 5 | 2°37'13 | 24°59 | 3°25 | 14°34 | 17°28 | 17°14 | 26°28 | 19°34 | 20°24 | 15°35 | 2°28 | 1° 6 | 19°19 | n.a. | T 12 |
| W13 | 14 14 2 | 3°34'16 | 6♊58 | 2°50 | 15°41 | 17°29 | 17°10 | 26°35 | 19°34 | 20°22 | 15°D35 | 2°23 | 1° 3 | 19°25 | n.a. | W13 |
| T 14 | 14 17 58 | 4°31'20 | 18°52 | 2°16 | 16°48 | 17°31 | 17° 6 | 26°42 | 19°34 | 20°21 | 15°35 | 2°17 | 1° 0 | 19°32 | n.a. | T 14 |
| F 15 | 14 21 55 | 5°28'23 | 0♋44 | 1°42 | 17°54 | 17°33 | 17° 2 | 26°48 | 19°D34 | 20°19 | 15°35 | 2°13 | 0°57 | 19°39 | n.a. | F 15 |
| S 16 | 14 25 52 | 6°25'26 | 12°37 | 1°10 | 19° 1 | 17°37 | 16°58 | 26°55 | 19°34 | 20°18 | 15°35 | 2° 9 | 0°54 | 19°45 | n.a. | S 16 |
| S 17 | 14 29 48 | 7°22'29 | 24°34 | 0°41 | 20° 7 | 17°41 | 16°54 | 27° 2 | 19°34 | 20°16 | 15°36 | 2° 6 | 0°51 | 19°52 | n.a. | S 17 |
| M18 | 14 33 45 | 8°19'31 | 6♌41 | 0°14 | 21°14 | 17°46 | 16°50 | 27° 9 | 19°34 | 20°15 | 15°36 | 2°D 6 | 0°47 | 19°59 | n.a. | M18 |
| T 19 | 14 37 41 | 9°16'34 | 19° 2 | 29♈51 | 22°20 | 17°52 | 16°45 | 27°15 | 19°35 | 20°13 | 15°36 | 2° 6 | 0°44 | 20° 6 | n.a. | T 19 |
| W20 | 14 41 38 | 10°13'36 | 1♍42 | 29°31 | 23°25 | 17°59 | 16°40 | 27°22 | 19°35 | 20°12 | 15°36 | 2° 7 | 0°41 | 20°12 | n.a. | W20 |
| T 21 | 14 45 34 | 11°10'38 | 14°44 | 29°15 | 24°31 | 18° 7 | 16°36 | 27°28 | 19°35 | 20°10 | 15°36 | 2° 9 | 0°38 | 20°19 | n.a. | T 21 |
| F 22 | 14 49 31 | 12° 7'40 | 28°12 | 29° 3 | 25°37 | 18°15 | 16°30 | 27°35 | 19°36 | 20° 9 | 15°37 | 2°R10 | 0°35 | 20°26 | n.a. | F 22 |
| S 23 | 14 53 27 | 13° 4'42 | 12♎ 7 | 28°56 | 26°42 | 18°24 | 16°25 | 27°41 | 19°36 | 20° 7 | 15°37 | 2° 9 | 0°32 | 20°32 | n.a. | S 23 |
| S 24 | 14 57 24 | 14° 1'44 | 26°27 | 28°D54 | 27°47 | 18°34 | 16°20 | 27°47 | 19°36 | 20° 6 | 15°37 | 2° 7 | 0°28 | 20°39 | n.a. | S 24 |
| M25 | 15 1 21 | 14°58'47 | 11♏10 | 28°57 | 28°52 | 18°44 | 16°14 | 27°54 | 19°37 | 20° 4 | 15°38 | 2° 3 | 0°25 | 20°46 | n.a. | M25 |
| T 26 | 15 5 17 | 15°55'50 | 26° 9 | 29° 5 | 29°57 | 18°55 | 16° 9 | 28° 0 | 19°37 | 20° 3 | 15°38 | 1°58 | 0°22 | 20°53 | n.a. | T 26 |
| W27 | 15 9 14 | 16°52'53 | 11♐13 | 29°19 | 1♋ 1 | 19° 7 | 16° 3 | 28° 6 | 19°38 | 20° 2 | 15°38 | 1°51 | 0°19 | 20°59 | n.a. | W27 |
| T 28 | 15 13 10 | 17°49'57 | 26°15 | 29°37 | 2° 6 | 19°19 | 15°57 | 28°12 | 19°39 | 20° 0 | 15°39 | 1°45 | 0°16 | 21° 6 | n.a. | T 28 |
| F 29 | 15 17 7 | 18°47'02 | 11♑ 5 | 0♉ 1 | 3°10 | 19°33 | 15°51 | 28°18 | 19°39 | 19°59 | 15°39 | 1°39 | 0°12 | 21°13 | n.a. | F 29 |
| S 30 | 15 21 3 | 19°44'07 | 25°36 | 0°30 | 4°14 | 19°46 | 15°45 | 28°24 | 19°40 | 19°58 | 15°40 | 1°35 | 0° 9 | 21°20 | n.a. | S 30 |
| S 31 | 15 25 0 | 20♉41'14 | 9♒45 | 1♉ 4 | 5♋17 | 20♍ 1 | 15♐39 | 28♓30 | 19♌41 | 19♎56 | 15♌40 | 1♈33 | 0♈ 6 | 21♊26 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 8n48 | 29s10 | 5s15 | 14n25 | 0n 1 | 23n12 | 2n14 | 5n26 | 0n44 | 23s34 | 0s14 | 4s 8 | 2s22 | 16n 0 | 0n50 | 6s21 | 2n 2 | 32n51 | 17n18 | 1n 3 | 0n41 | 28n21 | | n.a. |
| S 2 | 9 9 | 28 7 | 5 7 | 14 8 | 0s15 | 23 27 | 2 15 | 5 26 | 0 41 | 23 35 | 0 14 | 4 5 | 2 22 | 16 0 | 0 49 | 6 21 | 2 2 | 32 51 | 17 17 | 1 3 | 0 40 | 28 22 | | n.a. |
| S 3 | 9 31 | 25 17 | 4 41 | 13 49 | 0 31 | 23 41 | 2 16 | 5 26 | 0 37 | 23 35 | 0 15 | 4 2 | 2 22 | 16 0 | 0 49 | 6 20 | 2 2 | 32 51 | 17 17 | 1 3 | 0 39 | 28 23 | | n.a. |
| M 4 | 9 52 | 21 3 | 4 0 | 13 29 | 0 47 | 23 55 | 2 17 | 5 26 | 0 34 | 23 35 | 0 15 | 3 59 | 2 23 | 16 1 | 0 49 | 6 20 | 2 2 | 32 50 | 17 16 | 1 3 | 0 37 | 28 24 | | n.a. |
| T 5 | 10 14 | 15 48 | 3 5 | 13 7 | 1 4 | 24 8 | 2 18 | 5 25 | 0 31 | 23 35 | 0 15 | 3 56 | 2 23 | 16 1 | 0 49 | 6 19 | 2 2 | 32 50 | 17 16 | 1 4 | 0 36 | 28 25 | | n.a. |
| W 6 | 10 35 | 9 55 | 2 2 | 12 43 | 1 20 | 24 20 | 2 19 | 5 24 | 0 27 | 23 35 | 0 15 | 3 54 | 2 23 | 16 1 | 0 49 | 6 18 | 2 2 | 32 50 | 17 15 | 1 4 | 0 35 | 28 26 | | n.a. |
| T 7 | 10 56 | 3 42 | 0 54 | 12 19 | 1 37 | 24 32 | 2 20 | 5 22 | 0 24 | 23 35 | 0 15 | 3 51 | 2 23 | 16 1 | 0 49 | 6 18 | 2 2 | 32 49 | 17 15 | 1 5 | 0 33 | 28 26 | | n.a. |
| F 8 | 11 16 | 2n32 | 0n16 | 11 54 | 1 53 | 24 43 | 2 20 | 5 21 | 0 21 | 23 34 | 0 16 | 3 48 | 2 23 | 16 1 | 0 49 | 6 17 | 2 2 | 32 49 | 17 14 | 1 5 | 0 32 | 28 27 | | n.a. |
| S 9 | 11 37 | 8 35 | 1 24 | 11 28 | 2 9 | 24 54 | 2 21 | 5 19 | 0 18 | 23 34 | 0 16 | 3 45 | 2 23 | 16 1 | 0 49 | 6 17 | 2 2 | 32 48 | 17 14 | 1 4 | 0 31 | 28 28 | | n.a. |
| S 10 | 11 57 | 14 13 | 2 27 | 11 3 | 2 25 | 25 4 | 2 21 | 5 16 | 0 15 | 23 34 | 0 16 | 3 43 | 2 23 | 16 1 | 0 49 | 6 16 | 2 2 | 32 48 | 17 13 | 1 3 | 0 30 | 28 29 | | n.a. |
| M11 | 12 18 | 19 14 | 3 22 | 10 37 | 2 39 | 25 13 | 2 21 | 5 14 | 0 11 | 23 34 | 0 16 | 3 40 | 2 23 | 16 1 | 0 49 | 6 15 | 2 2 | 32 47 | 17 13 | 1 2 | 0 28 | 28 29 | | n.a. |
| T 12 | 12 38 | 23 24 | 4 8 | 10 12 | 2 53 | 25 21 | 2 22 | 5 11 | 0 8 | 23 34 | 0 16 | 3 37 | 2 24 | 16 1 | 0 49 | 6 15 | 2 2 | 32 47 | 17 12 | 1 0 | 0 27 | 28 30 | | n.a. |
| W13 | 12 58 | 26 32 | 4 41 | 9 48 | 3 6 | 25 29 | 2 22 | 5 7 | 0 5 | 23 34 | 0 17 | 3 35 | 2 24 | 16 1 | 0 49 | 6 14 | 2 2 | 32 46 | 17 12 | 0 58 | 0 26 | 28 31 | | n.a. |
| T 14 | 13 17 | 28 28 | 5 3 | 9 24 | 3 18 | 25 36 | 2 22 | 5 4 | 0 2 | 23 34 | 0 17 | 3 32 | 2 24 | 16 1 | 0 49 | 6 14 | 2 2 | 32 46 | 17 11 | 0 56 | 0 24 | 28 32 | | n.a. |
| F 15 | 13 37 | 29 6 | 5 11 | 9 3 | 3 29 | 25 43 | 2 22 | 5 0 | 0s 1 | 23 34 | 0 17 | 3 29 | 2 24 | 16 1 | 0 49 | 6 13 | 2 2 | 32 45 | 17 11 | 0 54 | 0 23 | 28 32 | | n.a. |
| S 16 | 13 56 | 28 23 | 5 6 | 8 43 | 3 38 | 25 48 | 2 21 | 4 56 | 0 4 | 23 33 | 0 17 | 3 27 | 2 24 | 16 1 | 0 49 | 6 13 | 2 2 | 32 45 | 17 10 | 0 52 | 0 22 | 28 33 | | n.a. |
| S 17 | 14 15 | 26 21 | 4 48 | 8 25 | 3 47 | 25 54 | 2 21 | 4 52 | 0 6 | 23 33 | 0 17 | 3 24 | 2 24 | 16 1 | 0 49 | 6 12 | 2 2 | 32 44 | 17 9 | 0 51 | 0 21 | 28 34 | | n.a. |
| M18 | 14 34 | 23 6 | 4 16 | 8 9 | 3 53 | 25 58 | 2 21 | 4 47 | 0 9 | 23 33 | 0 18 | 3 21 | 2 24 | 16 1 | 0 49 | 6 11 | 2 2 | 32 44 | 17 9 | 0 51 | 0 19 | 28 35 | | n.a. |
| T 19 | 14 53 | 18 47 | 3 33 | 7 56 | 3 59 | 26 2 | 2 20 | 4 42 | 0 12 | 23 33 | 0 18 | 3 19 | 2 25 | 16 1 | 0 49 | 6 11 | 2 2 | 32 43 | 17 8 | 0 51 | 0 18 | 28 35 | | n.a. |
| W20 | 15 11 | 13 32 | 2 38 | 7 45 | 4 3 | 26 5 | 2 19 | 4 37 | 0 15 | 23 32 | 0 18 | 3 16 | 2 25 | 16 1 | 0 49 | 6 10 | 2 2 | 32 43 | 17 8 | 0 52 | 0 17 | 28 36 | | n.a. |
| T 21 | 15 29 | 7 33 | 1 33 | 7 37 | 4 5 | 26 7 | 2 19 | 4 31 | 0 18 | 23 32 | 0 18 | 3 14 | 2 25 | 16 1 | 0 49 | 6 10 | 2 2 | 32 42 | 17 7 | 0 52 | 0 15 | 28 37 | | n.a. |
| F 22 | 15 47 | 1 4 | 0 22 | 7 31 | 4 7 | 26 9 | 2 18 | 4 26 | 0 20 | 23 32 | 0 18 | 3 11 | 2 25 | 16 1 | 0 49 | 6 9 | 2 2 | 32 41 | 17 7 | 0 53 | 0 14 | 28 37 | | n.a. |
| S 23 | 16 5 | 5s42 | 0s54 | 7 29 | 4 7 | 26 9 | 2 17 | 4 20 | 0 23 | 23 31 | 0 19 | 3 9 | 2 25 | 16 0 | 0 49 | 6 9 | 2 2 | 32 41 | 17 6 | 0 52 | 0 13 | 28 38 | | n.a. |
| S 24 | 16 22 | 12 23 | 2 8 | 7 29 | 4 5 | 26 10 | 2 15 | 4 14 | 0 25 | 23 31 | 0 19 | 3 7 | 2 25 | 16 0 | 0 49 | 6 8 | 2 2 | 32 40 | 17 6 | 0 52 | 0 11 | 28 39 | | n.a. |
| M25 | 16 39 | 18 34 | 3 15 | 7 33 | 4 3 | 26 9 | 2 14 | 4 7 | 0 28 | 23 31 | 0 19 | 3 4 | 2 26 | 16 0 | 0 48 | 6 8 | 2 2 | 32 40 | 17 5 | 0 50 | 0 10 | 28 39 | | n.a. |
| T 26 | 16 56 | 23 43 | 4 10 | 7 39 | 3 59 | 26 8 | 2 13 | 4 0 | 0 30 | 23 30 | 0 19 | 3 2 | 2 26 | 16 0 | 0 48 | 6 7 | 2 2 | 32 39 | 17 5 | 0 48 | 0 9 | 28 40 | | n.a. |
| W27 | 17 13 | 27 20 | 4 48 | 7 49 | 3 54 | 26 6 | 2 11 | 3 53 | 0 33 | 23 30 | 0 19 | 3 0 | 2 26 | 16 0 | 0 48 | 6 7 | 2 2 | 32 38 | 17 4 | 0 45 | 0 8 | 28 41 | | n.a. |
| T 28 | 17 29 | 28 58 | 5 6 | 8 1 | 3 48 | 26 4 | 2 9 | 3 46 | 0 35 | 23 29 | 0 20 | 2 57 | 2 26 | 15 59 | 0 48 | 6 6 | 2 2 | 32 38 | 17 4 | 0 43 | 0 6 | 28 41 | | n.a. |
| F 29 | 17 46 | 28 30 | 5 4 | 8 15 | 3 41 | 26 1 | 2 8 | 3 39 | 0 38 | 23 29 | 0 20 | 2 55 | 2 26 | 15 59 | 0 48 | 6 6 | 2 2 | 32 37 | 17 3 | 0 40 | 0 5 | 28 42 | | n.a. |
| S 30 | 18 2 | 26 3 | 4 41 | 8 33 | 3 34 | 25 57 | 2 6 | 3 31 | 0 40 | 23 29 | 0 20 | 2 53 | 2 26 | 15 59 | 0 48 | 6 5 | 2 1 | 32 36 | 17 3 | 0 39 | 0 4 | 28 42 | | n.a. |
| S 31 | 18n17 | 22s 3 | 4s 2 | 8n53 | 3s25 | 25n52 | 2n 4 | 3n23 | 0s42 | 23s28 | 0s20 | 2s51 | 2s27 | 15n58 | 0n48 | 6s 5 | 2n 1 | 32n36 | 17n 2 | 0n38 | 0n 2 | 28n43 | | n.a. |

Julian Day Number = 999078.5, Delta T = 12h53m22s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'23, Lahiri = -31°13'23 Julian Calendar 1 May 1978 BCE == Greg. Calendar 14 Apr. 1978 BCE

The year -1977 astronomical counting style corresponds to year 1978 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## JUNE 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 28 57 | 21♉38'21 | 23♒30 | 1♉44 | 6♋21 | 20♍16 | 15°R32 | 28♓36 | 19♌42 | 19°R55 | 15♌41 | 1°D32 | 0♈ 3 | 21♊33 | n.a. | M 1 |
| T 2 | 15 32 53 | 22°35'28 | 6♓52 | 2°28 | 7°24 | 20°32 | 15♐26 | 28°42 | 19°43 | 19♎54 | 15°42 | 1♈33 | 29♓59 | 21°40 | n.a. | T 2 |
| W 3 | 15 36 50 | 23°32'37 | 19°55 | 3°18 | 8°27 | 20°48 | 15°19 | 28°47 | 19°44 | 19°52 | 15°42 | 1°34 | 29°57 | 21°46 | n.a. | W 3 |
| T 4 | 15 40 46 | 24°29'47 | 2♈40 | 4°13 | 9°30 | 21° 5 | 15°12 | 28°53 | 19°45 | 19°51 | 15°43 | 1°R35 | 29°53 | 21°53 | n.a. | T 4 |
| F 5 | 15 44 43 | 25°26'57 | 15°11 | 5°13 | 10°32 | 21°23 | 15° 6 | 28°58 | 19°46 | 19°50 | 15°44 | 1°34 | 29°50 | 22° 0 | n.a. | F 5 |
| S 6 | 15 48 39 | 26°24'09 | 27°30 | 6°18 | 11°34 | 21°41 | 14°59 | 29° 4 | 19°47 | 19°49 | 15°45 | 1°30 | 29°47 | 22° 7 | n.a. | S 6 |
| S 7 | 15 52 36 | 27°21'21 | 9♉41 | 7°28 | 12°36 | 22° 0 | 14°52 | 29° 9 | 19°48 | 19°47 | 15°45 | 1°25 | 29°44 | 22°13 | n.a. | S 7 |
| M 8 | 15 56 32 | 28°18'34 | 21°45 | 8°42 | 13°38 | 22°19 | 14°45 | 29°15 | 19°49 | 19°46 | 15°46 | 1°17 | 29°41 | 22°20 | n.a. | M 8 |
| T 9 | 16 0 29 | 29°15'48 | 3♊43 | 10° 2 | 14°39 | 22°39 | 14°37 | 29°20 | 19°51 | 19°45 | 15°47 | 1° 7 | 29°37 | 22°27 | n.a. | T 9 |
| W10 | 16 4 26 | 0♊13'03 | 15°38 | 11°26 | 15°40 | 22°59 | 14°30 | 29°25 | 19°52 | 19°44 | 15°48 | 0°56 | 29°34 | 22°33 | n.a. | W10 |
| T 11 | 16 8 22 | 1°10'19 | 27°30 | 12°54 | 16°41 | 23°20 | 14°23 | 29°30 | 19°53 | 19°43 | 15°49 | 0°45 | 29°31 | 22°40 | n.a. | T 11 |
| F 12 | 16 12 19 | 2° 7'36 | 9♋21 | 14°26 | 17°41 | 23°42 | 14°15 | 29°35 | 19°55 | 19°42 | 15°50 | 0°35 | 29°28 | 22°47 | n.a. | F 12 |
| S 13 | 16 16 15 | 3° 4'53 | 21°14 | 16° 3 | 18°42 | 24° 4 | 14° 8 | 29°40 | 19°56 | 19°41 | 15°51 | 0°26 | 29°25 | 22°54 | n.a. | S 13 |
| S 14 | 16 20 12 | 4° 2'12 | 3♌12 | 17°43 | 19°41 | 24°26 | 14° 0 | 29°45 | 19°58 | 19°40 | 15°52 | 0°19 | 29°22 | 23° 0 | n.a. | S 14 |
| M15 | 16 24 8 | 4°59'31 | 15°18 | 19°27 | 20°41 | 24°49 | 13°53 | 29°50 | 19°59 | 19°38 | 15°53 | 0°15 | 29°18 | 23° 7 | n.a. | M15 |
| T 16 | 16 28 5 | 5°56'51 | 27°36 | 21°15 | 21°40 | 25°13 | 13°45 | 29°55 | 20° 1 | 19°37 | 15°54 | 0°13 | 29°15 | 23°14 | n.a. | T 16 |
| W17 | 16 32 2 | 6°54'11 | 10♍11 | 23° 6 | 22°38 | 25°37 | 13°37 | 29°59 | 20° 2 | 19°37 | 15°55 | 0°D13 | 29°12 | 23°21 | n.a. | W17 |
| T 18 | 16 35 58 | 7°51'32 | 23° 8 | 24°59 | 23°37 | 26° 1 | 13°30 | 0♈ 4 | 20° 4 | 19°36 | 15°56 | 0°R13 | 29° 9 | 23°27 | n.a. | T 18 |
| F 19 | 16 39 55 | 8°48'55 | 6♎31 | 26°55 | 24°35 | 26°26 | 13°22 | 0° 8 | 20° 6 | 19°35 | 15°57 | 0°13 | 29° 6 | 23°34 | n.a. | F 19 |
| S 20 | 16 43 51 | 9°46'18 | 20°22 | 28°53 | 25°32 | 26°52 | 13°14 | 0°13 | 20° 8 | 19°34 | 15°58 | 0°12 | 29° 3 | 23°41 | n.a. | S 20 |
| S 21 | 16 47 48 | 10°43'42 | 4♏43 | 0♊53 | 26°29 | 27°18 | 13° 6 | 0°17 | 20°10 | 19°33 | 16° 0 | 0° 8 | 28°59 | 23°47 | n.a. | S 21 |
| M22 | 16 51 44 | 11°41'07 | 19°29 | 2°54 | 27°26 | 27°44 | 12°59 | 0°21 | 20°12 | 19°32 | 16° 1 | 0° 2 | 28°56 | 23°54 | n.a. | M22 |
| T 23 | 16 55 41 | 12°38'33 | 4♐37 | 4°57 | 28°22 | 28°10 | 12°51 | 0°26 | 20°13 | 19°31 | 16° 2 | 29♓53 | 28°53 | 24° 1 | n.a. | T 23 |
| W24 | 16 59 38 | 13°36'01 | 19°55 | 7° 0 | 29°17 | 28°37 | 12°43 | 0°30 | 20°15 | 19°30 | 16° 4 | 29°44 | 28°50 | 24° 8 | n.a. | W24 |
| T 25 | 17 3 34 | 14°33'30 | 5♑12 | 9° 4 | 0♌12 | 29° 5 | 12°35 | 0°34 | 20°17 | 19°30 | 16° 5 | 29°33 | 28°47 | 24°14 | n.a. | T 25 |
| F 26 | 17 7 31 | 15°31'01 | 20°18 | 11° 7 | 1° 7 | 29°33 | 12°27 | 0°37 | 20°20 | 19°29 | 16° 6 | 29°24 | 28°43 | 24°21 | n.a. | F 26 |
| S 27 | 17 11 27 | 16°28'33 | 5♒ 4 | 13°11 | 2° 1 | 0♎ 1 | 12°20 | 0°41 | 20°22 | 19°28 | 16° 8 | 29°17 | 28°40 | 24°28 | n.a. | S 27 |
| S 28 | 17 15 24 | 17°26'06 | 19°23 | 15°15 | 2°55 | 0°29 | 12°12 | 0°45 | 20°24 | 19°28 | 16° 9 | 29°12 | 28°37 | 24°35 | n.a. | S 28 |
| M29 | 17 19 20 | 18°23'42 | 3♓15 | 17°17 | 3°48 | 0°58 | 12° 4 | 0°48 | 20°26 | 19°27 | 16°11 | 29°10 | 28°34 | 24°41 | n.a. | M29 |
| T 30 | 17 23 17 | 19♊21'19 | 16♓38 | 19♊20 | 4♌40 | 1♎28 | 11♐56 | 0♈52 | 20♌28 | 19♎26 | 16♌12 | 29°D 9 | 28♓31 | 24♊48 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 18n32 | 16s57 | 3s10 | 9n16 | 3s16 | 25n47 | 2n 1 | 3n15 | 0s44 | 23s28 | 0s20 | 2s48 | 2s27 | 15n58 | 0n48 | 6s 4 | 2n 1 | 32n35 | 17n 1 | 0n37 | 0n 1 | 28n44 | | n.a. |
| T 2 | 18 47 | 11 9 | 2 9 | 9 41 | 3 6 | 25 41 | 1 59 | 3 7 | 0 47 | 23 27 | 0 21 | 2 46 | 2 27 | 15 58 | 0 48 | 6 4 | 2 1 | 32 34 | 17 1 | 0 38 | 0s 0 | 28 44 | | n.a. |
| W 3 | 19 2 | 5 2 | 1 2 | 10 8 | 2 55 | 25 35 | 1 56 | 2 58 | 0 49 | 23 26 | 0 21 | 2 44 | 2 27 | 15 57 | 0 48 | 6 3 | 2 1 | 32 34 | 17 0 | 0 38 | 0 1 | 28 45 | | n.a. |
| T 4 | 19 17 | 1n10 | 0n 6 | 10 37 | 2 44 | 25 28 | 1 54 | 2 50 | 0 51 | 23 26 | 0 21 | 2 42 | 2 27 | 15 57 | 0 48 | 6 3 | 2 1 | 32 33 | 17 0 | 0 38 | 0 3 | 28 45 | | n.a. |
| F 5 | 19 31 | 7 12 | 1 12 | 11 8 | 2 32 | 25 20 | 1 51 | 2 41 | 0 53 | 23 25 | 0 21 | 2 40 | 2 28 | 15 57 | 0 48 | 6 2 | 2 1 | 32 32 | 16 59 | 0 38 | 0 4 | 28 46 | | n.a. |
| S 6 | 19 44 | 12 53 | 2 14 | 11 41 | 2 20 | 25 12 | 1 48 | 2 31 | 0 55 | 23 25 | 0 21 | 2 38 | 2 28 | 15 56 | 0 48 | 6 2 | 2 1 | 32 31 | 16 59 | 0 37 | 0 5 | 28 46 | | n.a. |
| S 7 | 19 58 | 17 59 | 3 9 | 12 16 | 2 8 | 25 3 | 1 45 | 2 22 | 0 57 | 23 24 | 0 22 | 2 36 | 2 28 | 15 56 | 0 48 | 6 2 | 2 1 | 32 31 | 16 58 | 0 34 | 0 7 | 28 47 | | n.a. |
| M 8 | 20 11 | 22 20 | 3 55 | 12 53 | 1 55 | 24 54 | 1 42 | 2 13 | 0 59 | 23 23 | 0 22 | 2 34 | 2 28 | 15 55 | 0 48 | 6 1 | 2 1 | 32 30 | 16 58 | 0 31 | 0 8 | 28 47 | | n.a. |
| T 9 | 20 24 | 25 44 | 4 30 | 13 30 | 1 42 | 24 44 | 1 38 | 2 3 | 1 1 | 23 23 | 0 22 | 2 32 | 2 28 | 15 55 | 0 48 | 6 1 | 2 1 | 32 29 | 16 57 | 0 27 | 0 9 | 28 48 | | n.a. |
| W10 | 20 36 | 27 59 | 4 53 | 14 9 | 1 29 | 24 33 | 1 35 | 1 53 | 1 3 | 23 22 | 0 22 | 2 30 | 2 29 | 15 54 | 0 48 | 6 0 | 2 1 | 32 28 | 16 57 | 0 23 | 0 10 | 28 49 | | n.a. |
| T 11 | 20 49 | 28 57 | 5 3 | 14 49 | 1 16 | 24 22 | 1 31 | 1 43 | 1 5 | 23 21 | 0 22 | 2 28 | 2 29 | 15 54 | 0 48 | 6 0 | 2 1 | 32 28 | 16 56 | 0 18 | 0 12 | 28 49 | | n.a. |
| F 12 | 21 0 | 28 34 | 5 0 | 15 30 | 1 3 | 24 10 | 1 27 | 1 32 | 1 6 | 23 21 | 0 22 | 2 26 | 2 29 | 15 53 | 0 48 | 6 0 | 2 1 | 32 27 | 16 56 | 0 14 | 0 13 | 28 50 | | n.a. |
| S 13 | 21 12 | 26 53 | 4 44 | 16 11 | 0 50 | 23 58 | 1 23 | 1 22 | 1 8 | 23 20 | 0 23 | 2 24 | 2 29 | 15 53 | 0 48 | 5 59 | 2 1 | 32 26 | 16 55 | 0 10 | 0 14 | 28 50 | | n.a. |
| S 14 | 21 23 | 23 58 | 4 15 | 16 52 | 0 37 | 23 45 | 1 19 | 1 11 | 1 10 | 23 19 | 0 23 | 2 23 | 2 30 | 15 52 | 0 48 | 5 59 | 2 1 | 32 25 | 16 55 | 0 8 | 0 16 | 28 50 | | n.a. |
| M15 | 21 34 | 19 59 | 3 35 | 17 34 | 0 24 | 23 32 | 1 15 | 1 0 | 1 11 | 23 19 | 0 23 | 2 21 | 2 30 | 15 52 | 0 48 | 5 59 | 2 1 | 32 24 | 16 54 | 0 6 | 0 17 | 28 51 | | n.a. |
| T 16 | 21 44 | 15 7 | 2 44 | 18 15 | 0 12 | 23 18 | 1 10 | 0 49 | 1 13 | 23 18 | 0 23 | 2 19 | 2 30 | 15 51 | 0 48 | 5 58 | 2 1 | 32 23 | 16 54 | 0 5 | 0 18 | 28 51 | | n.a. |
| W17 | 21 54 | 9 30 | 1 44 | 18 56 | 0n 0 | 23 4 | 1 6 | 0 38 | 1 15 | 23 17 | 0 23 | 2 18 | 2 30 | 15 51 | 0 48 | 5 58 | 2 1 | 32 23 | 16 53 | 0 5 | 0 19 | 28 52 | | n.a. |
| T 18 | 22 4 | 3 21 | 0 38 | 19 35 | 0 12 | 22 49 | 1 1 | 0 27 | 1 16 | 23 16 | 0 24 | 2 16 | 2 30 | 15 50 | 0 47 | 5 58 | 2 1 | 32 22 | 16 53 | 0 5 | 0 21 | 28 52 | | n.a. |
| F 19 | 22 13 | 3s 9 | 0s33 | 20 14 | 0 23 | 22 34 | 0 56 | 0 15 | 1 18 | 23 15 | 0 24 | 2 14 | 2 31 | 15 50 | 0 47 | 5 57 | 2 0 | 32 21 | 16 52 | 0 5 | 0 22 | 28 53 | | n.a. |
| S 20 | 22 22 | 9 44 | 1 45 | 20 52 | 0 34 | 22 18 | 0 51 | 0 4 | 1 19 | 23 15 | 0 24 | 2 13 | 2 31 | 15 49 | 0 47 | 5 57 | 2 0 | 32 20 | 16 52 | 0 5 | 0 23 | 28 53 | | n.a. |
| S 21 | 22 30 | 16 3 | 2 52 | 21 28 | 0 44 | 22 2 | 0 46 | 0s 8 | 1 21 | 23 14 | 0 24 | 2 11 | 2 31 | 15 48 | 0 47 | 5 57 | 2 0 | 32 19 | 16 51 | 0 3 | 0 25 | 28 54 | | n.a. |
| M22 | 22 39 | 21 38 | 3 50 | 22 2 | 0 53 | 21 45 | 0 40 | 0 20 | 1 22 | 23 13 | 0 24 | 2 10 | 2 31 | 15 48 | 0 47 | 5 57 | 2 0 | 32 18 | 16 51 | 0 1 | 0 26 | 28 54 | | n.a. |
| T 23 | 22 46 | 25 57 | 4 33 | 22 34 | 1 2 | 21 29 | 0 35 | 0 32 | 1 24 | 23 12 | 0 24 | 2 8 | 2 32 | 15 47 | 0 47 | 5 56 | 2 0 | 32 18 | 16 50 | 0s 3 | 0 27 | 28 54 | | n.a. |
| W24 | 22 54 | 28 28 | 4 57 | 23 4 | 1 9 | 21 11 | 0 29 | 0 44 | 1 25 | 23 11 | 0 25 | 2 7 | 2 32 | 15 46 | 0 47 | 5 56 | 2 0 | 32 17 | 16 50 | 0 7 | 0 28 | 28 55 | | n.a. |
| T 25 | 23 1 | 28 49 | 5 0 | 23 31 | 1 17 | 20 54 | 0 23 | 0 57 | 1 27 | 23 10 | 0 25 | 2 5 | 2 32 | 15 46 | 0 47 | 5 56 | 2 0 | 32 16 | 16 49 | 0 11 | 0 30 | 28 55 | | n.a. |
| F 26 | 23 7 | 26 59 | 4 42 | 23 56 | 1 23 | 20 36 | 0 17 | 1 9 | 1 28 | 23 10 | 0 25 | 2 4 | 2 32 | 15 45 | 0 47 | 5 56 | 2 0 | 32 15 | 16 49 | 0 15 | 0 31 | 28 56 | | n.a. |
| S 27 | 23 13 | 23 20 | 4 5 | 24 19 | 1 29 | 20 17 | 0 11 | 1 22 | 1 29 | 23 9 | 0 25 | 2 3 | 2 33 | 15 44 | 0 47 | 5 55 | 2 0 | 32 14 | 16 49 | 0 17 | 0 32 | 28 56 | | n.a. |
| S 28 | 23 19 | 18 22 | 3 14 | 24 38 | 1 34 | 19 59 | 0 5 | 1 35 | 1 31 | 23 8 | 0 25 | 2 2 | 2 33 | 15 43 | 0 47 | 5 55 | 2 0 | 32 13 | 16 48 | 0 19 | 0 34 | 28 56 | | n.a. |
| M29 | 23 24 | 12 34 | 2 12 | 24 56 | 1 38 | 19 40 | 0s 2 | 1 48 | 1 32 | 23 7 | 0 25 | 2 0 | 2 33 | 15 43 | 0 47 | 5 55 | 2 0 | 32 12 | 16 48 | 0 20 | 0 35 | 28 57 | | n.a. |
| T 30 | 23n29 | 6s23 | 1s 6 | 25n10 | 1n42 | 19n20 | 0s 9 | 2s 1 | 1s33 | 23s 6 | 0s26 | 1s59 | 2s33 | 15n42 | 0n47 | 5s55 | 2n 0 | 32n11 | 16n47 | 0s21 | 0s36 | 28n57 | | n.a. |

Julian Day Number = 999109.5, Delta T = 12h53m20s
Ecliptic obliquity = 23°55'28, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'19, Lahiri = -31°13'19 Julian Calendar 1 June 1978 BCE == Greg. Calendar 15 May 1978 BCE


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## JULY 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 27 13 | 20♊18'57 | 29♓37 | 21♊21 | 5♌32 | 1♎57 | 11°R49 | 0♈55 | 20♌31 | 19°R26 | 16♌14 | 29°R 9 | 28♓28 | 24♊55 | n.a. | W 1 |
| T 2 | 17 31 10 | 21°16'38 | 12♈16 | 23°21 | 6°23 | 2°27 | 11♐41 | 0°59 | 20°33 | 19♎25 | 16°15 | 29♓ 9 | 28°24 | 25° 1 | n.a. | T 2 |
| F 3 | 17 35 7 | 22°14'20 | 24°38 | 25°20 | 7°13 | 2°58 | 11°34 | 1° 2 | 20°35 | 19°25 | 16°17 | 29° 7 | 28°21 | 25° 8 | n.a. | F 3 |
| S 4 | 17 39 3 | 23°12'04 | 6♉48 | 27°18 | 8° 3 | 3°28 | 11°26 | 1° 5 | 20°38 | 19°24 | 16°18 | 29° 2 | 28°18 | 25°15 | n.a. | S 4 |
| S 5 | 17 43 0 | 24° 9'50 | 18°50 | 29°15 | 8°52 | 3°59 | 11°19 | 1° 8 | 20°40 | 19°24 | 16°20 | 28°55 | 28°15 | 25°22 | n.a. | S 5 |
| M 6 | 17 46 56 | 25° 7'38 | 0♊46 | 1♋11 | 9°41 | 4°30 | 11°11 | 1°11 | 20°43 | 19°23 | 16°21 | 28°45 | 28°12 | 25°28 | n.a. | M 6 |
| T 7 | 17 50 53 | 26° 5'27 | 12°40 | 3° 5 | 10°28 | 5° 2 | 11° 4 | 1°14 | 20°45 | 19°23 | 16°23 | 28°32 | 28° 9 | 25°35 | n.a. | T 7 |
| W 8 | 17 54 49 | 27° 3'19 | 24°32 | 4°58 | 11°15 | 5°34 | 10°57 | 1°17 | 20°48 | 19°22 | 16°25 | 28°18 | 28° 5 | 25°42 | n.a. | W 8 |
| T 9 | 17 58 46 | 28° 1'11 | 6♋24 | 6°50 | 12° 1 | 6° 6 | 10°50 | 1°19 | 20°51 | 19°22 | 16°26 | 28° 4 | 28° 2 | 25°49 | n.a. | T 9 |
| F 10 | 18 2 42 | 28°59'06 | 18°18 | 8°40 | 12°47 | 6°39 | 10°42 | 1°22 | 20°53 | 19°22 | 16°28 | 27°51 | 27°59 | 25°55 | n.a. | F 10 |
| S 11 | 18 6 39 | 29°57'02 | 0♌14 | 10°29 | 13°31 | 7°12 | 10°36 | 1°24 | 20°56 | 19°21 | 16°30 | 27°39 | 27°56 | 26° 2 | n.a. | S 11 |
| S 12 | 18 10 36 | 0♋55'00 | 12°16 | 12°16 | 14°14 | 7°45 | 10°29 | 1°26 | 20°59 | 19°21 | 16°32 | 27°30 | 27°53 | 26° 9 | n.a. | S 12 |
| M13 | 18 14 32 | 1°53'00 | 24°25 | 14° 3 | 14°57 | 8°18 | 10°22 | 1°29 | 21° 1 | 19°21 | 16°34 | 27°24 | 27°49 | 26°15 | n.a. | M13 |
| T 14 | 18 18 29 | 2°51'01 | 6♍46 | 15°47 | 15°38 | 8°52 | 10°15 | 1°31 | 21° 4 | 19°21 | 16°35 | 27°21 | 27°46 | 26°22 | n.a. | T 14 |
| W15 | 18 22 25 | 3°49'03 | 19°20 | 17°31 | 16°19 | 9°26 | 10° 9 | 1°33 | 21° 7 | 19°21 | 16°37 | 27°20 | 27°43 | 26°29 | n.a. | W15 |
| T 16 | 18 26 22 | 4°47'07 | 2♎14 | 19°13 | 16°58 | 10° 0 | 10° 2 | 1°35 | 21°10 | 19°21 | 16°39 | 27°19 | 27°40 | 26°36 | n.a. | T 16 |
| F 17 | 18 30 18 | 5°45'13 | 15°31 | 20°54 | 17°36 | 10°35 | 9°56 | 1°36 | 21°13 | 19°20 | 16°41 | 27°19 | 27°37 | 26°42 | n.a. | F 17 |
| S 18 | 18 34 15 | 6°43'20 | 29°13 | 22°34 | 18°13 | 11°10 | 9°50 | 1°38 | 21°16 | 19°20 | 16°43 | 27°18 | 27°34 | 26°49 | n.a. | S 18 |
| S 19 | 18 38 11 | 7°41'29 | 13♏24 | 24°13 | 18°49 | 11°45 | 9°44 | 1°40 | 21°19 | 19°D20 | 16°45 | 27°14 | 27°30 | 26°56 | n.a. | S 19 |
| M20 | 18 42 8 | 8°39'39 | 28° 2 | 25°50 | 19°24 | 12°20 | 9°38 | 1°41 | 21°22 | 19°20 | 16°47 | 27° 8 | 27°27 | 27° 3 | n.a. | M20 |
| T 21 | 18 46 5 | 9°37'52 | 13♐ 2 | 27°26 | 19°57 | 12°55 | 9°32 | 1°42 | 21°25 | 19°20 | 16°49 | 26°59 | 27°24 | 27° 9 | n.a. | T 21 |
| W22 | 18 50 1 | 10°36'06 | 28°16 | 29° 1 | 20°29 | 13°31 | 9°26 | 1°44 | 21°28 | 19°21 | 16°51 | 26°49 | 27°21 | 27°16 | n.a. | W22 |
| T 23 | 18 53 58 | 11°34'22 | 13♑35 | 0♌35 | 20°59 | 14° 7 | 9°21 | 1°45 | 21°31 | 19°21 | 16°53 | 26°39 | 27°18 | 27°23 | n.a. | T 23 |
| F 24 | 18 57 54 | 12°32'40 | 28°46 | 2° 7 | 21°28 | 14°43 | 9°15 | 1°46 | 21°34 | 19°21 | 16°55 | 26°29 | 27°15 | 27°29 | n.a. | F 24 |
| S 25 | 19 1 51 | 13°31'00 | 13♒39 | 3°38 | 21°56 | 15°19 | 9°10 | 1°47 | 21°37 | 19°21 | 16°57 | 26°21 | 27°11 | 27°36 | n.a. | S 25 |
| S 26 | 19 5 47 | 14°29'22 | 28° 8 | 5° 8 | 22°22 | 15°56 | 9° 5 | 1°48 | 21°41 | 19°21 | 16°59 | 26°16 | 27° 8 | 27°43 | n.a. | S 26 |
| M27 | 19 9 44 | 15°27'47 | 12♓ 7 | 6°37 | 22°46 | 16°33 | 9° 0 | 1°48 | 21°44 | 19°21 | 17° 1 | 26°13 | 27° 5 | 27°50 | n.a. | M27 |
| T 28 | 19 13 40 | 16°26'13 | 25°37 | 8° 5 | 23° 8 | 17°10 | 8°55 | 1°49 | 21°47 | 19°22 | 17° 3 | 26°D13 | 27° 2 | 27°56 | n.a. | T 28 |
| W29 | 19 17 37 | 17°24'42 | 8♈40 | 9°31 | 23°29 | 17°47 | 8°51 | 1°49 | 21°50 | 19°22 | 17° 5 | 26°13 | 26°59 | 28° 3 | n.a. | W29 |
| T 30 | 19 21 34 | 18°23'13 | 21°20 | 10°56 | 23°48 | 18°24 | 8°46 | 1°50 | 21°54 | 19°22 | 17° 7 | 26°R13 | 26°55 | 28°10 | n.a. | T 30 |
| F 31 | 19 25 30 | 19♋21'47 | 3♉41 | 12♌20 | 24♌ 5 | 19♎ 2 | 8♐42 | 1♈50 | 21♌57 | 19♎23 | 17♌ 9 | 26♓12 | 26♓52 | 28♊17 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| W 1 | 23n34 | 0s 7 | 0n 2 | 25n22 | 1n44 | 19n 1 | 0s16 | 2s14 | 1s34 | 23s 5 | 0s26 | 1s58 | 2s34 | 15n41 | 0n47 | 5s55 | 2n 0 | 32n10 | 16n47 | 0s21 | 0s37 | 28n57 | | | n.a. |
| T 2 | 23 38 | 5n59 | 1 9 | 25 32 | 1 46 | 18 41 | 0 23 | 2 27 | 1 35 | 23 4 | 0 26 | 1 57 | 2 34 | 15 40 | 0 47 | 5 54 | 2 0 | 32 10 | 16 46 | 0 21 | 0 39 | 28 58 | | | n.a. |
| F 3 | 23 41 | 11 45 | 2 10 | 25 38 | 1 48 | 18 21 | 0 30 | 2 40 | 1 36 | 23 3 | 0 26 | 1 56 | 2 34 | 15 40 | 0 47 | 5 54 | 2 0 | 32 9 | 16 46 | 0 22 | 0 40 | 28 58 | | | n.a. |
| S 4 | 23 45 | 16 57 | 3 5 | 25 42 | 1 49 | 18 1 | 0 38 | 2 54 | 1 38 | 23 2 | 0 26 | 1 55 | 2 34 | 15 39 | 0 47 | 5 54 | 2 0 | 32 8 | 16 46 | 0 23 | 0 41 | 28 58 | | | n.a. |
| S 5 | 23 48 | 21 27 | 3 50 | 25 44 | 1 49 | 17 41 | 0 45 | 3 7 | 1 39 | 23 2 | 0 26 | 1 54 | 2 35 | 15 38 | 0 47 | 5 54 | 2 0 | 32 7 | 16 45 | 0 26 | 0 43 | 28 59 | | | n.a. |
| M 6 | 23 50 | 25 2 | 4 25 | 25 44 | 1 49 | 17 20 | 0 53 | 3 21 | 1 40 | 23 1 | 0 26 | 1 53 | 2 35 | 15 37 | 0 47 | 5 54 | 1 59 | 32 6 | 16 45 | 0 31 | 0 44 | 28 59 | | | n.a. |
| T 7 | 23 52 | 27 32 | 4 48 | 25 41 | 1 48 | 16 59 | 1 1 | 3 35 | 1 41 | 23 0 | 0 27 | 1 52 | 2 35 | 15 36 | 0 47 | 5 54 | 1 59 | 32 5 | 16 44 | 0 36 | 0 45 | 28 59 | | | n.a. |
| W 8 | 23 53 | 28 47 | 4 58 | 25 36 | 1 46 | 16 39 | 1 9 | 3 48 | 1 42 | 22 59 | 0 27 | 1 51 | 2 36 | 15 35 | 0 47 | 5 54 | 1 59 | 32 4 | 16 44 | 0 41 | 0 46 | 28 59 | | | n.a. |
| T 9 | 23 55 | 28 42 | 4 56 | 25 29 | 1 44 | 16 18 | 1 17 | 4 2 | 1 43 | 22 58 | 0 27 | 1 50 | 2 36 | 15 34 | 0 47 | 5 54 | 1 59 | 32 3 | 16 44 | 0 47 | 0 48 | 29 0 | | | n.a. |
| F 10 | 23 55 | 27 17 | 4 41 | 25 20 | 1 42 | 15 57 | 1 26 | 4 16 | 1 44 | 22 57 | 0 27 | 1 50 | 2 36 | 15 33 | 0 47 | 5 54 | 1 59 | 32 2 | 16 43 | 0 52 | 0 49 | 29 0 | | | n.a. |
| S 11 | 23 55 | 24 37 | 4 13 | 25 9 | 1 39 | 15 36 | 1 35 | 4 30 | 1 45 | 22 56 | 0 27 | 1 49 | 2 36 | 15 33 | 0 47 | 5 54 | 1 59 | 32 1 | 16 43 | 0 57 | 0 50 | 29 0 | | | n.a. |
| S 12 | 23 55 | 20 52 | 3 34 | 24 56 | 1 36 | 15 14 | 1 44 | 4 45 | 1 45 | 22 55 | 0 27 | 1 48 | 2 37 | 15 32 | 0 47 | 5 54 | 1 59 | 32 0 | 16 42 | 1 1 | 0 52 | 29 0 | | | n.a. |
| M13 | 23 55 | 16 13 | 2 44 | 24 41 | 1 32 | 14 53 | 1 53 | 4 59 | 1 46 | 22 54 | 0 27 | 1 48 | 2 37 | 15 31 | 0 47 | 5 54 | 1 59 | 31 59 | 16 42 | 1 3 | 0 53 | 29 1 | | | n.a. |
| T 14 | 23 54 | 10 51 | 1 46 | 24 25 | 1 28 | 14 32 | 2 2 | 5 13 | 1 47 | 22 54 | 0 28 | 1 47 | 2 37 | 15 30 | 0 47 | 5 54 | 1 59 | 31 59 | 16 42 | 1 5 | 0 54 | 29 1 | | | n.a. |
| W15 | 23 52 | 4 57 | 0 42 | 24 8 | 1 23 | 14 11 | 2 11 | 5 28 | 1 48 | 22 53 | 0 28 | 1 46 | 2 38 | 15 29 | 0 47 | 5 54 | 1 59 | 31 58 | 16 41 | 1 5 | 0 55 | 29 1 | | | n.a. |
| T 16 | 23 50 | 1s18 | 0s26 | 23 49 | 1 19 | 13 50 | 2 21 | 5 42 | 1 49 | 22 52 | 0 28 | 1 46 | 2 38 | 15 28 | 0 46 | 5 54 | 1 59 | 31 57 | 16 41 | 1 5 | 0 57 | 29 1 | | | n.a. |
| F 17 | 23 48 | 7 40 | 1 35 | 23 28 | 1 13 | 13 29 | 2 31 | 5 57 | 1 50 | 22 51 | 0 28 | 1 45 | 2 38 | 15 27 | 0 46 | 5 54 | 1 59 | 31 56 | 16 41 | 1 5 | 0 58 | 29 2 | | | n.a. |
| S 18 | 23 45 | 13 54 | 2 40 | 23 6 | 1 8 | 13 8 | 2 40 | 6 11 | 1 50 | 22 50 | 0 28 | 1 45 | 2 38 | 15 26 | 0 46 | 5 54 | 1 59 | 31 55 | 16 40 | 1 6 | 0 59 | 29 2 | | | n.a. |
| S 19 | 23 42 | 19 38 | 3 38 | 22 44 | 1 2 | 12 47 | 2 51 | 6 26 | 1 51 | 22 49 | 0 28 | 1 45 | 2 39 | 15 25 | 0 46 | 5 54 | 1 59 | 31 54 | 16 40 | 1 7 | 1 1 | 29 2 | | | n.a. |
| M20 | 23 38 | 24 23 | 4 23 | 22 20 | 0 56 | 12 27 | 3 1 | 6 41 | 1 52 | 22 49 | 0 28 | 1 44 | 2 39 | 15 24 | 0 46 | 5 54 | 1 58 | 31 53 | 16 40 | 1 10 | 1 2 | 29 2 | | | n.a. |
| T 21 | 23 34 | 27 39 | 4 52 | 21 55 | 0 50 | 12 6 | 3 11 | 6 55 | 1 53 | 22 48 | 0 28 | 1 44 | 2 39 | 15 23 | 0 46 | 5 54 | 1 58 | 31 52 | 16 39 | 1 13 | 1 3 | 29 2 | | | n.a. |
| W22 | 23 29 | 28 55 | 5 1 | 21 29 | 0 43 | 11 46 | 3 22 | 7 10 | 1 53 | 22 47 | 0 28 | 1 44 | 2 39 | 15 22 | 0 46 | 5 54 | 1 58 | 31 51 | 16 39 | 1 17 | 1 5 | 29 2 | | | n.a. |
| T 23 | 23 24 | 27 59 | 4 48 | 21 2 | 0 37 | 11 26 | 3 33 | 7 25 | 1 54 | 22 46 | 0 29 | 1 44 | 2 40 | 15 21 | 0 46 | 5 54 | 1 58 | 31 50 | 16 39 | 1 22 | 1 6 | 29 3 | | | n.a. |
| F 24 | 23 19 | 24 59 | 4 15 | 20 34 | 0 30 | 11 7 | 3 43 | 7 40 | 1 55 | 22 46 | 0 29 | 1 43 | 2 40 | 15 20 | 0 46 | 5 54 | 1 58 | 31 49 | 16 39 | 1 25 | 1 7 | 29 3 | | | n.a. |
| S 25 | 23 13 | 20 20 | 3 25 | 20 6 | 0 23 | 10 47 | 3 54 | 7 55 | 1 55 | 22 45 | 0 29 | 1 43 | 2 40 | 15 19 | 0 46 | 5 54 | 1 58 | 31 48 | 16 38 | 1 29 | 1 8 | 29 3 | | | n.a. |
| S 26 | 23 7 | 14 36 | 2 23 | 19 37 | 0 15 | 10 28 | 4 6 | 8 10 | 1 56 | 22 44 | 0 29 | 1 43 | 2 41 | 15 18 | 0 46 | 5 54 | 1 58 | 31 47 | 16 38 | 1 31 | 1 10 | 29 3 | | | n.a. |
| M27 | 23 0 | 8 17 | 1 14 | 19 7 | 0 8 | 10 10 | 4 17 | 8 25 | 1 56 | 22 43 | 0 29 | 1 43 | 2 41 | 15 16 | 0 46 | 5 55 | 1 58 | 31 46 | 16 38 | 1 32 | 1 11 | 29 3 | | | n.a. |
| T 28 | 22 53 | 1 49 | 0 3 | 18 37 | 0 0 | 9 52 | 4 28 | 8 40 | 1 57 | 22 43 | 0 29 | 1 43 | 2 41 | 15 15 | 0 46 | 5 55 | 1 58 | 31 45 | 16 38 | 1 32 | 1 12 | 29 3 | | | n.a. |
| W29 | 22 46 | 4n30 | 1n 6 | 18 6 | 0s 8 | 9 34 | 4 40 | 8 55 | 1 57 | 22 42 | 0 29 | 1 43 | 2 41 | 15 14 | 0 46 | 5 55 | 1 58 | 31 44 | 16 37 | 1 32 | 1 14 | 29 3 | | | n.a. |
| T 30 | 22 38 | 10 28 | 2 9 | 17 35 | 0 16 | 9 17 | 4 51 | 9 10 | 1 58 | 22 42 | 0 29 | 1 43 | 2 42 | 15 13 | 0 46 | 5 55 | 1 58 | 31 44 | 16 37 | 1 32 | 1 15 | 29 3 | | | n.a. |
| F 31 | 22n30 | 15n53 | 3n 5 | 17n 4 | 0s24 | 9n 0 | 5s 3 | 9s25 | 1s58 | 22s41 | 0s29 | 1s44 | 2s42 | 15n12 | 0n46 | 5s55 | 1n58 | 31n43 | 16n37 | 1s32 | 1s16 | 29n 3 | | | n.a. |

Julian Day Number = 999139.5, Delta T = 12h53m18s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'15, Lahiri = -31°13'15 Julian Calendar 1 July 1978 BCE == Greg. Calendar 14 June 1978 BCE


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## AUGUST 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 29 27 | 20♋20'23 | 15♉48 | 13♌42 | 24♌21 | 19♎40 | 8°R38 | 1♈50 | 22♌ 0 | 19♎23 | 17♌11 | 26°R 9 | 26♓49 | 28♊23 | n.a. | S 1 |
| S 2 | 19 33 23 | 21°19'02 | 27°47 | 15° 3 | 24°34 | 20°18 | 8♐34 | 1°R50 | 22° 4 | 19°23 | 17°14 | 26♓ 3 | 26°46 | 28°30 | n.a. | S 2 |
| M 3 | 19 37 20 | 22°17'43 | 9♊40 | 16°23 | 24°45 | 20°56 | 8°31 | 1°50 | 22° 7 | 19°24 | 17°16 | 25°55 | 26°43 | 28°37 | n.a. | M 3 |
| T 4 | 19 41 16 | 23°16'26 | 21°31 | 17°41 | 24°54 | 21°34 | 8°27 | 1°50 | 22°10 | 19°24 | 17°18 | 25°45 | 26°40 | 28°43 | n.a. | T 4 |
| W 5 | 19 45 13 | 24°15'11 | 3♋23 | 18°58 | 25° 1 | 22°13 | 8°24 | 1°50 | 22°14 | 19°25 | 17°20 | 25°34 | 26°36 | 28°50 | n.a. | W 5 |
| T 6 | 19 49 9 | 25°13'59 | 15°18 | 20°13 | 25° 6 | 22°51 | 8°20 | 1°49 | 22°17 | 19°26 | 17°22 | 25°22 | 26°33 | 28°57 | n.a. | T 6 |
| F 7 | 19 53 6 | 26°12'49 | 27°17 | 21°26 | 25° 8 | 23°30 | 8°17 | 1°49 | 22°21 | 19°26 | 17°25 | 25°11 | 26°30 | 29° 4 | n.a. | F 7 |
| S 8 | 19 57 2 | 27°11'41 | 9♌22 | 22°38 | 25°R 8 | 24° 9 | 8°15 | 1°48 | 22°24 | 19°27 | 17°27 | 25° 1 | 26°27 | 29°10 | n.a. | S 8 |
| S 9 | 20 0 59 | 28°10'35 | 21°33 | 23°48 | 25° 6 | 24°48 | 8°12 | 1°47 | 22°28 | 19°27 | 17°29 | 24°54 | 26°24 | 29°17 | n.a. | S 9 |
| M10 | 20 4 56 | 29° 9'32 | 3♍53 | 24°56 | 25° 2 | 25°28 | 8°10 | 1°46 | 22°32 | 19°28 | 17°31 | 24°49 | 26°21 | 29°24 | n.a. | M10 |
| T 11 | 20 8 52 | 0♌ 8'30 | 16°23 | 26° 3 | 24°55 | 26° 7 | 8° 7 | 1°45 | 22°35 | 19°29 | 17°34 | 24°47 | 26°17 | 29°30 | n.a. | T 11 |
| W12 | 20 12 49 | 1° 7'30 | 29° 6 | 27° 6 | 24°45 | 26°47 | 8° 5 | 1°44 | 22°39 | 19°30 | 17°36 | 24°D46 | 26°14 | 29°37 | n.a. | W12 |
| T 13 | 20 16 45 | 2° 6'32 | 12♎ 4 | 28° 8 | 24°34 | 27°27 | 8° 3 | 1°43 | 22°42 | 19°30 | 17°38 | 24°47 | 26°11 | 29°44 | n.a. | T 13 |
| F 14 | 20 20 42 | 3° 5'36 | 25°20 | 29° 7 | 24°20 | 28° 7 | 8° 2 | 1°42 | 22°46 | 19°31 | 17°41 | 24°48 | 26° 8 | 29°51 | n.a. | F 14 |
| S 15 | 20 24 38 | 4° 4'42 | 8♏57 | 0♍ 3 | 24° 3 | 28°47 | 8° 0 | 1°40 | 22°50 | 19°32 | 17°43 | 24°R48 | 26° 5 | 29°57 | n.a. | S 15 |
| S 16 | 20 28 35 | 5° 3'50 | 22°57 | 0°56 | 23°45 | 29°27 | 7°59 | 1°39 | 22°53 | 19°33 | 17°45 | 24°47 | 26° 1 | 0♋ 4 | n.a. | S 16 |
| M17 | 20 32 31 | 6° 3'00 | 7♐19 | 1°47 | 23°24 | 0♏ 7 | 7°58 | 1°37 | 22°57 | 19°34 | 17°47 | 24°43 | 25°58 | 0°11 | n.a. | M17 |
| T 18 | 20 36 28 | 7° 2'12 | 22° 0 | 2°33 | 23° 0 | 0°48 | 7°57 | 1°36 | 23° 1 | 19°35 | 17°50 | 24°38 | 25°55 | 0°18 | n.a. | T 18 |
| W19 | 20 40 24 | 8° 1'26 | 6♑56 | 3°16 | 22°35 | 1°29 | 7°57 | 1°34 | 23° 4 | 19°36 | 17°52 | 24°31 | 25°52 | 0°24 | n.a. | W19 |
| T 20 | 20 44 21 | 9° 0'42 | 21°59 | 3°55 | 22° 8 | 2° 9 | 7°56 | 1°32 | 23° 8 | 19°37 | 17°54 | 24°24 | 25°49 | 0°31 | n.a. | T 20 |
| F 21 | 20 48 18 | 10° 0'00 | 6♒58 | 4°29 | 21°39 | 2°50 | 7°56 | 1°30 | 23°12 | 19°38 | 17°57 | 24°18 | 25°46 | 0°38 | n.a. | F 21 |
| S 22 | 20 52 14 | 10°59'20 | 21°45 | 4°58 | 21° 8 | 3°31 | 7°D56 | 1°28 | 23°15 | 19°39 | 17°59 | 24°12 | 25°42 | 0°44 | n.a. | S 22 |
| S 23 | 20 56 11 | 11°58'43 | 6♓12 | 5°23 | 20°36 | 4°12 | 7°56 | 1°25 | 23°19 | 19°40 | 18° 2 | 24° 9 | 25°39 | 0°51 | n.a. | S 23 |
| M24 | 21 0 7 | 12°58'08 | 20°14 | 5°41 | 20° 3 | 4°54 | 7°56 | 1°23 | 23°23 | 19°41 | 18° 4 | 24°D 8 | 25°36 | 0°58 | n.a. | M24 |
| T 25 | 21 4 4 | 13°57'35 | 3♈49 | 5°53 | 19°28 | 5°35 | 7°57 | 1°21 | 23°27 | 19°42 | 18° 6 | 24° 8 | 25°33 | 1° 5 | n.a. | T 25 |
| W26 | 21 8 0 | 14°57'04 | 16°58 | 5°R59 | 18°53 | 6°17 | 7°57 | 1°18 | 23°30 | 19°43 | 18° 9 | 24° 9 | 25°30 | 1°11 | n.a. | W26 |
| T 27 | 21 11 57 | 15°56'36 | 29°43 | 5°57 | 18°17 | 6°58 | 7°58 | 1°15 | 23°34 | 19°45 | 18°11 | 24°11 | 25°27 | 1°18 | n.a. | T 27 |
| F 28 | 21 15 53 | 16°56'11 | 12♉ 8 | 5°47 | 17°40 | 7°40 | 7°59 | 1°13 | 23°38 | 19°46 | 18°13 | 24°R12 | 25°23 | 1°25 | n.a. | F 28 |
| S 29 | 21 19 50 | 17°55'48 | 24°17 | 5°30 | 17° 4 | 8°22 | 8° 1 | 1°10 | 23°42 | 19°47 | 18°16 | 24°12 | 25°20 | 1°32 | n.a. | S 29 |
| S 30 | 21 23 46 | 18°55'27 | 6♊16 | 5° 5 | 16°28 | 9° 4 | 8° 2 | 1° 7 | 23°46 | 19°49 | 18°18 | 24°10 | 25°17 | 1°38 | n.a. | S 30 |
| M31 | 21 27 43 | 19♌55'09 | 18♊ 9 | 4♍31 | 15♌52 | 9♏46 | 8♐ 4 | 1♈ 4 | 23♌49 | 19♎50 | 18♌20 | 24♓ 7 | 25♓14 | 1♋45 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n21 | 20n35 | 3n52 | 16n33 | 0s32 | 8n44 | 5s15 | 9s40 | 1s59 | 22s40 | 0s29 | 1s44 | 2s42 | 15n11 | 0n46 | 5s56 | 1n58 | 31n42 | 16n37 | 1s34 | 1s17 | 29n 3 | | n.a. |
| S 2 | 22 12 | 24 24 | 4 27 | 16 1 | 0 40 | 8 29 | 5 26 | 9 55 | 1 59 | 22 40 | 0 30 | 1 44 | 2 43 | 15 10 | 0 46 | 5 56 | 1 58 | 31 41 | 16 36 | 1 36 | 1 19 | 29 3 | | n.a. |
| M 3 | 22 2 | 27 8 | 4 51 | 15 29 | 0 48 | 8 14 | 5 38 | 10 10 | 2 0 | 22 39 | 0 30 | 1 44 | 2 43 | 15 9 | 0 46 | 5 56 | 1 57 | 31 40 | 16 36 | 1 39 | 1 20 | 29 4 | | n.a. |
| T 4 | 21 52 | 28 40 | 5 2 | 14 57 | 0 57 | 8 0 | 5 50 | 10 25 | 2 0 | 22 39 | 0 30 | 1 45 | 2 43 | 15 7 | 0 46 | 5 56 | 1 57 | 31 39 | 16 36 | 1 43 | 1 21 | 29 4 | | n.a. |
| W 5 | 21 42 | 28 53 | 5 0 | 14 25 | 1 5 | 7 46 | 6 2 | 10 40 | 2 0 | 22 38 | 0 30 | 1 45 | 2 43 | 15 6 | 0 46 | 5 57 | 1 57 | 31 38 | 16 36 | 1 48 | 1 23 | 29 4 | | n.a. |
| T 6 | 21 31 | 27 45 | 4 45 | 13 53 | 1 14 | 7 34 | 6 13 | 10 55 | 2 1 | 22 38 | 0 30 | 1 45 | 2 44 | 15 5 | 0 46 | 5 57 | 1 57 | 31 37 | 16 36 | 1 53 | 1 24 | 29 4 | | n.a. |
| F 7 | 21 20 | 25 19 | 4 17 | 13 21 | 1 22 | 7 22 | 6 25 | 11 11 | 2 1 | 22 38 | 0 30 | 1 46 | 2 44 | 15 4 | 0 46 | 5 57 | 1 57 | 31 36 | 16 35 | 1 57 | 1 25 | 29 4 | | n.a. |
| S 8 | 21 9 | 21 46 | 3 38 | 12 49 | 1 31 | 7 11 | 6 36 | 11 26 | 2 1 | 22 37 | 0 30 | 1 46 | 2 44 | 15 3 | 0 46 | 5 57 | 1 57 | 31 35 | 16 35 | 2 1 | 1 26 | 29 4 | | n.a. |
| S 9 | 20 57 | 17 15 | 2 48 | 12 18 | 1 39 | 7 1 | 6 48 | 11 41 | 2 2 | 22 37 | 0 30 | 1 47 | 2 45 | 15 2 | 0 46 | 5 58 | 1 57 | 31 34 | 16 35 | 2 4 | 1 28 | 29 4 | | n.a. |
| M10 | 20 44 | 11 59 | 1 49 | 11 47 | 1 47 | 6 52 | 6 59 | 11 56 | 2 2 | 22 36 | 0 30 | 1 48 | 2 45 | 15 0 | 0 46 | 5 58 | 1 57 | 31 33 | 16 35 | 2 6 | 1 29 | 29 4 | | n.a. |
| T 11 | 20 32 | 6 10 | 0 45 | 11 17 | 1 56 | 6 44 | 7 10 | 12 11 | 2 2 | 22 36 | 0 30 | 1 48 | 2 45 | 14 59 | 0 46 | 5 58 | 1 57 | 31 33 | 16 35 | 2 7 | 1 30 | 29 4 | | n.a. |
| W12 | 20 19 | 0 1 | 0s23 | 10 47 | 2 4 | 6 37 | 7 20 | 12 26 | 2 3 | 22 36 | 0 30 | 1 49 | 2 45 | 14 58 | 0 46 | 5 59 | 1 57 | 31 32 | 16 35 | 2 7 | 1 32 | 29 4 | | n.a. |
| T 13 | 20 5 | 6s16 | 1 32 | 10 18 | 2 12 | 6 31 | 7 31 | 12 41 | 2 3 | 22 36 | 0 30 | 1 50 | 2 46 | 14 57 | 0 46 | 5 59 | 1 57 | 31 31 | 16 35 | 2 7 | 1 33 | 29 4 | | n.a. |
| F 14 | 19 52 | 12 25 | 2 37 | 9 50 | 2 20 | 6 27 | 7 41 | 12 55 | 2 3 | 22 35 | 0 30 | 1 50 | 2 46 | 14 55 | 0 46 | 6 0 | 1 57 | 31 30 | 16 35 | 2 6 | 1 34 | 29 4 | | n.a. |
| S 15 | 19 38 | 18 9 | 3 35 | 9 22 | 2 28 | 6 23 | 7 50 | 13 10 | 2 3 | 22 35 | 0 30 | 1 51 | 2 46 | 14 54 | 0 46 | 6 0 | 1 57 | 31 29 | 16 34 | 2 6 | 1 35 | 29 3 | | n.a. |
| S 16 | 19 23 | 23 5 | 4 22 | 8 56 | 2 36 | 6 21 | 7 59 | 13 25 | 2 3 | 22 35 | 0 31 | 1 52 | 2 46 | 14 53 | 0 46 | 6 0 | 1 57 | 31 28 | 16 34 | 2 7 | 1 37 | 29 3 | | n.a. |
| M17 | 19 8 | 26 47 | 4 53 | 8 31 | 2 43 | 6 19 | 8 8 | 13 40 | 2 4 | 22 35 | 0 31 | 1 53 | 2 47 | 14 52 | 0 46 | 6 1 | 1 56 | 31 27 | 16 34 | 2 8 | 1 38 | 29 3 | | n.a. |
| T 18 | 18 53 | 28 47 | 5 7 | 8 8 | 2 51 | 6 19 | 8 16 | 13 55 | 2 4 | 22 35 | 0 31 | 1 54 | 2 47 | 14 51 | 0 46 | 6 1 | 1 56 | 31 26 | 16 34 | 2 10 | 1 39 | 29 3 | | n.a. |
| W19 | 18 38 | 28 44 | 5 0 | 7 46 | 2 57 | 6 20 | 8 23 | 14 9 | 2 4 | 22 35 | 0 31 | 1 55 | 2 47 | 14 49 | 0 46 | 6 2 | 1 56 | 31 26 | 16 34 | 2 13 | 1 41 | 29 3 | | n.a. |
| T 20 | 18 22 | 26 34 | 4 33 | 7 25 | 3 4 | 6 23 | 8 30 | 14 24 | 2 4 | 22 35 | 0 31 | 1 56 | 2 47 | 14 48 | 0 46 | 6 2 | 1 56 | 31 25 | 16 34 | 2 16 | 1 42 | 29 3 | | n.a. |
| F 21 | 18 6 | 22 33 | 3 47 | 7 7 | 3 10 | 6 27 | 8 36 | 14 38 | 2 4 | 22 35 | 0 31 | 1 57 | 2 48 | 14 47 | 0 46 | 6 3 | 1 56 | 31 24 | 16 34 | 2 19 | 1 43 | 29 3 | | n.a. |
| S 22 | 17 49 | 17 9 | 2 46 | 6 51 | 3 15 | 6 31 | 8 41 | 14 53 | 2 4 | 22 35 | 0 31 | 1 58 | 2 48 | 14 46 | 0 46 | 6 3 | 1 56 | 31 23 | 16 34 | 2 21 | 1 44 | 29 3 | | n.a. |
| S 23 | 17 33 | 10 54 | 1 36 | 6 38 | 3 20 | 6 38 | 8 45 | 15 7 | 2 4 | 22 35 | 0 31 | 1 59 | 2 48 | 14 44 | 0 46 | 6 4 | 1 56 | 31 22 | 16 34 | 2 22 | 1 46 | 29 3 | | n.a. |
| M24 | 17 16 | 4 16 | 0 21 | 6 27 | 3 24 | 6 45 | 8 48 | 15 22 | 2 4 | 22 35 | 0 31 | 2 0 | 2 48 | 14 43 | 0 46 | 6 4 | 1 56 | 31 21 | 16 34 | 2 23 | 1 47 | 29 3 | | n.a. |
| T 25 | 16 58 | 2n21 | 0n52 | 6 20 | 3 28 | 6 53 | 8 51 | 15 36 | 2 4 | 22 35 | 0 31 | 2 1 | 2 49 | 14 42 | 0 46 | 6 4 | 1 56 | 31 21 | 16 34 | 2 23 | 1 48 | 29 2 | | n.a. |
| W26 | 16 41 | 8 39 | 2 1 | 6 16 | 3 30 | 7 2 | 8 52 | 15 50 | 2 4 | 22 35 | 0 31 | 2 3 | 2 49 | 14 40 | 0 46 | 6 5 | 1 56 | 31 20 | 16 34 | 2 22 | 1 50 | 29 2 | | n.a. |
| T 27 | 16 23 | 14 25 | 3 1 | 6 15 | 3 31 | 7 13 | 8 53 | 16 4 | 2 4 | 22 36 | 0 31 | 2 4 | 2 49 | 14 39 | 0 46 | 6 6 | 1 56 | 31 19 | 16 34 | 2 21 | 1 51 | 29 2 | | n.a. |
| F 28 | 16 5 | 19 27 | 3 51 | 6 18 | 3 31 | 7 24 | 8 52 | 16 18 | 2 4 | 22 36 | 0 31 | 2 5 | 2 49 | 14 38 | 0 46 | 6 6 | 1 56 | 31 18 | 16 34 | 2 21 | 1 52 | 29 2 | | n.a. |
| S 29 | 15 46 | 23 35 | 4 30 | 6 26 | 3 30 | 7 36 | 8 51 | 16 32 | 2 4 | 22 36 | 0 31 | 2 7 | 2 49 | 14 37 | 0 46 | 6 7 | 1 56 | 31 17 | 16 34 | 2 21 | 1 53 | 29 2 | | n.a. |
| S 30 | 15 27 | 26 39 | 4 56 | 6 38 | 3 27 | 7 49 | 8 49 | 16 46 | 2 4 | 22 36 | 0 31 | 2 8 | 2 50 | 14 35 | 0 46 | 6 7 | 1 56 | 31 17 | 16 34 | 2 22 | 1 55 | 29 2 | | n.a. |
| M31 | 15n 8 | 28n31 | 5n 9 | 6n55 | 3s23 | 8n 3 | 8s45 | 17s 0 | 2s 4 | 22s37 | 0s31 | 2s 9 | 2s50 | 14n34 | 0n46 | 6s 8 | 1n56 | 31n16 | 16n34 | 2s23 | 1s56 | 29n 1 | | n.a. |

Julian Day Number = 999170.5, Delta T = 12h53m16s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'11, Lahiri = -31°13'10 Julian Calendar 1 Aug. 1978 BCE == Greg. Calendar 15 July 1978 BCE

The year -1977 astronomical counting style corresponds to year 1978 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## SEPTEMBER 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 31 40 | 20♌54'54 | 0♋ 1 | 3°R48 | 15°R16 | 10♏28 | 8♐ 6 | 1°R 1 | 23♌53 | 19♎51 | 18♌23 | 24°R 2 | 25♓11 | 1♋52 | n.a. | T 1 |
| W 2 | 21 35 36 | 21°54'41 | 11°54 | 2♍58 | 14♌42 | 11°10 | 8° 8 | 0♈58 | 23°57 | 19°53 | 18°25 | 23♓57 | 25° 7 | 1°58 | n.a. | W 2 |
| T 3 | 21 39 33 | 22°54'30 | 23°53 | 2° 0 | 14° 8 | 11°52 | 8°10 | 0°54 | 24° 1 | 19°54 | 18°28 | 23°51 | 25° 4 | 2° 5 | n.a. | T 3 |
| F 4 | 21 43 29 | 23°54'21 | 5♌59 | 0°55 | 13°36 | 12°35 | 8°13 | 0°51 | 24° 5 | 19°55 | 18°30 | 23°46 | 25° 1 | 2°12 | n.a. | F 4 |
| S 5 | 21 47 26 | 24°54'15 | 18°15 | 29♌46 | 13° 5 | 13°17 | 8°15 | 0°47 | 24° 8 | 19°57 | 18°32 | 23°41 | 24°58 | 2°19 | n.a. | S 5 |
| S 6 | 21 51 22 | 25°54'10 | 0♍40 | 28°32 | 12°36 | 14° 0 | 8°18 | 0°44 | 24°12 | 19°58 | 18°35 | 23°38 | 24°55 | 2°25 | n.a. | S 6 |
| M 7 | 21 55 19 | 26°54'08 | 13°17 | 27°17 | 12° 8 | 14°42 | 8°21 | 0°40 | 24°16 | 20° 0 | 18°37 | 23°36 | 24°52 | 2°32 | n.a. | M 7 |
| T 8 | 21 59 15 | 27°54'08 | 26° 5 | 26° 3 | 11°43 | 15°25 | 8°25 | 0°37 | 24°20 | 20° 1 | 18°39 | 23°D35 | 24°48 | 2°39 | n.a. | T 8 |
| W 9 | 22 3 12 | 28°54'10 | 9♎ 6 | 24°51 | 11°19 | 16° 8 | 8°28 | 0°33 | 24°24 | 20° 3 | 18°42 | 23°36 | 24°45 | 2°46 | n.a. | W 9 |
| T 10 | 22 7 8 | 29°54'13 | 22°19 | 23°44 | 10°58 | 16°51 | 8°32 | 0°29 | 24°27 | 20° 5 | 18°44 | 23°38 | 24°42 | 2°52 | n.a. | T 10 |
| F 11 | 22 11 5 | 0♍54'19 | 5♏46 | 22°44 | 10°39 | 17°34 | 8°36 | 0°25 | 24°31 | 20° 6 | 18°46 | 23°39 | 24°39 | 2°59 | n.a. | F 11 |
| S 12 | 22 15 2 | 1°54'26 | 19°28 | 21°53 | 10°22 | 18°17 | 8°40 | 0°21 | 24°35 | 20° 8 | 18°49 | 23°40 | 24°36 | 3° 6 | n.a. | S 12 |
| S 13 | 22 18 58 | 2°54'35 | 3♐24 | 21°12 | 10° 8 | 19° 0 | 8°44 | 0°17 | 24°39 | 20°10 | 18°51 | 23°R41 | 24°33 | 3°12 | n.a. | S 13 |
| M14 | 22 22 55 | 3°54'46 | 17°34 | 20°42 | 9°56 | 19°44 | 8°48 | 0°13 | 24°42 | 20°11 | 18°53 | 23°40 | 24°29 | 3°19 | n.a. | M14 |
| T 15 | 22 26 51 | 4°54'59 | 1♑56 | 20°23 | 9°46 | 20°27 | 8°53 | 0° 9 | 24°46 | 20°13 | 18°56 | 23°39 | 24°26 | 3°26 | n.a. | T 15 |
| W16 | 22 30 48 | 5°55'13 | 16°27 | 20°D16 | 9°39 | 21°10 | 8°57 | 0° 4 | 24°50 | 20°15 | 18°58 | 23°37 | 24°23 | 3°33 | n.a. | W16 |
| T 17 | 22 34 44 | 6°55'29 | 1♒ 2 | 20°20 | 9°34 | 21°54 | 9° 2 | 0° 0 | 24°54 | 20°16 | 19° 0 | 23°34 | 24°20 | 3°39 | n.a. | T 17 |
| F 18 | 22 38 41 | 7°55'46 | 15°36 | 20°34 | 9°D32 | 22°37 | 9° 7 | 29♓56 | 24°57 | 20°18 | 19° 2 | 23°32 | 24°17 | 3°46 | n.a. | F 18 |
| S 19 | 22 42 37 | 8°56'06 | 0♓ 1 | 21° 0 | 9°32 | 23°21 | 9°13 | 29°51 | 25° 1 | 20°20 | 19° 5 | 23°31 | 24°13 | 3°53 | n.a. | S 19 |
| S 20 | 22 46 34 | 9°56'27 | 14°12 | 21°34 | 9°35 | 24° 4 | 9°18 | 29°47 | 25° 5 | 20°22 | 19° 7 | 23°30 | 24°10 | 3°59 | n.a. | S 20 |
| M21 | 22 50 31 | 10°56'50 | 28° 5 | 22°17 | 9°40 | 24°48 | 9°24 | 29°42 | 25° 9 | 20°24 | 19° 9 | 23°D30 | 24° 7 | 4° 6 | n.a. | M21 |
| T 22 | 22 54 27 | 11°57'15 | 11♈37 | 23° 8 | 9°47 | 25°32 | 9°29 | 29°38 | 25°12 | 20°26 | 19°11 | 23°30 | 24° 4 | 4°13 | n.a. | T 22 |
| W23 | 22 58 24 | 12°57'42 | 24°46 | 24° 5 | 9°57 | 26°16 | 9°35 | 29°33 | 25°16 | 20°27 | 19°14 | 23°31 | 24° 1 | 4°20 | n.a. | W23 |
| T 24 | 23 2 20 | 13°58'11 | 7♉34 | 25° 9 | 10° 9 | 26°59 | 9°42 | 29°28 | 25°20 | 20°29 | 19°16 | 23°32 | 23°58 | 4°26 | n.a. | T 24 |
| F 25 | 23 6 17 | 14°58'42 | 20° 3 | 26°18 | 10°23 | 27°43 | 9°48 | 29°24 | 25°23 | 20°31 | 19°18 | 23°33 | 23°54 | 4°33 | n.a. | F 25 |
| S 26 | 23 10 13 | 15°59'16 | 2♊16 | 27°31 | 10°39 | 28°27 | 9°54 | 29°19 | 25°27 | 20°33 | 19°20 | 23°34 | 23°51 | 4°40 | n.a. | S 26 |
| S 27 | 23 14 10 | 16°59'51 | 14°17 | 28°48 | 10°57 | 29°11 | 10° 1 | 29°14 | 25°31 | 20°35 | 19°22 | 23°R34 | 23°48 | 4°47 | n.a. | S 27 |
| M28 | 23 18 6 | 18° 0'28 | 26°11 | 0♍ 8 | 11°17 | 29°55 | 10° 8 | 29° 9 | 25°34 | 20°37 | 19°24 | 23°34 | 23°45 | 4°53 | n.a. | M28 |
| T 29 | 23 22 3 | 19° 1'07 | 8♋ 3 | 1°31 | 11°39 | 0♐39 | 10°15 | 29° 4 | 25°38 | 20°39 | 19°27 | 23°34 | 23°42 | 5° 0 | n.a. | T 29 |
| W30 | 23 26 0 | 20♍ 1'48 | 19♋58 | 2♍56 | 12♌ 3 | 1♐23 | 10♐22 | 28♓59 | 25♌41 | 20♎41 | 19♌29 | 23♓33 | 23♓38 | 5♋ 7 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n49 | 29n 5 | 5n 9 | 7n16 | 3s16 | 8n17 | 8s41 | 17s13 | 2s 4 | 22s37 | 0s31 | 2s11 | 2s50 | 14n33 | 0n46 | 6s 8 | 1n56 | 31n15 | 16n34 | 2s25 | 1s57 | 29n 1 | | n.a. |
| W 2 | 14 29 | 28 18 | 4 56 | 7 42 | 3 8 | 8 32 | 8 36 | 17 27 | 2 4 | 22 37 | 0 31 | 2 12 | 2 50 | 14 31 | 0 46 | 6 9 | 1 55 | 31 14 | 16 34 | 2 27 | 1 59 | 29 1 | | n.a. |
| T 3 | 14 9 | 26 11 | 4 30 | 8 13 | 2 58 | 8 47 | 8 30 | 17 40 | 2 4 | 22 38 | 0 31 | 2 14 | 2 50 | 14 30 | 0 46 | 6 9 | 1 55 | 31 14 | 16 34 | 2 29 | 2 0 | 29 1 | | n.a. |
| F 4 | 13 49 | 22 53 | 3 51 | 8 47 | 2 46 | 9 3 | 8 23 | 17 53 | 2 4 | 22 38 | 0 31 | 2 15 | 2 51 | 14 29 | 0 46 | 6 10 | 1 55 | 31 13 | 16 34 | 2 32 | 2 1 | 29 1 | | n.a. |
| S 5 | 13 29 | 18 32 | 3 1 | 9 25 | 2 32 | 9 19 | 8 16 | 18 6 | 2 4 | 22 39 | 0 32 | 2 17 | 2 51 | 14 28 | 0 46 | 6 11 | 1 55 | 31 12 | 16 34 | 2 33 | 2 2 | 29 0 | | n.a. |
| S 6 | 13 8 | 13 22 | 2 2 | 10 6 | 2 16 | 9 35 | 8 7 | 18 19 | 2 4 | 22 39 | 0 32 | 2 19 | 2 51 | 14 26 | 0 46 | 6 11 | 1 55 | 31 11 | 16 34 | 2 35 | 2 4 | 29 0 | | n.a. |
| M 7 | 12 48 | 7 34 | 0 56 | 10 49 | 1 58 | 9 51 | 7 58 | 18 32 | 2 4 | 22 40 | 0 32 | 2 20 | 2 51 | 14 25 | 0 46 | 6 12 | 1 55 | 31 11 | 16 34 | 2 36 | 2 5 | 29 0 | | n.a. |
| T 8 | 12 27 | 1 23 | 0s14 | 11 32 | 1 39 | 10 7 | 7 48 | 18 45 | 2 3 | 22 40 | 0 32 | 2 22 | 2 51 | 14 24 | 0 46 | 6 13 | 1 55 | 31 10 | 16 35 | 2 36 | 2 6 | 29 0 | | n.a. |
| W 9 | 12 5 | 4s58 | 1 24 | 12 16 | 1 19 | 10 24 | 7 38 | 18 58 | 2 3 | 22 41 | 0 32 | 2 24 | 2 52 | 14 22 | 0 46 | 6 13 | 1 55 | 31 9 | 16 35 | 2 35 | 2 8 | 28 59 | | n.a. |
| T 10 | 11 44 | 11 11 | 2 31 | 12 57 | 0 59 | 10 40 | 7 27 | 19 10 | 2 3 | 22 42 | 0 32 | 2 25 | 2 52 | 14 21 | 0 46 | 6 14 | 1 55 | 31 9 | 16 35 | 2 35 | 2 9 | 28 59 | | n.a. |
| F 11 | 11 22 | 17 2 | 3 32 | 13 36 | 0 39 | 10 56 | 7 16 | 19 23 | 2 3 | 22 42 | 0 32 | 2 27 | 2 52 | 14 20 | 0 46 | 6 15 | 1 55 | 31 8 | 16 35 | 2 34 | 2 10 | 28 59 | | n.a. |
| S 12 | 11 1 | 22 7 | 4 21 | 14 12 | 0 18 | 11 11 | 7 5 | 19 35 | 2 3 | 22 43 | 0 32 | 2 29 | 2 52 | 14 19 | 0 46 | 6 15 | 1 55 | 31 7 | 16 35 | 2 34 | 2 11 | 28 59 | | n.a. |
| S 13 | 10 39 | 26 5 | 4 56 | 14 44 | 0n 1 | 11 27 | 6 53 | 19 47 | 2 2 | 22 44 | 0 32 | 2 31 | 2 52 | 14 17 | 0 46 | 6 16 | 1 55 | 31 7 | 16 35 | 2 34 | 2 13 | 28 58 | | n.a. |
| M14 | 10 16 | 28 32 | 5 13 | 15 12 | 0 19 | 11 42 | 6 40 | 19 59 | 2 2 | 22 44 | 0 32 | 2 32 | 2 52 | 14 16 | 0 46 | 6 17 | 1 55 | 31 6 | 16 35 | 2 34 | 2 14 | 28 58 | | n.a. |
| T 15 | 9 54 | 29 6 | 5 12 | 15 34 | 0 37 | 11 56 | 6 28 | 20 11 | 2 2 | 22 45 | 0 32 | 2 34 | 2 52 | 14 15 | 0 46 | 6 17 | 1 55 | 31 5 | 16 36 | 2 34 | 2 15 | 28 58 | | n.a. |
| W16 | 9 31 | 27 41 | 4 50 | 15 51 | 0 52 | 12 10 | 6 15 | 20 22 | 2 2 | 22 46 | 0 32 | 2 36 | 2 53 | 14 13 | 0 46 | 6 18 | 1 55 | 31 5 | 16 36 | 2 35 | 2 16 | 28 57 | | n.a. |
| T 17 | 9 9 | 24 24 | 4 10 | 16 3 | 1 7 | 12 24 | 6 2 | 20 34 | 2 1 | 22 47 | 0 32 | 2 38 | 2 53 | 14 12 | 0 46 | 6 19 | 1 55 | 31 4 | 16 36 | 2 36 | 2 18 | 28 57 | | n.a. |
| F 18 | 8 46 | 19 34 | 3 14 | 16 11 | 1 19 | 12 37 | 5 49 | 20 45 | 2 1 | 22 48 | 0 32 | 2 40 | 2 53 | 14 11 | 0 46 | 6 20 | 1 55 | 31 4 | 16 36 | 2 37 | 2 19 | 28 57 | | n.a. |
| S 19 | 8 23 | 13 39 | 2 6 | 16 13 | 1 30 | 12 50 | 5 36 | 20 56 | 2 1 | 22 48 | 0 32 | 2 42 | 2 53 | 14 10 | 0 46 | 6 20 | 1 55 | 31 3 | 16 36 | 2 38 | 2 20 | 28 56 | | n.a. |
| S 20 | 8 0 | 7 7 | 0 51 | 16 10 | 1 40 | 13 1 | 5 23 | 21 7 | 2 1 | 22 49 | 0 32 | 2 44 | 2 53 | 14 8 | 0 46 | 6 21 | 1 55 | 31 2 | 16 36 | 2 38 | 2 22 | 28 56 | | n.a. |
| M21 | 7 36 | 0 23 | 0n25 | 16 4 | 1 48 | 13 13 | 5 10 | 21 18 | 2 0 | 22 50 | 0 32 | 2 45 | 2 53 | 14 7 | 0 46 | 6 22 | 1 54 | 31 2 | 16 37 | 2 38 | 2 23 | 28 55 | | n.a. |
| T 22 | 7 13 | 6n12 | 1 39 | 15 53 | 1 55 | 13 23 | 4 57 | 21 28 | 2 0 | 22 51 | 0 32 | 2 47 | 2 53 | 14 6 | 0 46 | 6 22 | 1 54 | 31 1 | 16 37 | 2 38 | 2 24 | 28 55 | | n.a. |
| W23 | 6 49 | 12 20 | 2 45 | 15 39 | 2 0 | 13 33 | 4 44 | 21 38 | 2 0 | 22 52 | 0 32 | 2 49 | 2 53 | 14 5 | 0 46 | 6 23 | 1 54 | 31 1 | 16 37 | 2 37 | 2 25 | 28 55 | | n.a. |
| T 24 | 6 26 | 17 47 | 3 40 | 15 21 | 2 4 | 13 43 | 4 31 | 21 49 | 1 59 | 22 53 | 0 32 | 2 51 | 2 53 | 14 3 | 0 46 | 6 24 | 1 54 | 31 0 | 16 37 | 2 37 | 2 27 | 28 54 | | n.a. |
| F 25 | 6 2 | 22 21 | 4 24 | 15 0 | 2 7 | 13 51 | 4 18 | 21 59 | 1 59 | 22 54 | 0 32 | 2 53 | 2 53 | 14 2 | 0 46 | 6 25 | 1 54 | 31 0 | 16 38 | 2 37 | 2 28 | 28 54 | | n.a. |
| S 26 | 5 38 | 25 51 | 4 55 | 14 36 | 2 9 | 13 59 | 4 5 | 22 8 | 1 58 | 22 55 | 0 32 | 2 55 | 2 54 | 14 1 | 0 46 | 6 26 | 1 54 | 30 59 | 16 38 | 2 36 | 2 29 | 28 53 | | n.a. |
| S 27 | 5 14 | 28 9 | 5 13 | 14 9 | 2 10 | 14 6 | 3 53 | 22 18 | 1 58 | 22 56 | 0 32 | 2 57 | 2 54 | 14 0 | 0 46 | 6 26 | 1 54 | 30 59 | 16 38 | 2 36 | 2 31 | 28 53 | | n.a. |
| M28 | 4 50 | 29 8 | 5 16 | 13 41 | 2 10 | 14 13 | 3 40 | 22 27 | 1 58 | 22 57 | 0 32 | 2 59 | 2 54 | 13 58 | 0 46 | 6 27 | 1 54 | 30 58 | 16 38 | 2 36 | 2 32 | 28 53 | | n.a. |
| T 29 | 4 26 | 28 47 | 5 7 | 13 10 | 2 10 | 14 19 | 3 28 | 22 37 | 1 57 | 22 58 | 0 32 | 3 1 | 2 54 | 13 57 | 0 46 | 6 28 | 1 54 | 30 58 | 16 39 | 2 36 | 2 33 | 28 52 | | n.a. |
| W30 | 4n 2 | 27n 5 | 4n44 | 12n37 | 2n 8 | 14n24 | 3s16 | 22s46 | 1s57 | 22s59 | 0s32 | 3s 3 | 2s54 | 13n56 | 0n46 | 6s29 | 1n54 | 30n57 | 16n39 | 2s37 | 2s34 | 28n52 | | n.a. |

Julian Day Number = 999201.5, Delta T = 12h53m14s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'07, Lahiri = -31°13'06 Julian Calendar 1 Sept. 1978 BCE == Greg. Calendar 15 Aug. 1978 BCE


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## OCTOBER 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 29 56 | 21♍ 2'31 | 1♌59 | 4♍24 | 12♌29 | 2♐ 8 | 10♐29 | 28°R55 | 25♌45 | 20♎43 | 19♌31 | 23°R33 | 23♓35 | 5♋13 | n.a. | T 1 |
| F 2 | 23 33 53 | 22° 3'16 | 14°10 | 5°52 | 12°56 | 2°52 | 10°36 | 28♓50 | 25°48 | 20°45 | 19°33 | 23♓32 | 23°32 | 5°20 | n.a. | F 2 |
| S 3 | 23 37 49 | 23° 4'03 | 26°34 | 7°23 | 13°25 | 3°36 | 10°44 | 28°45 | 25°52 | 20°47 | 19°35 | 23°32 | 23°29 | 5°27 | n.a. | S 3 |
| S 4 | 23 41 46 | 24° 4'51 | 9♍14 | 8°54 | 13°56 | 4°20 | 10°51 | 28°40 | 25°55 | 20°49 | 19°37 | 23°D32 | 23°26 | 5°34 | n.a. | S 4 |
| M 5 | 23 45 42 | 25° 5'40 | 22° 9 | 10°26 | 14°28 | 5° 5 | 10°59 | 28°35 | 25°59 | 20°51 | 19°39 | 23°R32 | 23°23 | 5°40 | n.a. | M 5 |
| T 6 | 23 49 39 | 26° 6'32 | 5♎20 | 11°59 | 15° 2 | 5°49 | 11° 7 | 28°30 | 26° 2 | 20°53 | 19°41 | 23°32 | 23°19 | 5°47 | n.a. | T 6 |
| W 7 | 23 53 35 | 27° 7'24 | 18°46 | 13°32 | 15°37 | 6°33 | 11°15 | 28°25 | 26° 6 | 20°56 | 19°43 | 23°32 | 23°16 | 5°54 | n.a. | W 7 |
| T 8 | 23 57 32 | 28° 8'18 | 2♏26 | 15° 6 | 16°13 | 7°18 | 11°24 | 28°20 | 26° 9 | 20°58 | 19°45 | 23°32 | 23°13 | 6° 0 | n.a. | T 8 |
| F 9 | 0 1 28 | 29° 9'13 | 16°16 | 16°40 | 16°51 | 8° 2 | 11°32 | 28°15 | 26°12 | 21° 0 | 19°47 | 23°31 | 23°10 | 6° 7 | n.a. | F 9 |
| S 10 | 0 5 25 | 0♎10'10 | 0♐16 | 18°14 | 17°30 | 8°47 | 11°41 | 28°10 | 26°16 | 21° 2 | 19°49 | 23°30 | 23° 7 | 6°14 | n.a. | S 10 |
| S 11 | 0 9 22 | 1°11'08 | 14°21 | 19°48 | 18°10 | 9°31 | 11°49 | 28° 5 | 26°19 | 21° 4 | 19°51 | 23°30 | 23° 4 | 6°21 | n.a. | S 11 |
| M12 | 0 13 18 | 2°12'06 | 28°31 | 21°23 | 18°52 | 10°16 | 11°58 | 28° 0 | 26°22 | 21° 6 | 19°53 | 23°D29 | 23° 0 | 6°27 | n.a. | M12 |
| T 13 | 0 17 15 | 3°13'06 | 12♑43 | 22°58 | 19°35 | 11° 0 | 12° 7 | 27°55 | 26°25 | 21° 8 | 19°55 | 23°29 | 22°57 | 6°34 | n.a. | T 13 |
| W14 | 0 21 11 | 4°14'06 | 26°54 | 24°32 | 20°18 | 11°45 | 12°16 | 27°50 | 26°29 | 21°11 | 19°56 | 23°30 | 22°54 | 6°41 | n.a. | W14 |
| T 15 | 0 25 8 | 5°15'08 | 11♒ 2 | 26° 7 | 21° 3 | 12°30 | 12°26 | 27°45 | 26°32 | 21°13 | 19°58 | 23°31 | 22°51 | 6°48 | n.a. | T 15 |
| F 16 | 0 29 4 | 6°16'10 | 25° 6 | 27°41 | 21°49 | 13°14 | 12°35 | 27°40 | 26°35 | 21°15 | 20° 0 | 23°32 | 22°48 | 6°54 | n.a. | F 16 |
| S 17 | 0 33 1 | 7°17'13 | 9♓ 1 | 29°16 | 22°36 | 13°59 | 12°45 | 27°35 | 26°38 | 21°17 | 20° 2 | 23°33 | 22°44 | 7° 1 | n.a. | S 17 |
| S 18 | 0 36 57 | 8°18'17 | 22°47 | 0♎50 | 23°23 | 14°44 | 12°54 | 27°30 | 26°41 | 21°19 | 20° 4 | 23°R33 | 22°41 | 7° 8 | n.a. | S 18 |
| M19 | 0 40 54 | 9°19'22 | 6♈19 | 2°25 | 24°12 | 15°28 | 13° 4 | 27°26 | 26°44 | 21°22 | 20° 5 | 23°33 | 22°38 | 7°14 | n.a. | M19 |
| T 20 | 0 44 51 | 10°20'28 | 19°36 | 3°59 | 25° 1 | 16°13 | 13°14 | 27°21 | 26°47 | 21°24 | 20° 7 | 23°32 | 22°35 | 7°21 | n.a. | T 20 |
| W21 | 0 48 47 | 11°21'35 | 2♉36 | 5°34 | 25°52 | 16°58 | 13°24 | 27°16 | 26°50 | 21°26 | 20° 9 | 23°30 | 22°32 | 7°28 | n.a. | W21 |
| T 22 | 0 52 44 | 12°22'43 | 15°20 | 7° 8 | 26°43 | 17°42 | 13°34 | 27°11 | 26°53 | 21°28 | 20°10 | 23°27 | 22°29 | 7°35 | n.a. | T 22 |
| F 23 | 0 56 40 | 13°23'53 | 27°48 | 8°42 | 27°35 | 18°27 | 13°44 | 27° 7 | 26°56 | 21°31 | 20°12 | 23°23 | 22°25 | 7°41 | n.a. | F 23 |
| S 24 | 1 0 37 | 14°25'03 | 10♊ 1 | 10°17 | 28°28 | 19°12 | 13°54 | 27° 2 | 26°59 | 21°33 | 20°14 | 23°20 | 22°22 | 7°48 | n.a. | S 24 |
| S 25 | 1 4 33 | 15°26'14 | 22° 4 | 11°51 | 29°21 | 19°57 | 14° 5 | 26°57 | 27° 2 | 21°35 | 20°15 | 23°18 | 22°19 | 7°55 | n.a. | S 25 |
| M26 | 1 8 30 | 16°27'27 | 3♋59 | 13°25 | 0♍15 | 20°41 | 14°15 | 26°53 | 27° 5 | 21°37 | 20°17 | 23°16 | 22°16 | 8° 1 | n.a. | M26 |
| T 27 | 1 12 27 | 17°28'41 | 15°50 | 15° 0 | 1°10 | 21°26 | 14°26 | 26°48 | 27° 8 | 21°40 | 20°18 | 23°D15 | 22°13 | 8° 8 | n.a. | T 27 |
| W28 | 1 16 23 | 18°29'55 | 27°44 | 16°34 | 2° 6 | 22°11 | 14°37 | 26°44 | 27°10 | 21°42 | 20°20 | 23°15 | 22°10 | 8°15 | n.a. | W28 |
| T 29 | 1 20 20 | 19°31'11 | 9♌44 | 18° 8 | 3° 2 | 22°56 | 14°48 | 26°39 | 27°13 | 21°44 | 20°21 | 23°17 | 22° 6 | 8°22 | n.a. | T 29 |
| F 30 | 1 24 16 | 20°32'27 | 21°56 | 19°43 | 3°58 | 23°40 | 14°59 | 26°35 | 27°16 | 21°46 | 20°23 | 23°18 | 22° 3 | 8°28 | n.a. | F 30 |
| S 31 | 1 28 13 | 21♎33'44 | 4♍23 | 21♎18 | 4♍56 | 24♐25 | 15♐10 | 26♓31 | 27♌18 | 21♎49 | 20♌24 | 23♓20 | 22♓ 0 | 8♋35 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 3n37 | 24n 9 | 4n 8 | 12n 3 | 2n 6 | 14n28 | 3s 4 | 22s54 | 1s56 | 23s 0 | 0s32 | 3s 5 | 2s54 | 13n55 | 0n46 | 6s30 | 1n54 | 30n57 | 16n39 | 2s37 | 2s36 | 28n51 | | | n.a. |
| F 2 | 3 13 | 20 7 | 3 21 | 11 27 | 2 4 | 14 31 | 2 52 | 23 3 | 1 56 | 23 1 | 0 32 | 3 7 | 2 54 | 13 54 | 0 46 | 6 30 | 1 54 | 30 56 | 16 40 | 2 37 | 2 37 | 28 51 | | | n.a. |
| S 3 | 2 48 | 15 9 | 2 24 | 10 50 | 2 0 | 14 34 | 2 41 | 23 11 | 1 56 | 23 3 | 0 32 | 3 9 | 2 54 | 13 52 | 0 46 | 6 31 | 1 54 | 30 56 | 16 40 | 2 37 | 2 38 | 28 50 | | | n.a. |
| S 4 | 2 24 | 9 29 | 1 19 | 10 12 | 1 57 | 14 36 | 2 30 | 23 19 | 1 55 | 23 4 | 0 32 | 3 11 | 2 54 | 13 51 | 0 46 | 6 32 | 1 54 | 30 56 | 16 40 | 2 37 | 2 40 | 28 50 | | | n.a. |
| M 5 | 1 59 | 3 18 | 0 8 | 9 32 | 1 53 | 14 37 | 2 18 | 23 27 | 1 55 | 23 5 | 0 32 | 3 13 | 2 54 | 13 50 | 0 46 | 6 33 | 1 54 | 30 55 | 16 41 | 2 37 | 2 41 | 28 49 | | | n.a. |
| T 6 | 1 35 | 3s 9 | 1s 5 | 8 52 | 1 48 | 14 38 | 2 8 | 23 35 | 1 54 | 23 6 | 0 33 | 3 15 | 2 54 | 13 49 | 0 46 | 6 34 | 1 54 | 30 55 | 16 41 | 2 37 | 2 42 | 28 49 | | | n.a. |
| W 7 | 1 10 | 9 35 | 2 15 | 8 12 | 1 44 | 14 37 | 1 57 | 23 42 | 1 54 | 23 7 | 0 33 | 3 17 | 2 54 | 13 48 | 0 46 | 6 34 | 1 54 | 30 54 | 16 41 | 2 37 | 2 43 | 28 48 | | | n.a. |
| T 8 | 0 45 | 15 40 | 3 19 | 7 30 | 1 39 | 14 36 | 1 46 | 23 50 | 1 53 | 23 8 | 0 33 | 3 19 | 2 54 | 13 47 | 0 46 | 6 35 | 1 54 | 30 54 | 16 42 | 2 37 | 2 45 | 28 48 | | | n.a. |
| F 9 | 0 21 | 21 3 | 4 12 | 6 48 | 1 34 | 14 35 | 1 36 | 23 57 | 1 53 | 23 10 | 0 33 | 3 21 | 2 54 | 13 45 | 0 46 | 6 36 | 1 54 | 30 54 | 16 42 | 2 37 | 2 46 | 28 47 | | | n.a. |
| S 10 | 0s 4 | 25 21 | 4 51 | 6 5 | 1 28 | 14 32 | 1 26 | 24 3 | 1 52 | 23 11 | 0 33 | 3 23 | 2 54 | 13 44 | 0 46 | 6 37 | 1 54 | 30 53 | 16 42 | 2 38 | 2 47 | 28 47 | | | n.a. |
| S 11 | 0 29 | 28 9 | 5 13 | 5 22 | 1 22 | 14 29 | 1 16 | 24 10 | 1 52 | 23 12 | 0 33 | 3 25 | 2 54 | 13 43 | 0 46 | 6 38 | 1 54 | 30 53 | 16 43 | 2 38 | 2 49 | 28 46 | | | n.a. |
| M12 | 0 54 | 29 10 | 5 15 | 4 39 | 1 17 | 14 25 | 1 7 | 24 16 | 1 51 | 23 13 | 0 33 | 3 27 | 2 54 | 13 42 | 0 46 | 6 39 | 1 54 | 30 53 | 16 43 | 2 38 | 2 50 | 28 46 | | | n.a. |
| T 13 | 1 18 | 28 16 | 4 59 | 3 56 | 1 11 | 14 20 | 0 57 | 24 22 | 1 51 | 23 15 | 0 33 | 3 29 | 2 54 | 13 41 | 0 46 | 6 39 | 1 54 | 30 53 | 16 44 | 2 38 | 2 51 | 28 45 | | | n.a. |
| W14 | 1 43 | 25 31 | 4 24 | 3 12 | 1 5 | 14 15 | 0 48 | 24 28 | 1 50 | 23 16 | 0 33 | 3 31 | 2 53 | 13 40 | 0 46 | 6 40 | 1 54 | 30 52 | 16 44 | 2 38 | 2 52 | 28 45 | | | n.a. |
| T 15 | 2 8 | 21 14 | 3 34 | 2 28 | 0 58 | 14 9 | 0 39 | 24 34 | 1 50 | 23 17 | 0 33 | 3 33 | 2 53 | 13 39 | 0 46 | 6 41 | 1 54 | 30 52 | 16 44 | 2 37 | 2 54 | 28 44 | | | n.a. |
| F 16 | 2 32 | 15 47 | 2 31 | 1 44 | 0 52 | 14 2 | 0 31 | 24 39 | 1 49 | 23 18 | 0 33 | 3 35 | 2 53 | 13 38 | 0 46 | 6 42 | 1 54 | 30 52 | 16 45 | 2 37 | 2 55 | 28 43 | | | n.a. |
| S 17 | 2 57 | 9 34 | 1 19 | 1 0 | 0 46 | 13 55 | 0 22 | 24 44 | 1 48 | 23 20 | 0 33 | 3 37 | 2 53 | 13 37 | 0 46 | 6 43 | 1 54 | 30 52 | 16 45 | 2 37 | 2 56 | 28 43 | | | n.a. |
| S 18 | 3 21 | 2 59 | 0 4 | 0 15 | 0 39 | 13 47 | 0 14 | 24 49 | 1 48 | 23 21 | 0 33 | 3 39 | 2 53 | 13 36 | 0 46 | 6 44 | 1 54 | 30 51 | 16 46 | 2 37 | 2 58 | 28 42 | | | n.a. |
| M19 | 3 46 | 3n37 | 1n10 | 0s29 | 0 33 | 13 38 | 0 6 | 24 53 | 1 47 | 23 22 | 0 33 | 3 41 | 2 53 | 13 35 | 0 46 | 6 45 | 1 54 | 30 51 | 16 46 | 2 37 | 2 59 | 28 42 | | | n.a. |
| T 20 | 4 10 | 9 57 | 2 19 | 1 13 | 0 26 | 13 29 | 0n 2 | 24 58 | 1 47 | 23 24 | 0 33 | 3 43 | 2 53 | 13 34 | 0 46 | 6 46 | 1 54 | 30 51 | 16 47 | 2 37 | 3 0 | 28 41 | | | n.a. |
| W21 | 4 35 | 15 44 | 3 19 | 1 57 | 0 20 | 13 18 | 0 10 | 25 2 | 1 46 | 23 25 | 0 33 | 3 45 | 2 53 | 13 33 | 0 46 | 6 46 | 1 54 | 30 51 | 16 47 | 2 38 | 3 1 | 28 40 | | | n.a. |
| T 22 | 4 59 | 20 42 | 4 8 | 2 41 | 0 13 | 13 8 | 0 17 | 25 6 | 1 46 | 23 26 | 0 33 | 3 46 | 2 53 | 13 32 | 0 46 | 6 47 | 1 54 | 30 51 | 16 47 | 2 39 | 3 3 | 28 40 | | | n.a. |
| F 23 | 5 23 | 24 40 | 4 44 | 3 25 | 0 6 | 12 56 | 0 24 | 25 9 | 1 45 | 23 27 | 0 33 | 3 48 | 2 53 | 13 31 | 0 47 | 6 48 | 1 54 | 30 51 | 16 48 | 2 41 | 3 4 | 28 39 | | | n.a. |
| S 24 | 5 48 | 27 27 | 5 6 | 4 9 | 0s 0 | 12 44 | 0 31 | 25 12 | 1 44 | 23 29 | 0 33 | 3 50 | 2 53 | 13 30 | 0 47 | 6 49 | 1 54 | 30 50 | 16 48 | 2 42 | 3 5 | 28 38 | | | n.a. |
| S 25 | 6 12 | 28 54 | 5 14 | 4 53 | 0 7 | 12 31 | 0 38 | 25 15 | 1 44 | 23 30 | 0 33 | 3 52 | 2 52 | 13 29 | 0 47 | 6 50 | 1 54 | 30 50 | 16 49 | 2 43 | 3 6 | 28 38 | | | n.a. |
| M26 | 6 36 | 29 1 | 5 9 | 5 36 | 0 13 | 12 18 | 0 45 | 25 18 | 1 43 | 23 31 | 0 33 | 3 53 | 2 52 | 13 28 | 0 47 | 6 51 | 1 53 | 30 50 | 16 49 | 2 44 | 3 8 | 28 37 | | | n.a. |
| T 27 | 7 0 | 27 46 | 4 50 | 6 19 | 0 19 | 12 4 | 0 51 | 25 21 | 1 42 | 23 33 | 0 33 | 3 55 | 2 52 | 13 27 | 0 47 | 6 52 | 1 53 | 30 50 | 16 50 | 2 44 | 3 9 | 28 36 | | | n.a. |
| W28 | 7 24 | 25 16 | 4 19 | 7 2 | 0 26 | 11 50 | 0 57 | 25 23 | 1 42 | 23 34 | 0 33 | 3 57 | 2 52 | 13 26 | 0 47 | 6 52 | 1 53 | 30 50 | 16 50 | 2 44 | 3 10 | 28 36 | | | n.a. |
| T 29 | 7 47 | 21 39 | 3 37 | 7 45 | 0 32 | 11 35 | 1 3 | 25 25 | 1 41 | 23 35 | 0 33 | 3 58 | 2 52 | 13 25 | 0 47 | 6 53 | 1 53 | 30 50 | 16 51 | 2 43 | 3 12 | 28 35 | | | n.a. |
| F 30 | 8 11 | 17 3 | 2 44 | 8 27 | 0 38 | 11 19 | 1 9 | 25 27 | 1 41 | 23 37 | 0 33 | 4 0 | 2 52 | 13 24 | 0 47 | 6 54 | 1 53 | 30 50 | 16 51 | 2 43 | 3 13 | 28 34 | | | n.a. |
| S 31 | 8s34 | 11n41 | 1n42 | 9s 9 | 0s44 | 11n 3 | 1n14 | 25s28 | 1s40 | 23s38 | 0s33 | 4s 2 | 2s51 | 13n23 | 0n47 | 6s55 | 1n53 | 30n50 | 16n52 | 2s42 | 3s14 | 28n34 | | | n.a. |

Julian Day Number = 999231.5, Delta T = 12h53m12s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°20'03, Lahiri = -31°13'02 Julian Calendar 1 Oct. 1978 BCE == Greg. Calendar 14 Sept. 1978 BCE

The year -1977 astronomical counting style corresponds to year 1978 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## NOVEMBER 1978 BCE (-1977) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 32 9 | 22♎35'02 | 17♍10 | 22♎52 | 5♍53 | 25♐10 | 15♐21 | 26°R27 | 27♌21 | 21♎51 | 20♌25 | 23°R21 | 21♓57 | 8♋42 | n.a. | S 1 |
| M 2 | 1 36 6 | 23°36'20 | 0♎18 | 24°27 | 6°52 | 25°55 | 15°32 | 26♓22 | 27°23 | 21°53 | 20°27 | 23♓21 | 21°54 | 8°48 | n.a. | M 2 |
| T 3 | 1 40 2 | 24°37'39 | 13°48 | 26° 2 | 7°51 | 26°40 | 15°44 | 26°18 | 27°26 | 21°56 | 20°28 | 23°20 | 21°50 | 8°55 | n.a. | T 3 |
| W 4 | 1 43 59 | 25°38'59 | 27°39 | 27°37 | 8°50 | 27°24 | 15°55 | 26°14 | 27°28 | 21°58 | 20°29 | 23°16 | 21°47 | 9° 2 | n.a. | W 4 |
| T 5 | 1 47 56 | 26°40'19 | 11♏48 | 29°12 | 9°50 | 28° 9 | 16° 7 | 26°10 | 27°31 | 22° 0 | 20°30 | 23°12 | 21°44 | 9° 9 | n.a. | T 5 |
| F 6 | 1 51 52 | 27°41'39 | 26° 9 | 0♏48 | 10°50 | 28°54 | 16°19 | 26° 7 | 27°33 | 22° 2 | 20°32 | 23° 6 | 21°41 | 9°15 | n.a. | F 6 |
| S 7 | 1 55 49 | 28°43'00 | 10♐36 | 2°23 | 11°51 | 29°39 | 16°30 | 26° 3 | 27°35 | 22° 5 | 20°33 | 23° 1 | 21°38 | 9°22 | n.a. | S 7 |
| S 8 | 1 59 45 | 29°44'21 | 25° 5 | 3°59 | 12°52 | 0♑24 | 16°42 | 25°59 | 27°38 | 22° 7 | 20°34 | 22°56 | 21°35 | 9°29 | n.a. | S 8 |
| M 9 | 2 3 42 | 0♏45'42 | 9♑29 | 5°35 | 13°54 | 1° 8 | 16°54 | 25°55 | 27°40 | 22° 9 | 20°35 | 22°52 | 21°31 | 9°35 | n.a. | M 9 |
| T 10 | 2 7 38 | 1°47'02 | 23°44 | 7°11 | 14°56 | 1°53 | 17° 6 | 25°52 | 27°42 | 22°11 | 20°36 | 22°50 | 21°28 | 9°42 | n.a. | T 10 |
| W11 | 2 11 35 | 2°48'23 | 7♒49 | 8°48 | 15°58 | 2°38 | 17°18 | 25°48 | 27°44 | 22°14 | 20°37 | 22°D50 | 21°25 | 9°49 | n.a. | W11 |
| T 12 | 2 15 32 | 3°49'43 | 21°42 | 10°24 | 17° 1 | 3°23 | 17°30 | 25°45 | 27°46 | 22°16 | 20°38 | 22°51 | 21°22 | 9°56 | n.a. | T 12 |
| F 13 | 2 19 28 | 4°51'02 | 5♓23 | 12° 1 | 18° 4 | 4° 7 | 17°43 | 25°42 | 27°48 | 22°18 | 20°39 | 22°52 | 21°19 | 10° 2 | n.a. | F 13 |
| S 14 | 2 23 25 | 5°52'22 | 18°52 | 13°38 | 19° 7 | 4°52 | 17°55 | 25°39 | 27°50 | 22°20 | 20°40 | 22°R53 | 21°15 | 10° 9 | n.a. | S 14 |
| S 15 | 2 27 21 | 6°53'41 | 2♈10 | 15°15 | 20°11 | 5°37 | 18° 7 | 25°35 | 27°52 | 22°23 | 20°41 | 22°53 | 21°12 | 10°16 | n.a. | S 15 |
| M16 | 2 31 18 | 7°55'00 | 15°17 | 16°52 | 21°15 | 6°22 | 18°20 | 25°32 | 27°54 | 22°25 | 20°42 | 22°51 | 21° 9 | 10°22 | n.a. | M16 |
| T 17 | 2 35 14 | 8°56'19 | 28°13 | 18°30 | 22°19 | 7° 6 | 18°33 | 25°30 | 27°56 | 22°27 | 20°43 | 22°46 | 21° 6 | 10°29 | n.a. | T 17 |
| W18 | 2 39 11 | 9°57'38 | 10♉57 | 20° 7 | 23°24 | 7°51 | 18°45 | 25°27 | 27°58 | 22°29 | 20°44 | 22°39 | 21° 3 | 10°36 | n.a. | W18 |
| T 19 | 2 43 7 | 10°58'56 | 23°29 | 21°45 | 24°29 | 8°36 | 18°58 | 25°24 | 27°59 | 22°31 | 20°44 | 22°30 | 21° 0 | 10°43 | n.a. | T 19 |
| F 20 | 2 47 4 | 12° 0'15 | 5♊50 | 23°23 | 25°34 | 9°20 | 19°11 | 25°21 | 28° 1 | 22°33 | 20°45 | 22°20 | 20°56 | 10°49 | n.a. | F 20 |
| S 21 | 2 51 1 | 13° 1'33 | 17°59 | 25° 0 | 26°40 | 10° 5 | 19°24 | 25°19 | 28° 3 | 22°36 | 20°46 | 22°11 | 20°53 | 10°56 | n.a. | S 21 |
| S 22 | 2 54 57 | 14° 2'51 | 29°59 | 26°37 | 27°46 | 10°49 | 19°36 | 25°16 | 28° 4 | 22°38 | 20°47 | 22° 1 | 20°50 | 11° 3 | n.a. | S 22 |
| M23 | 2 58 54 | 15° 4'09 | 11♋54 | 28°15 | 28°52 | 11°34 | 19°49 | 25°14 | 28° 6 | 22°40 | 20°47 | 21°54 | 20°47 | 11°10 | n.a. | M23 |
| T 24 | 3 2 50 | 16° 5'27 | 23°44 | 29°51 | 29°58 | 12°19 | 20° 2 | 25°12 | 28° 7 | 22°42 | 20°48 | 21°49 | 20°44 | 11°16 | n.a. | T 24 |
| W25 | 3 6 47 | 17° 6'45 | 5♌36 | 1♐27 | 1♎ 5 | 13° 3 | 20°16 | 25°10 | 28° 9 | 22°44 | 20°48 | 21°46 | 20°41 | 11°23 | n.a. | W25 |
| T 26 | 3 10 43 | 18° 8'02 | 17°33 | 3° 3 | 2°11 | 13°48 | 20°29 | 25° 8 | 28°10 | 22°46 | 20°49 | 21°D45 | 20°37 | 11°30 | n.a. | T 26 |
| F 27 | 3 14 40 | 19° 9'19 | 29°41 | 4°37 | 3°18 | 14°32 | 20°42 | 25° 6 | 28°12 | 22°48 | 20°49 | 21°45 | 20°34 | 11°36 | n.a. | F 27 |
| S 28 | 3 18 37 | 20°10'36 | 12♍ 5 | 6°10 | 4°26 | 15°17 | 20°55 | 25° 4 | 28°13 | 22°50 | 20°50 | 21°46 | 20°31 | 11°43 | n.a. | S 28 |
| S 29 | 3 22 33 | 21°11'53 | 24°51 | 7°42 | 5°33 | 16° 1 | 21° 9 | 25° 2 | 28°14 | 22°53 | 20°50 | 21°R47 | 20°28 | 11°50 | n.a. | S 29 |
| M30 | 3 26 30 | 22♏13'09 | 8♎ 1 | 9♐11 | 6♎41 | 16♑46 | 21♐22 | 25♓ 1 | 28♌15 | 22♎55 | 20♌51 | 21♓45 | 20♓25 | 11♋57 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8s58 | 5n41 | 0n34 | 9s51 | 0s50 | 10n46 | 1n20 | 25s29 | 1s39 | 23s39 | 0s33 | 4s 3 | 2s51 | 13n22 | 0n47 | 6s56 | 1n53 | 30n50 | 16n52 | 2s41 | 3s15 | 28n33 | | n.a. |
| M 2 | 9 21 | 0s42 | 0s38 | 10 32 | 0 56 | 10 29 | 1 25 | 25 30 | 1 39 | 23 41 | 0 33 | 4 5 | 2 51 | 13 21 | 0 47 | 6 57 | 1 53 | 30 50 | 16 53 | 2 41 | 3 17 | 28 32 | | n.a. |
| T 3 | 9 44 | 7 13 | 1 49 | 11 12 | 1 2 | 10 11 | 1 30 | 25 31 | 1 38 | 23 42 | 0 34 | 4 6 | 2 51 | 13 20 | 0 47 | 6 58 | 1 53 | 30 50 | 16 53 | 2 42 | 3 18 | 28 32 | | n.a. |
| W 4 | 10 7 | 13 35 | 2 56 | 11 53 | 1 7 | 9 53 | 1 35 | 25 31 | 1 37 | 23 43 | 0 34 | 4 8 | 2 51 | 13 20 | 0 47 | 6 58 | 1 53 | 30 50 | 16 54 | 2 43 | 3 19 | 28 31 | | n.a. |
| T 5 | 10 29 | 19 22 | 3 54 | 12 33 | 1 13 | 9 34 | 1 39 | 25 31 | 1 37 | 23 44 | 0 34 | 4 9 | 2 50 | 13 19 | 0 47 | 6 59 | 1 53 | 30 50 | 16 54 | 2 45 | 3 21 | 28 30 | | n.a. |
| F 6 | 10 52 | 24 10 | 4 37 | 13 12 | 1 18 | 9 15 | 1 44 | 25 31 | 1 36 | 23 46 | 0 34 | 4 10 | 2 50 | 13 18 | 0 47 | 7 0 | 1 53 | 30 50 | 16 55 | 2 47 | 3 22 | 28 29 | | n.a. |
| S 7 | 11 14 | 27 29 | 5 3 | 13 50 | 1 23 | 8 55 | 1 48 | 25 31 | 1 35 | 23 47 | 0 34 | 4 12 | 2 50 | 13 17 | 0 47 | 7 1 | 1 53 | 30 50 | 16 56 | 2 50 | 3 23 | 28 28 | | n.a. |
| S 8 | 11 36 | 29 0 | 5 10 | 14 29 | 1 28 | 8 35 | 1 52 | 25 30 | 1 35 | 23 48 | 0 34 | 4 13 | 2 50 | 13 17 | 0 47 | 7 2 | 1 53 | 30 50 | 16 56 | 2 52 | 3 24 | 28 28 | | n.a. |
| M 9 | 11 58 | 28 31 | 4 58 | 15 6 | 1 33 | 8 14 | 1 56 | 25 29 | 1 34 | 23 49 | 0 34 | 4 14 | 2 50 | 13 16 | 0 47 | 7 3 | 1 53 | 30 51 | 16 57 | 2 53 | 3 26 | 28 27 | | n.a. |
| T 10 | 12 20 | 26 10 | 4 27 | 15 43 | 1 37 | 7 53 | 1 59 | 25 28 | 1 33 | 23 51 | 0 34 | 4 15 | 2 49 | 13 15 | 0 47 | 7 4 | 1 53 | 30 51 | 16 57 | 2 54 | 3 27 | 28 26 | | n.a. |
| W11 | 12 42 | 22 13 | 3 40 | 16 19 | 1 41 | 7 32 | 2 3 | 25 26 | 1 33 | 23 52 | 0 34 | 4 17 | 2 49 | 13 14 | 0 47 | 7 4 | 1 53 | 30 51 | 16 58 | 2 54 | 3 28 | 28 25 | | n.a. |
| T 12 | 13 3 | 17 5 | 2 41 | 16 54 | 1 45 | 7 10 | 2 6 | 25 25 | 1 32 | 23 53 | 0 34 | 4 18 | 2 49 | 13 14 | 0 47 | 7 5 | 1 53 | 30 51 | 16 58 | 2 54 | 3 29 | 28 25 | | n.a. |
| F 13 | 13 24 | 11 10 | 1 33 | 17 28 | 1 49 | 6 47 | 2 9 | 25 23 | 1 31 | 23 54 | 0 34 | 4 19 | 2 49 | 13 13 | 0 47 | 7 6 | 1 53 | 30 51 | 16 59 | 2 53 | 3 31 | 28 24 | | n.a. |
| S 14 | 13 45 | 4 49 | 0 22 | 18 2 | 1 52 | 6 25 | 2 12 | 25 20 | 1 30 | 23 56 | 0 34 | 4 20 | 2 48 | 13 12 | 0 47 | 7 7 | 1 53 | 30 51 | 16 59 | 2 53 | 3 32 | 28 23 | | n.a. |
| S 15 | 14 5 | 1n39 | 0n50 | 18 34 | 1 55 | 6 2 | 2 15 | 25 18 | 1 30 | 23 57 | 0 34 | 4 21 | 2 48 | 13 12 | 0 47 | 7 8 | 1 53 | 30 52 | 17 0 | 2 53 | 3 33 | 28 22 | | n.a. |
| M16 | 14 26 | 7 57 | 1 58 | 19 6 | 1 58 | 5 39 | 2 18 | 25 15 | 1 29 | 23 58 | 0 34 | 4 22 | 2 48 | 13 11 | 0 47 | 7 9 | 1 54 | 30 52 | 17 1 | 2 54 | 3 35 | 28 21 | | n.a. |
| T 17 | 14 46 | 13 49 | 2 59 | 19 36 | 2 1 | 5 15 | 2 20 | 25 12 | 1 28 | 23 59 | 0 34 | 4 23 | 2 48 | 13 10 | 0 47 | 7 9 | 1 54 | 30 52 | 17 1 | 2 56 | 3 36 | 28 20 | | n.a. |
| W18 | 15 6 | 19 2 | 3 49 | 20 6 | 2 3 | 4 51 | 2 23 | 25 9 | 1 28 | 24 0 | 0 34 | 4 24 | 2 47 | 13 10 | 0 47 | 7 10 | 1 54 | 30 52 | 17 2 | 2 58 | 3 37 | 28 19 | | n.a. |
| T 19 | 15 25 | 23 20 | 4 28 | 20 34 | 2 4 | 4 27 | 2 25 | 25 5 | 1 27 | 24 1 | 0 34 | 4 25 | 2 47 | 13 9 | 0 48 | 7 11 | 1 54 | 30 53 | 17 2 | 3 2 | 3 38 | 28 19 | | n.a. |
| F 20 | 15 45 | 26 31 | 4 53 | 21 1 | 2 5 | 4 2 | 2 27 | 25 1 | 1 26 | 24 3 | 0 34 | 4 26 | 2 47 | 13 9 | 0 48 | 7 12 | 1 54 | 30 53 | 17 3 | 3 6 | 3 40 | 28 18 | | n.a. |
| S 21 | 16 4 | 28 26 | 5 5 | 21 26 | 2 6 | 3 37 | 2 29 | 24 57 | 1 25 | 24 4 | 0 34 | 4 26 | 2 47 | 13 8 | 0 48 | 7 13 | 1 54 | 30 53 | 17 3 | 3 10 | 3 41 | 28 17 | | n.a. |
| S 22 | 16 23 | 28 58 | 5 3 | 21 50 | 2 6 | 3 12 | 2 31 | 24 53 | 1 25 | 24 5 | 0 34 | 4 27 | 2 46 | 13 8 | 0 48 | 7 13 | 1 54 | 30 53 | 17 4 | 3 14 | 3 42 | 28 16 | | n.a. |
| M23 | 16 41 | 28 9 | 4 48 | 22 13 | 2 6 | 2 47 | 2 32 | 24 48 | 1 24 | 24 6 | 0 34 | 4 28 | 2 46 | 13 7 | 0 48 | 7 14 | 1 54 | 30 54 | 17 5 | 3 17 | 3 43 | 28 15 | | n.a. |
| T 24 | 16 59 | 26 3 | 4 20 | 22 34 | 2 5 | 2 21 | 2 34 | 24 43 | 1 23 | 24 7 | 0 35 | 4 28 | 2 46 | 13 7 | 0 48 | 7 15 | 1 54 | 30 54 | 17 5 | 3 19 | 3 45 | 28 14 | | n.a. |
| W25 | 17 17 | 22 49 | 3 41 | 22 53 | 2 4 | 1 55 | 2 35 | 24 38 | 1 22 | 24 8 | 0 35 | 4 29 | 2 46 | 13 6 | 0 48 | 7 16 | 1 54 | 30 54 | 17 6 | 3 20 | 3 46 | 28 13 | | n.a. |
| T 26 | 17 35 | 18 37 | 2 53 | 23 10 | 2 1 | 1 29 | 2 36 | 24 33 | 1 22 | 24 9 | 0 35 | 4 29 | 2 45 | 13 6 | 0 48 | 7 17 | 1 54 | 30 55 | 17 6 | 3 20 | 3 47 | 28 12 | | n.a. |
| F 27 | 17 52 | 13 36 | 1 55 | 23 26 | 1 59 | 1 3 | 2 37 | 24 27 | 1 21 | 24 10 | 0 35 | 4 30 | 2 45 | 13 5 | 0 48 | 7 17 | 1 54 | 30 55 | 17 7 | 3 20 | 3 49 | 28 11 | | n.a. |
| S 28 | 18 9 | 7 57 | 0 52 | 23 40 | 1 55 | 0 37 | 2 38 | 24 21 | 1 20 | 24 11 | 0 35 | 4 30 | 2 45 | 13 5 | 0 48 | 7 18 | 1 54 | 30 56 | 17 8 | 3 20 | 3 50 | 28 10 | | n.a. |
| S 29 | 18 25 | 1 50 | 0s16 | 23 51 | 1 51 | 0 10 | 2 38 | 24 15 | 1 19 | 24 12 | 0 35 | 4 31 | 2 44 | 13 5 | 0 48 | 7 19 | 1 54 | 30 56 | 17 8 | 3 20 | 3 51 | 28 10 | | n.a. |
| M30 | 18s42 | 4s33 | 1s26 | 24s 1 | 1s46 | 0s17 | 2n39 | 24s 9 | 1s19 | 24s13 | 0s35 | 4s31 | 2s44 | 13n 4 | 0n48 | 7s20 | 1n54 | 30n56 | 17n 9 | 3s20 | 3s52 | 28n 9 | | n.a. |

Julian Day Number = 999262.5, Delta T = 12h53m09s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'58, Lahiri = -31°12'58 Julian Calendar 1 Nov. 1978 BCE == Greg. Calendar 15 Oct. 1978 BCE


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# ASTRODIENST EPHEMERIS for the year 1978 BCE
# geocentric

## DECEMBER 1978 BCE (-1977) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 30 26 | 23♏14'24 | 21♎39 | 10♐39 | 7♎48 | 17♑30 | 21♐35 | 24°R59 | 28♌16 | 22♎57 | 20♌51 | 21°R42 | 20♓21 | 12♋ 3 | n.a. | T 1 |
| W 2 | 3 34 23 | 24°15'39 | 5♏44 | 12° 3 | 8°56 | 18°15 | 21°49 | 24♓58 | 28°17 | 22°59 | 20°51 | 21♓35 | 20°18 | 12°10 | n.a. | W 2 |
| T 3 | 3 38 19 | 25°16'54 | 20°13 | 13°24 | 10° 5 | 18°59 | 22° 2 | 24°57 | 28°18 | 23° 1 | 20°52 | 21°27 | 20°15 | 12°17 | n.a. | T 3 |
| F 4 | 3 42 16 | 26°18'08 | 5♐ 0 | 14°42 | 11°13 | 19°43 | 22°16 | 24°56 | 28°19 | 23° 3 | 20°52 | 21°16 | 20°12 | 12°23 | n.a. | F 4 |
| S 5 | 3 46 13 | 27°19'21 | 19°56 | 15°54 | 12°21 | 20°28 | 22°30 | 24°55 | 28°20 | 23° 5 | 20°52 | 21° 6 | 20° 9 | 12°30 | n.a. | S 5 |
| S 6 | 3 50 9 | 28°20'33 | 4♑53 | 17° 2 | 13°30 | 21°12 | 22°43 | 24°54 | 28°21 | 23° 7 | 20°52 | 20°56 | 20° 6 | 12°37 | n.a. | S 6 |
| M 7 | 3 54 6 | 29°21'43 | 19°41 | 18° 3 | 14°39 | 21°56 | 22°57 | 24°53 | 28°22 | 23° 8 | 20°53 | 20°48 | 20° 2 | 12°44 | n.a. | M 7 |
| T 8 | 3 58 2 | 0♐22'53 | 4♒13 | 18°57 | 15°48 | 22°41 | 23°11 | 24°53 | 28°22 | 23°10 | 20°53 | 20°43 | 19°59 | 12°50 | n.a. | T 8 |
| W 9 | 4 1 59 | 1°24'01 | 18°26 | 19°44 | 16°57 | 23°25 | 23°25 | 24°52 | 28°23 | 23°12 | 20°53 | 20°40 | 19°56 | 12°57 | n.a. | W 9 |
| T 10 | 4 5 55 | 2°25'08 | 2♓19 | 20°22 | 18° 6 | 24° 9 | 23°39 | 24°52 | 28°24 | 23°14 | 20°R53 | 20°D40 | 19°53 | 13° 4 | n.a. | T 10 |
| F 11 | 4 9 52 | 3°26'14 | 15°52 | 20°50 | 19°15 | 24°53 | 23°52 | 24°51 | 28°24 | 23°16 | 20°53 | 20°R40 | 19°50 | 13°10 | n.a. | F 11 |
| S 12 | 4 13 49 | 4°27'18 | 29° 6 | 21° 9 | 20°25 | 25°37 | 24° 6 | 24°51 | 28°25 | 23°18 | 20°53 | 20°40 | 19°47 | 13°17 | n.a. | S 12 |
| S 13 | 4 17 45 | 5°28'20 | 12♈ 6 | 21°R16 | 21°34 | 26°21 | 24°20 | 24°D51 | 28°25 | 23°20 | 20°53 | 20°38 | 19°43 | 13°24 | n.a. | S 13 |
| M14 | 4 21 42 | 6°29'22 | 24°53 | 21°12 | 22°44 | 27° 6 | 24°34 | 24°51 | 28°25 | 23°21 | 20°53 | 20°33 | 19°40 | 13°31 | n.a. | M14 |
| T 15 | 4 25 38 | 7°30'22 | 7♉28 | 20°57 | 23°54 | 27°50 | 24°48 | 24°51 | 28°26 | 23°23 | 20°52 | 20°26 | 19°37 | 13°37 | n.a. | T 15 |
| W16 | 4 29 35 | 8°31'20 | 19°55 | 20°30 | 25° 4 | 28°34 | 25° 2 | 24°51 | 28°26 | 23°25 | 20°52 | 20°16 | 19°34 | 13°44 | n.a. | W16 |
| T 17 | 4 33 31 | 9°32'17 | 2♊12 | 19°53 | 26°14 | 29°18 | 25°16 | 24°52 | 28°26 | 23°27 | 20°52 | 20° 3 | 19°31 | 13°51 | n.a. | T 17 |
| F 18 | 4 37 28 | 10°33'13 | 14°22 | 19° 6 | 27°24 | 0♒ 2 | 25°30 | 24°52 | 28°26 | 23°28 | 20°52 | 19°48 | 19°27 | 13°57 | n.a. | F 18 |
| S 19 | 4 41 24 | 11°34'08 | 26°25 | 18°10 | 28°34 | 0°46 | 25°45 | 24°53 | 28°27 | 23°30 | 20°51 | 19°34 | 19°24 | 14° 4 | n.a. | S 19 |
| S 20 | 4 45 21 | 12°35'02 | 8♋21 | 17° 7 | 29°45 | 1°29 | 25°59 | 24°54 | 28°R27 | 23°32 | 20°51 | 19°20 | 19°21 | 14°11 | n.a. | S 20 |
| M21 | 4 49 18 | 13°35'54 | 20°13 | 15°58 | 0♏55 | 2°13 | 26°13 | 24°55 | 28°27 | 23°33 | 20°51 | 19° 8 | 19°18 | 14°18 | n.a. | M21 |
| T 22 | 4 53 14 | 14°36'44 | 2♌ 3 | 14°47 | 2° 6 | 2°57 | 26°27 | 24°56 | 28°26 | 23°35 | 20°50 | 18°59 | 19°15 | 14°24 | n.a. | T 22 |
| W23 | 4 57 11 | 15°37'34 | 13°53 | 13°34 | 3°16 | 3°41 | 26°41 | 24°57 | 28°26 | 23°37 | 20°50 | 18°53 | 19°12 | 14°31 | n.a. | W23 |
| T 24 | 5 1 7 | 16°38'22 | 25°49 | 12°22 | 4°27 | 4°25 | 26°56 | 24°58 | 28°26 | 23°38 | 20°50 | 18°50 | 19° 8 | 14°38 | n.a. | T 24 |
| F 25 | 5 5 4 | 17°39'09 | 7♍54 | 11°13 | 5°38 | 5° 8 | 27°10 | 24°59 | 28°26 | 23°40 | 20°49 | 18°48 | 19° 5 | 14°44 | n.a. | F 25 |
| S 26 | 5 9 0 | 18°39'54 | 20°14 | 10° 8 | 6°48 | 5°52 | 27°24 | 25° 1 | 28°26 | 23°41 | 20°49 | 18°48 | 19° 2 | 14°51 | n.a. | S 26 |
| S 27 | 5 12 57 | 19°40'39 | 2♎54 | 9° 9 | 7°59 | 6°36 | 27°38 | 25° 2 | 28°25 | 23°43 | 20°48 | 18°48 | 18°59 | 14°58 | n.a. | S 27 |
| M28 | 5 16 54 | 20°41'21 | 15°59 | 8°16 | 9°10 | 7°19 | 27°53 | 25° 4 | 28°25 | 23°44 | 20°47 | 18°46 | 18°56 | 15° 4 | n.a. | M28 |
| T 29 | 5 20 50 | 21°42'03 | 29°32 | 7°31 | 10°21 | 8° 3 | 28° 7 | 25° 5 | 28°24 | 23°45 | 20°47 | 18°42 | 18°53 | 15°11 | n.a. | T 29 |
| W30 | 5 24 47 | 22°42'43 | 13♏36 | 6°54 | 11°33 | 8°46 | 28°21 | 25° 7 | 28°24 | 23°47 | 20°46 | 18°36 | 18°49 | 15°18 | n.a. | W30 |
| T 31 | 5 28 43 | 23♐43'22 | 28♏ 9 | 6♐25 | 12♏44 | 9♒30 | 28♐36 | 25♓ 9 | 28♌23 | 23♎48 | 20♌46 | 18♓26 | 18♓46 | 15♋25 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 18s58 | 10s57 | 2s32 | 24s 8 | 1s39 | 0s44 | 2n39 | 24s 2 | 1s18 | 24s14 | 0s35 | 4s31 | 2s44 | 13n 4 | 0n48 | 7s20 | 1n54 | 30n57 | 17n 9 | 3s22 | 3s54 | 28n 8 | | | n.a. |
| W 2 | 19 13 | 17 1 | 3 32 | 24 13 | 1 32 | 1 11 | 2 40 | 23 56 | 1 17 | 24 15 | 0 35 | 4 32 | 2 43 | 13 3 | 0 48 | 7 21 | 1 54 | 30 57 | 17 10 | 3 24 | 3 55 | 28 7 | | | n.a. |
| T 3 | 19 28 | 22 18 | 4 19 | 24 16 | 1 24 | 1 38 | 2 40 | 23 49 | 1 16 | 24 16 | 0 35 | 4 32 | 2 43 | 13 3 | 0 48 | 7 22 | 1 54 | 30 58 | 17 11 | 3 28 | 3 56 | 28 6 | | | n.a. |
| F 4 | 19 43 | 26 19 | 4 50 | 24 17 | 1 15 | 2 5 | 2 40 | 23 41 | 1 16 | 24 17 | 0 35 | 4 32 | 2 43 | 13 3 | 0 48 | 7 23 | 1 54 | 30 58 | 17 11 | 3 32 | 3 58 | 28 5 | | | n.a. |
| S 5 | 19 57 | 28 33 | 5 2 | 24 15 | 1 5 | 2 32 | 2 40 | 23 34 | 1 15 | 24 18 | 0 35 | 4 32 | 2 43 | 13 3 | 0 48 | 7 23 | 1 54 | 30 59 | 17 12 | 3 36 | 3 59 | 28 4 | | | n.a. |
| S 6 | 20 12 | 28 43 | 4 53 | 24 11 | 0 54 | 2 59 | 2 40 | 23 26 | 1 14 | 24 18 | 0 35 | 4 32 | 2 42 | 13 2 | 0 48 | 7 24 | 1 54 | 30 59 | 17 12 | 3 40 | 4 0 | 28 3 | | | n.a. |
| M 7 | 20 25 | 26 49 | 4 25 | 24 4 | 0 42 | 3 27 | 2 39 | 23 18 | 1 13 | 24 19 | 0 35 | 4 32 | 2 42 | 13 2 | 0 48 | 7 25 | 1 54 | 31 0 | 17 13 | 3 43 | 4 1 | 28 2 | | | n.a. |
| T 8 | 20 39 | 23 9 | 3 40 | 23 56 | 0 29 | 3 54 | 2 39 | 23 10 | 1 13 | 24 20 | 0 35 | 4 32 | 2 42 | 13 2 | 0 48 | 7 25 | 1 54 | 31 0 | 17 14 | 3 45 | 4 3 | 28 1 | | | n.a. |
| W 9 | 20 51 | 18 10 | 2 42 | 23 45 | 0 14 | 4 22 | 2 38 | 23 2 | 1 12 | 24 21 | 0 35 | 4 32 | 2 41 | 13 2 | 0 48 | 7 26 | 1 54 | 31 1 | 17 14 | 3 46 | 4 4 | 28 0 | | | n.a. |
| T 10 | 21 4 | 12 21 | 1 36 | 23 33 | 0n 1 | 4 49 | 2 38 | 22 53 | 1 11 | 24 22 | 0 36 | 4 32 | 2 41 | 13 2 | 0 48 | 7 27 | 1 54 | 31 1 | 17 15 | 3 46 | 4 5 | 27 59 | | | n.a. |
| F 11 | 21 16 | 6 5 | 0 25 | 23 18 | 0 18 | 5 17 | 2 37 | 22 44 | 1 10 | 24 22 | 0 36 | 4 32 | 2 41 | 13 1 | 0 48 | 7 27 | 1 54 | 31 2 | 17 15 | 3 46 | 4 6 | 27 58 | | | n.a. |
| S 12 | 21 28 | 0n19 | 0n45 | 23 2 | 0 35 | 5 44 | 2 36 | 22 35 | 1 10 | 24 23 | 0 36 | 4 32 | 2 40 | 13 1 | 0 49 | 7 28 | 1 54 | 31 2 | 17 16 | 3 46 | 4 8 | 27 56 | | | n.a. |
| S 13 | 21 39 | 6 34 | 1 51 | 22 44 | 0 53 | 6 11 | 2 35 | 22 26 | 1 9 | 24 24 | 0 36 | 4 31 | 2 40 | 13 1 | 0 49 | 7 29 | 1 54 | 31 3 | 17 17 | 3 47 | 4 9 | 27 55 | | | n.a. |
| M14 | 21 50 | 12 27 | 2 50 | 22 26 | 1 12 | 6 39 | 2 34 | 22 16 | 1 8 | 24 24 | 0 36 | 4 31 | 2 40 | 13 1 | 0 49 | 7 29 | 1 54 | 31 4 | 17 17 | 3 49 | 4 10 | 27 54 | | | n.a. |
| T 15 | 22 0 | 17 45 | 3 40 | 22 6 | 1 31 | 7 6 | 2 33 | 22 7 | 1 7 | 24 25 | 0 36 | 4 31 | 2 39 | 13 1 | 0 49 | 7 30 | 1 54 | 31 4 | 17 18 | 3 52 | 4 11 | 27 53 | | | n.a. |
| W16 | 22 10 | 22 13 | 4 19 | 21 45 | 1 50 | 7 33 | 2 31 | 21 57 | 1 6 | 24 26 | 0 36 | 4 30 | 2 39 | 13 1 | 0 49 | 7 31 | 1 54 | 31 5 | 17 18 | 3 56 | 4 13 | 27 52 | | | n.a. |
| T 17 | 22 20 | 25 41 | 4 45 | 21 24 | 2 8 | 8 0 | 2 30 | 21 47 | 1 6 | 24 26 | 0 36 | 4 30 | 2 39 | 13 1 | 0 49 | 7 31 | 1 54 | 31 5 | 17 19 | 4 1 | 4 14 | 27 51 | | | n.a. |
| F 18 | 22 29 | 27 55 | 4 58 | 21 3 | 2 26 | 8 27 | 2 28 | 21 37 | 1 5 | 24 27 | 0 36 | 4 29 | 2 38 | 13 1 | 0 49 | 7 32 | 1 54 | 31 6 | 17 19 | 4 7 | 4 15 | 27 50 | | | n.a. |
| S 19 | 22 38 | 28 50 | 4 57 | 20 41 | 2 43 | 8 54 | 2 27 | 21 26 | 1 4 | 24 27 | 0 36 | 4 29 | 2 38 | 13 1 | 0 49 | 7 32 | 1 54 | 31 7 | 17 20 | 4 13 | 4 17 | 27 49 | | | n.a. |
| S 20 | 22 46 | 28 22 | 4 43 | 20 20 | 2 58 | 9 21 | 2 25 | 21 16 | 1 3 | 24 28 | 0 36 | 4 28 | 2 38 | 13 1 | 0 49 | 7 33 | 1 54 | 31 7 | 17 21 | 4 18 | 4 18 | 27 48 | | | n.a. |
| M21 | 22 54 | 26 36 | 4 17 | 20 0 | 3 11 | 9 48 | 2 23 | 21 5 | 1 3 | 24 28 | 0 36 | 4 28 | 2 37 | 13 1 | 0 49 | 7 33 | 1 54 | 31 8 | 17 21 | 4 23 | 4 19 | 27 47 | | | n.a. |
| T 22 | 23 1 | 23 40 | 3 40 | 19 41 | 3 22 | 10 14 | 2 21 | 20 54 | 1 2 | 24 29 | 0 36 | 4 27 | 2 37 | 13 1 | 0 49 | 7 34 | 1 55 | 31 9 | 17 22 | 4 27 | 4 20 | 27 45 | | | n.a. |
| W23 | 23 8 | 19 45 | 2 53 | 19 24 | 3 31 | 10 40 | 2 19 | 20 43 | 1 1 | 24 29 | 0 37 | 4 26 | 2 37 | 13 1 | 0 49 | 7 35 | 1 55 | 31 9 | 17 22 | 4 29 | 4 22 | 27 44 | | | n.a. |
| T 24 | 23 14 | 15 1 | 1 58 | 19 8 | 3 38 | 11 6 | 2 17 | 20 31 | 1 0 | 24 30 | 0 37 | 4 26 | 2 36 | 13 1 | 0 49 | 7 35 | 1 55 | 31 10 | 17 23 | 4 30 | 4 23 | 27 43 | | | n.a. |
| F 25 | 23 20 | 9 40 | 0 57 | 18 54 | 3 43 | 11 32 | 2 15 | 20 20 | 1 0 | 24 30 | 0 37 | 4 25 | 2 36 | 13 1 | 0 49 | 7 36 | 1 55 | 31 11 | 17 23 | 4 31 | 4 24 | 27 42 | | | n.a. |
| S 26 | 23 26 | 3 50 | 0s 8 | 18 43 | 3 45 | 11 58 | 2 13 | 20 8 | 0 59 | 24 31 | 0 37 | 4 24 | 2 36 | 13 2 | 0 49 | 7 36 | 1 55 | 31 11 | 17 24 | 4 31 | 4 25 | 27 41 | | | n.a. |
| S 27 | 23 31 | 2s18 | 1 14 | 18 34 | 3 44 | 12 24 | 2 11 | 19 56 | 0 58 | 24 31 | 0 37 | 4 23 | 2 36 | 13 2 | 0 49 | 7 37 | 1 55 | 31 12 | 17 24 | 4 31 | 4 27 | 27 40 | | | n.a. |
| M28 | 23 35 | 8 32 | 2 18 | 18 28 | 3 42 | 12 49 | 2 9 | 19 44 | 0 57 | 24 31 | 0 37 | 4 22 | 2 35 | 13 2 | 0 49 | 7 37 | 1 55 | 31 13 | 17 25 | 4 32 | 4 28 | 27 39 | | | n.a. |
| T 29 | 23 39 | 14 36 | 3 17 | 18 25 | 3 39 | 13 14 | 2 6 | 19 32 | 0 56 | 24 32 | 0 37 | 4 21 | 2 35 | 13 2 | 0 49 | 7 38 | 1 55 | 31 13 | 17 26 | 4 33 | 4 29 | 27 37 | | | n.a. |
| W30 | 23 43 | 20 9 | 4 7 | 18 24 | 3 33 | 13 38 | 2 4 | 19 20 | 0 56 | 24 32 | 0 37 | 4 20 | 2 35 | 13 2 | 0 49 | 7 38 | 1 55 | 31 14 | 17 26 | 4 36 | 4 31 | 27 36 | | | n.a. |
| T 31 | 23s46 | 24s43 | 4s42 | 18s26 | 3n26 | 14s 3 | 2n 1 | 19s 7 | 0s55 | 24s32 | 0s37 | 4s19 | 2s34 | 13n 3 | 0n49 | 7s39 | 1n55 | 31n15 | 17n27 | 4s40 | 4s32 | 27n35 | | | n.a. |

Julian Day Number = 999292.5, Delta T = 12h53m07s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'54, Lahiri = -31°12'54 Julian Calendar 1 Dec. 1978 BCE == Greg. Calendar 14 Nov. 1978 BCE

The year -1977 astronomical counting style corresponds to year 1978 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## JANUARY 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 32 40 | 24♐43'59 | 13♐ 6 | 6°R 3 | 13♏55 | 10♒13 | 28♐50 | 25♓11 | 28°R23 | 23♎50 | 20°R45 | 18°R15 | 18♓43 | 15♋31 | n.a. | F 1 |
| S 2 | 5 36 36 | 25°44'35 | 28°18 | 5♐49 | 15° 6 | 10°57 | 29° 4 | 25°14 | 28♎22 | 23°51 | 20♎44 | 18♓ 3 | 18°40 | 15°38 | n.a. | S 2 |
| S 3 | 5 40 33 | 26°45'09 | 13♑35 | 5°D43 | 16°18 | 11°40 | 29°19 | 25°16 | 28°21 | 23°52 | 20°43 | 17°52 | 18°37 | 15°45 | n.a. | S 3 |
| M 4 | 5 44 29 | 27°45'41 | 28°44 | 5°44 | 17°29 | 12°24 | 29°33 | 25°18 | 28°20 | 23°53 | 20°42 | 17°43 | 18°33 | 15°51 | n.a. | M 4 |
| T 5 | 5 48 26 | 28°46'10 | 13♒37 | 5°52 | 18°41 | 13° 7 | 29°47 | 25°21 | 28°20 | 23°55 | 20°42 | 17°37 | 18°30 | 15°58 | n.a. | T 5 |
| W 6 | 5 52 23 | 29°46'38 | 28° 7 | 6° 6 | 19°52 | 13°50 | 0♑ 2 | 25°24 | 28°19 | 23°56 | 20°41 | 17°34 | 18°27 | 16° 5 | n.a. | W 6 |
| T 7 | 5 56 19 | 0♑47'04 | 12♓11 | 6°26 | 21° 4 | 14°34 | 0°16 | 25°26 | 28°18 | 23°57 | 20°40 | 17°D33 | 18°24 | 16°12 | n.a. | T 7 |
| F 8 | 6 0 16 | 1°47'27 | 25°49 | 6°51 | 22°15 | 15°17 | 0°30 | 25°29 | 28°17 | 23°58 | 20°39 | 17°R33 | 18°21 | 16°18 | n.a. | F 8 |
| S 9 | 6 4 12 | 2°47'48 | 9♈ 3 | 7°21 | 23°27 | 16° 0 | 0°45 | 25°32 | 28°16 | 23°59 | 20°38 | 17°33 | 18°18 | 16°25 | n.a. | S 9 |
| S 10 | 6 8 9 | 3°48'07 | 21°57 | 7°56 | 24°39 | 16°43 | 0°59 | 25°35 | 28°15 | 24° 0 | 20°37 | 17°31 | 18°14 | 16°32 | n.a. | S 10 |
| M11 | 6 12 5 | 4°48'23 | 4♉34 | 8°36 | 25°50 | 17°26 | 1°13 | 25°38 | 28°14 | 24° 1 | 20°36 | 17°28 | 18°11 | 16°38 | n.a. | M11 |
| T 12 | 6 16 2 | 5°48'38 | 16°58 | 9°19 | 27° 2 | 18° 9 | 1°28 | 25°42 | 28°12 | 24° 2 | 20°35 | 17°21 | 18° 8 | 16°45 | n.a. | T 12 |
| W13 | 6 19 58 | 6°48'50 | 29°11 | 10° 6 | 28°14 | 18°52 | 1°42 | 25°45 | 28°11 | 24° 3 | 20°34 | 17°12 | 18° 5 | 16°52 | n.a. | W13 |
| T 14 | 6 23 55 | 7°49'00 | 11♊17 | 10°57 | 29°26 | 19°35 | 1°56 | 25°48 | 28°10 | 24° 4 | 20°33 | 17° 0 | 18° 2 | 16°59 | n.a. | T 14 |
| F 15 | 6 27 52 | 8°49'09 | 23°17 | 11°51 | 0♐37 | 20°18 | 2°11 | 25°52 | 28° 9 | 24° 5 | 20°32 | 16°48 | 17°59 | 17° 5 | n.a. | F 15 |
| S 16 | 6 31 48 | 9°49'14 | 5♋13 | 12°48 | 1°49 | 21° 1 | 2°25 | 25°56 | 28° 7 | 24° 6 | 20°31 | 16°34 | 17°55 | 17°12 | n.a. | S 16 |
| S 17 | 6 35 45 | 10°49'18 | 17° 5 | 13°47 | 3° 1 | 21°44 | 2°39 | 25°59 | 28° 6 | 24° 7 | 20°29 | 16°22 | 17°52 | 17°19 | n.a. | S 17 |
| M18 | 6 39 41 | 11°49'20 | 28°56 | 14°50 | 4°13 | 22°27 | 2°54 | 26° 3 | 28° 4 | 24° 8 | 20°28 | 16°11 | 17°49 | 17°25 | n.a. | M18 |
| T 19 | 6 43 38 | 12°49'20 | 10♌47 | 15°54 | 5°25 | 23°10 | 3° 8 | 26° 7 | 28° 3 | 24° 9 | 20°27 | 16° 3 | 17°46 | 17°32 | n.a. | T 19 |
| W20 | 6 47 34 | 13°49'18 | 22°40 | 17° 1 | 6°37 | 23°52 | 3°22 | 26°11 | 28° 1 | 24° 9 | 20°26 | 15°58 | 17°43 | 17°39 | n.a. | W20 |
| T 21 | 6 51 31 | 14°49'14 | 4♍39 | 18°10 | 7°49 | 24°35 | 3°36 | 26°15 | 28° 0 | 24°10 | 20°25 | 15°55 | 17°39 | 17°45 | n.a. | T 21 |
| F 22 | 6 55 27 | 15°49'07 | 16°46 | 19°21 | 9° 1 | 25°18 | 3°51 | 26°19 | 27°58 | 24°11 | 20°23 | 15°D54 | 17°36 | 17°52 | n.a. | F 22 |
| S 23 | 6 59 24 | 16°48'59 | 29° 6 | 20°34 | 10°13 | 26° 0 | 4° 5 | 26°24 | 27°56 | 24°11 | 20°22 | 15°55 | 17°33 | 17°59 | n.a. | S 23 |
| S 24 | 7 3 21 | 17°48'49 | 11♎44 | 21°49 | 11°26 | 26°43 | 4°19 | 26°28 | 27°55 | 24°12 | 20°21 | 15°R55 | 17°30 | 18° 6 | n.a. | S 24 |
| M25 | 7 7 17 | 18°48'38 | 24°44 | 23° 6 | 12°38 | 27°26 | 4°33 | 26°33 | 27°53 | 24°13 | 20°19 | 15°55 | 17°27 | 18°12 | n.a. | M25 |
| T 26 | 7 11 14 | 19°48'24 | 8♏ 9 | 24°24 | 13°50 | 28° 8 | 4°47 | 26°37 | 27°51 | 24°13 | 20°18 | 15°54 | 17°24 | 18°19 | n.a. | T 26 |
| W27 | 7 15 10 | 20°48'08 | 22° 4 | 25°44 | 15° 2 | 28°51 | 5° 1 | 26°42 | 27°49 | 24°14 | 20°17 | 15°50 | 17°20 | 18°26 | n.a. | W27 |
| T 28 | 7 19 7 | 21°47'51 | 6♐27 | 27° 6 | 16°14 | 29°33 | 5°15 | 26°47 | 27°47 | 24°14 | 20°15 | 15°44 | 17°17 | 18°32 | n.a. | T 28 |
| F 29 | 7 23 3 | 22°47'32 | 21°16 | 28°29 | 17°27 | 0♓15 | 5°29 | 26°52 | 27°45 | 24°15 | 20°14 | 15°37 | 17°14 | 18°39 | n.a. | F 29 |
| S 30 | 7 27 0 | 23°47'11 | 6♑24 | 29°53 | 18°39 | 0°58 | 5°43 | 26°56 | 27°43 | 24°15 | 20°12 | 15°28 | 17°11 | 18°46 | n.a. | S 30 |
| S 31 | 7 30 56 | 24♑46'48 | 21♑42 | 1♑19 | 19♐51 | 1♓40 | 5♑57 | 27♓ 1 | 27♌41 | 24♎16 | 20♌11 | 15♓21 | 17♓ 8 | 18♋53 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23 s49 | 27 s46 | 4 s59 | 18 s30 | 3n19 | 14 s27 | 1n59 | 18 s54 | 0 s54 | 24 s32 | 0 s37 | 4 s18 | 2 s34 | 13n 3 | 0n49 | 7 s39 | 1n55 | 31n16 | 17n27 | 4 s44 | 4 s33 | 27n34 | | n.a. |
| S 2 | 23 51 | 28 50 | 4 55 | 18 36 | 3 10 | 14 51 | 1 56 | 18 41 | 0 53 | 24 33 | 0 37 | 4 16 | 2 34 | 13 3 | 0 49 | 7 40 | 1 55 | 31 16 | 17 28 | 4 49 | 4 34 | 27 33 | | n.a. |
| S 3 | 23 53 | 27 42 | 4 31 | 18 44 | 3 0 | 15 14 | 1 54 | 18 28 | 0 53 | 24 33 | 0 38 | 4 15 | 2 33 | 13 3 | 0 50 | 7 40 | 1 55 | 31 17 | 17 28 | 4 53 | 4 36 | 27 31 | | n.a. |
| M 4 | 23 54 | 24 32 | 3 47 | 18 54 | 2 50 | 15 37 | 1 51 | 18 15 | 0 52 | 24 33 | 0 38 | 4 14 | 2 33 | 13 4 | 0 50 | 7 40 | 1 55 | 31 18 | 17 29 | 4 57 | 4 37 | 27 30 | | n.a. |
| T 5 | 23 55 | 19 46 | 2 49 | 19 6 | 2 40 | 16 0 | 1 48 | 18 2 | 0 51 | 24 33 | 0 38 | 4 13 | 2 33 | 13 4 | 0 50 | 7 41 | 1 55 | 31 19 | 17 29 | 4 59 | 4 38 | 27 29 | | n.a. |
| W 6 | 23 55 | 13 56 | 1 41 | 19 19 | 2 29 | 16 22 | 1 45 | 17 49 | 0 50 | 24 33 | 0 38 | 4 11 | 2 32 | 13 4 | 0 50 | 7 41 | 1 55 | 31 19 | 17 30 | 5 1 | 4 39 | 27 28 | | n.a. |
| T 7 | 23 55 | 7 34 | 0 28 | 19 33 | 2 18 | 16 45 | 1 42 | 17 35 | 0 50 | 24 33 | 0 38 | 4 10 | 2 32 | 13 5 | 0 50 | 7 42 | 1 55 | 31 20 | 17 30 | 5 1 | 4 41 | 27 26 | | n.a. |
| F 8 | 23 55 | 1 2 | 0n44 | 19 49 | 2 7 | 17 6 | 1 40 | 17 21 | 0 49 | 24 33 | 0 38 | 4 9 | 2 32 | 13 5 | 0 50 | 7 42 | 1 55 | 31 21 | 17 31 | 5 1 | 4 42 | 27 25 | | n.a. |
| S 9 | 23 54 | 5n21 | 1 51 | 20 5 | 1 55 | 17 27 | 1 37 | 17 7 | 0 48 | 24 33 | 0 38 | 4 7 | 2 31 | 13 6 | 0 50 | 7 42 | 1 55 | 31 22 | 17 31 | 5 1 | 4 43 | 27 24 | | n.a. |
| S 10 | 23 52 | 11 22 | 2 51 | 20 22 | 1 44 | 17 48 | 1 34 | 16 54 | 0 47 | 24 33 | 0 38 | 4 6 | 2 31 | 13 6 | 0 50 | 7 43 | 1 55 | 31 22 | 17 32 | 5 2 | 4 44 | 27 22 | | n.a. |
| M11 | 23 50 | 16 46 | 3 42 | 20 39 | 1 33 | 18 8 | 1 31 | 16 39 | 0 47 | 24 33 | 0 38 | 4 4 | 2 31 | 13 6 | 0 50 | 7 43 | 1 56 | 31 23 | 17 32 | 5 3 | 4 46 | 27 21 | | n.a. |
| T 12 | 23 48 | 21 24 | 4 21 | 20 57 | 1 22 | 18 28 | 1 28 | 16 25 | 0 46 | 24 33 | 0 38 | 4 2 | 2 31 | 13 7 | 0 50 | 7 43 | 1 56 | 31 24 | 17 32 | 5 6 | 4 47 | 27 20 | | n.a. |
| W13 | 23 45 | 25 2 | 4 47 | 21 15 | 1 11 | 18 48 | 1 24 | 16 11 | 0 45 | 24 33 | 0 39 | 4 1 | 2 30 | 13 7 | 0 50 | 7 44 | 1 56 | 31 25 | 17 33 | 5 9 | 4 48 | 27 19 | | n.a. |
| T 14 | 23 41 | 27 32 | 5 0 | 21 33 | 1 0 | 19 7 | 1 21 | 15 56 | 0 44 | 24 33 | 0 39 | 3 59 | 2 30 | 13 8 | 0 50 | 7 44 | 1 56 | 31 26 | 17 33 | 5 14 | 4 50 | 27 17 | | n.a. |
| F 15 | 23 37 | 28 44 | 4 59 | 21 51 | 0 49 | 19 25 | 1 18 | 15 42 | 0 44 | 24 33 | 0 39 | 3 57 | 2 30 | 13 8 | 0 50 | 7 44 | 1 56 | 31 26 | 17 34 | 5 19 | 4 51 | 27 16 | | n.a. |
| S 16 | 23 33 | 28 35 | 4 46 | 22 9 | 0 39 | 19 43 | 1 15 | 15 27 | 0 43 | 24 33 | 0 39 | 3 56 | 2 29 | 13 9 | 0 50 | 7 45 | 1 56 | 31 27 | 17 34 | 5 24 | 4 52 | 27 15 | | n.a. |
| S 17 | 23 28 | 27 6 | 4 20 | 22 27 | 0 29 | 20 1 | 1 12 | 15 12 | 0 42 | 24 33 | 0 39 | 3 54 | 2 29 | 13 9 | 0 50 | 7 45 | 1 56 | 31 28 | 17 35 | 5 29 | 4 53 | 27 13 | | n.a. |
| M18 | 23 23 | 24 25 | 3 43 | 22 44 | 0 19 | 20 18 | 1 9 | 14 58 | 0 41 | 24 33 | 0 39 | 3 52 | 2 29 | 13 10 | 0 50 | 7 45 | 1 56 | 31 29 | 17 35 | 5 33 | 4 55 | 27 12 | | n.a. |
| T 19 | 23 17 | 20 41 | 2 56 | 23 1 | 0 9 | 20 34 | 1 5 | 14 43 | 0 41 | 24 32 | 0 39 | 3 50 | 2 29 | 13 11 | 0 50 | 7 45 | 1 56 | 31 30 | 17 35 | 5 37 | 4 56 | 27 11 | | n.a. |
| W20 | 23 11 | 16 8 | 2 1 | 23 17 | 0 s 0 | 20 50 | 1 2 | 14 27 | 0 40 | 24 32 | 0 39 | 3 48 | 2 28 | 13 11 | 0 50 | 7 46 | 1 56 | 31 30 | 17 36 | 5 39 | 4 57 | 27 9 | | n.a. |
| T 21 | 23 5 | 10 55 | 1 0 | 23 33 | 0 10 | 21 5 | 0 59 | 14 12 | 0 39 | 24 32 | 0 39 | 3 46 | 2 28 | 13 12 | 0 50 | 7 46 | 1 56 | 31 31 | 17 36 | 5 40 | 4 58 | 27 8 | | n.a. |
| F 22 | 22 58 | 5 15 | 0 s 5 | 23 48 | 0 19 | 21 20 | 0 56 | 13 57 | 0 38 | 24 32 | 0 40 | 3 44 | 2 28 | 13 12 | 0 50 | 7 46 | 1 56 | 31 32 | 17 37 | 5 40 | 5 0 | 27 7 | | n.a. |
| S 23 | 22 50 | 0 s42 | 1 10 | 24 2 | 0 27 | 21 34 | 0 53 | 13 42 | 0 38 | 24 31 | 0 40 | 3 42 | 2 27 | 13 13 | 0 50 | 7 46 | 1 56 | 31 33 | 17 37 | 5 40 | 5 1 | 27 5 | | n.a. |
| S 24 | 22 43 | 6 46 | 2 14 | 24 15 | 0 35 | 21 48 | 0 49 | 13 26 | 0 37 | 24 31 | 0 40 | 3 40 | 2 27 | 13 14 | 0 50 | 7 46 | 1 56 | 31 33 | 17 37 | 5 40 | 5 2 | 27 4 | | n.a. |
| M25 | 22 34 | 12 44 | 3 12 | 24 28 | 0 43 | 22 1 | 0 46 | 13 11 | 0 36 | 24 31 | 0 40 | 3 38 | 2 27 | 13 14 | 0 50 | 7 46 | 1 56 | 31 34 | 17 38 | 5 40 | 5 3 | 27 2 | | n.a. |
| T 26 | 22 26 | 18 19 | 4 2 | 24 39 | 0 51 | 22 13 | 0 43 | 12 55 | 0 35 | 24 30 | 0 40 | 3 36 | 2 27 | 13 15 | 0 50 | 7 47 | 1 56 | 31 35 | 17 38 | 5 40 | 5 5 | 27 1 | | n.a. |
| W27 | 22 17 | 23 9 | 4 40 | 24 50 | 0 59 | 22 25 | 0 39 | 12 39 | 0 35 | 24 30 | 0 40 | 3 34 | 2 26 | 13 16 | 0 50 | 7 47 | 1 56 | 31 36 | 17 38 | 5 42 | 5 6 | 27 0 | | n.a. |
| T 28 | 22 7 | 26 47 | 5 2 | 24 59 | 1 6 | 22 36 | 0 36 | 12 23 | 0 34 | 24 29 | 0 40 | 3 32 | 2 26 | 13 16 | 0 50 | 7 47 | 1 57 | 31 37 | 17 39 | 5 44 | 5 7 | 26 58 | | n.a. |
| F 29 | 21 57 | 28 42 | 5 4 | 25 7 | 1 12 | 22 46 | 0 33 | 12 7 | 0 33 | 24 29 | 0 40 | 3 30 | 2 26 | 13 17 | 0 50 | 7 47 | 1 57 | 31 37 | 17 39 | 5 47 | 5 8 | 26 57 | | n.a. |
| S 30 | 21 47 | 28 32 | 4 46 | 25 14 | 1 19 | 22 56 | 0 30 | 11 51 | 0 32 | 24 28 | 0 41 | 3 27 | 2 26 | 13 18 | 0 50 | 7 47 | 1 57 | 31 38 | 17 39 | 5 50 | 5 10 | 26 55 | | n.a. |
| S 31 | 21 s36 | 26 s12 | 4 s 7 | 25 s20 | 1 s25 | 23 s 5 | 0n27 | 11 s35 | 0 s32 | 24 s28 | 0 s41 | 3 s25 | 2 s25 | 13n18 | 0n51 | 7 s47 | 1n57 | 31n39 | 17n39 | 5 s53 | 5 s11 | 26n54 | | n.a. |

Julian Day Number = 999323.5, Delta T = 12h53m05s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'50, Lahiri = -31°12'50 Julian Calendar 1 Jan. 1977 BCE == Greg. Calendar 15 Dec. 1978 BCE

The year -1976 astronomical counting style corresponds to year 1977 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## FEBRUARY 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 34 53 | 25♑46'22 | 6♒58 | 2♑46 | 21♐ 4 | 2♓22 | 6♑11 | 27♓ 7 | 27°R39 | 24♎16 | 20°R 9 | 15°R14 | 17♓ 5 | 18♋59 | n.a. | M 1 |
| T 2 | 7 38 49 | 26°45'54 | 22° 2 | 4°15 | 22°16 | 3° 4 | 6°25 | 27°12 | 27♌37 | 24°16 | 20♌ 8 | 15♓10 | 17° 1 | 19° 6 | n.a. | T 2 |
| W 3 | 7 42 46 | 27°45'24 | 6♓45 | 5°45 | 23°28 | 3°47 | 6°39 | 27°17 | 27°35 | 24°17 | 20° 6 | 15° 8 | 16°58 | 19°13 | n.a. | W 3 |
| T 4 | 7 46 43 | 28°44'51 | 21° 3 | 7°17 | 24°41 | 4°29 | 6°53 | 27°22 | 27°33 | 24°17 | 20° 5 | 15°D 8 | 16°55 | 19°19 | n.a. | T 4 |
| F 5 | 7 50 39 | 29°44'15 | 4♈52 | 8°49 | 25°53 | 5°11 | 7° 7 | 27°28 | 27°31 | 24°17 | 20° 3 | 15° 9 | 16°52 | 19°26 | n.a. | F 5 |
| S 6 | 7 54 36 | 0♒43'38 | 18°15 | 10°24 | 27° 5 | 5°53 | 7°21 | 27°33 | 27°29 | 24°17 | 20° 2 | 15°10 | 16°49 | 19°33 | n.a. | S 6 |
| S 7 | 7 58 32 | 1°42'57 | 1♉13 | 11°59 | 28°18 | 6°35 | 7°34 | 27°39 | 27°27 | 24°17 | 20° 0 | 15°R11 | 16°45 | 19°39 | n.a. | S 7 |
| M 8 | 8 2 29 | 2°42'14 | 13°50 | 13°36 | 29°30 | 7°17 | 7°48 | 27°44 | 27°24 | 24°18 | 19°59 | 15°10 | 16°42 | 19°46 | n.a. | M 8 |
| T 9 | 8 6 25 | 3°41'29 | 26°11 | 15°14 | 0♑43 | 7°59 | 8° 2 | 27°50 | 27°22 | 24°18 | 19°57 | 15° 8 | 16°39 | 19°53 | n.a. | T 9 |
| W10 | 8 10 22 | 4°40'42 | 8♊19 | 16°53 | 1°55 | 8°41 | 8°15 | 27°56 | 27°20 | 24°18 | 19°55 | 15° 3 | 16°36 | 20° 0 | n.a. | W10 |
| T 11 | 8 14 18 | 5°39'51 | 20°19 | 18°34 | 3° 8 | 9°23 | 8°29 | 28° 2 | 27°18 | 24°R18 | 19°54 | 14°57 | 16°33 | 20° 6 | n.a. | T 11 |
| F 12 | 8 18 15 | 6°38'59 | 2♋13 | 20°16 | 4°20 | 10° 5 | 8°42 | 28° 8 | 27°15 | 24°18 | 19°52 | 14°50 | 16°30 | 20°13 | n.a. | F 12 |
| S 13 | 8 22 12 | 7°38'04 | 14° 4 | 22° 0 | 5°32 | 10°46 | 8°56 | 28°14 | 27°13 | 24°18 | 19°51 | 14°43 | 16°26 | 20°20 | n.a. | S 13 |
| S 14 | 8 26 8 | 8°37'07 | 25°55 | 23°45 | 6°45 | 11°28 | 9° 9 | 28°20 | 27°11 | 24°18 | 19°49 | 14°37 | 16°23 | 20°26 | n.a. | S 14 |
| M15 | 8 30 5 | 9°36'07 | 7♌47 | 25°31 | 7°57 | 12°10 | 9°22 | 28°26 | 27° 8 | 24°18 | 19°47 | 14°31 | 16°20 | 20°33 | n.a. | M15 |
| T 16 | 8 34 1 | 10°35'05 | 19°43 | 27°19 | 9°10 | 12°51 | 9°36 | 28°32 | 27° 6 | 24°17 | 19°46 | 14°27 | 16°17 | 20°40 | n.a. | T 16 |
| W17 | 8 37 58 | 11°34'01 | 1♍43 | 29° 8 | 10°22 | 13°33 | 9°49 | 28°38 | 27° 3 | 24°17 | 19°44 | 14°24 | 16°14 | 20°46 | n.a. | W17 |
| T 18 | 8 41 54 | 12°32'55 | 13°50 | 0♒58 | 11°35 | 14°14 | 10° 2 | 28°44 | 27° 1 | 24°17 | 19°42 | 14°D23 | 16°11 | 20°53 | n.a. | T 18 |
| F 19 | 8 45 51 | 13°31'47 | 26° 7 | 2°50 | 12°48 | 14°56 | 10°15 | 28°51 | 26°58 | 24°17 | 19°41 | 14°24 | 16° 7 | 21° 0 | n.a. | F 19 |
| S 20 | 8 49 47 | 14°30'37 | 8♎36 | 4°43 | 14° 0 | 15°37 | 10°29 | 28°57 | 26°56 | 24°16 | 19°39 | 14°25 | 16° 4 | 21° 7 | n.a. | S 20 |
| S 21 | 8 53 44 | 15°29'25 | 21°20 | 6°38 | 15°13 | 16°19 | 10°42 | 29° 4 | 26°53 | 24°16 | 19°37 | 14°27 | 16° 1 | 21°13 | n.a. | S 21 |
| M22 | 8 57 40 | 16°28'11 | 4♏22 | 8°34 | 16°25 | 17° 0 | 10°55 | 29°10 | 26°51 | 24°16 | 19°36 | 14°28 | 15°58 | 21°20 | n.a. | M22 |
| T 23 | 9 1 37 | 17°26'55 | 17°45 | 10°32 | 17°38 | 17°42 | 11° 7 | 29°17 | 26°48 | 24°15 | 19°34 | 14°R29 | 15°55 | 21°27 | n.a. | T 23 |
| W24 | 9 5 33 | 18°25'37 | 1♐31 | 12°31 | 18°51 | 18°23 | 11°20 | 29°23 | 26°46 | 24°15 | 19°32 | 14°28 | 15°51 | 21°33 | n.a. | W24 |
| T 25 | 9 9 30 | 19°24'18 | 15°41 | 14°31 | 20° 3 | 19° 4 | 11°33 | 29°30 | 26°43 | 24°15 | 19°31 | 14°27 | 15°48 | 21°40 | n.a. | T 25 |
| F 26 | 9 13 27 | 20°22'56 | 0♑13 | 16°32 | 21°16 | 19°46 | 11°46 | 29°37 | 26°41 | 24°14 | 19°29 | 14°24 | 15°45 | 21°47 | n.a. | F 26 |
| S 27 | 9 17 23 | 21°21'33 | 15° 3 | 18°35 | 22°28 | 20°27 | 11°59 | 29°44 | 26°38 | 24°14 | 19°27 | 14°21 | 15°42 | 21°53 | n.a. | S 27 |
| S 28 | 9 21 20 | 22°20'08 | 0♒ 5 | 20°39 | 23°41 | 21° 8 | 12°11 | 29°50 | 26°36 | 24°13 | 19°26 | 14°18 | 15°39 | 22° 0 | n.a. | S 28 |
| M29 | 9 25 16 | 23♒18'41 | 15♒ 9 | 22♒43 | 24♑54 | 21♓49 | 12♑24 | 29♓57 | 26♌33 | 24♎13 | 19♌24 | 14♓15 | 15♓36 | 22♋ 7 | n.a. | M29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21 s25 | 21 s58 | 3 s11 | 25 s24 | 1 s30 | 23 s14 | 0n23 | 11 s19 | 0 s31 | 24 s27 | 0 s41 | 3 s23 | 2 s25 | 13n19 | 0n51 | 7 s47 | 1n57 | 31n40 | 17n40 | 5 s56 | 5 s12 | 26n52 | | n.a. |
| T 2 | 21 14 | 16 21 | 2 1 | 25 27 | 1 36 | 23 22 | 0 20 | 11 3 | 0 30 | 24 27 | 0 41 | 3 21 | 2 25 | 13 20 | 0 51 | 7 47 | 1 57 | 31 41 | 17 40 | 5 58 | 5 14 | 26 51 | | n.a. |
| W 3 | 21 2 | 9 54 | 0 45 | 25 28 | 1 41 | 23 29 | 0 17 | 10 47 | 0 30 | 24 26 | 0 41 | 3 18 | 2 25 | 13 21 | 0 51 | 7 47 | 1 57 | 31 41 | 17 40 | 5 58 | 5 15 | 26 49 | | n.a. |
| T 4 | 20 50 | 3 8 | 0n32 | 25 28 | 1 45 | 23 35 | 0 14 | 10 30 | 0 29 | 24 26 | 0 41 | 3 16 | 2 24 | 13 21 | 0 51 | 7 47 | 1 57 | 31 42 | 17 41 | 5 58 | 5 16 | 26 48 | | n.a. |
| F 5 | 20 37 | 3n34 | 1 45 | 25 26 | 1 49 | 23 41 | 0 11 | 10 14 | 0 28 | 24 25 | 0 41 | 3 13 | 2 24 | 13 22 | 0 51 | 7 47 | 1 57 | 31 43 | 17 41 | 5 58 | 5 17 | 26 47 | | n.a. |
| S 6 | 20 24 | 9 54 | 2 49 | 25 23 | 1 53 | 23 46 | 0 7 | 9 58 | 0 27 | 24 24 | 0 42 | 3 11 | 2 24 | 13 23 | 0 51 | 7 48 | 1 57 | 31 44 | 17 41 | 5 57 | 5 19 | 26 45 | | n.a. |
| S 7 | 20 11 | 15 36 | 3 43 | 25 18 | 1 56 | 23 50 | 0 4 | 9 41 | 0 27 | 24 24 | 0 42 | 3 8 | 2 24 | 13 24 | 0 51 | 7 48 | 1 57 | 31 44 | 17 41 | 5 57 | 5 20 | 26 44 | | n.a. |
| M 8 | 19 57 | 20 30 | 4 25 | 25 11 | 1 59 | 23 54 | 0 1 | 9 25 | 0 26 | 24 23 | 0 42 | 3 6 | 2 23 | 13 25 | 0 51 | 7 48 | 1 57 | 31 45 | 17 41 | 5 58 | 5 21 | 26 42 | | n.a. |
| T 9 | 19 43 | 24 25 | 4 53 | 25 3 | 2 2 | 23 57 | 0 s 2 | 9 8 | 0 25 | 24 22 | 0 42 | 3 3 | 2 23 | 13 25 | 0 51 | 7 47 | 1 57 | 31 46 | 17 42 | 5 59 | 5 22 | 26 41 | | n.a. |
| W10 | 19 29 | 27 11 | 5 7 | 24 53 | 2 4 | 23 59 | 0 5 | 8 51 | 0 25 | 24 22 | 0 42 | 3 1 | 2 23 | 13 26 | 0 51 | 7 47 | 1 57 | 31 47 | 17 42 | 6 0 | 5 24 | 26 39 | | n.a. |
| T 11 | 19 14 | 28 41 | 5 8 | 24 41 | 2 5 | 24 1 | 0 8 | 8 35 | 0 24 | 24 21 | 0 42 | 2 58 | 2 23 | 13 27 | 0 51 | 7 47 | 1 57 | 31 47 | 17 42 | 6 3 | 5 25 | 26 37 | | n.a. |
| F 12 | 18 59 | 28 50 | 4 55 | 24 27 | 2 7 | 24 2 | 0 11 | 8 18 | 0 23 | 24 20 | 0 42 | 2 56 | 2 22 | 13 28 | 0 51 | 7 47 | 1 57 | 31 48 | 17 42 | 6 5 | 5 26 | 26 36 | | n.a. |
| S 13 | 18 44 | 27 38 | 4 30 | 24 11 | 2 7 | 24 2 | 0 14 | 8 1 | 0 22 | 24 20 | 0 43 | 2 53 | 2 22 | 13 29 | 0 51 | 7 47 | 1 58 | 31 49 | 17 42 | 6 8 | 5 27 | 26 34 | | n.a. |
| S 14 | 18 28 | 25 12 | 3 53 | 23 53 | 2 7 | 24 1 | 0 17 | 7 44 | 0 22 | 24 19 | 0 43 | 2 50 | 2 22 | 13 30 | 0 51 | 7 47 | 1 58 | 31 49 | 17 43 | 6 11 | 5 29 | 26 33 | | n.a. |
| M15 | 18 12 | 21 41 | 3 6 | 23 33 | 2 7 | 24 0 | 0 19 | 7 28 | 0 21 | 24 18 | 0 43 | 2 48 | 2 22 | 13 30 | 0 51 | 7 47 | 1 58 | 31 50 | 17 43 | 6 13 | 5 30 | 26 31 | | n.a. |
| T 16 | 17 56 | 17 16 | 2 11 | 23 11 | 2 6 | 23 58 | 0 22 | 7 11 | 0 20 | 24 17 | 0 43 | 2 45 | 2 22 | 13 31 | 0 51 | 7 47 | 1 58 | 31 51 | 17 43 | 6 15 | 5 31 | 26 30 | | n.a. |
| W17 | 17 40 | 12 9 | 1 9 | 22 47 | 2 5 | 23 56 | 0 25 | 6 54 | 0 20 | 24 16 | 0 43 | 2 42 | 2 21 | 13 32 | 0 51 | 7 47 | 1 58 | 31 52 | 17 43 | 6 16 | 5 32 | 26 28 | | n.a. |
| T 18 | 17 23 | 6 32 | 0 3 | 22 21 | 2 3 | 23 52 | 0 28 | 6 37 | 0 19 | 24 15 | 0 43 | 2 40 | 2 21 | 13 33 | 0 51 | 7 47 | 1 58 | 31 52 | 17 43 | 6 16 | 5 34 | 26 27 | | n.a. |
| F 19 | 17 6 | 0 36 | 1 s 4 | 21 53 | 2 1 | 23 48 | 0 31 | 6 20 | 0 18 | 24 15 | 0 44 | 2 37 | 2 21 | 13 34 | 0 51 | 7 47 | 1 58 | 31 53 | 17 43 | 6 16 | 5 35 | 26 25 | | n.a. |
| S 20 | 16 49 | 5 s26 | 2 9 | 21 23 | 1 58 | 23 43 | 0 33 | 6 3 | 0 18 | 24 14 | 0 44 | 2 34 | 2 21 | 13 35 | 0 51 | 7 46 | 1 58 | 31 54 | 17 43 | 6 15 | 5 36 | 26 23 | | n.a. |
| S 21 | 16 31 | 11 23 | 3 9 | 20 50 | 1 55 | 23 38 | 0 36 | 5 46 | 0 17 | 24 13 | 0 44 | 2 31 | 2 21 | 13 36 | 0 51 | 7 46 | 1 58 | 31 54 | 17 43 | 6 14 | 5 37 | 26 22 | | n.a. |
| M22 | 16 13 | 16 59 | 4 0 | 20 16 | 1 51 | 23 32 | 0 38 | 5 29 | 0 16 | 24 12 | 0 44 | 2 29 | 2 20 | 13 36 | 0 51 | 7 46 | 1 58 | 31 55 | 17 43 | 6 14 | 5 39 | 26 20 | | n.a. |
| T 23 | 15 55 | 21 57 | 4 41 | 19 39 | 1 46 | 23 25 | 0 41 | 5 12 | 0 16 | 24 11 | 0 44 | 2 26 | 2 20 | 13 37 | 0 51 | 7 46 | 1 58 | 31 55 | 17 43 | 6 14 | 5 40 | 26 19 | | n.a. |
| W24 | 15 37 | 25 52 | 5 6 | 19 0 | 1 41 | 23 17 | 0 43 | 4 55 | 0 15 | 24 10 | 0 44 | 2 23 | 2 20 | 13 38 | 0 51 | 7 46 | 1 58 | 31 56 | 17 43 | 6 14 | 5 41 | 26 17 | | n.a. |
| T 25 | 15 18 | 28 20 | 5 14 | 18 19 | 1 35 | 23 9 | 0 46 | 4 38 | 0 14 | 24 9 | 0 45 | 2 20 | 2 20 | 13 39 | 0 51 | 7 46 | 1 58 | 31 57 | 17 44 | 6 15 | 5 42 | 26 15 | | n.a. |
| F 26 | 14 59 | 28 58 | 5 2 | 17 37 | 1 29 | 23 0 | 0 48 | 4 20 | 0 14 | 24 8 | 0 45 | 2 17 | 2 20 | 13 40 | 0 51 | 7 45 | 1 58 | 31 57 | 17 44 | 6 16 | 5 44 | 26 14 | | n.a. |
| S 27 | 14 40 | 27 32 | 4 30 | 16 52 | 1 22 | 22 50 | 0 50 | 4 3 | 0 13 | 24 7 | 0 45 | 2 14 | 2 19 | 13 41 | 0 51 | 7 45 | 1 58 | 31 58 | 17 44 | 6 17 | 5 45 | 26 12 | | n.a. |
| S 28 | 14 21 | 24 7 | 3 40 | 16 5 | 1 15 | 22 40 | 0 53 | 3 46 | 0 12 | 24 6 | 0 45 | 2 11 | 2 19 | 13 42 | 0 51 | 7 45 | 1 58 | 31 58 | 17 44 | 6 18 | 5 46 | 26 11 | | n.a. |
| M29 | 14 s 1 | 19 s 3 | 2 s33 | 15 s16 | 1 s 7 | 22 s29 | 0 s55 | 3 s29 | 0 s12 | 24 s 5 | 0 s45 | 2 s 8 | 2 s19 | 13n43 | 0n51 | 7 s45 | 1n58 | 31n59 | 17n44 | 6 s19 | 5 s47 | 26n 9 | | n.a. |

Julian Day Number = 999354.5, Delta T = 12h53m03s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'46, Lahiri = -31°12'45 Julian Calendar 1 Feb. 1977 BCE == Greg. Calendar 15 Jan. 1977 BCE


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## MARCH 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 29 13 | 24♒17'12 | 0♓ 7 | 24♒49 | 26♉ 6 | 22♓30 | 12♉36 | 0♈ 4 | 26°R31 | 24°R12 | 19°R22 | 14°R14 | 15♓32 | 22♋14 | n.a. | T 1 |
| W 2 | 9 33 9 | 25°15'40 | 14°50 | 26°55 | 27°19 | 23°11 | 12°49 | 0°11 | 26♌28 | 24♎11 | 19♌21 | 14°D14 | 15°29 | 22°20 | n.a. | W 2 |
| T 3 | 9 37 6 | 26°14'07 | 29°12 | 29° 2 | 28°32 | 23°52 | 13° 1 | 0°18 | 26°25 | 24°11 | 19°19 | 14♓14 | 15°26 | 22°27 | n.a. | T 3 |
| F 4 | 9 41 2 | 27°12'31 | 13♈ 9 | 1♓ 9 | 29°45 | 24°33 | 13°13 | 0°25 | 26°23 | 24°10 | 19°17 | 14°15 | 15°23 | 22°34 | n.a. | F 4 |
| S 5 | 9 44 59 | 28°10'53 | 26°40 | 3°16 | 0♒57 | 25°14 | 13°25 | 0°32 | 26°20 | 24° 9 | 19°16 | 14°16 | 15°20 | 22°40 | n.a. | S 5 |
| S 6 | 9 48 56 | 29° 9'13 | 9♉45 | 5°23 | 2°10 | 25°55 | 13°37 | 0°40 | 26°18 | 24° 9 | 19°14 | 14°17 | 15°17 | 22°47 | n.a. | S 6 |
| M 7 | 9 52 52 | 0♓ 7'30 | 22°27 | 7°29 | 3°23 | 26°36 | 13°49 | 0°47 | 26°15 | 24° 8 | 19°12 | 14°18 | 15°13 | 22°54 | n.a. | M 7 |
| T 8 | 9 56 49 | 1° 5'46 | 4♊51 | 9°34 | 4°35 | 27°17 | 14° 1 | 0°54 | 26°13 | 24° 7 | 19°11 | 14°R18 | 15°10 | 23° 0 | n.a. | T 8 |
| W 9 | 10 0 45 | 2° 3'59 | 17° 0 | 11°39 | 5°48 | 27°58 | 14°13 | 1° 1 | 26°10 | 24° 6 | 19° 9 | 14°18 | 15° 7 | 23° 7 | n.a. | W 9 |
| T 10 | 10 4 42 | 3° 2'10 | 28°58 | 13°41 | 7° 1 | 28°39 | 14°25 | 1° 9 | 26° 7 | 24° 6 | 19° 8 | 14°17 | 15° 4 | 23°14 | n.a. | T 10 |
| F 11 | 10 8 38 | 4° 0'19 | 10♋50 | 15°42 | 8°14 | 29°19 | 14°37 | 1°16 | 26° 5 | 24° 5 | 19° 6 | 14°15 | 15° 1 | 23°21 | n.a. | F 11 |
| S 12 | 10 12 35 | 4°58'25 | 22°41 | 17°41 | 9°26 | 29°59 | 14°48 | 1°23 | 26° 2 | 24° 4 | 19° 4 | 14°14 | 14°57 | 23°27 | n.a. | S 12 |
| S 13 | 10 16 31 | 5°56'30 | 4♌32 | 19°38 | 10°39 | 0♈41 | 15° 0 | 1°31 | 26° 0 | 24° 3 | 19° 3 | 14°13 | 14°54 | 23°34 | n.a. | S 13 |
| M14 | 10 20 28 | 6°54'32 | 16°28 | 21°31 | 11°52 | 1°21 | 15°11 | 1°38 | 25°57 | 24° 2 | 19° 1 | 14°12 | 14°51 | 23°41 | n.a. | M14 |
| T 15 | 10 24 24 | 7°52'33 | 28°30 | 23°22 | 13° 5 | 2° 2 | 15°23 | 1°46 | 25°55 | 24° 1 | 19° 0 | 14°11 | 14°48 | 23°47 | n.a. | T 15 |
| W16 | 10 28 21 | 8°50'32 | 10♍41 | 25°10 | 14°17 | 2°42 | 15°34 | 1°53 | 25°52 | 24° 0 | 18°58 | 14°D11 | 14°45 | 23°54 | n.a. | W16 |
| T 17 | 10 32 18 | 9°48'28 | 23° 3 | 26°55 | 15°30 | 3°23 | 15°45 | 2° 1 | 25°50 | 23°59 | 18°56 | 14°11 | 14°42 | 24° 1 | n.a. | T 17 |
| F 18 | 10 36 14 | 10°46'23 | 5♎36 | 28°36 | 16°43 | 4° 3 | 15°56 | 2° 8 | 25°47 | 23°58 | 18°55 | 14°11 | 14°38 | 24° 7 | n.a. | F 18 |
| S 19 | 10 40 11 | 11°44'17 | 18°21 | 0♈13 | 17°56 | 4°44 | 16° 7 | 2°16 | 25°45 | 23°57 | 18°53 | 14°12 | 14°35 | 24°14 | n.a. | S 19 |
| S 20 | 10 44 7 | 12°42'09 | 1♏21 | 1°47 | 19° 9 | 5°24 | 16°18 | 2°24 | 25°43 | 23°56 | 18°52 | 14°12 | 14°32 | 24°21 | n.a. | S 20 |
| M21 | 10 48 4 | 13°39'59 | 14°35 | 3°16 | 20°21 | 6° 4 | 16°29 | 2°31 | 25°40 | 23°55 | 18°50 | 14°12 | 14°29 | 24°27 | n.a. | M21 |
| T 22 | 10 52 0 | 14°37'48 | 28° 6 | 4°42 | 21°34 | 6°45 | 16°39 | 2°39 | 25°38 | 23°54 | 18°49 | 14°R12 | 14°26 | 24°34 | n.a. | T 22 |
| W23 | 10 55 57 | 15°35'36 | 11♐52 | 6° 4 | 22°47 | 7°25 | 16°50 | 2°47 | 25°35 | 23°52 | 18°47 | 14°D12 | 14°22 | 24°41 | n.a. | W23 |
| T 24 | 10 59 53 | 16°33'23 | 25°55 | 7°22 | 24° 0 | 8° 5 | 17° 0 | 2°54 | 25°33 | 23°51 | 18°46 | 14°12 | 14°19 | 24°48 | n.a. | T 24 |
| F 25 | 11 3 50 | 17°31'08 | 10♑12 | 8°35 | 25°13 | 8°46 | 17°11 | 3° 2 | 25°31 | 23°50 | 18°45 | 14°12 | 14°16 | 24°54 | n.a. | F 25 |
| S 26 | 11 7 46 | 18°28'52 | 24°41 | 9°45 | 26°26 | 9°26 | 17°21 | 3°10 | 25°28 | 23°49 | 18°43 | 14°12 | 14°13 | 25° 1 | n.a. | S 26 |
| S 27 | 11 11 43 | 19°26'34 | 9♒19 | 10°50 | 27°39 | 10° 6 | 17°31 | 3°18 | 25°26 | 23°48 | 18°42 | 14°13 | 14°10 | 25° 8 | n.a. | S 27 |
| M28 | 11 15 40 | 20°24'15 | 23°59 | 11°51 | 28°52 | 10°46 | 17°41 | 3°26 | 25°24 | 23°46 | 18°40 | 14°13 | 14° 7 | 25°14 | n.a. | M28 |
| T 29 | 11 19 36 | 21°21'55 | 8♓37 | 12°47 | 0♓ 5 | 11°26 | 17°51 | 3°33 | 25°22 | 23°45 | 18°39 | 14°R14 | 14° 3 | 25°21 | n.a. | T 29 |
| W30 | 11 23 33 | 22°19'33 | 23° 5 | 13°39 | 1°17 | 12° 6 | 18° 1 | 3°41 | 25°19 | 23°44 | 18°38 | 14°13 | 14° 0 | 25°28 | n.a. | W30 |
| T 31 | 11 27 29 | 23♓17'10 | 7♈17 | 14♈26 | 2♓30 | 12♈46 | 18♉11 | 3♈49 | 25♌17 | 23♎42 | 18♌36 | 14♓13 | 13♓57 | 25♋34 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 13s42 | 12s51 | 1s17 | 14s26 | 0s58 | 22s17 | 0s57 | 3s12 | 0s11 | 24s 4 | 0s45 | 2s 5 | 2s19 | 13n44 | 0n51 | 7s44 | 1n58 | 32n 0 | 17n44 | 6s20 | 5s49 | 26n 7 | | | n.a. |
| W 2 | 13 22 | 6 2 | 0n 3 | 13 34 | 0 50 | 22 5 | 0 59 | 2 55 | 0 10 | 24 3 | 0 46 | 2 2 | 2 19 | 13 45 | 0 51 | 7 44 | 1 59 | 32 0 | 17 44 | 6 20 | 5 50 | 26 6 | | | n.a. |
| T 3 | 13 2 | 0n55 | 1 22 | 12 40 | 0 40 | 21 52 | 1 1 | 2 38 | 0 10 | 24 2 | 0 46 | 1 59 | 2 19 | 13 45 | 0 51 | 7 44 | 1 59 | 32 1 | 17 43 | 6 20 | 5 51 | 26 4 | | | n.a. |
| F 4 | 12 41 | 7 38 | 2 33 | 11 45 | 0 30 | 21 39 | 1 3 | 2 20 | 0 9 | 24 1 | 0 46 | 1 56 | 2 18 | 13 46 | 0 51 | 7 43 | 1 59 | 32 1 | 17 43 | 6 19 | 5 52 | 26 2 | | | n.a. |
| S 5 | 12 21 | 13 47 | 3 33 | 10 49 | 0 20 | 21 24 | 1 5 | 2 3 | 0 8 | 24 0 | 0 46 | 1 53 | 2 18 | 13 47 | 0 51 | 7 43 | 1 59 | 32 2 | 17 43 | 6 19 | 5 54 | 26 1 | | | n.a. |
| S 6 | 12 0 | 19 8 | 4 21 | 9 52 | 0 10 | 21 10 | 1 7 | 1 46 | 0 8 | 23 59 | 0 46 | 1 50 | 2 18 | 13 48 | 0 51 | 7 43 | 1 59 | 32 2 | 17 43 | 6 18 | 5 55 | 25 59 | | | n.a. |
| M 7 | 11 39 | 23 28 | 4 54 | 8 55 | 0n 1 | 20 54 | 1 9 | 1 29 | 0 7 | 23 58 | 0 47 | 1 47 | 2 18 | 13 49 | 0 51 | 7 42 | 1 59 | 32 3 | 17 43 | 6 18 | 5 56 | 25 57 | | | n.a. |
| T 8 | 11 18 | 26 38 | 5 12 | 7 57 | 0 12 | 20 38 | 1 10 | 1 12 | 0 6 | 23 57 | 0 47 | 1 44 | 2 18 | 13 50 | 0 51 | 7 42 | 1 59 | 32 3 | 17 43 | 6 18 | 5 57 | 25 55 | | | n.a. |
| W 9 | 10 57 | 28 31 | 5 16 | 6 59 | 0 23 | 20 22 | 1 12 | 0 55 | 0 6 | 23 56 | 0 47 | 1 41 | 2 18 | 13 51 | 0 51 | 7 42 | 1 59 | 32 4 | 17 43 | 6 18 | 5 59 | 25 54 | | | n.a. |
| T 10 | 10 36 | 29 1 | 5 6 | 6 1 | 0 35 | 20 5 | 1 14 | 0 38 | 0 5 | 23 55 | 0 47 | 1 38 | 2 18 | 13 52 | 0 51 | 7 41 | 1 59 | 32 4 | 17 43 | 6 18 | 6 0 | 25 52 | | | n.a. |
| F 11 | 10 14 | 28 10 | 4 43 | 5 3 | 0 46 | 19 47 | 1 15 | 0 21 | 0 4 | 23 53 | 0 47 | 1 35 | 2 17 | 13 53 | 0 51 | 7 41 | 1 59 | 32 5 | 17 43 | 6 19 | 6 1 | 25 50 | | | n.a. |
| S 12 | 9 53 | 26 3 | 4 8 | 4 5 | 0 57 | 19 29 | 1 17 | 0 3 | 0 4 | 23 52 | 0 48 | 1 32 | 2 17 | 13 53 | 0 51 | 7 41 | 1 59 | 32 5 | 17 43 | 6 20 | 6 2 | 25 49 | | | n.a. |
| S 13 | 9 31 | 22 47 | 3 22 | 3 9 | 1 8 | 19 10 | 1 18 | 0n14 | 0 3 | 23 51 | 0 48 | 1 29 | 2 17 | 13 54 | 0 51 | 7 40 | 1 59 | 32 5 | 17 43 | 6 20 | 6 4 | 25 47 | | | n.a. |
| M14 | 9 9 | 18 34 | 2 28 | 2 14 | 1 19 | 18 51 | 1 19 | 0 31 | 0 2 | 23 50 | 0 48 | 1 25 | 2 17 | 13 55 | 0 51 | 7 40 | 1 59 | 32 6 | 17 42 | 6 20 | 6 5 | 25 45 | | | n.a. |
| T 15 | 8 47 | 13 34 | 1 26 | 1 19 | 1 29 | 18 31 | 1 21 | 0 48 | 0 2 | 23 49 | 0 48 | 1 22 | 2 17 | 13 56 | 0 51 | 7 40 | 1 59 | 32 6 | 17 42 | 6 21 | 6 6 | 25 43 | | | n.a. |
| W16 | 8 25 | 8 0 | 0 19 | 0 27 | 1 39 | 18 11 | 1 22 | 1 5 | 0 1 | 23 48 | 0 48 | 1 19 | 2 17 | 13 57 | 0 51 | 7 39 | 1 59 | 32 7 | 17 42 | 6 21 | 6 7 | 25 42 | | | n.a. |
| T 17 | 8 3 | 2 4 | 0s49 | 0n24 | 1 49 | 17 50 | 1 23 | 1 22 | 0 1 | 23 47 | 0 49 | 1 16 | 2 17 | 13 58 | 0 51 | 7 39 | 1 59 | 32 7 | 17 42 | 6 21 | 6 9 | 25 40 | | | n.a. |
| F 18 | 7 40 | 4s 2 | 1 56 | 1 13 | 1 58 | 17 28 | 1 24 | 1 39 | 0n 0 | 23 46 | 0 49 | 1 13 | 2 17 | 13 59 | 0 51 | 7 38 | 1 59 | 32 7 | 17 42 | 6 21 | 6 10 | 25 38 | | | n.a. |
| S 19 | 7 18 | 10 4 | 2 58 | 2 1 | 2 6 | 17 7 | 1 25 | 1 56 | 0 1 | 23 44 | 0 49 | 1 10 | 2 16 | 13 59 | 0 51 | 7 38 | 1 59 | 32 8 | 17 41 | 6 21 | 6 11 | 25 36 | | | n.a. |
| S 20 | 6 56 | 15 48 | 3 53 | 2 46 | 2 14 | 16 44 | 1 26 | 2 12 | 0 1 | 23 43 | 0 49 | 1 6 | 2 16 | 14 0 | 0 51 | 7 37 | 1 59 | 32 8 | 17 41 | 6 20 | 6 13 | 25 34 | | | n.a. |
| M21 | 6 33 | 20 55 | 4 36 | 3 29 | 2 21 | 16 22 | 1 27 | 2 29 | 0 2 | 23 42 | 0 50 | 1 3 | 2 16 | 14 1 | 0 51 | 7 37 | 1 59 | 32 8 | 17 41 | 6 20 | 6 14 | 25 33 | | | n.a. |
| T 22 | 6 10 | 25 5 | 5 5 | 4 10 | 2 28 | 15 59 | 1 28 | 2 46 | 0 3 | 23 41 | 0 50 | 1 0 | 2 16 | 14 2 | 0 51 | 7 36 | 1 59 | 32 9 | 17 41 | 6 20 | 6 15 | 25 31 | | | n.a. |
| W23 | 5 47 | 27 54 | 5 17 | 4 48 | 2 34 | 15 35 | 1 28 | 3 3 | 0 3 | 23 40 | 0 50 | 0 57 | 2 16 | 14 3 | 0 51 | 7 36 | 2 0 | 32 9 | 17 41 | 6 20 | 6 16 | 25 29 | | | n.a. |
| T 24 | 5 25 | 29 2 | 5 11 | 5 24 | 2 39 | 15 11 | 1 29 | 3 20 | 0 4 | 23 39 | 0 50 | 0 54 | 2 16 | 14 3 | 0 51 | 7 35 | 2 0 | 32 9 | 17 40 | 6 20 | 6 17 | 25 27 | | | n.a. |
| F 25 | 5 2 | 28 16 | 4 45 | 5 58 | 2 43 | 14 47 | 1 30 | 3 36 | 0 4 | 23 38 | 0 50 | 0 50 | 2 16 | 14 4 | 0 51 | 7 35 | 2 0 | 32 9 | 17 40 | 6 20 | 6 19 | 25 25 | | | n.a. |
| S 26 | 4 39 | 25 34 | 4 1 | 6 29 | 2 46 | 14 22 | 1 30 | 3 53 | 0 5 | 23 37 | 0 51 | 0 47 | 2 16 | 14 5 | 0 51 | 7 35 | 2 0 | 32 10 | 17 40 | 6 20 | 6 20 | 25 23 | | | n.a. |
| S 27 | 4 16 | 21 12 | 3 2 | 6 57 | 2 49 | 13 57 | 1 31 | 4 10 | 0 6 | 23 35 | 0 51 | 0 44 | 2 16 | 14 6 | 0 51 | 7 34 | 2 0 | 32 10 | 17 39 | 6 20 | 6 21 | 25 22 | | | n.a. |
| M28 | 3 53 | 15 31 | 1 50 | 7 23 | 2 50 | 13 31 | 1 31 | 4 26 | 0 6 | 23 34 | 0 51 | 0 41 | 2 16 | 14 6 | 0 51 | 7 34 | 2 0 | 32 10 | 17 39 | 6 20 | 6 22 | 25 20 | | | n.a. |
| T 29 | 3 29 | 8 59 | 0 31 | 7 46 | 2 51 | 13 5 | 1 31 | 4 43 | 0 7 | 23 33 | 0 51 | 0 37 | 2 15 | 14 7 | 0 51 | 7 33 | 2 0 | 32 10 | 17 39 | 6 20 | 6 24 | 25 18 | | | n.a. |
| W30 | 3 6 | 2 3 | 0n49 | 8 6 | 2 51 | 12 39 | 1 31 | 4 59 | 0 7 | 23 32 | 0 52 | 0 34 | 2 15 | 14 8 | 0 51 | 7 32 | 2 0 | 32 10 | 17 39 | 6 20 | 6 25 | 25 16 | | | n.a. |
| T 31 | 2s43 | 4n51 | 2n 4 | 8n24 | 2n50 | 12s13 | 1s32 | 5n16 | 0n 8 | 23s31 | 0s52 | 0s31 | 2s15 | 14n 9 | 0n51 | 7s32 | 2n 0 | 32n11 | 17n38 | 6s20 | 6s26 | 25n14 | | | n.a. |

Julian Day Number = 999383.5, Delta T = 12h53m01s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'42, Lahiri = -31°12'42 Julian Calendar 1 March 1977 BCE == Greg. Calendar 13 Feb. 1977 BCE

The year -1976 astronomical counting style corresponds to year 1977 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## APRIL 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 31 26 | 24♓14'45 | 21♈10 | 15♈ 9 | 3♓43 | 13♈26 | 18♑20 | 3♈57 | 25°R15 | 23°R41 | 18°R35 | 14°R12 | 13♓54 | 25♋41 | n.a. | F 1 |
| S 2 | 11 35 22 | 25°12'19 | 4♉41 | 15°47 | 4°56 | 14° 6 | 18°30 | 4° 5 | 25♎13 | 23♏40 | 18♎34 | 14♓11 | 13°51 | 25°48 | n.a. | S 2 |
| S 3 | 11 39 19 | 26° 9'51 | 17°48 | 16°20 | 6° 9 | 14°46 | 18°39 | 4°13 | 25°11 | 23°38 | 18°33 | 14° 9 | 13°48 | 25°54 | n.a. | S 3 |
| M 4 | 11 43 15 | 27° 7'22 | 0♊34 | 16°49 | 7°22 | 15°26 | 18°48 | 4°21 | 25° 9 | 23°37 | 18°31 | 14° 8 | 13°44 | 26° 1 | n.a. | M 4 |
| T 5 | 11 47 12 | 28° 4'51 | 13° 1 | 17°13 | 8°35 | 16° 6 | 18°57 | 4°28 | 25° 7 | 23°35 | 18°30 | 14° 7 | 13°41 | 26° 8 | n.a. | T 5 |
| W 6 | 11 51 9 | 29° 2'19 | 25°12 | 17°32 | 9°48 | 16°46 | 19° 6 | 4°36 | 25° 5 | 23°34 | 18°29 | 14°D 6 | 13°38 | 26°14 | n.a. | W 6 |
| T 7 | 11 55 5 | 29°59'45 | 7♋11 | 17°46 | 11° 1 | 17°26 | 19°15 | 4°44 | 25° 3 | 23°33 | 18°28 | 14° 6 | 13°35 | 26°21 | n.a. | T 7 |
| F 8 | 11 59 2 | 0♈57'10 | 19° 4 | 17°55 | 12°14 | 18° 5 | 19°24 | 4°52 | 25° 1 | 23°31 | 18°27 | 14° 7 | 13°32 | 26°28 | n.a. | F 8 |
| S 9 | 12 2 58 | 1°54'33 | 0♌55 | 18°R 0 | 13°27 | 18°45 | 19°33 | 5° 0 | 24°59 | 23°30 | 18°26 | 14° 8 | 13°28 | 26°35 | n.a. | S 9 |
| S 10 | 12 6 55 | 2°51'54 | 12°48 | 18° 0 | 14°40 | 19°25 | 19°41 | 5° 8 | 24°57 | 23°28 | 18°25 | 14°10 | 13°25 | 26°41 | n.a. | S 10 |
| M11 | 12 10 51 | 3°49'15 | 24°48 | 17°55 | 15°53 | 20° 5 | 19°49 | 5°16 | 24°55 | 23°27 | 18°24 | 14°11 | 13°22 | 26°48 | n.a. | M11 |
| T 12 | 12 14 48 | 4°46'34 | 6♍58 | 17°46 | 17° 6 | 20°44 | 19°58 | 5°24 | 24°54 | 23°25 | 18°22 | 14°12 | 13°19 | 26°55 | n.a. | T 12 |
| W13 | 12 18 44 | 5°43'52 | 19°20 | 17°32 | 18°19 | 21°24 | 20° 6 | 5°32 | 24°52 | 23°24 | 18°21 | 14°R12 | 13°16 | 27° 1 | n.a. | W13 |
| T 14 | 12 22 41 | 6°41'08 | 1♎57 | 17°15 | 19°32 | 22° 3 | 20°14 | 5°40 | 24°50 | 23°22 | 18°20 | 14°11 | 13°13 | 27° 8 | n.a. | T 14 |
| F 15 | 12 26 38 | 7°38'24 | 14°49 | 16°54 | 20°45 | 22°43 | 20°21 | 5°48 | 24°48 | 23°21 | 18°20 | 14° 9 | 13° 9 | 27°15 | n.a. | F 15 |
| S 16 | 12 30 34 | 8°35'38 | 27°58 | 16°30 | 21°58 | 23°23 | 20°29 | 5°56 | 24°47 | 23°19 | 18°19 | 14° 6 | 13° 6 | 27°21 | n.a. | S 16 |
| S 17 | 12 34 31 | 9°32'52 | 11♏20 | 16° 3 | 23°11 | 24° 2 | 20°37 | 6° 4 | 24°45 | 23°18 | 18°18 | 14° 2 | 13° 3 | 27°28 | n.a. | S 17 |
| M18 | 12 38 27 | 10°30'05 | 24°57 | 15°34 | 24°25 | 24°42 | 20°44 | 6°12 | 24°44 | 23°16 | 18°17 | 13°59 | 13° 0 | 27°35 | n.a. | M18 |
| T 19 | 12 42 24 | 11°27'18 | 8♐45 | 15° 2 | 25°38 | 25°21 | 20°51 | 6°20 | 24°42 | 23°14 | 18°16 | 13°55 | 12°57 | 27°41 | n.a. | T 19 |
| W20 | 12 46 20 | 12°24'30 | 22°42 | 14°30 | 26°51 | 26° 0 | 20°58 | 6°27 | 24°41 | 23°13 | 18°15 | 13°53 | 12°54 | 27°48 | n.a. | W20 |
| T 21 | 12 50 17 | 13°21'41 | 6♑47 | 13°56 | 28° 4 | 26°40 | 21° 5 | 6°35 | 24°39 | 23°11 | 18°14 | 13°52 | 12°50 | 27°55 | n.a. | T 21 |
| F 22 | 12 54 13 | 14°18'52 | 20°58 | 13°23 | 29°17 | 27°19 | 21°12 | 6°43 | 24°38 | 23°10 | 18°14 | 13°D52 | 12°47 | 28° 1 | n.a. | F 22 |
| S 23 | 12 58 10 | 15°16'03 | 5♒12 | 12°49 | 0♈30 | 27°59 | 21°19 | 6°51 | 24°37 | 23° 8 | 18°13 | 13°53 | 12°44 | 28° 8 | n.a. | S 23 |
| S 24 | 13 2 7 | 16°13'13 | 19°28 | 12°17 | 1°43 | 28°38 | 21°25 | 6°59 | 24°35 | 23° 6 | 18°12 | 13°54 | 12°41 | 28°15 | n.a. | S 24 |
| M25 | 13 6 3 | 17°10'22 | 3♓43 | 11°46 | 2°57 | 29°17 | 21°32 | 7° 7 | 24°34 | 23° 5 | 18°12 | 13°55 | 12°38 | 28°22 | n.a. | M25 |
| T 26 | 13 10 0 | 18° 7'31 | 17°54 | 11°17 | 4°10 | 29°57 | 21°38 | 7°15 | 24°33 | 23° 3 | 18°11 | 13°R55 | 12°34 | 28°28 | n.a. | T 26 |
| W27 | 13 13 56 | 19° 4'40 | 1♈57 | 10°51 | 5°23 | 0♉36 | 21°44 | 7°23 | 24°32 | 23° 2 | 18°10 | 13°54 | 12°31 | 28°35 | n.a. | W27 |
| T 28 | 13 17 53 | 20° 1'48 | 15°49 | 10°27 | 6°36 | 1°15 | 21°50 | 7°30 | 24°31 | 23° 0 | 18°10 | 13°51 | 12°28 | 28°42 | n.a. | T 28 |
| F 29 | 13 21 49 | 20°58'55 | 29°27 | 10° 7 | 7°50 | 1°54 | 21°55 | 7°38 | 24°30 | 22°58 | 18° 9 | 13°47 | 12°25 | 28°48 | n.a. | F 29 |
| S 30 | 13 25 46 | 21♈56'02 | 12♉48 | 9♈51 | 9♈ 3 | 2♉33 | 22♑ 1 | 7♈46 | 24♎29 | 22♏57 | 18♎ 9 | 13♓41 | 12♓22 | 28♋55 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 2s20 | 11n21 | 3n11 | 8n39 | 2n48 | 11s46 | 1s32 | 5n32 | 0n 9 | 23s30 | 0s52 | 0s28 | 2s15 | 14n 9 | 0n51 | 7s31 | 2n 0 | 32n11 | 17n38 | 6s20 | 6s27 | 25n12 | | n.a. |
| S 2 | 1 57 | 17 10 | 4 4 | 8 51 | 2 44 | 11 19 | 1 32 | 5 49 | 0 9 | 23 29 | 0 52 | 0 24 | 2 15 | 14 10 | 0 51 | 7 31 | 2 0 | 32 11 | 17 38 | 6 21 | 6 29 | 25 10 | | n.a. |
| S 3 | 1 33 | 22 0 | 4 43 | 9 0 | 2 40 | 10 51 | 1 32 | 6 5 | 0 10 | 23 28 | 0 53 | 0 21 | 2 15 | 14 11 | 0 51 | 7 30 | 2 0 | 32 11 | 17 37 | 6 21 | 6 30 | 25 9 | | n.a. |
| M 4 | 1 10 | 25 41 | 5 7 | 9 7 | 2 35 | 10 23 | 1 32 | 6 21 | 0 10 | 23 27 | 0 53 | 0 18 | 2 15 | 14 11 | 0 51 | 7 30 | 2 0 | 32 11 | 17 37 | 6 22 | 6 31 | 25 7 | | n.a. |
| T 5 | 0 47 | 28 3 | 5 16 | 9 10 | 2 29 | 9 55 | 1 31 | 6 37 | 0 11 | 23 26 | 0 53 | 0 15 | 2 15 | 14 12 | 0 51 | 7 29 | 2 0 | 32 11 | 17 37 | 6 22 | 6 32 | 25 5 | | n.a. |
| W 6 | 0 23 | 29 0 | 5 10 | 9 11 | 2 21 | 9 27 | 1 31 | 6 54 | 0 11 | 23 25 | 0 53 | 0 11 | 2 15 | 14 13 | 0 50 | 7 29 | 2 0 | 32 11 | 17 36 | 6 23 | 6 34 | 25 3 | | n.a. |
| T 7 | 0 0 | 28 34 | 4 51 | 9 9 | 2 13 | 8 59 | 1 31 | 7 10 | 0 12 | 23 24 | 0 54 | 0 8 | 2 15 | 14 13 | 0 50 | 7 28 | 2 0 | 32 11 | 17 36 | 6 23 | 6 35 | 25 1 | | n.a. |
| F 8 | 0n23 | 26 49 | 4 19 | 9 4 | 2 3 | 8 30 | 1 31 | 7 26 | 0 13 | 23 23 | 0 54 | 0 5 | 2 15 | 14 14 | 0 50 | 7 28 | 2 0 | 32 11 | 17 36 | 6 22 | 6 36 | 24 59 | | n.a. |
| S 9 | 0 46 | 23 53 | 3 37 | 8 56 | 1 53 | 8 1 | 1 30 | 7 42 | 0 13 | 23 22 | 0 54 | 0 2 | 2 15 | 14 15 | 0 50 | 7 27 | 2 0 | 32 11 | 17 35 | 6 22 | 6 37 | 24 57 | | n.a. |
| S 10 | 1 10 | 19 56 | 2 45 | 8 45 | 1 41 | 7 32 | 1 30 | 7 57 | 0 14 | 23 21 | 0 54 | 0n 1 | 2 15 | 14 15 | 0 50 | 7 26 | 2 0 | 32 11 | 17 35 | 6 21 | 6 39 | 24 55 | | n.a. |
| M11 | 1 33 | 15 10 | 1 45 | 8 32 | 1 29 | 7 2 | 1 29 | 8 13 | 0 14 | 23 20 | 0 55 | 0 5 | 2 15 | 14 16 | 0 50 | 7 26 | 2 0 | 32 11 | 17 34 | 6 21 | 6 40 | 24 53 | | n.a. |
| T 12 | 1 56 | 9 45 | 0 40 | 8 16 | 1 16 | 6 33 | 1 28 | 8 29 | 0 15 | 23 19 | 0 55 | 0 8 | 2 15 | 14 17 | 0 50 | 7 25 | 2 0 | 32 11 | 17 34 | 6 20 | 6 41 | 24 51 | | n.a. |
| W13 | 2 19 | 3 52 | 0s28 | 7 58 | 1 2 | 6 3 | 1 28 | 8 45 | 0 15 | 23 18 | 0 55 | 0 11 | 2 15 | 14 17 | 0 50 | 7 25 | 2 0 | 32 11 | 17 34 | 6 20 | 6 42 | 24 49 | | n.a. |
| T 14 | 2 42 | 2s15 | 1 36 | 7 37 | 0 47 | 5 33 | 1 27 | 9 0 | 0 16 | 23 17 | 0 55 | 0 14 | 2 15 | 14 18 | 0 50 | 7 24 | 2 0 | 32 11 | 17 33 | 6 21 | 6 44 | 24 47 | | n.a. |
| F 15 | 3 5 | 8 25 | 2 40 | 7 15 | 0 31 | 5 3 | 1 26 | 9 16 | 0 17 | 23 16 | 0 56 | 0 18 | 2 15 | 14 18 | 0 50 | 7 24 | 2 0 | 32 11 | 17 33 | 6 21 | 6 45 | 24 45 | | n.a. |
| S 16 | 3 28 | 14 20 | 3 38 | 6 51 | 0 15 | 4 33 | 1 25 | 9 31 | 0 17 | 23 15 | 0 56 | 0 21 | 2 15 | 14 19 | 0 50 | 7 23 | 2 0 | 32 11 | 17 32 | 6 23 | 6 46 | 24 44 | | n.a. |
| S 17 | 3 51 | 19 42 | 4 24 | 6 25 | 0s 1 | 4 3 | 1 24 | 9 47 | 0 18 | 23 14 | 0 56 | 0 24 | 2 15 | 14 19 | 0 50 | 7 22 | 2 0 | 32 11 | 17 32 | 6 24 | 6 47 | 24 42 | | n.a. |
| M18 | 4 14 | 24 10 | 4 56 | 5 58 | 0 18 | 3 32 | 1 23 | 10 2 | 0 18 | 23 13 | 0 56 | 0 27 | 2 15 | 14 20 | 0 50 | 7 22 | 2 0 | 32 11 | 17 31 | 6 26 | 6 49 | 24 40 | | n.a. |
| T 19 | 4 37 | 27 20 | 5 12 | 5 30 | 0 35 | 3 2 | 1 22 | 10 17 | 0 19 | 23 12 | 0 57 | 0 30 | 2 15 | 14 20 | 0 50 | 7 21 | 2 0 | 32 11 | 17 31 | 6 27 | 6 50 | 24 38 | | n.a. |
| W20 | 5 0 | 28 52 | 5 9 | 5 2 | 0 52 | 2 31 | 1 21 | 10 32 | 0 19 | 23 11 | 0 57 | 0 34 | 2 15 | 14 21 | 0 50 | 7 21 | 2 0 | 32 11 | 17 31 | 6 28 | 6 51 | 24 36 | | n.a. |
| T 21 | 5 23 | 28 33 | 4 48 | 4 33 | 1 9 | 2 0 | 1 20 | 10 48 | 0 20 | 23 11 | 0 57 | 0 37 | 2 15 | 14 21 | 0 50 | 7 20 | 2 0 | 32 10 | 17 30 | 6 28 | 6 52 | 24 34 | | n.a. |
| F 22 | 5 45 | 26 22 | 4 10 | 4 5 | 1 25 | 1 29 | 1 19 | 11 3 | 0 20 | 23 10 | 0 58 | 0 40 | 2 15 | 14 22 | 0 50 | 7 19 | 2 0 | 32 10 | 17 30 | 6 28 | 6 54 | 24 32 | | n.a. |
| S 23 | 6 8 | 22 31 | 3 16 | 3 37 | 1 41 | 0 59 | 1 18 | 11 17 | 0 21 | 23 9 | 0 58 | 0 43 | 2 15 | 14 22 | 0 50 | 7 19 | 2 0 | 32 10 | 17 29 | 6 28 | 6 55 | 24 30 | | n.a. |
| S 24 | 6 30 | 17 20 | 2 10 | 3 10 | 1 57 | 0 28 | 1 16 | 11 32 | 0 21 | 23 8 | 0 58 | 0 46 | 2 15 | 14 22 | 0 50 | 7 18 | 2 0 | 32 10 | 17 29 | 6 27 | 6 56 | 24 28 | | n.a. |
| M25 | 6 53 | 11 12 | 0 55 | 2 44 | 2 11 | 0n 3 | 1 15 | 11 47 | 0 22 | 23 7 | 0 58 | 0 50 | 2 15 | 14 23 | 0 50 | 7 18 | 2 0 | 32 10 | 17 28 | 6 27 | 6 57 | 24 25 | | n.a. |
| T 26 | 7 15 | 4 33 | 0n22 | 2 20 | 2 25 | 0 34 | 1 13 | 12 2 | 0 23 | 23 7 | 0 59 | 0 53 | 2 15 | 14 23 | 0 50 | 7 17 | 2 0 | 32 9 | 17 28 | 6 27 | 6 59 | 24 23 | | n.a. |
| W27 | 7 37 | 2n16 | 1 37 | 1 58 | 2 38 | 1 5 | 1 12 | 12 16 | 0 23 | 23 6 | 0 59 | 0 56 | 2 15 | 14 23 | 0 50 | 7 16 | 2 0 | 32 9 | 17 27 | 6 27 | 7 0 | 24 21 | | n.a. |
| T 28 | 7 59 | 8 53 | 2 45 | 1 38 | 2 50 | 1 36 | 1 10 | 12 31 | 0 24 | 23 5 | 0 59 | 0 59 | 2 15 | 14 24 | 0 50 | 7 16 | 2 0 | 32 9 | 17 27 | 6 28 | 7 1 | 24 19 | | n.a. |
| F 29 | 8 21 | 14 57 | 3 42 | 1 20 | 3 0 | 2 7 | 1 9 | 12 45 | 0 24 | 23 5 | 1 0 | 1 2 | 2 15 | 14 24 | 0 50 | 7 15 | 2 0 | 32 9 | 17 26 | 6 30 | 7 2 | 24 17 | | n.a. |
| S 30 | 8n43 | 20n12 | 4n26 | 1n 4 | 3s10 | 2n38 | 1s 7 | 12n59 | 0n25 | 23s 4 | 1s 0 | 1n 5 | 2s15 | 14n24 | 0n50 | 7s15 | 2n 0 | 32n 8 | 17n26 | 6s33 | 7s 3 | 24n15 | | n.a. |

Julian Day Number = 999414.5, Delta T = 12h52m59s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'38, Lahiri = -31°12'37 Julian Calendar 1 Apr. 1977 BCE == Greg. Calendar 15 March 1977 BCE


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## MAY 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 29 43 | 22♈53'09 | 25♉50 | 9°R38 | 10♈16 | 3♉13 | 22♊ 6 | 7♈54 | 24°R28 | 22°R55 | 18°R 8 | 13°R34 | 12♓19 | 29♋ 2 | n.a. | S 1 |
| M 2 | 13 33 39 | 23°50'14 | 8♊33 | 9♈29 | 11°29 | 3°52 | 22°11 | 8° 2 | 24♌27 | 22♎54 | 18♌ 8 | 13♓28 | 12°15 | 29° 8 | n.a. | M 2 |
| T 3 | 13 37 36 | 24°47'20 | 20°59 | 9°D25 | 12°43 | 4°31 | 22°16 | 8° 9 | 24°26 | 22°52 | 18° 7 | 13°23 | 12°12 | 29°15 | n.a. | T 3 |
| W 4 | 13 41 32 | 25°44'24 | 3♋10 | 9°26 | 13°56 | 5°10 | 22°21 | 8°17 | 24°25 | 22°50 | 18° 7 | 13°18 | 12° 9 | 29°22 | n.a. | W 4 |
| T 5 | 13 45 29 | 26°41'29 | 15° 9 | 9°31 | 15° 9 | 5°49 | 22°26 | 8°25 | 24°24 | 22°49 | 18° 7 | 13°16 | 12° 6 | 29°28 | n.a. | T 5 |
| F 6 | 13 49 25 | 27°38'32 | 27° 2 | 9°40 | 16°23 | 6°28 | 22°30 | 8°32 | 24°24 | 22°47 | 18° 6 | 13°D15 | 12° 3 | 29°35 | n.a. | F 6 |
| S 7 | 13 53 22 | 28°35'35 | 8♌53 | 9°54 | 17°36 | 7° 7 | 22°35 | 8°40 | 24°23 | 22°46 | 18° 6 | 13°16 | 11°59 | 29°42 | n.a. | S 7 |
| S 8 | 13 57 18 | 29°32'37 | 20°46 | 10°13 | 18°49 | 7°46 | 22°39 | 8°48 | 24°22 | 22°44 | 18° 6 | 13°17 | 11°56 | 29°48 | n.a. | S 8 |
| M 9 | 14 1 15 | 0♉29'39 | 2♍48 | 10°37 | 20° 3 | 8°25 | 22°43 | 8°55 | 24°22 | 22°42 | 18° 5 | 13°18 | 11°53 | 29°55 | n.a. | M 9 |
| T 10 | 14 5 12 | 1°26'41 | 15° 3 | 11° 5 | 21°16 | 9° 4 | 22°47 | 9° 3 | 24°21 | 22°41 | 18° 5 | 13°R19 | 11°50 | 0♌ 2 | n.a. | T 10 |
| W11 | 14 9 8 | 2°23'42 | 27°34 | 11°38 | 22°29 | 9°43 | 22°50 | 9°10 | 24°21 | 22°39 | 18° 5 | 13°18 | 11°47 | 0° 8 | n.a. | W11 |
| T 12 | 14 13 5 | 3°20'42 | 10♎24 | 12°15 | 23°43 | 10°22 | 22°54 | 9°18 | 24°20 | 22°38 | 18° 5 | 13°14 | 11°44 | 0°15 | n.a. | T 12 |
| F 13 | 14 17 1 | 4°17'43 | 23°35 | 12°57 | 24°56 | 11° 1 | 22°57 | 9°25 | 24°20 | 22°36 | 18° 5 | 13° 9 | 11°40 | 0°22 | n.a. | F 13 |
| S 14 | 14 20 58 | 5°14'44 | 7♏ 6 | 13°43 | 26°10 | 11°40 | 23° 0 | 9°33 | 24°20 | 22°34 | 18° 5 | 13° 2 | 11°37 | 0°28 | n.a. | S 14 |
| S 15 | 14 24 54 | 6°11'44 | 20°55 | 14°33 | 27°23 | 12°19 | 23° 3 | 9°40 | 24°20 | 22°33 | 18°D 5 | 12°54 | 11°34 | 0°35 | n.a. | S 15 |
| M16 | 14 28 51 | 7° 8'45 | 4♐58 | 15°28 | 28°37 | 12°57 | 23° 6 | 9°48 | 24°19 | 22°31 | 18° 5 | 12°46 | 11°31 | 0°42 | n.a. | M16 |
| T 17 | 14 32 48 | 8° 5'46 | 19°10 | 16°27 | 29°50 | 13°36 | 23° 9 | 9°55 | 24°19 | 22°30 | 18° 5 | 12°38 | 11°28 | 0°49 | n.a. | T 17 |
| W18 | 14 36 44 | 9° 2'48 | 3♑28 | 17°30 | 1♉ 4 | 14°15 | 23°11 | 10° 2 | 24°19 | 22°28 | 18° 5 | 12°32 | 11°25 | 0°55 | n.a. | W18 |
| T 19 | 14 40 41 | 9°59'49 | 17°46 | 18°37 | 2°17 | 14°54 | 23°13 | 10°10 | 24°D19 | 22°27 | 18° 5 | 12°28 | 11°21 | 1° 2 | n.a. | T 19 |
| F 20 | 14 44 37 | 10°56'52 | 2♒ 1 | 19°49 | 3°31 | 15°33 | 23°15 | 10°17 | 24°19 | 22°25 | 18° 5 | 12°26 | 11°18 | 1° 9 | n.a. | F 20 |
| S 21 | 14 48 34 | 11°53'54 | 16°10 | 21° 4 | 4°44 | 16°11 | 23°17 | 10°24 | 24°19 | 22°24 | 18° 5 | 12°D25 | 11°15 | 1°15 | n.a. | S 21 |
| S 22 | 14 52 30 | 12°50'58 | 0♓13 | 22°24 | 5°58 | 16°50 | 23°19 | 10°31 | 24°19 | 22°22 | 18° 6 | 12°26 | 11°12 | 1°22 | n.a. | S 22 |
| M23 | 14 56 27 | 13°48'01 | 14° 8 | 23°47 | 7°11 | 17°29 | 23°20 | 10°38 | 24°19 | 22°21 | 18° 6 | 12°R26 | 11° 9 | 1°29 | n.a. | M23 |
| T 24 | 15 0 24 | 14°45'05 | 27°56 | 25°14 | 8°25 | 18° 7 | 23°21 | 10°45 | 24°20 | 22°19 | 18° 6 | 12°25 | 11° 5 | 1°35 | n.a. | T 24 |
| W25 | 15 4 20 | 15°42'10 | 11♈34 | 26°45 | 9°39 | 18°46 | 23°22 | 10°52 | 24°20 | 22°18 | 18° 6 | 12°22 | 11° 2 | 1°42 | n.a. | W25 |
| T 26 | 15 8 17 | 16°39'16 | 25° 2 | 28°19 | 10°52 | 19°25 | 23°23 | 10°59 | 24°20 | 22°16 | 18° 7 | 12°16 | 10°59 | 1°49 | n.a. | T 26 |
| F 27 | 15 12 13 | 17°36'22 | 8♉18 | 29°57 | 12° 6 | 20° 3 | 23°24 | 11° 6 | 24°21 | 22°15 | 18° 7 | 12° 8 | 10°56 | 1°55 | n.a. | F 27 |
| S 28 | 15 16 10 | 18°33'28 | 21°22 | 1♉39 | 13°20 | 20°42 | 23°24 | 11°13 | 24°21 | 22°13 | 18° 8 | 11°58 | 10°53 | 2° 2 | n.a. | S 28 |
| S 29 | 15 20 6 | 19°30'35 | 4♊10 | 3°24 | 14°34 | 21°21 | 23°25 | 11°20 | 24°22 | 22°12 | 18° 8 | 11°46 | 10°50 | 2° 9 | n.a. | S 29 |
| M30 | 15 24 3 | 20°27'43 | 16°44 | 5°12 | 15°47 | 21°59 | 23°R25 | 11°27 | 24°22 | 22°11 | 18° 8 | 11°35 | 10°46 | 2°15 | n.a. | M30 |
| T 31 | 15 27 59 | 21♉24'51 | 29♊ 4 | 7♉ 3 | 17♉ 1 | 22♉38 | 23♊24 | 11♈34 | 24♌23 | 22♎ 9 | 18♌ 9 | 11♓24 | 10♓43 | 2♌22 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9n 4 | 24n22 | 4n55 | 0n52 | 3s18 | 3n 9 | 1s 5 | 13n14 | 0n25 | 23s 4 | 1s 0 | 1n 8 | 2s15 | 14n25 | 0n50 | 7s14 | 2n 0 | 32n 8 | 17n25 | 6s35 | 7s 5 | 24n13 | | n.a. |
| M 2 | 9 26 | 27 15 | 5 8 | 0 42 | 3 25 | 3 39 | 1 4 | 13 28 | 0 26 | 23 3 | 1 1 | 1 11 | 2 15 | 14 25 | 0 50 | 7 13 | 2 0 | 32 8 | 17 25 | 6 38 | 7 6 | 24 11 | | n.a. |
| T 3 | 9 47 | 28 43 | 5 7 | 0 35 | 3 31 | 4 10 | 1 2 | 13 42 | 0 26 | 23 2 | 1 1 | 1 14 | 2 15 | 14 25 | 0 50 | 7 13 | 2 0 | 32 7 | 17 24 | 6 40 | 7 7 | 24 9 | | n.a. |
| W 4 | 10 9 | 28 44 | 4 51 | 0 30 | 3 36 | 4 41 | 1 0 | 13 56 | 0 27 | 23 2 | 1 1 | 1 18 | 2 15 | 14 25 | 0 50 | 7 12 | 2 0 | 32 7 | 17 24 | 6 41 | 7 8 | 24 7 | | n.a. |
| T 5 | 10 30 | 27 24 | 4 23 | 0 29 | 3 40 | 5 11 | 0 58 | 14 9 | 0 27 | 23 1 | 1 1 | 1 21 | 2 15 | 14 26 | 0 49 | 7 11 | 2 0 | 32 7 | 17 23 | 6 42 | 7 10 | 24 5 | | n.a. |
| F 6 | 10 51 | 24 50 | 3 44 | 0 31 | 3 42 | 5 42 | 0 56 | 14 23 | 0 28 | 23 1 | 1 2 | 1 24 | 2 15 | 14 26 | 0 49 | 7 11 | 2 0 | 32 6 | 17 23 | 6 43 | 7 11 | 24 3 | | n.a. |
| S 7 | 11 11 | 21 13 | 2 55 | 0 35 | 3 44 | 6 12 | 0 55 | 14 37 | 0 28 | 23 1 | 1 2 | 1 27 | 2 15 | 14 26 | 0 49 | 7 10 | 2 0 | 32 6 | 17 22 | 6 42 | 7 12 | 24 1 | | n.a. |
| S 8 | 11 32 | 16 44 | 1 59 | 0 42 | 3 44 | 6 43 | 0 53 | 14 50 | 0 29 | 23 0 | 1 2 | 1 30 | 2 15 | 14 26 | 0 49 | 7 10 | 2 0 | 32 5 | 17 22 | 6 42 | 7 13 | 23 59 | | n.a. |
| M 9 | 11 53 | 11 33 | 0 56 | 0 52 | 3 43 | 7 13 | 0 51 | 15 3 | 0 29 | 23 0 | 1 3 | 1 33 | 2 15 | 14 26 | 0 49 | 7 9 | 2 0 | 32 5 | 17 21 | 6 41 | 7 15 | 23 56 | | n.a. |
| T 10 | 12 13 | 5 52 | 0s 9 | 1 5 | 3 41 | 7 43 | 0 49 | 15 17 | 0 30 | 22 59 | 1 3 | 1 36 | 2 15 | 14 27 | 0 49 | 7 9 | 2 0 | 32 5 | 17 21 | 6 41 | 7 16 | 23 54 | | n.a. |
| W11 | 12 33 | 0s10 | 1 16 | 1 21 | 3 39 | 8 12 | 0 47 | 15 30 | 0 30 | 22 59 | 1 3 | 1 39 | 2 15 | 14 27 | 0 49 | 7 8 | 2 0 | 32 4 | 17 20 | 6 42 | 7 17 | 23 52 | | n.a. |
| T 12 | 12 53 | 6 21 | 2 21 | 1 39 | 3 35 | 8 42 | 0 44 | 15 43 | 0 31 | 22 59 | 1 4 | 1 42 | 2 15 | 14 27 | 0 49 | 7 7 | 2 0 | 32 4 | 17 19 | 6 43 | 7 18 | 23 50 | | n.a. |
| F 13 | 13 12 | 12 25 | 3 19 | 1 59 | 3 31 | 9 11 | 0 42 | 15 56 | 0 31 | 22 59 | 1 4 | 1 44 | 2 15 | 14 27 | 0 49 | 7 7 | 2 0 | 32 3 | 17 19 | 6 45 | 7 20 | 23 48 | | n.a. |
| S 14 | 13 32 | 18 3 | 4 8 | 2 22 | 3 25 | 9 41 | 0 40 | 16 8 | 0 32 | 22 58 | 1 4 | 1 47 | 2 15 | 14 27 | 0 49 | 7 6 | 2 0 | 32 3 | 17 18 | 6 48 | 7 21 | 23 46 | | n.a. |
| S 15 | 13 51 | 22 53 | 4 43 | 2 48 | 3 19 | 10 10 | 0 38 | 16 21 | 0 32 | 22 58 | 1 5 | 1 50 | 2 15 | 14 27 | 0 49 | 7 6 | 2 0 | 32 2 | 17 18 | 6 51 | 7 22 | 23 44 | | n.a. |
| M16 | 14 10 | 26 31 | 5 3 | 3 16 | 3 12 | 10 38 | 0 36 | 16 34 | 0 33 | 22 58 | 1 5 | 1 53 | 2 15 | 14 27 | 0 49 | 7 5 | 2 0 | 32 2 | 17 17 | 6 54 | 7 23 | 23 41 | | n.a. |
| T 17 | 14 29 | 28 31 | 5 3 | 3 45 | 3 5 | 11 7 | 0 34 | 16 46 | 0 33 | 22 58 | 1 5 | 1 56 | 2 16 | 14 27 | 0 49 | 7 5 | 2 0 | 32 1 | 17 17 | 6 57 | 7 24 | 23 39 | | n.a. |
| W18 | 14 48 | 28 38 | 4 45 | 4 18 | 2 57 | 11 35 | 0 31 | 16 58 | 0 34 | 22 58 | 1 6 | 1 59 | 2 16 | 14 27 | 0 49 | 7 4 | 2 0 | 32 1 | 17 16 | 7 0 | 7 26 | 23 37 | | n.a. |
| T 19 | 15 6 | 26 50 | 4 10 | 4 52 | 2 48 | 12 3 | 0 29 | 17 11 | 0 34 | 22 58 | 1 6 | 2 2 | 2 16 | 14 27 | 0 49 | 7 3 | 2 0 | 32 0 | 17 16 | 7 1 | 7 27 | 23 35 | | n.a. |
| F 20 | 15 25 | 23 20 | 3 19 | 5 28 | 2 39 | 12 31 | 0 27 | 17 23 | 0 35 | 22 58 | 1 6 | 2 5 | 2 16 | 14 27 | 0 49 | 7 3 | 2 0 | 32 0 | 17 15 | 7 2 | 7 28 | 23 33 | | n.a. |
| S 21 | 15 43 | 18 28 | 2 16 | 6 5 | 2 29 | 12 59 | 0 25 | 17 35 | 0 35 | 22 58 | 1 7 | 2 7 | 2 16 | 14 27 | 0 49 | 7 2 | 2 0 | 31 59 | 17 15 | 7 2 | 7 29 | 23 31 | | n.a. |
| S 22 | 16 1 | 12 38 | 1 5 | 6 45 | 2 18 | 13 26 | 0 22 | 17 46 | 0 36 | 22 58 | 1 7 | 2 10 | 2 16 | 14 27 | 0 49 | 7 2 | 2 0 | 31 58 | 17 14 | 7 2 | 7 31 | 23 28 | | n.a. |
| M23 | 16 18 | 6 13 | 0n 9 | 7 26 | 2 8 | 13 53 | 0 20 | 17 58 | 0 36 | 22 58 | 1 7 | 2 13 | 2 16 | 14 27 | 0 49 | 7 1 | 2 0 | 31 58 | 17 14 | 7 2 | 7 32 | 23 26 | | n.a. |
| T 24 | 16 35 | 0n24 | 1 22 | 8 9 | 1 57 | 14 19 | 0 18 | 18 10 | 0 37 | 22 58 | 1 8 | 2 16 | 2 16 | 14 27 | 0 49 | 7 1 | 2 0 | 31 57 | 17 13 | 7 2 | 7 33 | 23 24 | | n.a. |
| W25 | 16 52 | 6 56 | 2 29 | 8 53 | 1 45 | 14 45 | 0 15 | 18 21 | 0 37 | 22 58 | 1 8 | 2 18 | 2 16 | 14 26 | 0 49 | 7 0 | 2 0 | 31 57 | 17 12 | 7 3 | 7 34 | 23 22 | | n.a. |
| T 26 | 17 9 | 13 4 | 3 26 | 9 38 | 1 34 | 15 11 | 0 13 | 18 32 | 0 38 | 22 58 | 1 8 | 2 21 | 2 16 | 14 26 | 0 49 | 7 0 | 2 0 | 31 56 | 17 12 | 7 6 | 7 36 | 23 20 | | n.a. |
| F 27 | 17 26 | 18 31 | 4 12 | 10 25 | 1 22 | 15 37 | 0 11 | 18 43 | 0 38 | 22 58 | 1 8 | 2 24 | 2 16 | 14 26 | 0 49 | 6 59 | 2 0 | 31 55 | 17 11 | 7 9 | 7 37 | 23 17 | | n.a. |
| S 28 | 17 42 | 23 1 | 4 43 | 11 12 | 1 10 | 16 2 | 0 8 | 18 54 | 0 38 | 22 59 | 1 9 | 2 26 | 2 17 | 14 26 | 0 48 | 6 59 | 2 0 | 31 55 | 17 11 | 7 13 | 7 38 | 23 15 | | n.a. |
| S 29 | 17 58 | 26 18 | 4 59 | 12 0 | 0 58 | 16 26 | 0 6 | 19 5 | 0 39 | 22 59 | 1 9 | 2 29 | 2 17 | 14 26 | 0 48 | 6 58 | 2 0 | 31 54 | 17 10 | 7 17 | 7 39 | 23 13 | | n.a. |
| M30 | 18 13 | 28 14 | 5 1 | 12 48 | 0 46 | 16 51 | 0 3 | 19 16 | 0 39 | 22 59 | 1 9 | 2 32 | 2 17 | 14 25 | 0 48 | 6 58 | 2 0 | 31 53 | 17 10 | 7 22 | 7 40 | 23 11 | | n.a. |
| T 31 | 18n29 | 28n43 | 4n48 | 13n37 | 0s34 | 17n14 | 0s 1 | 19n27 | 0n40 | 23s 0 | 1s10 | 2n34 | 2s17 | 14n25 | 0n48 | 6s57 | 2n 0 | 31n53 | 17n 9 | 7s26 | 7s42 | 23n 8 | | n.a. |

Julian Day Number = 999444.5, Delta T = 12h52m57s
Ecliptic obliquity = 23°55'28, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'34, Lahiri = -31°12'33 Julian Calendar 1 May 1977 BCE == Greg. Calendar 14 Apr. 1977 BCE

The year -1976 astronomical counting style corresponds to year 1977 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## JUNE 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 31 56 | 22♉21'59 | 11♋11 | 8♉57 | 18♉15 | 23♉17 | 23°R24 | 11♈40 | 24♏23 | 22°R 8 | 18♏10 | 11°R16 | 10♓40 | 2♏29 | n.a. | W 1 |
| T 2 | 15 35 53 | 23°19'08 | 23° 8 | 10°53 | 19°29 | 23°55 | 23♊24 | 11°47 | 24°24 | 22♎ 7 | 18°10 | 11♓ 9 | 10°37 | 2°35 | n.a. | T 2 |
| F 3 | 15 39 49 | 24°16'17 | 4♏59 | 12°52 | 20°42 | 24°34 | 23°23 | 11°54 | 24°25 | 22° 5 | 18°11 | 11° 6 | 10°34 | 2°42 | n.a. | F 3 |
| S 4 | 15 43 46 | 25°13'26 | 16°48 | 14°53 | 21°56 | 25°12 | 23°22 | 12° 0 | 24°26 | 22° 4 | 18°11 | 11° 4 | 10°31 | 2°49 | n.a. | S 4 |
| S 5 | 15 47 42 | 26°10'36 | 28°41 | 16°56 | 23°10 | 25°51 | 23°21 | 12° 7 | 24°26 | 22° 3 | 18°12 | 11°D 4 | 10°27 | 2°55 | n.a. | S 5 |
| M 6 | 15 51 39 | 27° 7'47 | 10♍42 | 19° 0 | 24°24 | 26°29 | 23°20 | 12°13 | 24°27 | 22° 1 | 18°13 | 11°R 4 | 10°24 | 3° 2 | n.a. | M 6 |
| T 7 | 15 55 35 | 28° 4'58 | 22°58 | 21° 5 | 25°38 | 27° 8 | 23°18 | 12°19 | 24°28 | 22° 0 | 18°13 | 11° 3 | 10°21 | 3° 9 | n.a. | T 7 |
| W 8 | 15 59 32 | 29° 2'09 | 5♎33 | 23°11 | 26°52 | 27°46 | 23°16 | 12°26 | 24°29 | 21°59 | 18°14 | 11° 1 | 10°18 | 3°15 | n.a. | W 8 |
| T 9 | 16 3 29 | 29°59'21 | 18°30 | 25°18 | 28° 6 | 28°25 | 23°15 | 12°32 | 24°30 | 21°58 | 18°15 | 10°57 | 10°15 | 3°22 | n.a. | T 9 |
| F 10 | 16 7 25 | 0♊56'34 | 1♏52 | 27°25 | 29°19 | 29° 3 | 23°13 | 12°38 | 24°31 | 21°57 | 18°16 | 10°50 | 10°11 | 3°29 | n.a. | F 10 |
| S 11 | 16 11 22 | 1°53'48 | 15°40 | 29°32 | 0♊33 | 29°41 | 23°10 | 12°44 | 24°33 | 21°56 | 18°17 | 10°41 | 10° 8 | 3°35 | n.a. | S 11 |
| S 12 | 16 15 18 | 2°51'02 | 29°50 | 1♊38 | 1°47 | 0♊20 | 23° 8 | 12°50 | 24°34 | 21°54 | 18°18 | 10°30 | 10° 5 | 3°42 | n.a. | S 12 |
| M13 | 16 19 15 | 3°48'18 | 14♐18 | 3°44 | 3° 1 | 0°58 | 23° 5 | 12°56 | 24°35 | 21°53 | 18°19 | 10°19 | 10° 2 | 3°49 | n.a. | M13 |
| T 14 | 16 23 11 | 4°45'35 | 28°57 | 5°50 | 4°15 | 1°37 | 23° 2 | 13° 2 | 24°36 | 21°52 | 18°20 | 10° 8 | 9°59 | 3°55 | n.a. | T 14 |
| W15 | 16 27 8 | 5°42'53 | 13♑39 | 7°54 | 5°29 | 2°15 | 22°59 | 13° 8 | 24°38 | 21°51 | 18°21 | 10° 0 | 9°56 | 4° 2 | n.a. | W15 |
| T 16 | 16 31 5 | 6°40'12 | 28°18 | 9°58 | 6°43 | 2°53 | 22°56 | 13°14 | 24°39 | 21°50 | 18°22 | 9°53 | 9°52 | 4° 9 | n.a. | T 16 |
| F 17 | 16 35 1 | 7°37'32 | 12♒46 | 12° 0 | 7°57 | 3°32 | 22°53 | 13°20 | 24°41 | 21°49 | 18°23 | 9°50 | 9°49 | 4°16 | n.a. | F 17 |
| S 18 | 16 38 58 | 8°34'54 | 27° 2 | 14° 1 | 9°12 | 4°10 | 22°49 | 13°26 | 24°42 | 21°48 | 18°24 | 9°49 | 9°46 | 4°22 | n.a. | S 18 |
| S 19 | 16 42 54 | 9°32'17 | 11♓ 3 | 16° 0 | 10°26 | 4°49 | 22°46 | 13°31 | 24°44 | 21°47 | 18°25 | 9°49 | 9°43 | 4°29 | n.a. | S 19 |
| M20 | 16 46 51 | 10°29'42 | 24°49 | 17°59 | 11°40 | 5°27 | 22°42 | 13°37 | 24°45 | 21°46 | 18°26 | 9°48 | 9°40 | 4°36 | n.a. | M20 |
| T 21 | 16 50 47 | 11°27'08 | 8♈21 | 19°55 | 12°54 | 6° 5 | 22°38 | 13°42 | 24°47 | 21°45 | 18°27 | 9°47 | 9°37 | 4°42 | n.a. | T 21 |
| W22 | 16 54 44 | 12°24'36 | 21°40 | 21°51 | 14° 8 | 6°44 | 22°33 | 13°48 | 24°49 | 21°44 | 18°28 | 9°43 | 9°33 | 4°49 | n.a. | W22 |
| T 23 | 16 58 40 | 13°22'05 | 4♉47 | 23°45 | 15°22 | 7°22 | 22°29 | 13°53 | 24°50 | 21°44 | 18°30 | 9°36 | 9°30 | 4°56 | n.a. | T 23 |
| F 24 | 17 2 37 | 14°19'36 | 17°42 | 25°37 | 16°36 | 8° 0 | 22°24 | 13°58 | 24°52 | 21°43 | 18°31 | 9°26 | 9°27 | 5° 2 | n.a. | F 24 |
| S 25 | 17 6 34 | 15°17'09 | 0♊26 | 27°28 | 17°51 | 8°38 | 22°20 | 14° 3 | 24°54 | 21°42 | 18°32 | 9°14 | 9°24 | 5° 9 | n.a. | S 25 |
| S 26 | 17 10 30 | 16°14'42 | 12°58 | 29°17 | 19° 5 | 9°17 | 22°15 | 14° 8 | 24°56 | 21°41 | 18°33 | 9° 1 | 9°21 | 5°16 | n.a. | S 26 |
| M27 | 17 14 27 | 17°12'18 | 25°19 | 1♋ 5 | 20°19 | 9°55 | 22°10 | 14°13 | 24°58 | 21°40 | 18°35 | 8°48 | 9°17 | 5°22 | n.a. | M27 |
| T 28 | 17 18 23 | 18° 9'54 | 7♋29 | 2°51 | 21°33 | 10°33 | 22° 4 | 14°18 | 25° 0 | 21°40 | 18°36 | 8°36 | 9°14 | 5°29 | n.a. | T 28 |
| W29 | 17 22 20 | 19° 7'32 | 19°30 | 4°36 | 22°48 | 11°12 | 21°59 | 14°23 | 25° 2 | 21°39 | 18°38 | 8°25 | 9°11 | 5°36 | n.a. | W29 |
| T 30 | 17 26 16 | 20♊ 5'12 | 1♏23 | 6♋19 | 24♊ 2 | 11♊50 | 21♑53 | 14♈28 | 25♏ 4 | 21♎38 | 18♏39 | 8♓18 | 9♓ 8 | 5♏42 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 18n44 | 27n48 | 4n22 | 14n26 | 0s22 | 17n38 | 0n 1 | 19n37 | 0n40 | 23s 0 | 1s10 | 2n37 | 2s17 | 14n25 | 0n48 | 6s57 | 1n59 | 31n52 | 17n 9 | 7s29 | 7s43 | 23n 6 | | n.a. |
| T 2 | 18 59 | 25 36 | 3 46 | 15 14 | 0 10 | 18 1 | 0 4 | 19 47 | 0 41 | 23 0 | 1 10 | 2 39 | 2 17 | 14 25 | 0 48 | 6 56 | 1 59 | 31 51 | 17 8 | 7 32 | 7 44 | 23 4 | | n.a. |
| F 3 | 19 13 | 22 18 | 2 59 | 16 2 | 0n 2 | 18 23 | 0 6 | 19 57 | 0 41 | 23 1 | 1 11 | 2 42 | 2 17 | 14 24 | 0 48 | 6 56 | 1 59 | 31 51 | 17 8 | 7 33 | 7 45 | 23 2 | | n.a. |
| S 4 | 19 27 | 18 6 | 2 5 | 16 50 | 0 13 | 18 45 | 0 8 | 20 7 | 0 42 | 23 1 | 1 11 | 2 44 | 2 17 | 14 24 | 0 48 | 6 55 | 1 59 | 31 50 | 17 7 | 7 34 | 7 47 | 22 59 | | n.a. |
| S 5 | 19 41 | 13 11 | 1 5 | 17 36 | 0 23 | 19 7 | 0 11 | 20 17 | 0 42 | 23 2 | 1 11 | 2 47 | 2 18 | 14 24 | 0 48 | 6 55 | 1 59 | 31 49 | 17 6 | 7 34 | 7 48 | 22 57 | | n.a. |
| M 6 | 19 55 | 7 44 | 0 2 | 18 22 | 0 34 | 19 28 | 0 13 | 20 27 | 0 43 | 23 2 | 1 12 | 2 49 | 2 18 | 14 23 | 0 48 | 6 54 | 1 59 | 31 48 | 17 6 | 7 34 | 7 49 | 22 55 | | n.a. |
| T 7 | 20 8 | 1 53 | 1s 3 | 19 6 | 0 44 | 19 48 | 0 15 | 20 37 | 0 43 | 23 3 | 1 12 | 2 51 | 2 18 | 14 23 | 0 48 | 6 54 | 1 59 | 31 48 | 17 5 | 7 34 | 7 50 | 22 53 | | n.a. |
| W 8 | 20 21 | 4s10 | 2 6 | 19 48 | 0 53 | 20 8 | 0 18 | 20 46 | 0 43 | 23 4 | 1 12 | 2 54 | 2 18 | 14 23 | 0 48 | 6 54 | 1 59 | 31 47 | 17 5 | 7 35 | 7 51 | 22 50 | | n.a. |
| T 9 | 20 33 | 10 13 | 3 4 | 20 28 | 1 1 | 20 28 | 0 20 | 20 55 | 0 44 | 23 4 | 1 13 | 2 56 | 2 18 | 14 22 | 0 48 | 6 53 | 1 59 | 31 46 | 17 4 | 7 36 | 7 53 | 22 48 | | n.a. |
| F 10 | 20 46 | 16 1 | 3 55 | 21 6 | 1 9 | 20 47 | 0 22 | 21 4 | 0 44 | 23 5 | 1 13 | 2 59 | 2 18 | 14 22 | 0 48 | 6 53 | 1 59 | 31 45 | 17 4 | 7 39 | 7 54 | 22 46 | | n.a. |
| S 11 | 20 58 | 21 12 | 4 33 | 21 42 | 1 16 | 21 5 | 0 25 | 21 13 | 0 45 | 23 6 | 1 13 | 3 1 | 2 18 | 14 21 | 0 48 | 6 52 | 1 59 | 31 44 | 17 3 | 7 43 | 7 55 | 22 43 | | n.a. |
| S 12 | 21 9 | 25 20 | 4 55 | 22 16 | 1 23 | 21 23 | 0 27 | 21 22 | 0 45 | 23 6 | 1 14 | 3 3 | 2 18 | 14 21 | 0 48 | 6 52 | 1 59 | 31 44 | 17 3 | 7 47 | 7 56 | 22 41 | | n.a. |
| M13 | 21 20 | 27 56 | 5 0 | 22 47 | 1 29 | 21 40 | 0 29 | 21 31 | 0 46 | 23 7 | 1 14 | 3 5 | 2 19 | 14 20 | 0 48 | 6 52 | 1 59 | 31 43 | 17 2 | 7 51 | 7 58 | 22 39 | | n.a. |
| T 14 | 21 31 | 28 40 | 4 45 | 23 15 | 1 34 | 21 56 | 0 31 | 21 39 | 0 46 | 23 8 | 1 14 | 3 8 | 2 19 | 14 20 | 0 48 | 6 51 | 1 59 | 31 42 | 17 2 | 7 55 | 7 59 | 22 36 | | n.a. |
| W15 | 21 42 | 27 22 | 4 11 | 23 41 | 1 38 | 22 12 | 0 33 | 21 47 | 0 46 | 23 9 | 1 15 | 3 10 | 2 19 | 14 19 | 0 48 | 6 51 | 1 59 | 31 41 | 17 1 | 7 59 | 8 0 | 22 34 | | n.a. |
| T 16 | 21 52 | 24 11 | 3 20 | 24 5 | 1 42 | 22 27 | 0 36 | 21 56 | 0 47 | 23 10 | 1 15 | 3 12 | 2 19 | 14 19 | 0 48 | 6 51 | 1 59 | 31 40 | 17 1 | 8 1 | 8 1 | 22 32 | | n.a. |
| F 17 | 22 1 | 19 31 | 2 18 | 24 25 | 1 45 | 22 42 | 0 38 | 22 4 | 0 47 | 23 11 | 1 15 | 3 14 | 2 19 | 14 18 | 0 48 | 6 50 | 1 59 | 31 40 | 17 0 | 8 2 | 8 2 | 22 29 | | n.a. |
| S 18 | 22 11 | 13 48 | 1 7 | 24 44 | 1 48 | 22 56 | 0 40 | 22 11 | 0 48 | 23 11 | 1 16 | 3 16 | 2 19 | 14 18 | 0 48 | 6 50 | 1 59 | 31 39 | 17 0 | 8 3 | 8 4 | 22 27 | | n.a. |
| S 19 | 22 20 | 7 28 | 0n 7 | 24 59 | 1 49 | 23 9 | 0 42 | 22 19 | 0 48 | 23 12 | 1 16 | 3 18 | 2 20 | 14 17 | 0 48 | 6 50 | 1 59 | 31 38 | 16 59 | 8 3 | 8 5 | 22 25 | | n.a. |
| M20 | 22 28 | 0 54 | 1 18 | 25 12 | 1 50 | 23 22 | 0 44 | 22 27 | 0 49 | 23 13 | 1 16 | 3 20 | 2 20 | 14 17 | 0 47 | 6 49 | 1 59 | 31 37 | 16 59 | 8 3 | 8 6 | 22 22 | | n.a. |
| T 21 | 22 37 | 5n35 | 2 25 | 25 23 | 1 51 | 23 34 | 0 46 | 22 34 | 0 49 | 23 14 | 1 17 | 3 22 | 2 20 | 14 16 | 0 47 | 6 49 | 1 58 | 31 36 | 16 58 | 8 3 | 8 7 | 22 20 | | n.a. |
| W22 | 22 44 | 11 43 | 3 22 | 25 31 | 1 51 | 23 45 | 0 48 | 22 41 | 0 49 | 23 15 | 1 17 | 3 24 | 2 20 | 14 15 | 0 47 | 6 49 | 1 58 | 31 35 | 16 58 | 8 5 | 8 9 | 22 18 | | n.a. |
| T 23 | 22 52 | 17 14 | 4 7 | 25 36 | 1 50 | 23 56 | 0 50 | 22 48 | 0 50 | 23 16 | 1 17 | 3 26 | 2 20 | 14 15 | 0 47 | 6 49 | 1 58 | 31 34 | 16 57 | 8 8 | 8 10 | 22 15 | | n.a. |
| F 24 | 22 59 | 21 54 | 4 39 | 25 40 | 1 49 | 24 6 | 0 52 | 22 55 | 0 50 | 23 18 | 1 17 | 3 28 | 2 20 | 14 14 | 0 47 | 6 48 | 1 58 | 31 34 | 16 57 | 8 11 | 8 11 | 22 13 | | n.a. |
| S 25 | 23 6 | 25 29 | 4 57 | 25 41 | 1 47 | 24 15 | 0 54 | 23 1 | 0 51 | 23 19 | 1 18 | 3 30 | 2 21 | 14 13 | 0 47 | 6 48 | 1 58 | 31 33 | 16 56 | 8 16 | 8 12 | 22 10 | | n.a. |
| S 26 | 23 12 | 27 46 | 4 59 | 25 40 | 1 45 | 24 23 | 0 55 | 23 8 | 0 51 | 23 20 | 1 18 | 3 32 | 2 21 | 14 13 | 0 47 | 6 48 | 1 58 | 31 32 | 16 56 | 8 21 | 8 13 | 22 8 | | n.a. |
| M27 | 23 18 | 28 38 | 4 48 | 25 37 | 1 42 | 24 31 | 0 57 | 23 14 | 0 51 | 23 21 | 1 18 | 3 34 | 2 21 | 14 12 | 0 47 | 6 48 | 1 58 | 31 31 | 16 55 | 8 26 | 8 15 | 22 6 | | n.a. |
| T 28 | 23 23 | 28 5 | 4 23 | 25 32 | 1 39 | 24 38 | 0 59 | 23 20 | 0 52 | 23 22 | 1 19 | 3 35 | 2 21 | 14 11 | 0 47 | 6 47 | 1 58 | 31 30 | 16 55 | 8 31 | 8 16 | 22 3 | | n.a. |
| W29 | 23 28 | 26 13 | 3 47 | 25 26 | 1 35 | 24 44 | 1 1 | 23 26 | 0 52 | 23 23 | 1 19 | 3 37 | 2 21 | 14 11 | 0 47 | 6 47 | 1 58 | 31 29 | 16 54 | 8 35 | 8 17 | 22 1 | | n.a. |
| T 30 | 23n33 | 23n12 | 3n 2 | 25n17 | 1n31 | 24n49 | 1n 2 | 23n32 | 0n53 | 23s24 | 1s19 | 3n39 | 2s22 | 14n10 | 0n47 | 6s47 | 1n58 | 31n28 | 16n54 | 8s38 | 8s18 | 21n58 | | n.a. |

Julian Day Number = 999475.5, Delta T = 12h52m55s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'30, Lahiri = -31°12'29 Julian Calendar 1 June 1977 BCE == Greg. Calendar 15 May 1977 BCE


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## JULY 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 30 13 | 21♊ 2'52 | 13♌11 | 8♋ 1 | 25♊16 | 12♊28 | 21°R48 | 14♈33 | 25♌ 6 | 21°R38 | 18♌41 | 8°R13 | 9♓ 5 | 5♌49 | n.a. | F 1 |
| S 2 | 17 34 9 | 22° 0'34 | 24°58 | 9°41 | 26°31 | 13° 6 | 21♑42 | 14°37 | 25° 8 | 21♎37 | 18°42 | 8♓10 | 9° 2 | 5°56 | n.a. | S 2 |
| S 3 | 17 38 6 | 22°58'17 | 6♍49 | 11°20 | 27°45 | 13°45 | 21°36 | 14°42 | 25°10 | 21°37 | 18°44 | 8°D10 | 8°58 | 6° 2 | n.a. | S 3 |
| M 4 | 17 42 3 | 23°56'02 | 18°49 | 12°58 | 28°59 | 14°23 | 21°30 | 14°46 | 25°13 | 21°36 | 18°45 | 8°R10 | 8°55 | 6° 9 | n.a. | M 4 |
| T 5 | 17 45 59 | 24°53'48 | 1♎ 2 | 14°34 | 0♋14 | 15° 1 | 21°23 | 14°51 | 25°15 | 21°35 | 18°47 | 8°10 | 8°52 | 6°16 | n.a. | T 5 |
| W 6 | 17 49 56 | 25°51'35 | 13°36 | 16° 8 | 1°28 | 15°39 | 21°17 | 14°55 | 25°17 | 21°35 | 18°48 | 8° 8 | 8°49 | 6°22 | n.a. | W 6 |
| T 7 | 17 53 52 | 26°49'24 | 26°33 | 17°41 | 2°42 | 16°18 | 21°10 | 14°59 | 25°20 | 21°35 | 18°50 | 8° 5 | 8°46 | 6°29 | n.a. | T 7 |
| F 8 | 17 57 49 | 27°47'14 | 9♏57 | 19°13 | 3°57 | 16°56 | 21° 4 | 15° 3 | 25°22 | 21°34 | 18°52 | 7°59 | 8°42 | 6°36 | n.a. | F 8 |
| S 9 | 18 1 45 | 28°45'05 | 23°51 | 20°43 | 5°11 | 17°34 | 20°57 | 15° 7 | 25°25 | 21°34 | 18°53 | 7°51 | 8°39 | 6°42 | n.a. | S 9 |
| S 10 | 18 5 42 | 29°42'58 | 8♐11 | 22°12 | 6°26 | 18°12 | 20°50 | 15°11 | 25°27 | 21°33 | 18°55 | 7°42 | 8°36 | 6°49 | n.a. | S 10 |
| M11 | 18 9 38 | 0♋40'53 | 22°55 | 23°40 | 7°40 | 18°50 | 20°43 | 15°15 | 25°30 | 21°33 | 18°57 | 7°32 | 8°33 | 6°56 | n.a. | M11 |
| T 12 | 18 13 35 | 1°38'50 | 7♑53 | 25° 6 | 8°55 | 19°29 | 20°36 | 15°19 | 25°32 | 21°33 | 18°58 | 7°22 | 8°30 | 7° 2 | n.a. | T 12 |
| W13 | 18 17 32 | 2°36'49 | 22°57 | 26°30 | 10° 9 | 20° 7 | 20°29 | 15°22 | 25°35 | 21°32 | 19° 0 | 7°15 | 8°27 | 7° 9 | n.a. | W13 |
| T 14 | 18 21 28 | 3°34'49 | 7♒57 | 27°53 | 11°23 | 20°45 | 20°22 | 15°26 | 25°37 | 21°32 | 19° 2 | 7° 9 | 8°23 | 7°16 | n.a. | T 14 |
| F 15 | 18 25 25 | 4°32'51 | 22°45 | 29°14 | 12°38 | 21°23 | 20°14 | 15°29 | 25°40 | 21°32 | 19° 4 | 7° 6 | 8°20 | 7°22 | n.a. | F 15 |
| S 16 | 18 29 21 | 5°30'56 | 7♓15 | 0♌34 | 13°52 | 22° 1 | 20° 7 | 15°33 | 25°43 | 21°32 | 19° 6 | 7°D 6 | 8°17 | 7°29 | n.a. | S 16 |
| S 17 | 18 33 18 | 6°29'02 | 21°24 | 1°52 | 15° 7 | 22°39 | 20° 0 | 15°36 | 25°46 | 21°32 | 19° 7 | 7° 6 | 8°14 | 7°36 | n.a. | S 17 |
| M18 | 18 37 14 | 7°27'11 | 5♈12 | 3° 8 | 16°21 | 23°18 | 19°52 | 15°39 | 25°48 | 21°32 | 19° 9 | 7°R 7 | 8°11 | 7°42 | n.a. | M18 |
| T 19 | 18 41 11 | 8°25'22 | 18°40 | 4°23 | 17°36 | 23°56 | 19°44 | 15°42 | 25°51 | 21°32 | 19°11 | 7° 6 | 8° 8 | 7°49 | n.a. | T 19 |
| W20 | 18 45 7 | 9°23'35 | 1♉49 | 5°35 | 18°51 | 24°34 | 19°37 | 15°45 | 25°54 | 21°31 | 19°13 | 7° 4 | 8° 4 | 7°56 | n.a. | W20 |
| T 21 | 18 49 4 | 10°21'50 | 14°42 | 6°46 | 20° 5 | 25°12 | 19°29 | 15°48 | 25°57 | 21°D31 | 19°15 | 6°59 | 8° 1 | 8° 2 | n.a. | T 21 |
| F 22 | 18 53 1 | 11°20'08 | 27°22 | 7°55 | 21°20 | 25°50 | 19°21 | 15°51 | 26° 0 | 21°31 | 19°17 | 6°52 | 7°58 | 8° 9 | n.a. | F 22 |
| S 23 | 18 56 57 | 12°18'28 | 9♊49 | 9° 2 | 22°34 | 26°28 | 19°13 | 15°53 | 26° 3 | 21°32 | 19°19 | 6°43 | 7°55 | 8°16 | n.a. | S 23 |
| S 24 | 19 0 54 | 13°16'50 | 22° 6 | 10° 6 | 23°49 | 27° 7 | 19° 5 | 15°56 | 26° 6 | 21°32 | 19°21 | 6°33 | 7°52 | 8°22 | n.a. | S 24 |
| M25 | 19 4 50 | 14°15'14 | 4♋14 | 11° 8 | 25° 4 | 27°45 | 18°57 | 15°58 | 26° 9 | 21°32 | 19°23 | 6°23 | 7°49 | 8°29 | n.a. | M25 |
| T 26 | 19 8 47 | 15°13'40 | 16°15 | 12° 8 | 26°18 | 28°23 | 18°50 | 16° 1 | 26°12 | 21°32 | 19°25 | 6°14 | 7°45 | 8°36 | n.a. | T 26 |
| W27 | 19 12 43 | 16°12'08 | 28° 9 | 13° 5 | 27°33 | 29° 1 | 18°42 | 16° 3 | 26°15 | 21°32 | 19°27 | 6° 6 | 7°42 | 8°42 | n.a. | W27 |
| T 28 | 19 16 40 | 17°10'39 | 9♌58 | 13°59 | 28°47 | 29°39 | 18°34 | 16° 5 | 26°18 | 21°32 | 19°29 | 6° 1 | 7°39 | 8°49 | n.a. | T 28 |
| F 29 | 19 20 36 | 18° 9'11 | 21°44 | 14°50 | 0♌ 2 | 0♋17 | 18°26 | 16° 7 | 26°21 | 21°33 | 19°31 | 5°57 | 7°36 | 8°56 | n.a. | F 29 |
| S 30 | 19 24 33 | 19° 7'45 | 3♍32 | 15°38 | 1°17 | 0°55 | 18°18 | 16° 9 | 26°25 | 21°33 | 19°33 | 5°D56 | 7°33 | 9° 2 | n.a. | S 30 |
| S 31 | 19 28 30 | 20♋ 6'21 | 15♍23 | 16♌23 | 2♌31 | 1♋34 | 18♑10 | 16♈11 | 26♌28 | 21♎33 | 19♌36 | 5♓57 | 7♓29 | 9♌ 9 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n37 | 19n15 | 2n 8 | 25n 7 | 1n26 | 24n54 | 1n 4 | 23n38 | 0n53 | 23s26 | 1s19 | 3n40 | 2s22 | 14n 9 | 0n47 | 6s47 | 1n58 | 31n27 | 16n53 | 8s39 | 8s20 | 21n56 | | n.a. |
| S 2 | 23 41 | 14 33 | 1 9 | 24 55 | 1 22 | 24 58 | 1 5 | 23 43 | 0 54 | 23 27 | 1 20 | 3 42 | 2 22 | 14 8 | 0 47 | 6 47 | 1 58 | 31 26 | 16 53 | 8 40 | 8 21 | 21 54 | | n.a. |
| S 3 | 23 44 | 9 18 | 0 7 | 24 42 | 1 16 | 25 1 | 1 7 | 23 48 | 0 54 | 23 28 | 1 20 | 3 44 | 2 22 | 14 8 | 0 47 | 6 46 | 1 58 | 31 25 | 16 53 | 8 41 | 8 22 | 21 51 | | n.a. |
| M 4 | 23 47 | 3 39 | 0s56 | 24 27 | 1 11 | 25 4 | 1 8 | 23 53 | 0 54 | 23 29 | 1 20 | 3 45 | 2 22 | 14 7 | 0 47 | 6 46 | 1 58 | 31 24 | 16 52 | 8 41 | 8 23 | 21 49 | | n.a. |
| T 5 | 23 49 | 2s14 | 1 58 | 24 11 | 1 5 | 25 5 | 1 10 | 23 58 | 0 55 | 23 31 | 1 21 | 3 47 | 2 23 | 14 6 | 0 47 | 6 46 | 1 58 | 31 24 | 16 52 | 8 41 | 8 24 | 21 46 | | n.a. |
| W 6 | 23 51 | 8 10 | 2 57 | 23 54 | 0 59 | 25 6 | 1 11 | 24 3 | 0 55 | 23 32 | 1 21 | 3 48 | 2 23 | 14 5 | 0 47 | 6 46 | 1 58 | 31 23 | 16 51 | 8 41 | 8 26 | 21 44 | | n.a. |
| T 7 | 23 53 | 13 58 | 3 47 | 23 35 | 0 52 | 25 6 | 1 13 | 24 7 | 0 55 | 23 33 | 1 21 | 3 50 | 2 23 | 14 4 | 0 47 | 6 46 | 1 57 | 31 22 | 16 51 | 8 42 | 8 27 | 21 41 | | n.a. |
| F 8 | 23 54 | 19 19 | 4 28 | 23 16 | 0 45 | 25 6 | 1 14 | 24 12 | 0 56 | 23 34 | 1 21 | 3 51 | 2 23 | 14 3 | 0 47 | 6 46 | 1 57 | 31 21 | 16 50 | 8 45 | 8 28 | 21 39 | | n.a. |
| S 9 | 23 55 | 23 51 | 4 54 | 22 55 | 0 38 | 25 4 | 1 15 | 24 16 | 0 56 | 23 36 | 1 22 | 3 52 | 2 23 | 14 2 | 0 47 | 6 46 | 1 57 | 31 20 | 16 50 | 8 48 | 8 29 | 21 37 | | n.a. |
| S 10 | 23 55 | 27 6 | 5 3 | 22 33 | 0 31 | 25 2 | 1 16 | 24 20 | 0 57 | 23 37 | 1 22 | 3 54 | 2 24 | 14 2 | 0 47 | 6 46 | 1 57 | 31 19 | 16 50 | 8 51 | 8 30 | 21 34 | | n.a. |
| M11 | 23 55 | 28 35 | 4 52 | 22 11 | 0 23 | 24 59 | 1 17 | 24 23 | 0 57 | 23 38 | 1 22 | 3 55 | 2 24 | 14 1 | 0 47 | 6 46 | 1 57 | 31 18 | 16 49 | 8 55 | 8 32 | 21 32 | | n.a. |
| T 12 | 23 55 | 28 2 | 4 21 | 21 48 | 0 15 | 24 55 | 1 18 | 24 27 | 0 57 | 23 40 | 1 22 | 3 56 | 2 24 | 14 0 | 0 47 | 6 46 | 1 57 | 31 17 | 16 49 | 8 59 | 8 33 | 21 29 | | n.a. |
| W13 | 23 54 | 25 25 | 3 32 | 21 24 | 0 7 | 24 51 | 1 19 | 24 30 | 0 58 | 23 41 | 1 22 | 3 58 | 2 24 | 13 59 | 0 47 | 6 46 | 1 57 | 31 16 | 16 49 | 9 2 | 8 34 | 21 27 | | n.a. |
| T 14 | 23 52 | 21 3 | 2 29 | 20 59 | 0s 1 | 24 45 | 1 20 | 24 34 | 0 58 | 23 42 | 1 23 | 3 59 | 2 25 | 13 58 | 0 47 | 6 45 | 1 57 | 31 15 | 16 48 | 9 4 | 8 35 | 21 24 | | n.a. |
| F 15 | 23 51 | 15 24 | 1 16 | 20 34 | 0 9 | 24 39 | 1 21 | 24 37 | 0 59 | 23 44 | 1 23 | 4 0 | 2 25 | 13 57 | 0 47 | 6 45 | 1 57 | 31 14 | 16 48 | 9 5 | 8 37 | 21 22 | | n.a. |
| S 16 | 23 48 | 9 1 | 0n 1 | 20 9 | 0 18 | 24 32 | 1 22 | 24 39 | 0 59 | 23 45 | 1 23 | 4 1 | 2 25 | 13 56 | 0 47 | 6 45 | 1 57 | 31 13 | 16 47 | 9 5 | 8 38 | 21 19 | | n.a. |
| S 17 | 23 46 | 2 19 | 1 16 | 19 43 | 0 27 | 24 25 | 1 22 | 24 42 | 0 59 | 23 46 | 1 23 | 4 2 | 2 25 | 13 55 | 0 46 | 6 45 | 1 57 | 31 12 | 16 47 | 9 5 | 8 39 | 21 17 | | n.a. |
| M18 | 23 43 | 4n19 | 2 24 | 19 16 | 0 36 | 24 16 | 1 23 | 24 45 | 1 0 | 23 48 | 1 23 | 4 3 | 2 25 | 13 54 | 0 46 | 6 45 | 1 57 | 31 11 | 16 47 | 9 5 | 8 40 | 21 14 | | n.a. |
| T 19 | 23 39 | 10 35 | 3 23 | 18 50 | 0 45 | 24 7 | 1 24 | 24 47 | 1 0 | 23 49 | 1 24 | 4 4 | 2 26 | 13 53 | 0 46 | 6 46 | 1 57 | 31 10 | 16 46 | 9 5 | 8 41 | 21 12 | | n.a. |
| W20 | 23 35 | 16 14 | 4 10 | 18 23 | 0 54 | 23 58 | 1 24 | 24 49 | 1 0 | 23 50 | 1 24 | 4 5 | 2 26 | 13 52 | 0 46 | 6 46 | 1 57 | 31 9 | 16 46 | 9 6 | 8 43 | 21 9 | | n.a. |
| T 21 | 23 31 | 21 4 | 4 43 | 17 56 | 1 3 | 23 47 | 1 25 | 24 51 | 1 1 | 23 52 | 1 24 | 4 6 | 2 26 | 13 51 | 0 46 | 6 46 | 1 57 | 31 8 | 16 46 | 9 7 | 8 44 | 21 7 | | n.a. |
| F 22 | 23 26 | 24 51 | 5 1 | 17 30 | 1 12 | 23 36 | 1 25 | 24 52 | 1 1 | 23 53 | 1 24 | 4 7 | 2 26 | 13 50 | 0 46 | 6 46 | 1 56 | 31 7 | 16 45 | 9 10 | 8 45 | 21 4 | | n.a. |
| S 23 | 23 20 | 27 24 | 5 5 | 17 3 | 1 22 | 23 24 | 1 26 | 24 54 | 1 1 | 23 54 | 1 24 | 4 8 | 2 27 | 13 49 | 0 46 | 6 46 | 1 56 | 31 6 | 16 45 | 9 13 | 8 46 | 21 2 | | n.a. |
| S 24 | 23 15 | 28 35 | 4 54 | 16 36 | 1 31 | 23 11 | 1 26 | 24 55 | 1 2 | 23 56 | 1 24 | 4 8 | 2 27 | 13 48 | 0 46 | 6 46 | 1 56 | 31 5 | 16 45 | 9 17 | 8 47 | 20 59 | | n.a. |
| M25 | 23 9 | 28 22 | 4 31 | 16 10 | 1 41 | 22 58 | 1 26 | 24 56 | 1 2 | 23 57 | 1 25 | 4 9 | 2 27 | 13 47 | 0 46 | 6 46 | 1 56 | 31 4 | 16 45 | 9 21 | 8 49 | 20 56 | | n.a. |
| T 26 | 23 2 | 26 48 | 3 55 | 15 44 | 1 50 | 22 44 | 1 26 | 24 57 | 1 3 | 23 58 | 1 25 | 4 10 | 2 27 | 13 46 | 0 46 | 6 46 | 1 56 | 31 3 | 16 44 | 9 24 | 8 50 | 20 54 | | n.a. |
| W27 | 22 55 | 24 2 | 3 9 | 15 19 | 2 0 | 22 29 | 1 26 | 24 58 | 1 3 | 23 59 | 1 25 | 4 11 | 2 27 | 13 44 | 0 46 | 6 46 | 1 56 | 31 2 | 16 44 | 9 27 | 8 51 | 20 51 | | n.a. |
| T 28 | 22 48 | 20 17 | 2 16 | 14 54 | 2 9 | 22 13 | 1 26 | 24 59 | 1 3 | 24 1 | 1 25 | 4 11 | 2 28 | 13 43 | 0 46 | 6 46 | 1 56 | 31 1 | 16 44 | 9 29 | 8 52 | 20 49 | | n.a. |
| F 29 | 22 40 | 15 44 | 1 16 | 14 30 | 2 19 | 21 57 | 1 26 | 24 59 | 1 4 | 24 2 | 1 25 | 4 12 | 2 28 | 13 42 | 0 46 | 6 47 | 1 56 | 31 0 | 16 43 | 9 31 | 8 53 | 20 46 | | n.a. |
| S 30 | 22 32 | 10 37 | 0 13 | 14 7 | 2 28 | 21 41 | 1 26 | 24 59 | 1 4 | 24 3 | 1 25 | 4 12 | 2 28 | 13 41 | 0 46 | 6 47 | 1 56 | 30 59 | 16 43 | 9 31 | 8 55 | 20 44 | | n.a. |
| S 31 | 22n23 | 5n 6 | 0s51 | 13n45 | 2s37 | 21n23 | 1n26 | 24n59 | 1n 4 | 24s 4 | 1s25 | 4n13 | 2s28 | 13n40 | 0n46 | 6s47 | 1n56 | 30n59 | 16n43 | 9s31 | 8s56 | 20n41 | | n.a. |

Julian Day Number = 999505.5, Delta T = 12h52m53s
Ecliptic obliquity = 23°55'26, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'25, Lahiri = -31°12'25 Julian Calendar 1 July 1977 BCE == Greg. Calendar 14 June 1977 BCE

The year -1976 astronomical counting style corresponds to year 1977 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## AUGUST 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 32 26 | 21♋ 4'59 | 27♍23 | 17♌ 4 | 3♌46 | 2♋12 | 18°R 2 | 16♈13 | 26♌31 | 21♎34 | 19♌38 | 5♓58 | 7♓26 | 9♌16 | n.a. | M 1 |
| T 2 | 19 36 23 | 22° 3'38 | 9♎35 | 17°40 | 5° 1 | 2°50 | 17♑54 | 16°14 | 26°34 | 21°34 | 19°40 | 5°59 | 7°23 | 9°22 | n.a. | T 2 |
| W 3 | 19 40 19 | 23° 2'20 | 22° 5 | 18°13 | 6°15 | 3°28 | 17°46 | 16°16 | 26°38 | 21°34 | 19°42 | 6°R 0 | 7°20 | 9°29 | n.a. | W 3 |
| T 4 | 19 44 16 | 24° 1'03 | 4♏58 | 18°41 | 7°30 | 4° 6 | 17°38 | 16°17 | 26°41 | 21°35 | 19°44 | 5°59 | 7°17 | 9°36 | n.a. | T 4 |
| F 5 | 19 48 12 | 24°59'49 | 18°18 | 19° 3 | 8°45 | 4°44 | 17°30 | 16°18 | 26°44 | 21°35 | 19°46 | 5°57 | 7°14 | 9°42 | n.a. | F 5 |
| S 6 | 19 52 9 | 25°58'36 | 2♐ 6 | 19°21 | 9°59 | 5°22 | 17°22 | 16°19 | 26°48 | 21°36 | 19°49 | 5°53 | 7°10 | 9°49 | n.a. | S 6 |
| S 7 | 19 56 5 | 26°57'25 | 16°23 | 19°33 | 11°14 | 6° 0 | 17°15 | 16°20 | 26°51 | 21°36 | 19°51 | 5°48 | 7° 7 | 9°56 | n.a. | S 7 |
| M 8 | 20 0 2 | 27°56'17 | 1♑ 6 | 19°R38 | 12°29 | 6°39 | 17° 7 | 16°21 | 26°55 | 21°37 | 19°53 | 5°42 | 7° 4 | 10° 2 | n.a. | M 8 |
| T 9 | 20 3 58 | 28°55'10 | 16° 9 | 19°37 | 13°43 | 7°17 | 16°59 | 16°22 | 26°58 | 21°38 | 19°55 | 5°37 | 7° 1 | 10° 9 | n.a. | T 9 |
| W10 | 20 7 55 | 29°54'06 | 1♒22 | 19°30 | 14°58 | 7°55 | 16°52 | 16°23 | 27° 1 | 21°38 | 19°57 | 5°32 | 6°58 | 10°16 | n.a. | W10 |
| T 11 | 20 11 52 | 0♌53'03 | 16°36 | 19°15 | 16°13 | 8°33 | 16°44 | 16°24 | 27° 5 | 21°39 | 20° 0 | 5°29 | 6°55 | 10°22 | n.a. | T 11 |
| F 12 | 20 15 48 | 1°52'03 | 1♓41 | 18°53 | 17°27 | 9°11 | 16°37 | 16°24 | 27° 8 | 21°40 | 20° 2 | 5°D28 | 6°51 | 10°29 | n.a. | F 12 |
| S 13 | 20 19 45 | 2°51'05 | 16°28 | 18°23 | 18°42 | 9°49 | 16°29 | 16°24 | 27°12 | 21°40 | 20° 4 | 5°28 | 6°48 | 10°36 | n.a. | S 13 |
| S 14 | 20 23 41 | 3°50'10 | 0♈52 | 17°46 | 19°57 | 10°27 | 16°22 | 16°25 | 27°16 | 21°41 | 20° 7 | 5°30 | 6°45 | 10°42 | n.a. | S 14 |
| M15 | 20 27 38 | 4°49'17 | 14°51 | 17° 2 | 21°11 | 11° 5 | 16°15 | 16°25 | 27°19 | 21°42 | 20° 9 | 5°31 | 6°42 | 10°49 | n.a. | M15 |
| T 16 | 20 31 34 | 5°48'26 | 28°24 | 16°11 | 22°26 | 11°44 | 16° 8 | 16°R25 | 27°23 | 21°43 | 20°11 | 5°32 | 6°39 | 10°56 | n.a. | T 16 |
| W17 | 20 35 31 | 6°47'38 | 11♉34 | 15°14 | 23°41 | 12°22 | 16° 1 | 16°25 | 27°26 | 21°44 | 20°14 | 5°R32 | 6°35 | 11° 2 | n.a. | W17 |
| T 18 | 20 39 27 | 7°46'53 | 24°23 | 14°11 | 24°56 | 13° 0 | 15°54 | 16°25 | 27°30 | 21°45 | 20°16 | 5°31 | 6°32 | 11° 9 | n.a. | T 18 |
| F 19 | 20 43 24 | 8°46'10 | 6♊54 | 13° 5 | 26°10 | 13°38 | 15°47 | 16°24 | 27°34 | 21°45 | 20°18 | 5°29 | 6°29 | 11°16 | n.a. | F 19 |
| S 20 | 20 47 20 | 9°45'30 | 19°11 | 11°56 | 27°25 | 14°16 | 15°41 | 16°24 | 27°37 | 21°46 | 20°21 | 5°25 | 6°26 | 11°22 | n.a. | S 20 |
| S 21 | 20 51 17 | 10°44'52 | 1♋18 | 10°46 | 28°40 | 14°54 | 15°34 | 16°23 | 27°41 | 21°47 | 20°23 | 5°21 | 6°23 | 11°29 | n.a. | S 21 |
| M22 | 20 55 14 | 11°44'17 | 13°16 | 9°37 | 29°54 | 15°32 | 15°28 | 16°23 | 27°45 | 21°48 | 20°25 | 5°17 | 6°20 | 11°36 | n.a. | M22 |
| T 23 | 20 59 10 | 12°43'44 | 25° 9 | 8°31 | 1♍ 9 | 16°11 | 15°21 | 16°22 | 27°48 | 21°50 | 20°28 | 5°13 | 6°16 | 11°42 | n.a. | T 23 |
| W24 | 21 3 7 | 13°43'13 | 6♌58 | 7°30 | 2°24 | 16°49 | 15°15 | 16°21 | 27°52 | 21°51 | 20°30 | 5°10 | 6°13 | 11°49 | n.a. | W24 |
| T 25 | 21 7 3 | 14°42'44 | 18°46 | 6°36 | 3°38 | 17°27 | 15° 9 | 16°20 | 27°56 | 21°52 | 20°32 | 5° 8 | 6°10 | 11°55 | n.a. | T 25 |
| F 26 | 21 11 0 | 15°42'17 | 0♍34 | 5°49 | 4°53 | 18° 5 | 15° 3 | 16°19 | 27°59 | 21°53 | 20°35 | 5°D 7 | 6° 7 | 12° 2 | n.a. | F 26 |
| S 27 | 21 14 56 | 16°41'53 | 12°26 | 5°12 | 6° 8 | 18°43 | 14°58 | 16°18 | 28° 3 | 21°54 | 20°37 | 5° 7 | 6° 4 | 12° 9 | n.a. | S 27 |
| S 28 | 21 18 53 | 17°41'31 | 24°22 | 4°44 | 7°22 | 19°21 | 14°52 | 16°16 | 28° 7 | 21°55 | 20°39 | 5° 8 | 6° 0 | 12°15 | n.a. | S 28 |
| M29 | 21 22 49 | 18°41'10 | 6♎27 | 4°28 | 8°37 | 20° 0 | 14°47 | 16°15 | 28°11 | 21°56 | 20°42 | 5°10 | 5°57 | 12°22 | n.a. | M29 |
| T 30 | 21 26 46 | 19°40'52 | 18°44 | 4°D22 | 9°52 | 20°38 | 14°42 | 16°14 | 28°14 | 21°58 | 20°44 | 5°11 | 5°54 | 12°29 | n.a. | T 30 |
| W31 | 21 30 42 | 20♌40'36 | 1♏16 | 4♌28 | 11♍ 6 | 21♋16 | 14♑36 | 16♈12 | 28♌18 | 21♎59 | 20♌47 | 5♓12 | 5♓51 | 12♌35 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| M 1 | 22n14 | 0s40 | 1s54 | 13n24 | 2s46 | 21n 5 | 1n26 | 24n59 | 1n 5 | 24s 6 | 1s25 | 4n13 | 2s29 | 13n39 | 0n46 | 6s47 | 1n56 | 30n58 | 16n43 | 9s30 | 8s57 | 20n39 | | | n.a. |
| T 2 | 22 5 | 6 30 | 2 52 | 13 5 | 2 55 | 20 47 | 1 25 | 24 59 | 1 5 | 24 7 | 1 25 | 4 14 | 2 29 | 13 38 | 0 46 | 6 47 | 1 56 | 30 57 | 16 42 | 9 30 | 8 58 | 20 36 | | | n.a. |
| W 3 | 21 55 | 12 14 | 3 44 | 12 47 | 3 3 | 20 27 | 1 25 | 24 58 | 1 5 | 24 8 | 1 26 | 4 14 | 2 29 | 13 36 | 0 46 | 6 48 | 1 56 | 30 56 | 16 42 | 9 30 | 8 59 | 20 33 | | | n.a. |
| T 4 | 21 44 | 17 37 | 4 27 | 12 30 | 3 11 | 20 8 | 1 25 | 24 57 | 1 6 | 24 9 | 1 26 | 4 14 | 2 29 | 13 35 | 0 46 | 6 48 | 1 56 | 30 55 | 16 42 | 9 30 | 9 1 | 20 31 | | | n.a. |
| F 5 | 21 34 | 22 21 | 4 56 | 12 16 | 3 19 | 19 47 | 1 24 | 24 56 | 1 6 | 24 10 | 1 26 | 4 14 | 2 30 | 13 34 | 0 46 | 6 48 | 1 55 | 30 54 | 16 42 | 9 31 | 9 2 | 20 28 | | | n.a. |
| S 6 | 21 23 | 26 3 | 5 10 | 12 4 | 3 26 | 19 26 | 1 23 | 24 55 | 1 6 | 24 11 | 1 26 | 4 15 | 2 30 | 13 33 | 0 46 | 6 48 | 1 55 | 30 53 | 16 42 | 9 32 | 9 3 | 20 26 | | | n.a. |
| S 7 | 21 11 | 28 16 | 5 5 | 11 54 | 3 32 | 19 5 | 1 23 | 24 54 | 1 7 | 24 12 | 1 26 | 4 15 | 2 30 | 13 32 | 0 46 | 6 49 | 1 55 | 30 52 | 16 41 | 9 34 | 9 4 | 20 23 | | | n.a. |
| M 8 | 21 0 | 28 36 | 4 41 | 11 47 | 3 38 | 18 43 | 1 22 | 24 52 | 1 7 | 24 13 | 1 26 | 4 15 | 2 30 | 13 31 | 0 46 | 6 49 | 1 55 | 30 51 | 16 41 | 9 36 | 9 5 | 20 20 | | | n.a. |
| T 9 | 20 47 | 26 50 | 3 57 | 11 42 | 3 43 | 18 20 | 1 21 | 24 50 | 1 7 | 24 14 | 1 26 | 4 15 | 2 31 | 13 29 | 0 46 | 6 49 | 1 55 | 30 50 | 16 41 | 9 38 | 9 7 | 20 18 | | | n.a. |
| W10 | 20 35 | 23 6 | 2 55 | 11 41 | 3 47 | 17 57 | 1 21 | 24 48 | 1 8 | 24 15 | 1 26 | 4 15 | 2 31 | 13 28 | 0 46 | 6 50 | 1 55 | 30 49 | 16 41 | 9 40 | 9 8 | 20 15 | | | n.a. |
| T 11 | 20 22 | 17 47 | 1 41 | 11 43 | 3 50 | 17 34 | 1 20 | 24 46 | 1 8 | 24 16 | 1 26 | 4 15 | 2 31 | 13 27 | 0 46 | 6 50 | 1 55 | 30 48 | 16 41 | 9 41 | 9 9 | 20 13 | | | n.a. |
| F 12 | 20 9 | 11 25 | 0 21 | 11 48 | 3 52 | 17 10 | 1 19 | 24 44 | 1 8 | 24 17 | 1 26 | 4 15 | 2 31 | 13 26 | 0 46 | 6 50 | 1 55 | 30 47 | 16 41 | 9 42 | 9 10 | 20 10 | | | n.a. |
| S 13 | 19 55 | 4 32 | 1n 0 | 11 57 | 3 52 | 16 45 | 1 18 | 24 42 | 1 9 | 24 18 | 1 26 | 4 15 | 2 32 | 13 24 | 0 46 | 6 51 | 1 55 | 30 46 | 16 40 | 9 41 | 9 11 | 20 7 | | | n.a. |
| S 14 | 19 41 | 2n24 | 2 15 | 12 10 | 3 50 | 16 20 | 1 17 | 24 39 | 1 9 | 24 19 | 1 26 | 4 15 | 2 32 | 13 23 | 0 46 | 6 51 | 1 55 | 30 45 | 16 40 | 9 41 | 9 13 | 20 5 | | | n.a. |
| M15 | 19 27 | 9 1 | 3 19 | 12 27 | 3 47 | 15 55 | 1 15 | 24 36 | 1 9 | 24 20 | 1 26 | 4 15 | 2 32 | 13 22 | 0 46 | 6 51 | 1 55 | 30 44 | 16 40 | 9 40 | 9 14 | 20 2 | | | n.a. |
| T 16 | 19 12 | 15 0 | 4 10 | 12 47 | 3 42 | 15 29 | 1 14 | 24 33 | 1 10 | 24 21 | 1 26 | 4 15 | 2 32 | 13 21 | 0 46 | 6 52 | 1 55 | 30 43 | 16 40 | 9 40 | 9 15 | 19 59 | | | n.a. |
| W17 | 18 57 | 20 8 | 4 47 | 13 10 | 3 35 | 15 2 | 1 13 | 24 30 | 1 10 | 24 22 | 1 26 | 4 14 | 2 33 | 13 19 | 0 46 | 6 52 | 1 55 | 30 43 | 16 40 | 9 40 | 9 16 | 19 57 | | | n.a. |
| T 18 | 18 42 | 24 13 | 5 8 | 13 37 | 3 26 | 14 36 | 1 12 | 24 26 | 1 10 | 24 23 | 1 26 | 4 14 | 2 33 | 13 18 | 0 46 | 6 52 | 1 55 | 30 42 | 16 40 | 9 40 | 9 17 | 19 54 | | | n.a. |
| F 19 | 18 26 | 27 3 | 5 14 | 14 7 | 3 15 | 14 9 | 1 10 | 24 23 | 1 11 | 24 24 | 1 26 | 4 14 | 2 33 | 13 17 | 0 46 | 6 53 | 1 55 | 30 41 | 16 40 | 9 41 | 9 19 | 19 51 | | | n.a. |
| S 20 | 18 10 | 28 32 | 5 5 | 14 39 | 3 2 | 13 41 | 1 9 | 24 19 | 1 11 | 24 24 | 1 26 | 4 13 | 2 33 | 13 15 | 0 46 | 6 53 | 1 54 | 30 40 | 16 40 | 9 43 | 9 20 | 19 49 | | | n.a. |
| S 21 | 17 53 | 28 37 | 4 42 | 15 13 | 2 47 | 13 13 | 1 7 | 24 15 | 1 11 | 24 25 | 1 26 | 4 13 | 2 33 | 13 14 | 0 46 | 6 54 | 1 54 | 30 39 | 16 40 | 9 44 | 9 21 | 19 46 | | | n.a. |
| M22 | 17 37 | 27 21 | 4 8 | 15 48 | 2 30 | 12 45 | 1 6 | 24 11 | 1 12 | 24 26 | 1 26 | 4 13 | 2 34 | 13 13 | 0 46 | 6 54 | 1 54 | 30 38 | 16 39 | 9 46 | 9 22 | 19 43 | | | n.a. |
| T 23 | 17 20 | 24 51 | 3 23 | 16 23 | 2 12 | 12 17 | 1 4 | 24 7 | 1 12 | 24 27 | 1 26 | 4 12 | 2 34 | 13 11 | 0 46 | 6 55 | 1 54 | 30 37 | 16 39 | 9 47 | 9 23 | 19 41 | | | n.a. |
| W24 | 17 3 | 21 18 | 2 29 | 16 57 | 1 53 | 11 48 | 1 2 | 24 2 | 1 12 | 24 27 | 1 26 | 4 11 | 2 34 | 13 10 | 0 46 | 6 55 | 1 54 | 30 36 | 16 39 | 9 48 | 9 25 | 19 38 | | | n.a. |
| T 25 | 16 45 | 16 55 | 1 29 | 17 30 | 1 33 | 11 19 | 1 1 | 23 57 | 1 12 | 24 28 | 1 26 | 4 11 | 2 34 | 13 9 | 0 46 | 6 56 | 1 54 | 30 35 | 16 39 | 9 49 | 9 26 | 19 35 | | | n.a. |
| F 26 | 16 27 | 11 53 | 0 25 | 18 1 | 1 13 | 10 49 | 0 59 | 23 53 | 1 13 | 24 28 | 1 26 | 4 10 | 2 35 | 13 7 | 0 46 | 6 56 | 1 54 | 30 35 | 16 39 | 9 49 | 9 27 | 19 33 | | | n.a. |
| S 27 | 16 9 | 6 25 | 0s40 | 18 30 | 0 53 | 10 20 | 0 57 | 23 48 | 1 13 | 24 29 | 1 26 | 4 10 | 2 35 | 13 6 | 0 46 | 6 57 | 1 54 | 30 34 | 16 39 | 9 49 | 9 28 | 19 30 | | | n.a. |
| S 28 | 15 50 | 0 41 | 1 45 | 18 55 | 0 34 | 9 49 | 0 55 | 23 42 | 1 13 | 24 30 | 1 26 | 4 9 | 2 35 | 13 5 | 0 46 | 6 57 | 1 54 | 30 33 | 16 39 | 9 49 | 9 29 | 19 27 | | | n.a. |
| M29 | 15 32 | 5s 8 | 2 45 | 19 18 | 0 15 | 9 19 | 0 53 | 23 37 | 1 14 | 24 30 | 1 26 | 4 8 | 2 35 | 13 4 | 0 46 | 6 58 | 1 54 | 30 32 | 16 39 | 9 49 | 9 31 | 19 25 | | | n.a. |
| T 30 | 15 13 | 10 51 | 3 39 | 19 36 | 0n 3 | 8 49 | 0 51 | 23 31 | 1 14 | 24 31 | 1 25 | 4 7 | 2 35 | 13 2 | 0 46 | 6 58 | 1 54 | 30 31 | 16 39 | 9 48 | 9 32 | 19 22 | | | n.a. |
| W31 | 14n53 | 16s15 | 4s23 | 19n51 | 0n20 | 8n18 | 0n49 | 23n26 | 1n14 | 24s31 | 1s25 | 4n 6 | 2s36 | 13n 1 | 0n46 | 6s59 | 1n54 | 30n30 | 16n39 | 9s48 | 9s33 | 19n19 | | | n.a. |

Julian Day Number = 999536.5, Delta T = 12h52m51s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'21, Lahiri = -31°12'21 Julian Calendar 1 Aug. 1977 BCE == Greg. Calendar 15 July 1977 BCE


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## SEPTEMBER 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 34 39 | 21♌40'21 | 14♏ 7 | 4♌44 | 12♍21 | 21♋54 | 14°R32 | 16°R10 | 28♌22 | 22♎ 0 | 20♌49 | 5♓13 | 5♓48 | 12♌42 | n.a. | T 1 |
| F 2 | 21 38 36 | 22°40'09 | 27°20 | 5°10 | 13°36 | 22°32 | 14♑27 | 16♈ 8 | 28°26 | 22° 2 | 20°51 | 5°R13 | 5°45 | 12°49 | n.a. | F 2 |
| S 3 | 21 42 32 | 23°39'58 | 10♐58 | 5°46 | 14°50 | 23°10 | 14°22 | 16° 6 | 28°29 | 22° 3 | 20°54 | 5°12 | 5°41 | 12°55 | n.a. | S 3 |
| S 4 | 21 46 29 | 24°39'49 | 25° 2 | 6°31 | 16° 5 | 23°48 | 14°18 | 16° 4 | 28°33 | 22° 4 | 20°56 | 5°12 | 5°38 | 13° 2 | n.a. | S 4 |
| M 5 | 21 50 25 | 25°39'43 | 9♑31 | 7°24 | 17°19 | 24°27 | 14°14 | 16° 2 | 28°37 | 22° 6 | 20°59 | 5°10 | 5°35 | 13° 9 | n.a. | M 5 |
| T 6 | 21 54 22 | 26°39'38 | 24°21 | 8°24 | 18°34 | 25° 5 | 14°10 | 16° 0 | 28°41 | 22° 7 | 21° 1 | 5° 9 | 5°32 | 13°15 | n.a. | T 6 |
| W 7 | 21 58 18 | 27°39'35 | 9♒27 | 9°30 | 19°48 | 25°43 | 14° 6 | 15°57 | 28°45 | 22° 9 | 21° 3 | 5° 8 | 5°29 | 13°22 | n.a. | W 7 |
| T 8 | 22 2 15 | 28°39'33 | 24°39 | 10°43 | 21° 3 | 26°21 | 14° 2 | 15°55 | 28°48 | 22°10 | 21° 6 | 5° 8 | 5°26 | 13°29 | n.a. | T 8 |
| F 9 | 22 6 11 | 29°39'34 | 9♓47 | 11°59 | 22°18 | 26°59 | 13°59 | 15°52 | 28°52 | 22°12 | 21° 8 | 5°D 8 | 5°22 | 13°35 | n.a. | F 9 |
| S 10 | 22 10 8 | 0♍39'37 | 24°43 | 13°21 | 23°32 | 27°37 | 13°56 | 15°50 | 28°56 | 22°13 | 21°10 | 5° 8 | 5°19 | 13°42 | n.a. | S 10 |
| S 11 | 22 14 5 | 1°39'42 | 9♈20 | 14°45 | 24°47 | 28°15 | 13°53 | 15°47 | 29° 0 | 22°15 | 21°13 | 5° 9 | 5°16 | 13°49 | n.a. | S 11 |
| M12 | 22 18 1 | 2°39'50 | 23°31 | 16°13 | 26° 1 | 28°54 | 13°50 | 15°44 | 29° 4 | 22°17 | 21°15 | 5° 9 | 5°13 | 13°55 | n.a. | M12 |
| T 13 | 22 21 58 | 3°39'59 | 7♉15 | 17°43 | 27°16 | 29°32 | 13°47 | 15°41 | 29° 7 | 22°18 | 21°17 | 5° 9 | 5°10 | 14° 2 | n.a. | T 13 |
| W14 | 22 25 54 | 4°40'11 | 20°32 | 19°15 | 28°30 | 0♌10 | 13°44 | 15°38 | 29°11 | 22°20 | 21°20 | 5° 9 | 5° 6 | 14° 9 | n.a. | W14 |
| T 15 | 22 29 51 | 5°40'26 | 3♊25 | 20°49 | 29°45 | 0°48 | 13°42 | 15°35 | 29°15 | 22°22 | 21°22 | 5° 9 | 5° 3 | 14°15 | n.a. | T 15 |
| F 16 | 22 33 47 | 6°40'42 | 15°56 | 22°24 | 0♎59 | 1°26 | 13°40 | 15°32 | 29°19 | 22°23 | 21°24 | 5° 9 | 5° 0 | 14°22 | n.a. | F 16 |
| S 17 | 22 37 44 | 7°41'01 | 28°10 | 24° 0 | 2°14 | 2° 4 | 13°38 | 15°28 | 29°23 | 22°25 | 21°27 | 5° 9 | 4°57 | 14°29 | n.a. | S 17 |
| S 18 | 22 41 40 | 8°41'22 | 10♋12 | 25°37 | 3°28 | 2°43 | 13°36 | 15°25 | 29°26 | 22°27 | 21°29 | 5°10 | 4°54 | 14°35 | n.a. | S 18 |
| M19 | 22 45 37 | 9°41'45 | 22° 5 | 27°15 | 4°43 | 3°21 | 13°35 | 15°21 | 29°30 | 22°28 | 21°31 | 5°10 | 4°51 | 14°42 | n.a. | M19 |
| T 20 | 22 49 33 | 10°42'10 | 3♌53 | 28°53 | 5°57 | 3°59 | 13°34 | 15°18 | 29°34 | 22°30 | 21°34 | 5°11 | 4°47 | 14°49 | n.a. | T 20 |
| W21 | 22 53 30 | 11°42'37 | 15°41 | 0♍31 | 7°11 | 4°37 | 13°33 | 15°14 | 29°38 | 22°32 | 21°36 | 5°11 | 4°44 | 14°55 | n.a. | W21 |
| T 22 | 22 57 27 | 12°43'06 | 27°30 | 2° 9 | 8°26 | 5°15 | 13°32 | 15°10 | 29°41 | 22°34 | 21°38 | 5°12 | 4°41 | 15° 2 | n.a. | T 22 |
| F 23 | 23 1 23 | 13°43'37 | 9♍24 | 3°48 | 9°40 | 5°53 | 13°31 | 15° 7 | 29°45 | 22°36 | 21°40 | 5°R12 | 4°38 | 15° 9 | n.a. | F 23 |
| S 24 | 23 5 20 | 14°44'10 | 21°24 | 5°26 | 10°55 | 6°32 | 13°31 | 15° 3 | 29°49 | 22°38 | 21°43 | 5°11 | 4°35 | 15°15 | n.a. | S 24 |
| S 25 | 23 9 16 | 15°44'45 | 3♎32 | 7° 4 | 12° 9 | 7°10 | 13°30 | 14°59 | 29°52 | 22°40 | 21°45 | 5°10 | 4°32 | 15°22 | n.a. | S 25 |
| M26 | 23 13 13 | 16°45'21 | 15°50 | 8°43 | 13°23 | 7°48 | 13°D30 | 14°55 | 29°56 | 22°41 | 21°47 | 5° 9 | 4°28 | 15°28 | n.a. | M26 |
| T 27 | 23 17 9 | 17°45'58 | 28°20 | 10°21 | 14°38 | 8°26 | 13°30 | 14°51 | 29°59 | 22°43 | 21°49 | 5° 7 | 4°25 | 15°35 | n.a. | T 27 |
| W28 | 23 21 6 | 18°46'38 | 11♏ 2 | 11°58 | 15°52 | 9° 4 | 13°31 | 14°46 | 0♍ 3 | 22°45 | 21°51 | 5° 5 | 4°22 | 15°42 | n.a. | W28 |
| T 29 | 23 25 2 | 19°47'19 | 24° 0 | 13°36 | 17° 6 | 9°43 | 13°31 | 14°42 | 0° 7 | 22°47 | 21°54 | 5° 3 | 4°19 | 15°48 | n.a. | T 29 |
| F 30 | 23 28 59 | 20♍48'01 | 7♐14 | 15♍13 | 18♎21 | 10♌21 | 13♑32 | 14♈38 | 0♍11 | 22♎49 | 21♌56 | 5♓ 2 | 4♓16 | 15♌55 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n34 | 21s 5 | 4s56 | 20n 2 | 0n36 | 7n47 | 0n47 | 23n20 | 1n15 | 24s32 | 1s25 | 4n 6 | 2s36 | 12n59 | 0n46 | 6s59 | 1n54 | 30n30 | 16n39 | 9s47 | 9s34 | 19n16 | | n.a. |
| F 2 | 14 14 | 25 3 | 5 14 | 20 10 | 0 50 | 7 16 | 0 45 | 23 14 | 1 15 | 24 32 | 1 25 | 4 5 | 2 36 | 12 58 | 0 46 | 7 0 | 1 54 | 30 29 | 16 39 | 9 47 | 9 35 | 19 14 | | n.a. |
| S 3 | 13 54 | 27 45 | 5 16 | 20 13 | 1 3 | 6 45 | 0 43 | 23 7 | 1 15 | 24 32 | 1 25 | 4 4 | 2 36 | 12 57 | 0 46 | 7 0 | 1 54 | 30 28 | 16 39 | 9 47 | 9 37 | 19 11 | | n.a. |
| S 4 | 13 34 | 28 48 | 4 58 | 20 13 | 1 14 | 6 13 | 0 40 | 23 1 | 1 15 | 24 33 | 1 25 | 4 3 | 2 36 | 12 55 | 0 46 | 7 1 | 1 54 | 30 27 | 16 39 | 9 48 | 9 38 | 19 8 | | n.a. |
| M 5 | 13 13 | 27 56 | 4 22 | 20 9 | 1 24 | 5 41 | 0 38 | 22 54 | 1 16 | 24 33 | 1 25 | 4 2 | 2 37 | 12 54 | 0 46 | 7 2 | 1 53 | 30 27 | 16 40 | 9 48 | 9 39 | 19 6 | | n.a. |
| T 6 | 12 53 | 25 5 | 3 28 | 20 2 | 1 33 | 5 10 | 0 36 | 22 48 | 1 16 | 24 34 | 1 25 | 4 1 | 2 37 | 12 53 | 0 46 | 7 2 | 1 53 | 30 26 | 16 40 | 9 49 | 9 40 | 19 3 | | n.a. |
| W 7 | 12 32 | 20 28 | 2 18 | 19 51 | 1 41 | 4 38 | 0 34 | 22 41 | 1 16 | 24 34 | 1 25 | 4 0 | 2 37 | 12 51 | 0 46 | 7 3 | 1 53 | 30 25 | 16 40 | 9 49 | 9 41 | 19 0 | | n.a. |
| T 8 | 12 11 | 14 29 | 0 58 | 19 37 | 1 47 | 4 6 | 0 31 | 22 34 | 1 17 | 24 34 | 1 25 | 3 58 | 2 37 | 12 50 | 0 46 | 7 3 | 1 53 | 30 24 | 16 40 | 9 49 | 9 43 | 18 57 | | n.a. |
| F 9 | 11 49 | 7 39 | 0n26 | 19 20 | 1 52 | 3 33 | 0 29 | 22 26 | 1 17 | 24 34 | 1 24 | 3 57 | 2 37 | 12 49 | 0 46 | 7 4 | 1 53 | 30 23 | 16 40 | 9 49 | 9 44 | 18 55 | | n.a. |
| S 10 | 11 28 | 0 31 | 1 47 | 19 0 | 1 56 | 3 1 | 0 26 | 22 19 | 1 17 | 24 35 | 1 24 | 3 56 | 2 38 | 12 47 | 0 46 | 7 5 | 1 53 | 30 23 | 16 40 | 9 49 | 9 45 | 18 52 | | n.a. |
| S 11 | 11 6 | 6n30 | 2 59 | 18 38 | 1 59 | 2 29 | 0 24 | 22 12 | 1 17 | 24 35 | 1 24 | 3 55 | 2 38 | 12 46 | 0 46 | 7 5 | 1 53 | 30 22 | 16 40 | 9 49 | 9 46 | 18 49 | | n.a. |
| M12 | 10 44 | 12 59 | 3 58 | 18 13 | 2 1 | 1 56 | 0 21 | 22 4 | 1 18 | 24 35 | 1 24 | 3 53 | 2 38 | 12 45 | 0 46 | 7 6 | 1 53 | 30 21 | 16 40 | 9 49 | 9 47 | 18 46 | | n.a. |
| T 13 | 10 22 | 18 37 | 4 41 | 17 46 | 2 2 | 1 24 | 0 19 | 21 56 | 1 18 | 24 35 | 1 24 | 3 52 | 2 38 | 12 43 | 0 46 | 7 7 | 1 53 | 30 21 | 16 40 | 9 49 | 9 48 | 18 44 | | n.a. |
| W14 | 9 59 | 23 10 | 5 8 | 17 17 | 2 2 | 0 51 | 0 16 | 21 48 | 1 18 | 24 35 | 1 24 | 3 51 | 2 38 | 12 42 | 0 46 | 7 7 | 1 53 | 30 20 | 16 40 | 9 49 | 9 50 | 18 41 | | n.a. |
| T 15 | 9 37 | 26 27 | 5 18 | 16 46 | 2 2 | 0 19 | 0 14 | 21 40 | 1 19 | 24 35 | 1 24 | 3 49 | 2 38 | 12 41 | 0 46 | 7 8 | 1 53 | 30 19 | 16 41 | 9 49 | 9 51 | 18 38 | | n.a. |
| F 16 | 9 14 | 28 20 | 5 12 | 16 14 | 2 1 | 0s14 | 0 11 | 21 31 | 1 19 | 24 35 | 1 24 | 3 48 | 2 39 | 12 39 | 0 46 | 7 9 | 1 53 | 30 19 | 16 41 | 9 49 | 9 52 | 18 35 | | n.a. |
| S 17 | 8 51 | 28 47 | 4 53 | 15 40 | 1 59 | 0 47 | 0 8 | 21 23 | 1 19 | 24 35 | 1 23 | 3 47 | 2 39 | 12 38 | 0 46 | 7 9 | 1 53 | 30 18 | 16 41 | 9 49 | 9 53 | 18 32 | | n.a. |
| S 18 | 8 28 | 27 51 | 4 20 | 15 4 | 1 57 | 1 19 | 0 6 | 21 14 | 1 19 | 24 36 | 1 23 | 3 45 | 2 39 | 12 37 | 0 46 | 7 10 | 1 53 | 30 17 | 16 41 | 9 49 | 9 54 | 18 30 | | n.a. |
| M19 | 8 5 | 25 39 | 3 37 | 14 28 | 1 54 | 1 52 | 0 3 | 21 5 | 1 20 | 24 36 | 1 23 | 3 44 | 2 39 | 12 35 | 0 46 | 7 11 | 1 53 | 30 17 | 16 41 | 9 48 | 9 56 | 18 27 | | n.a. |
| T 20 | 7 42 | 22 21 | 2 45 | 13 50 | 1 51 | 2 24 | 0 0 | 20 56 | 1 20 | 24 36 | 1 23 | 3 42 | 2 39 | 12 34 | 0 46 | 7 11 | 1 53 | 30 16 | 16 41 | 9 48 | 9 57 | 18 24 | | n.a. |
| W21 | 7 19 | 18 9 | 1 46 | 13 11 | 1 48 | 2 57 | 0s 2 | 20 47 | 1 20 | 24 35 | 1 23 | 3 41 | 2 39 | 12 33 | 0 46 | 7 12 | 1 53 | 30 15 | 16 42 | 9 48 | 9 58 | 18 21 | | n.a. |
| T 22 | 6 55 | 13 15 | 0 43 | 12 32 | 1 44 | 3 29 | 0 5 | 20 38 | 1 20 | 24 35 | 1 23 | 3 39 | 2 39 | 12 31 | 0 46 | 7 13 | 1 53 | 30 15 | 16 42 | 9 48 | 9 59 | 18 19 | | n.a. |
| F 23 | 6 31 | 7 51 | 0s23 | 11 51 | 1 39 | 4 2 | 0 8 | 20 29 | 1 21 | 24 35 | 1 22 | 3 37 | 2 40 | 12 30 | 0 46 | 7 14 | 1 53 | 30 14 | 16 42 | 9 48 | 10 0 | 18 16 | | n.a. |
| S 24 | 6 8 | 2 7 | 1 29 | 11 10 | 1 35 | 4 34 | 0 11 | 20 19 | 1 21 | 24 35 | 1 22 | 3 36 | 2 40 | 12 29 | 0 46 | 7 14 | 1 52 | 30 14 | 16 42 | 9 48 | 10 2 | 18 13 | | n.a. |
| S 25 | 5 44 | 3s44 | 2 31 | 10 28 | 1 30 | 5 6 | 0 13 | 20 10 | 1 21 | 24 35 | 1 22 | 3 34 | 2 40 | 12 27 | 0 46 | 7 15 | 1 52 | 30 13 | 16 43 | 9 48 | 10 3 | 18 10 | | n.a. |
| M26 | 5 20 | 9 31 | 3 27 | 9 46 | 1 25 | 5 38 | 0 16 | 20 0 | 1 21 | 24 35 | 1 22 | 3 32 | 2 40 | 12 26 | 0 46 | 7 16 | 1 52 | 30 13 | 16 43 | 9 49 | 10 4 | 18 7 | | n.a. |
| T 27 | 4 56 | 15 2 | 4 14 | 9 4 | 1 19 | 6 10 | 0 19 | 19 50 | 1 22 | 24 35 | 1 22 | 3 31 | 2 40 | 12 25 | 0 46 | 7 17 | 1 52 | 30 12 | 16 43 | 9 49 | 10 5 | 18 4 | | n.a. |
| W28 | 4 32 | 20 0 | 4 49 | 8 20 | 1 14 | 6 42 | 0 22 | 19 40 | 1 22 | 24 35 | 1 22 | 3 29 | 2 40 | 12 23 | 0 46 | 7 17 | 1 52 | 30 11 | 16 43 | 9 50 | 10 6 | 18 2 | | n.a. |
| T 29 | 4 7 | 24 9 | 5 10 | 7 37 | 1 8 | 7 14 | 0 25 | 19 30 | 1 22 | 24 34 | 1 21 | 3 27 | 2 40 | 12 22 | 0 46 | 7 18 | 1 52 | 30 11 | 16 44 | 9 51 | 10 7 | 17 59 | | n.a. |
| F 30 | 3n43 | 27s 9 | 5s16 | 6n53 | 1n 2 | 7s45 | 0s27 | 19n19 | 1n22 | 24s34 | 1s21 | 3n25 | 2s40 | 12n21 | 0n46 | 7s19 | 1n52 | 30n10 | 16n44 | 9s51 | 10s 9 | 17n56 | | n.a. |

Julian Day Number = 999567.5, Delta T = 12h52m49s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'17, Lahiri = -31°12'17 Julian Calendar 1 Sept. 1977 BCE == Greg. Calendar 15 Aug. 1977 BCE


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## OCTOBER 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 32 55 | 21♍48'44 | 20♐47 | 16♍50 | 19♎35 | 10♌59 | 13♑33 | 14°R34 | 0♍14 | 22♎51 | 21♌58 | 5°D 2 | 4♓12 | 16♌ 2 | n.a. | S 1 |
| S 2 | 23 36 52 | 22°49'29 | 4♑38 | 18°27 | 20°49 | 11°37 | 13°34 | 14♈29 | 0°18 | 22°53 | 22° 0 | 5♓ 2 | 4° 9 | 16° 8 | n.a. | S 2 |
| M 3 | 23 40 49 | 23°50'16 | 18°49 | 20° 4 | 22° 3 | 12°15 | 13°36 | 14°25 | 0°21 | 22°55 | 22° 2 | 5° 3 | 4° 6 | 16°15 | n.a. | M 3 |
| T 4 | 23 44 45 | 24°51'03 | 3♒17 | 21°40 | 23°18 | 12°53 | 13°37 | 14°20 | 0°25 | 22°57 | 22° 4 | 5° 4 | 4° 3 | 16°22 | n.a. | T 4 |
| W 5 | 23 48 42 | 25°51'51 | 18° 0 | 23°16 | 24°32 | 13°31 | 13°39 | 14°16 | 0°29 | 22°59 | 22° 6 | 5° 6 | 4° 0 | 16°28 | n.a. | W 5 |
| T 6 | 23 52 38 | 26°52'41 | 2♓53 | 24°52 | 25°46 | 14°10 | 13°41 | 14°11 | 0°32 | 23° 1 | 22° 8 | 5°R 6 | 3°57 | 16°35 | n.a. | T 6 |
| F 7 | 23 56 35 | 27°53'32 | 17°47 | 26°27 | 27° 0 | 14°48 | 13°43 | 14° 6 | 0°36 | 23° 4 | 22°10 | 5° 6 | 3°53 | 16°42 | n.a. | F 7 |
| S 8 | 0 0 31 | 28°54'24 | 2♈36 | 28° 3 | 28°14 | 15°26 | 13°46 | 14° 2 | 0°39 | 23° 6 | 22°12 | 5° 4 | 3°50 | 16°48 | n.a. | S 8 |
| S 9 | 0 4 28 | 29°55'18 | 17°11 | 29°38 | 29°28 | 16° 4 | 13°48 | 13°57 | 0°42 | 23° 8 | 22°14 | 5° 1 | 3°47 | 16°55 | n.a. | S 9 |
| M10 | 0 8 24 | 0♎56'13 | 1♉27 | 1♎13 | 0♏42 | 16°42 | 13°51 | 13°52 | 0°46 | 23°10 | 22°16 | 4°57 | 3°44 | 17° 2 | n.a. | M10 |
| T 11 | 0 12 21 | 1°57'10 | 15°18 | 2°48 | 1°56 | 17°20 | 13°54 | 13°47 | 0°49 | 23°12 | 22°18 | 4°53 | 3°41 | 17° 8 | n.a. | T 11 |
| W12 | 0 16 18 | 2°58'08 | 28°43 | 4°22 | 3°11 | 17°59 | 13°57 | 13°42 | 0°53 | 23°14 | 22°20 | 4°49 | 3°37 | 17°15 | n.a. | W12 |
| T 13 | 0 20 14 | 3°59'08 | 11♊42 | 5°57 | 4°25 | 18°37 | 14° 1 | 13°37 | 0°56 | 23°16 | 22°22 | 4°46 | 3°34 | 17°22 | n.a. | T 13 |
| F 14 | 0 24 11 | 5° 0'10 | 24°17 | 7°31 | 5°39 | 19°15 | 14° 4 | 13°33 | 0°59 | 23°19 | 22°24 | 4°44 | 3°31 | 17°28 | n.a. | F 14 |
| S 15 | 0 28 7 | 6° 1'12 | 6♋34 | 9° 5 | 6°53 | 19°53 | 14° 8 | 13°28 | 1° 3 | 23°21 | 22°26 | 4°D44 | 3°28 | 17°35 | n.a. | S 15 |
| S 16 | 0 32 4 | 7° 2'16 | 18°35 | 10°40 | 8° 6 | 20°31 | 14°12 | 13°23 | 1° 6 | 23°23 | 22°28 | 4°44 | 3°25 | 17°42 | n.a. | S 16 |
| M17 | 0 36 0 | 8° 3'22 | 0♌27 | 12°14 | 9°20 | 21° 9 | 14°16 | 13°18 | 1° 9 | 23°25 | 22°30 | 4°46 | 3°22 | 17°48 | n.a. | M17 |
| T 18 | 0 39 57 | 9° 4'29 | 12°15 | 13°48 | 10°34 | 21°47 | 14°21 | 13°13 | 1°12 | 23°27 | 22°31 | 4°48 | 3°18 | 17°55 | n.a. | T 18 |
| W19 | 0 43 54 | 10° 5'37 | 24° 2 | 15°22 | 11°48 | 22°26 | 14°25 | 13° 8 | 1°16 | 23°30 | 22°33 | 4°49 | 3°15 | 18° 1 | n.a. | W19 |
| T 20 | 0 47 50 | 11° 6'46 | 5♍54 | 16°56 | 13° 2 | 23° 4 | 14°30 | 13° 3 | 1°19 | 23°32 | 22°35 | 4°R50 | 3°12 | 18° 8 | n.a. | T 20 |
| F 21 | 0 51 47 | 12° 7'56 | 17°54 | 18°30 | 14°16 | 23°42 | 14°35 | 12°58 | 1°22 | 23°34 | 22°37 | 4°49 | 3° 9 | 18°15 | n.a. | F 21 |
| S 22 | 0 55 43 | 13° 9'07 | 0♎ 5 | 20° 4 | 15°30 | 24°20 | 14°40 | 12°53 | 1°25 | 23°36 | 22°38 | 4°46 | 3° 6 | 18°21 | n.a. | S 22 |
| S 23 | 0 59 40 | 14°10'19 | 12°28 | 21°37 | 16°44 | 24°58 | 14°45 | 12°48 | 1°28 | 23°38 | 22°40 | 4°41 | 3° 3 | 18°28 | n.a. | S 23 |
| M24 | 1 3 36 | 15°11'33 | 25° 4 | 23°11 | 17°57 | 25°36 | 14°51 | 12°43 | 1°31 | 23°41 | 22°42 | 4°34 | 2°59 | 18°35 | n.a. | M24 |
| T 25 | 1 7 33 | 16°12'46 | 7♏55 | 24°45 | 19°11 | 26°14 | 14°56 | 12°38 | 1°34 | 23°43 | 22°43 | 4°27 | 2°56 | 18°41 | n.a. | T 25 |
| W26 | 1 11 29 | 17°14'01 | 20°58 | 26°19 | 20°25 | 26°52 | 15° 2 | 12°33 | 1°37 | 23°45 | 22°45 | 4°19 | 2°53 | 18°48 | n.a. | W26 |
| T 27 | 1 15 26 | 18°15'16 | 4♐14 | 27°53 | 21°38 | 27°31 | 15° 8 | 12°28 | 1°40 | 23°47 | 22°47 | 4°12 | 2°50 | 18°55 | n.a. | T 27 |
| F 28 | 1 19 23 | 19°16'32 | 17°41 | 29°27 | 22°52 | 28° 9 | 15°14 | 12°23 | 1°43 | 23°50 | 22°48 | 4° 6 | 2°47 | 19° 1 | n.a. | F 28 |
| S 29 | 1 23 19 | 20°17'48 | 1♑20 | 1♏ 1 | 24° 6 | 28°47 | 15°20 | 12°18 | 1°46 | 23°52 | 22°50 | 4° 2 | 2°43 | 19° 8 | n.a. | S 29 |
| S 30 | 1 27 16 | 21°19'04 | 15°10 | 2°34 | 25°19 | 29°25 | 15°27 | 12°13 | 1°48 | 23°54 | 22°51 | 4°D 0 | 2°40 | 19°15 | n.a. | S 30 |
| M31 | 1 31 12 | 22♎20'21 | 29♑10 | 4♏ 8 | 26♏33 | 0♍ 3 | 15♑34 | 12♈ 8 | 1♍51 | 23♎57 | 22♌53 | 4♓ 0 | 2♓37 | 19♌21 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3n19 | 28s39 | 5s 4 | 6n 9 | 0n56 | 8s16 | 0s30 | 19n 9 | 1n23 | 24s34 | 1s21 | 3n24 | 2s40 | 12n19 | 0n46 | 7s20 | 1n52 | 30n10 | 16n44 | 9s51 | 10s10 | 17n53 | | n.a. |
| S 2 | 2 54 | 28 25 | 4 35 | 5 25 | 0 50 | 8 48 | 0 33 | 18 58 | 1 23 | 24 33 | 1 21 | 3 22 | 2 41 | 12 18 | 0 46 | 7 21 | 1 52 | 30 9 | 16 44 | 9 51 | 10 11 | 17 50 | | n.a. |
| M 3 | 2 30 | 26 21 | 3 49 | 4 41 | 0 44 | 9 19 | 0 36 | 18 48 | 1 23 | 24 33 | 1 21 | 3 20 | 2 41 | 12 17 | 0 46 | 7 21 | 1 52 | 30 9 | 16 45 | 9 51 | 10 12 | 17 47 | | n.a. |
| T 4 | 2 5 | 22 31 | 2 47 | 3 57 | 0 38 | 9 49 | 0 38 | 18 37 | 1 23 | 24 33 | 1 21 | 3 18 | 2 41 | 12 16 | 0 46 | 7 22 | 1 52 | 30 9 | 16 45 | 9 50 | 10 13 | 17 45 | | n.a. |
| W 5 | 1 41 | 17 13 | 1 33 | 3 12 | 0 31 | 10 20 | 0 41 | 18 26 | 1 24 | 24 32 | 1 20 | 3 16 | 2 41 | 12 14 | 0 46 | 7 23 | 1 52 | 30 8 | 16 45 | 9 50 | 10 14 | 17 42 | | n.a. |
| T 6 | 1 16 | 10 51 | 0 12 | 2 28 | 0 25 | 10 50 | 0 44 | 18 15 | 1 24 | 24 32 | 1 20 | 3 14 | 2 41 | 12 13 | 0 46 | 7 24 | 1 52 | 30 8 | 16 46 | 9 50 | 10 16 | 17 39 | | n.a. |
| F 7 | 0 51 | 3 52 | 1n 9 | 1 43 | 0 18 | 11 20 | 0 47 | 18 4 | 1 24 | 24 32 | 1 20 | 3 13 | 2 41 | 12 12 | 0 46 | 7 25 | 1 52 | 30 7 | 16 46 | 9 50 | 10 17 | 17 36 | | n.a. |
| S 8 | 0 27 | 3n16 | 2 26 | 0 59 | 0 12 | 11 50 | 0 49 | 17 52 | 1 24 | 24 31 | 1 20 | 3 11 | 2 41 | 12 11 | 0 46 | 7 25 | 1 52 | 30 7 | 16 46 | 9 51 | 10 18 | 17 33 | | n.a. |
| S 9 | 0 2 | 10 7 | 3 31 | 0 14 | 0 6 | 12 19 | 0 52 | 17 41 | 1 24 | 24 31 | 1 20 | 3 9 | 2 41 | 12 9 | 0 46 | 7 26 | 1 52 | 30 6 | 16 47 | 9 52 | 10 19 | 17 30 | | n.a. |
| M10 | 0s23 | 16 18 | 4 22 | 0s30 | 0s 1 | 12 48 | 0 55 | 17 29 | 1 25 | 24 30 | 1 20 | 3 7 | 2 41 | 12 8 | 0 46 | 7 27 | 1 52 | 30 6 | 16 47 | 9 53 | 10 20 | 17 27 | | n.a. |
| T 11 | 0 47 | 21 27 | 4 56 | 1 15 | 0 7 | 13 17 | 0 57 | 17 18 | 1 25 | 24 30 | 1 19 | 3 5 | 2 41 | 12 7 | 0 46 | 7 28 | 1 52 | 30 6 | 16 47 | 9 55 | 10 22 | 17 25 | | n.a. |
| W12 | 1 12 | 25 20 | 5 12 | 1 59 | 0 14 | 13 45 | 1 0 | 17 6 | 1 25 | 24 29 | 1 19 | 3 3 | 2 41 | 12 6 | 0 46 | 7 29 | 1 52 | 30 5 | 16 48 | 9 56 | 10 23 | 17 22 | | n.a. |
| T 13 | 1 37 | 27 47 | 5 11 | 2 43 | 0 20 | 14 14 | 1 3 | 16 54 | 1 25 | 24 29 | 1 19 | 3 1 | 2 41 | 12 5 | 0 46 | 7 30 | 1 52 | 30 5 | 16 48 | 9 57 | 10 24 | 17 19 | | n.a. |
| F 14 | 2 2 | 28 43 | 4 56 | 3 27 | 0 27 | 14 41 | 1 5 | 16 42 | 1 26 | 24 28 | 1 19 | 2 59 | 2 41 | 12 3 | 0 46 | 7 30 | 1 52 | 30 5 | 16 49 | 9 58 | 10 25 | 17 16 | | n.a. |
| S 15 | 2 26 | 28 12 | 4 27 | 4 10 | 0 33 | 15 9 | 1 8 | 16 30 | 1 26 | 24 28 | 1 19 | 2 57 | 2 41 | 12 2 | 0 46 | 7 31 | 1 52 | 30 4 | 16 49 | 9 58 | 10 26 | 17 13 | | n.a. |
| S 16 | 2 51 | 26 21 | 3 47 | 4 54 | 0 39 | 15 36 | 1 10 | 16 18 | 1 26 | 24 27 | 1 19 | 2 55 | 2 41 | 12 1 | 0 46 | 7 32 | 1 52 | 30 4 | 16 49 | 9 58 | 10 27 | 17 10 | | n.a. |
| M17 | 3 15 | 23 20 | 2 57 | 5 37 | 0 45 | 16 2 | 1 13 | 16 6 | 1 26 | 24 26 | 1 18 | 2 53 | 2 41 | 12 0 | 0 46 | 7 33 | 1 52 | 30 4 | 16 50 | 9 57 | 10 29 | 17 7 | | n.a. |
| T 18 | 3 40 | 19 24 | 2 0 | 6 20 | 0 51 | 16 29 | 1 15 | 15 53 | 1 26 | 24 26 | 1 18 | 2 51 | 2 41 | 11 59 | 0 46 | 7 34 | 1 52 | 30 4 | 16 50 | 9 57 | 10 30 | 17 4 | | n.a. |
| W19 | 4 5 | 14 42 | 0 59 | 7 3 | 0 57 | 16 55 | 1 17 | 15 41 | 1 27 | 24 25 | 1 18 | 2 49 | 2 41 | 11 58 | 0 46 | 7 35 | 1 52 | 30 3 | 16 51 | 9 56 | 10 31 | 17 1 | | n.a. |
| T 20 | 4 29 | 9 26 | 0s 6 | 7 45 | 1 3 | 17 20 | 1 20 | 15 28 | 1 27 | 24 24 | 1 18 | 2 47 | 2 41 | 11 57 | 0 46 | 7 36 | 1 52 | 30 3 | 16 51 | 9 56 | 10 32 | 16 58 | | n.a. |
| F 21 | 4 53 | 3 48 | 1 11 | 8 27 | 1 9 | 17 45 | 1 22 | 15 15 | 1 27 | 24 24 | 1 18 | 2 45 | 2 41 | 11 55 | 0 46 | 7 36 | 1 52 | 30 3 | 16 52 | 9 56 | 10 33 | 16 56 | | n.a. |
| S 22 | 5 18 | 2s 4 | 2 13 | 9 8 | 1 14 | 18 9 | 1 24 | 15 3 | 1 27 | 24 23 | 1 17 | 2 44 | 2 41 | 11 54 | 0 46 | 7 37 | 1 52 | 30 3 | 16 52 | 9 57 | 10 34 | 16 53 | | n.a. |
| S 23 | 5 42 | 7 56 | 3 10 | 9 49 | 1 20 | 18 33 | 1 27 | 14 50 | 1 27 | 24 22 | 1 17 | 2 42 | 2 41 | 11 53 | 0 46 | 7 38 | 1 52 | 30 3 | 16 52 | 9 59 | 10 36 | 16 50 | | n.a. |
| M24 | 6 6 | 13 35 | 3 59 | 10 30 | 1 25 | 18 57 | 1 29 | 14 37 | 1 28 | 24 21 | 1 17 | 2 40 | 2 41 | 11 52 | 0 46 | 7 39 | 1 52 | 30 2 | 16 53 | 10 2 | 10 37 | 16 47 | | n.a. |
| T 25 | 6 30 | 18 46 | 4 37 | 11 10 | 1 30 | 19 20 | 1 31 | 14 24 | 1 28 | 24 21 | 1 17 | 2 38 | 2 41 | 11 51 | 0 46 | 7 40 | 1 52 | 30 2 | 16 53 | 10 4 | 10 38 | 16 44 | | n.a. |
| W26 | 6 54 | 23 11 | 5 0 | 11 50 | 1 35 | 19 42 | 1 33 | 14 11 | 1 28 | 24 20 | 1 17 | 2 36 | 2 41 | 11 50 | 0 46 | 7 41 | 1 52 | 30 2 | 16 54 | 10 7 | 10 39 | 16 41 | | n.a. |
| T 27 | 7 18 | 26 28 | 5 9 | 12 29 | 1 40 | 20 4 | 1 35 | 13 57 | 1 28 | 24 19 | 1 17 | 2 34 | 2 40 | 11 49 | 0 46 | 7 42 | 1 52 | 30 2 | 16 54 | 10 10 | 10 40 | 16 38 | | n.a. |
| F 28 | 7 42 | 28 19 | 5 0 | 13 7 | 1 44 | 20 26 | 1 37 | 13 44 | 1 28 | 24 18 | 1 16 | 2 32 | 2 40 | 11 48 | 0 46 | 7 42 | 1 52 | 30 2 | 16 55 | 10 12 | 10 41 | 16 35 | | n.a. |
| S 29 | 8 5 | 28 30 | 4 35 | 13 45 | 1 48 | 20 46 | 1 39 | 13 31 | 1 28 | 24 17 | 1 16 | 2 30 | 2 40 | 11 47 | 0 46 | 7 43 | 1 52 | 30 2 | 16 55 | 10 14 | 10 43 | 16 32 | | n.a. |
| S 30 | 8 29 | 26 54 | 3 53 | 14 22 | 1 52 | 21 7 | 1 41 | 13 17 | 1 29 | 24 16 | 1 16 | 2 28 | 2 40 | 11 46 | 0 46 | 7 44 | 1 52 | 30 2 | 16 56 | 10 14 | 10 44 | 16 29 | | n.a. |
| M31 | 8s52 | 23s37 | 2s57 | 14s58 | 1s56 | 21s26 | 1s43 | 13n 4 | 1n29 | 24s15 | 1s16 | 2n26 | 2s40 | 11n45 | 0n46 | 7s45 | 1n52 | 30n 2 | 16n56 | 10s14 | 10s45 | 16n26 | | n.a. |

Julian Day Number = 999597.5, Delta T = 12h52m47s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'13, Lahiri = -31°12'13 Julian Calendar 1 Oct. 1977 BCE == Greg. Calendar 14 Sept. 1977 BCE

The year -1976 astronomical counting style corresponds to year 1977 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## NOVEMBER 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 35 9 | 23♎21'38 | 13♒19 | 5♏42 | 27♏46 | 0♍41 | 15♑40 | 12°R 3 | 1♍54 | 23♎59 | 22♌54 | 4♓ 1 | 2♓34 | 19♌28 | n.a. | T 1 |
| W 2 | 1 39 5 | 24°22'55 | 27°38 | 7°15 | 29° 0 | 1°19 | 15°47 | 11♈58 | 1°57 | 24° 1 | 22°55 | 4°R 2 | 2°31 | 19°35 | n.a. | W 2 |
| T 3 | 1 43 2 | 25°24'12 | 12♓ 3 | 8°48 | 0♐13 | 1°57 | 15°54 | 11°53 | 1°59 | 24° 3 | 22°57 | 4° 2 | 2°28 | 19°41 | n.a. | T 3 |
| F 4 | 1 46 58 | 26°25'29 | 26°31 | 10°21 | 1°26 | 2°35 | 16° 2 | 11°49 | 2° 2 | 24° 6 | 22°58 | 4° 0 | 2°24 | 19°48 | n.a. | F 4 |
| S 5 | 1 50 55 | 27°26'47 | 10♈57 | 11°54 | 2°40 | 3°13 | 16° 9 | 11°44 | 2° 4 | 24° 8 | 22°59 | 3°55 | 2°21 | 19°55 | n.a. | S 5 |
| S 6 | 1 54 52 | 28°28'04 | 25°15 | 13°26 | 3°53 | 3°51 | 16°17 | 11°39 | 2° 7 | 24°10 | 23° 1 | 3°48 | 2°18 | 20° 1 | n.a. | S 6 |
| M 7 | 1 58 48 | 29°29'22 | 9♉19 | 14°58 | 5° 6 | 4°29 | 16°25 | 11°35 | 2° 9 | 24°12 | 23° 2 | 3°39 | 2°15 | 20° 8 | n.a. | M 7 |
| T 8 | 2 2 45 | 0♏30'41 | 23° 5 | 16°28 | 6°19 | 5° 7 | 16°33 | 11°30 | 2°12 | 24°15 | 23° 3 | 3°29 | 2°12 | 20°14 | n.a. | T 8 |
| W 9 | 2 6 41 | 1°31'59 | 6♊28 | 17°59 | 7°33 | 5°45 | 16°41 | 11°25 | 2°14 | 24°17 | 23° 4 | 3°19 | 2° 9 | 20°21 | n.a. | W 9 |
| T 10 | 2 10 38 | 2°33'18 | 19°29 | 19°27 | 8°46 | 6°23 | 16°49 | 11°21 | 2°17 | 24°19 | 23° 5 | 3°10 | 2° 5 | 20°28 | n.a. | T 10 |
| F 11 | 2 14 34 | 3°34'38 | 2♋ 8 | 20°55 | 9°59 | 7° 1 | 16°57 | 11°16 | 2°19 | 24°21 | 23° 7 | 3° 3 | 2° 2 | 20°34 | n.a. | F 11 |
| S 12 | 2 18 31 | 4°35'57 | 14°27 | 22°21 | 11°12 | 7°39 | 17° 6 | 11°12 | 2°21 | 24°24 | 23° 8 | 2°58 | 1°59 | 20°41 | n.a. | S 12 |
| S 13 | 2 22 28 | 5°37'17 | 26°30 | 23°46 | 12°25 | 8°17 | 17°14 | 11° 8 | 2°23 | 24°26 | 23° 9 | 2°56 | 1°56 | 20°48 | n.a. | S 13 |
| M14 | 2 26 24 | 6°38'38 | 8♌23 | 25° 8 | 13°38 | 8°55 | 17°23 | 11° 3 | 2°25 | 24°28 | 23°10 | 2°D55 | 1°53 | 20°54 | n.a. | M14 |
| T 15 | 2 30 21 | 7°39'58 | 20°11 | 26°27 | 14°50 | 9°33 | 17°32 | 10°59 | 2°28 | 24°30 | 23°11 | 2°56 | 1°49 | 21° 1 | n.a. | T 15 |
| W16 | 2 34 17 | 8°41'19 | 1♍59 | 27°44 | 16° 3 | 10°11 | 17°41 | 10°55 | 2°30 | 24°33 | 23°12 | 2°R56 | 1°46 | 21° 8 | n.a. | W16 |
| T 17 | 2 38 14 | 9°42'39 | 13°53 | 28°57 | 17°16 | 10°49 | 17°50 | 10°51 | 2°32 | 24°35 | 23°13 | 2°56 | 1°43 | 21°14 | n.a. | T 17 |
| F 18 | 2 42 10 | 10°44'00 | 25°57 | 0♐ 5 | 18°29 | 11°27 | 18° 0 | 10°47 | 2°34 | 24°37 | 23°13 | 2°53 | 1°40 | 21°21 | n.a. | F 18 |
| S 19 | 2 46 7 | 11°45'20 | 8♎16 | 1° 9 | 19°41 | 12° 5 | 18° 9 | 10°43 | 2°36 | 24°39 | 23°14 | 2°48 | 1°37 | 21°28 | n.a. | S 19 |
| S 20 | 2 50 4 | 12°46'41 | 20°52 | 2° 7 | 20°54 | 12°42 | 18°19 | 10°39 | 2°38 | 24°41 | 23°15 | 2°40 | 1°34 | 21°34 | n.a. | S 20 |
| M21 | 2 54 0 | 13°48'01 | 3♏46 | 2°58 | 22° 6 | 13°20 | 18°28 | 10°36 | 2°39 | 24°44 | 23°16 | 2°29 | 1°30 | 21°41 | n.a. | M21 |
| T 22 | 2 57 57 | 14°49'21 | 16°59 | 3°42 | 23°19 | 13°58 | 18°38 | 10°32 | 2°41 | 24°46 | 23°17 | 2°17 | 1°27 | 21°48 | n.a. | T 22 |
| W23 | 3 1 53 | 15°50'41 | 0♐27 | 4°18 | 24°31 | 14°36 | 18°48 | 10°28 | 2°43 | 24°48 | 23°17 | 2° 4 | 1°24 | 21°54 | n.a. | W23 |
| T 24 | 3 5 50 | 16°52'00 | 14°10 | 4°44 | 25°43 | 15°14 | 18°58 | 10°25 | 2°45 | 24°50 | 23°18 | 1°52 | 1°21 | 22° 1 | n.a. | T 24 |
| F 25 | 3 9 46 | 17°53'19 | 28° 2 | 5° 1 | 26°55 | 15°52 | 19° 8 | 10°21 | 2°46 | 24°52 | 23°19 | 1°42 | 1°18 | 22° 8 | n.a. | F 25 |
| S 26 | 3 13 43 | 18°54'37 | 12♑ 0 | 5°R 6 | 28° 8 | 16°29 | 19°19 | 10°18 | 2°48 | 24°54 | 23°19 | 1°34 | 1°14 | 22°14 | n.a. | S 26 |
| S 27 | 3 17 40 | 19°55'54 | 26° 2 | 5° 1 | 29°20 | 17° 7 | 19°29 | 10°15 | 2°49 | 24°56 | 23°20 | 1°30 | 1°11 | 22°21 | n.a. | S 27 |
| M28 | 3 21 36 | 20°57'11 | 10♒ 6 | 4°43 | 0♑32 | 17°45 | 19°40 | 10°12 | 2°51 | 24°59 | 23°20 | 1°28 | 1° 8 | 22°27 | n.a. | M28 |
| T 29 | 3 25 33 | 21°58'26 | 24°11 | 4°14 | 1°43 | 18°23 | 19°50 | 10° 8 | 2°52 | 25° 1 | 23°21 | 1°28 | 1° 5 | 22°34 | n.a. | T 29 |
| W30 | 3 29 29 | 22♏59'40 | 8♓15 | 3♐33 | 2♑55 | 19♍ 0 | 20♑ 1 | 10♈ 5 | 2♍53 | 25♎ 3 | 23♌21 | 1♓28 | 1♓ 2 | 22♌41 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s15 | 18s54 | 1s49 | 15s33 | 1s59 | 21s45 | 1s44 | 12n50 | 1n29 | 24s14 | 1s16 | 2n25 | 2s40 | 11n44 | 0n46 | 7s46 | 1n52 | 30n 2 | 16n57 | 10s14 | 10s46 | 16n23 | | n.a. |
| W 2 | 9 38 | 13 5 | 0 34 | 16 8 | 2 2 | 22 4 | 1 46 | 12 36 | 1 29 | 24 13 | 1 16 | 2 23 | 2 40 | 11 43 | 0 47 | 7 47 | 1 52 | 30 2 | 16 57 | 10 14 | 10 47 | 16 20 | | n.a. |
| T 3 | 10 1 | 6 31 | 0n43 | 16 42 | 2 5 | 22 22 | 1 48 | 12 23 | 1 29 | 24 12 | 1 16 | 2 21 | 2 40 | 11 42 | 0 47 | 7 48 | 1 52 | 30 2 | 16 58 | 10 14 | 10 48 | 16 17 | | n.a. |
| F 4 | 10 24 | 0n23 | 1 58 | 17 14 | 2 7 | 22 39 | 1 49 | 12 9 | 1 29 | 24 11 | 1 15 | 2 19 | 2 40 | 11 41 | 0 47 | 7 48 | 1 51 | 30 2 | 16 58 | 10 14 | 10 50 | 16 14 | | n.a. |
| S 5 | 10 46 | 7 14 | 3 5 | 17 45 | 2 9 | 22 55 | 1 51 | 11 55 | 1 30 | 24 10 | 1 15 | 2 18 | 2 39 | 11 40 | 0 47 | 7 49 | 1 51 | 30 2 | 16 59 | 10 16 | 10 51 | 16 11 | | n.a. |
| S 6 | 11 9 | 13 39 | 3 59 | 18 16 | 2 11 | 23 11 | 1 52 | 11 41 | 1 30 | 24 9 | 1 15 | 2 16 | 2 39 | 11 39 | 0 47 | 7 50 | 1 51 | 30 2 | 16 59 | 10 19 | 10 52 | 16 9 | | n.a. |
| M 7 | 11 31 | 19 16 | 4 38 | 18 45 | 2 12 | 23 27 | 1 54 | 11 27 | 1 30 | 24 8 | 1 15 | 2 14 | 2 39 | 11 39 | 0 47 | 7 51 | 1 51 | 30 2 | 17 0 | 10 22 | 10 53 | 16 6 | | n.a. |
| T 8 | 11 53 | 23 44 | 5 0 | 19 12 | 2 12 | 23 41 | 1 55 | 11 13 | 1 30 | 24 7 | 1 15 | 2 12 | 2 39 | 11 38 | 0 47 | 7 52 | 1 51 | 30 2 | 17 0 | 10 26 | 10 54 | 16 3 | | n.a. |
| W 9 | 12 15 | 26 49 | 5 4 | 19 39 | 2 12 | 23 55 | 1 56 | 10 59 | 1 30 | 24 6 | 1 15 | 2 11 | 2 39 | 11 37 | 0 47 | 7 53 | 1 51 | 30 2 | 17 1 | 10 30 | 10 55 | 16 0 | | n.a. |
| T 10 | 12 36 | 28 22 | 4 53 | 20 3 | 2 11 | 24 8 | 1 57 | 10 45 | 1 30 | 24 4 | 1 14 | 2 9 | 2 39 | 11 36 | 0 47 | 7 53 | 1 51 | 30 2 | 17 1 | 10 33 | 10 57 | 15 57 | | n.a. |
| F 11 | 12 58 | 28 21 | 4 27 | 20 26 | 2 10 | 24 21 | 1 58 | 10 30 | 1 30 | 24 3 | 1 14 | 2 8 | 2 38 | 11 35 | 0 47 | 7 54 | 1 52 | 30 2 | 17 2 | 10 36 | 10 58 | 15 54 | | n.a. |
| S 12 | 13 19 | 26 55 | 3 49 | 20 47 | 2 8 | 24 32 | 1 59 | 10 16 | 1 30 | 24 2 | 1 14 | 2 6 | 2 38 | 11 34 | 0 47 | 7 55 | 1 52 | 30 2 | 17 3 | 10 37 | 10 59 | 15 51 | | n.a. |
| S 13 | 13 40 | 24 15 | 3 2 | 21 7 | 2 5 | 24 43 | 2 0 | 10 2 | 1 31 | 24 1 | 1 14 | 2 4 | 2 38 | 11 34 | 0 47 | 7 56 | 1 52 | 30 2 | 17 3 | 10 38 | 11 0 | 15 48 | | n.a. |
| M14 | 14 0 | 20 35 | 2 7 | 21 24 | 2 2 | 24 54 | 2 1 | 9 47 | 1 31 | 23 59 | 1 14 | 2 3 | 2 38 | 11 33 | 0 47 | 7 57 | 1 52 | 30 2 | 17 4 | 10 38 | 11 1 | 15 45 | | n.a. |
| T 15 | 14 21 | 16 7 | 1 8 | 21 39 | 1 57 | 25 3 | 2 2 | 9 33 | 1 31 | 23 58 | 1 14 | 2 1 | 2 38 | 11 32 | 0 47 | 7 58 | 1 52 | 30 3 | 17 4 | 10 38 | 11 2 | 15 42 | | n.a. |
| W16 | 14 41 | 11 4 | 0 5 | 21 52 | 1 52 | 25 12 | 2 2 | 9 18 | 1 31 | 23 57 | 1 14 | 2 0 | 2 37 | 11 31 | 0 47 | 7 58 | 1 52 | 30 3 | 17 5 | 10 38 | 11 4 | 15 39 | | n.a. |
| T 17 | 15 1 | 5 35 | 0s58 | 22 3 | 1 46 | 25 20 | 2 3 | 9 3 | 1 31 | 23 55 | 1 13 | 1 58 | 2 37 | 11 31 | 0 47 | 7 59 | 1 52 | 30 3 | 17 5 | 10 38 | 11 5 | 15 36 | | n.a. |
| F 18 | 15 21 | 0s11 | 1 59 | 22 11 | 1 38 | 25 28 | 2 3 | 8 49 | 1 31 | 23 54 | 1 13 | 1 57 | 2 37 | 11 30 | 0 47 | 8 0 | 1 52 | 30 3 | 17 6 | 10 39 | 11 6 | 15 33 | | n.a. |
| S 19 | 15 40 | 6 2 | 2 56 | 22 16 | 1 30 | 25 34 | 2 4 | 8 34 | 1 31 | 23 52 | 1 13 | 1 56 | 2 37 | 11 29 | 0 47 | 8 1 | 1 52 | 30 3 | 17 7 | 10 41 | 11 7 | 15 30 | | n.a. |
| S 20 | 15 59 | 11 47 | 3 46 | 22 19 | 1 20 | 25 40 | 2 4 | 8 19 | 1 31 | 23 51 | 1 13 | 1 54 | 2 37 | 11 29 | 0 47 | 8 2 | 1 52 | 30 4 | 17 7 | 10 44 | 11 8 | 15 27 | | n.a. |
| M21 | 16 18 | 17 10 | 4 25 | 22 19 | 1 9 | 25 45 | 2 4 | 8 5 | 1 31 | 23 49 | 1 13 | 1 53 | 2 36 | 11 28 | 0 47 | 8 2 | 1 52 | 30 4 | 17 8 | 10 48 | 11 9 | 15 24 | | n.a. |
| T 22 | 16 37 | 21 53 | 4 51 | 22 15 | 0 57 | 25 49 | 2 4 | 7 50 | 1 31 | 23 48 | 1 13 | 1 52 | 2 36 | 11 27 | 0 47 | 8 3 | 1 52 | 30 4 | 17 8 | 10 52 | 11 10 | 15 21 | | n.a. |
| W23 | 16 55 | 25 33 | 5 1 | 22 9 | 0 44 | 25 53 | 2 4 | 7 35 | 1 32 | 23 46 | 1 13 | 1 51 | 2 36 | 11 27 | 0 47 | 8 4 | 1 52 | 30 5 | 17 9 | 10 57 | 11 12 | 15 18 | | n.a. |
| T 24 | 17 13 | 27 50 | 4 54 | 22 0 | 0 29 | 25 55 | 2 4 | 7 20 | 1 32 | 23 45 | 1 13 | 1 49 | 2 36 | 11 26 | 0 47 | 8 5 | 1 52 | 30 5 | 17 9 | 11 2 | 11 13 | 15 15 | | n.a. |
| F 25 | 17 30 | 28 25 | 4 30 | 21 47 | 0 13 | 25 57 | 2 4 | 7 5 | 1 32 | 23 43 | 1 12 | 1 48 | 2 35 | 11 26 | 0 47 | 8 6 | 1 52 | 30 5 | 17 10 | 11 5 | 11 14 | 15 12 | | n.a. |
| S 26 | 17 48 | 27 11 | 3 50 | 21 31 | 0n 4 | 25 58 | 2 4 | 6 50 | 1 32 | 23 42 | 1 12 | 1 47 | 2 35 | 11 25 | 0 47 | 8 6 | 1 52 | 30 6 | 17 11 | 11 8 | 11 15 | 15 8 | | n.a. |
| S 27 | 18 5 | 24 14 | 2 56 | 21 13 | 0 22 | 25 59 | 2 3 | 6 35 | 1 32 | 23 40 | 1 12 | 1 46 | 2 35 | 11 25 | 0 47 | 8 7 | 1 52 | 30 6 | 17 11 | 11 9 | 11 16 | 15 5 | | n.a. |
| M28 | 18 21 | 19 50 | 1 50 | 20 51 | 0 41 | 25 58 | 2 3 | 6 20 | 1 32 | 23 38 | 1 12 | 1 45 | 2 35 | 11 24 | 0 48 | 8 8 | 1 52 | 30 6 | 17 12 | 11 10 | 11 17 | 15 2 | | n.a. |
| T 29 | 18 38 | 14 20 | 0 38 | 20 26 | 1 0 | 25 57 | 2 2 | 6 5 | 1 32 | 23 37 | 1 12 | 1 44 | 2 34 | 11 24 | 0 48 | 8 9 | 1 52 | 30 7 | 17 12 | 11 10 | 11 19 | 14 59 | | n.a. |
| W30 | 18s54 | 8s 5 | 0n36 | 19s59 | 1n20 | 25s55 | 2s 2 | 5n50 | 1n32 | 23s35 | 1s12 | 1n43 | 2s34 | 11n23 | 0n48 | 8s 9 | 1n52 | 30n 7 | 17n13 | 11s10 | 11s20 | 14n56 | | n.a. |

Julian Day Number = 999628.5, Delta T = 12h52m45s
Ecliptic obliquity = 23°55'27, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'09, Lahiri = -31°12'08 Julian Calendar 1 Nov. 1977 BCE == Greg. Calendar 15 Oct. 1977 BCE


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# ASTRODIENST EPHEMERIS for the year 1977 BCE
# geocentric

## DECEMBER 1977 BCE (-1976) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 33 26 | 24♏ 0'53 | 22♓18 | 2°R42 | 4♑ 7 | 19♍38 | 20♑12 | 10°R 3 | 2♍55 | 25♎ 5 | 23♌22 | 1°R26 | 0♓59 | 22♌47 | n.a. | T 1 |
| F 2 | 3 37 22 | 25° 2'05 | 6♈20 | 1♐42 | 5°19 | 20°16 | 20°23 | 10♈ 0 | 2°56 | 25° 7 | 23°22 | 1♓23 | 0°55 | 22°54 | n.a. | F 2 |
| S 3 | 3 41 19 | 26° 3'17 | 20°18 | 0°33 | 6°30 | 20°53 | 20°34 | 9°57 | 2°57 | 25° 9 | 23°22 | 1°16 | 0°52 | 23° 1 | n.a. | S 3 |
| S 4 | 3 45 15 | 27° 4'27 | 4♉ 8 | 29♏20 | 7°42 | 21°31 | 20°45 | 9°55 | 2°58 | 25°11 | 23°23 | 1° 7 | 0°49 | 23° 7 | n.a. | S 4 |
| M 5 | 3 49 12 | 28° 5'36 | 17°49 | 28° 3 | 8°53 | 22° 8 | 20°57 | 9°52 | 2°59 | 25°13 | 23°23 | 0°55 | 0°46 | 23°14 | n.a. | M 5 |
| T 6 | 3 53 9 | 29° 6'44 | 1♊16 | 26°45 | 10° 4 | 22°46 | 21° 8 | 9°50 | 3° 1 | 25°15 | 23°23 | 0°42 | 0°43 | 23°21 | n.a. | T 6 |
| W 7 | 3 57 5 | 0♐ 7'52 | 14°27 | 25°29 | 11°15 | 23°24 | 21°19 | 9°47 | 3° 2 | 25°17 | 23°24 | 0°28 | 0°40 | 23°27 | n.a. | W 7 |
| T 8 | 4 1 2 | 1° 8'59 | 27°20 | 24°17 | 12°26 | 24° 1 | 21°31 | 9°45 | 3° 2 | 25°19 | 23°24 | 0°16 | 0°36 | 23°34 | n.a. | T 8 |
| F 9 | 4 4 58 | 2°10'04 | 9♋54 | 23°10 | 13°37 | 24°39 | 21°43 | 9°43 | 3° 3 | 25°21 | 23°24 | 0° 5 | 0°33 | 23°41 | n.a. | F 9 |
| S 10 | 4 8 55 | 3°11'09 | 22°11 | 22°10 | 14°48 | 25°16 | 21°54 | 9°41 | 3° 4 | 25°23 | 23°24 | 29♒58 | 0°30 | 23°47 | n.a. | S 10 |
| S 11 | 4 12 51 | 4°12'13 | 4♌15 | 21°18 | 15°58 | 25°54 | 22° 6 | 9°39 | 3° 5 | 25°24 | 23°24 | 29°53 | 0°27 | 23°54 | n.a. | S 11 |
| M12 | 4 16 48 | 5°13'16 | 16° 8 | 20°35 | 17° 9 | 26°31 | 22°18 | 9°38 | 3° 6 | 25°26 | 23°R24 | 29°51 | 0°24 | 24° 1 | n.a. | M12 |
| T 13 | 4 20 45 | 6°14'18 | 27°56 | 20° 0 | 18°19 | 27° 8 | 22°30 | 9°36 | 3° 6 | 25°28 | 23°24 | 29°D50 | 0°20 | 24° 7 | n.a. | T 13 |
| W14 | 4 24 41 | 7°15'19 | 9♍44 | 19°35 | 19°30 | 27°46 | 22°42 | 9°35 | 3° 7 | 25°30 | 23°24 | 29°R50 | 0°17 | 24°14 | n.a. | W14 |
| T 15 | 4 28 38 | 8°16'19 | 21°38 | 19°18 | 20°40 | 28°23 | 22°55 | 9°33 | 3° 7 | 25°32 | 23°24 | 29°50 | 0°14 | 24°20 | n.a. | T 15 |
| F 16 | 4 32 34 | 9°17'18 | 3♎43 | 19°10 | 21°50 | 29° 1 | 23° 7 | 9°32 | 3° 8 | 25°34 | 23°24 | 29°47 | 0°11 | 24°27 | n.a. | F 16 |
| S 17 | 4 36 31 | 10°18'16 | 16° 5 | 19°D 9 | 23° 0 | 29°38 | 23°19 | 9°31 | 3° 8 | 25°35 | 23°24 | 29°43 | 0° 8 | 24°34 | n.a. | S 17 |
| S 18 | 4 40 27 | 11°19'13 | 28°47 | 19°16 | 24° 9 | 0♎15 | 23°32 | 9°30 | 3° 9 | 25°37 | 23°23 | 29°35 | 0° 5 | 24°40 | n.a. | S 18 |
| M19 | 4 44 24 | 12°20'09 | 11♏51 | 19°31 | 25°19 | 0°53 | 23°44 | 9°29 | 3° 9 | 25°39 | 23°23 | 29°25 | 0° 1 | 24°47 | n.a. | M19 |
| T 20 | 4 48 20 | 13°21'04 | 25°19 | 19°51 | 26°29 | 1°30 | 23°57 | 9°28 | 3° 9 | 25°40 | 23°23 | 29°13 | 29♒58 | 24°54 | n.a. | T 20 |
| W21 | 4 52 17 | 14°21'57 | 9♐ 9 | 20°18 | 27°38 | 2° 7 | 24° 9 | 9°27 | 3° 9 | 25°42 | 23°23 | 29° 1 | 29°55 | 25° 0 | n.a. | W21 |
| T 22 | 4 56 14 | 15°22'49 | 23°16 | 20°50 | 28°47 | 2°44 | 24°22 | 9°26 | 3°10 | 25°44 | 23°22 | 28°49 | 29°52 | 25° 7 | n.a. | T 22 |
| F 23 | 5 0 10 | 16°23'40 | 7♑36 | 21°26 | 29°56 | 3°21 | 24°35 | 9°26 | 3°10 | 25°45 | 23°22 | 28°39 | 29°49 | 25°14 | n.a. | F 23 |
| S 24 | 5 4 7 | 17°24'28 | 22° 2 | 22° 8 | 1♒ 5 | 3°58 | 24°48 | 9°26 | 3°R10 | 25°47 | 23°22 | 28°32 | 29°46 | 25°20 | n.a. | S 24 |
| S 25 | 5 8 3 | 18°25'16 | 6♒29 | 22°53 | 2°13 | 4°35 | 25° 1 | 9°25 | 3°10 | 25°48 | 23°21 | 28°27 | 29°42 | 25°27 | n.a. | S 25 |
| M26 | 5 12 0 | 19°26'01 | 20°51 | 23°43 | 3°22 | 5°12 | 25°14 | 9°25 | 3°10 | 25°50 | 23°21 | 28°26 | 29°39 | 25°34 | n.a. | M26 |
| T 27 | 5 15 56 | 20°26'44 | 5♓ 5 | 24°35 | 4°30 | 5°49 | 25°27 | 9°D25 | 3° 9 | 25°52 | 23°20 | 28°D26 | 29°36 | 25°40 | n.a. | T 27 |
| W28 | 5 19 53 | 21°27'25 | 19°11 | 25°31 | 5°38 | 6°26 | 25°40 | 9°25 | 3° 9 | 25°53 | 23°20 | 28°R26 | 29°33 | 25°47 | n.a. | W28 |
| T 29 | 5 23 50 | 22°28'04 | 3♈ 7 | 26°30 | 6°46 | 7° 3 | 25°53 | 9°25 | 3° 9 | 25°54 | 23°19 | 28°25 | 29°30 | 25°54 | n.a. | T 29 |
| F 30 | 5 27 46 | 23°28'42 | 16°53 | 27°32 | 7°54 | 7°40 | 26° 6 | 9°26 | 3° 9 | 25°56 | 23°19 | 28°23 | 29°26 | 26° 0 | n.a. | F 30 |
| S 31 | 5 31 43 | 24♐29'17 | 0♉29 | 28♏36 | 9♒ 1 | 8♎17 | 26♑20 | 9♈26 | 3♍ 8 | 25♎57 | 23♌18 | 28♒18 | 29♒23 | 26♌ 7 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 19s 9 | 1s28 | 1n48 | 19s30 | 1n39 | 25s52 | 2s 1 | 5n35 | 1n32 | 23s33 | 1s12 | 1n42 | 2s34 | 11n23 | 0n48 | 8s10 | 1n52 | 30n 7 | 17n14 | 11s11 | 11s21 | 14n53 | | | n.a. |
| F 2 | 19 25 | 5n12 | 2 53 | 18 59 | 1 58 | 25 49 | 2 0 | 5 20 | 1 32 | 23 31 | 1 12 | 1 41 | 2 34 | 11 22 | 0 48 | 8 11 | 1 52 | 30 8 | 17 14 | 11 12 | 11 22 | 14 50 | | | n.a. |
| S 3 | 19 39 | 11 35 | 3 47 | 18 27 | 2 17 | 25 45 | 1 59 | 5 5 | 1 32 | 23 30 | 1 12 | 1 41 | 2 33 | 11 22 | 0 48 | 8 12 | 1 52 | 30 8 | 17 15 | 11 14 | 11 23 | 14 47 | | | n.a. |
| S 4 | 19 54 | 17 20 | 4 28 | 17 55 | 2 33 | 25 40 | 1 58 | 4 50 | 1 32 | 23 28 | 1 11 | 1 40 | 2 33 | 11 22 | 0 48 | 8 12 | 1 52 | 30 9 | 17 15 | 11 18 | 11 24 | 14 44 | | | n.a. |
| M 5 | 20 8 | 22 9 | 4 52 | 17 24 | 2 48 | 25 34 | 1 57 | 4 35 | 1 32 | 23 26 | 1 11 | 1 39 | 2 33 | 11 21 | 0 48 | 8 13 | 1 52 | 30 9 | 17 16 | 11 22 | 11 25 | 14 41 | | | n.a. |
| T 6 | 20 22 | 25 43 | 5 0 | 16 53 | 3 1 | 25 27 | 1 56 | 4 20 | 1 32 | 23 24 | 1 11 | 1 38 | 2 33 | 11 21 | 0 48 | 8 14 | 1 52 | 30 10 | 17 17 | 11 27 | 11 27 | 14 38 | | | n.a. |
| W 7 | 20 35 | 27 49 | 4 51 | 16 25 | 3 12 | 25 20 | 1 54 | 4 5 | 1 32 | 23 22 | 1 11 | 1 38 | 2 32 | 11 21 | 0 48 | 8 14 | 1 52 | 30 10 | 17 17 | 11 32 | 11 28 | 14 35 | | | n.a. |
| T 8 | 20 48 | 28 21 | 4 28 | 16 0 | 3 20 | 25 12 | 1 53 | 3 50 | 1 32 | 23 20 | 1 11 | 1 37 | 2 32 | 11 20 | 0 48 | 8 15 | 1 52 | 30 11 | 17 18 | 11 36 | 11 29 | 14 32 | | | n.a. |
| F 9 | 21 1 | 27 24 | 3 51 | 15 37 | 3 26 | 25 3 | 1 51 | 3 34 | 1 32 | 23 18 | 1 11 | 1 37 | 2 32 | 11 20 | 0 48 | 8 16 | 1 52 | 30 11 | 17 18 | 11 40 | 11 30 | 14 29 | | | n.a. |
| S 10 | 21 13 | 25 6 | 3 5 | 15 19 | 3 29 | 24 54 | 1 50 | 3 19 | 1 32 | 23 16 | 1 11 | 1 36 | 2 31 | 11 20 | 0 48 | 8 16 | 1 52 | 30 12 | 17 19 | 11 43 | 11 31 | 14 26 | | | n.a. |
| S 11 | 21 25 | 21 42 | 2 11 | 15 4 | 3 31 | 24 44 | 1 48 | 3 4 | 1 32 | 23 14 | 1 11 | 1 36 | 2 31 | 11 19 | 0 48 | 8 17 | 1 52 | 30 12 | 17 20 | 11 44 | 11 32 | 14 23 | | | n.a. |
| M12 | 21 36 | 17 28 | 1 12 | 14 53 | 3 30 | 24 33 | 1 46 | 2 49 | 1 32 | 23 12 | 1 11 | 1 35 | 2 31 | 11 19 | 0 48 | 8 18 | 1 52 | 30 13 | 17 20 | 11 45 | 11 33 | 14 20 | | | n.a. |
| T 13 | 21 47 | 12 36 | 0 10 | 14 46 | 3 28 | 24 21 | 1 44 | 2 34 | 1 32 | 23 10 | 1 11 | 1 35 | 2 30 | 11 19 | 0 48 | 8 18 | 1 52 | 30 13 | 17 21 | 11 45 | 11 35 | 14 17 | | | n.a. |
| W14 | 21 58 | 7 16 | 0s52 | 14 43 | 3 24 | 24 9 | 1 42 | 2 18 | 1 32 | 23 8 | 1 11 | 1 34 | 2 30 | 11 19 | 0 48 | 8 19 | 1 52 | 30 14 | 17 21 | 11 45 | 11 36 | 14 13 | | | n.a. |
| T 15 | 22 8 | 1 40 | 1 53 | 14 43 | 3 19 | 23 56 | 1 40 | 2 3 | 1 32 | 23 5 | 1 10 | 1 34 | 2 30 | 11 19 | 0 48 | 8 20 | 1 52 | 30 14 | 17 22 | 11 46 | 11 37 | 14 10 | | | n.a. |
| F 16 | 22 17 | 4s 5 | 2 49 | 14 47 | 3 13 | 23 43 | 1 37 | 1 48 | 1 32 | 23 3 | 1 10 | 1 34 | 2 30 | 11 19 | 0 48 | 8 20 | 1 52 | 30 15 | 17 23 | 11 46 | 11 38 | 14 7 | | | n.a. |
| S 17 | 22 27 | 9 48 | 3 39 | 14 54 | 3 6 | 23 29 | 1 35 | 1 33 | 1 32 | 23 1 | 1 10 | 1 34 | 2 29 | 11 18 | 0 48 | 8 21 | 1 52 | 30 15 | 17 23 | 11 48 | 11 39 | 14 4 | | | n.a. |
| S 18 | 22 35 | 15 17 | 4 19 | 15 3 | 2 58 | 23 14 | 1 32 | 1 18 | 1 32 | 22 59 | 1 10 | 1 34 | 2 29 | 11 18 | 0 48 | 8 22 | 1 52 | 30 16 | 17 24 | 11 51 | 11 40 | 14 1 | | | n.a. |
| M19 | 22 44 | 20 14 | 4 47 | 15 15 | 2 49 | 22 58 | 1 30 | 1 2 | 1 32 | 22 57 | 1 10 | 1 33 | 2 29 | 11 18 | 0 48 | 8 22 | 1 52 | 30 17 | 17 24 | 11 54 | 11 41 | 13 58 | | | n.a. |
| T 20 | 22 52 | 24 20 | 5 0 | 15 29 | 2 40 | 22 42 | 1 27 | 0 47 | 1 32 | 22 54 | 1 10 | 1 33 | 2 28 | 11 18 | 0 48 | 8 23 | 1 52 | 30 17 | 17 25 | 11 59 | 11 43 | 13 55 | | | n.a. |
| W21 | 22 59 | 27 9 | 4 57 | 15 45 | 2 31 | 22 26 | 1 24 | 0 32 | 1 31 | 22 52 | 1 10 | 1 33 | 2 28 | 11 18 | 0 49 | 8 23 | 1 52 | 30 18 | 17 25 | 12 3 | 11 44 | 13 52 | | | n.a. |
| T 22 | 23 6 | 28 19 | 4 35 | 16 3 | 2 21 | 22 9 | 1 21 | 0 17 | 1 31 | 22 50 | 1 10 | 1 33 | 2 28 | 11 18 | 0 49 | 8 24 | 1 52 | 30 19 | 17 26 | 12 7 | 11 45 | 13 49 | | | n.a. |
| F 23 | 23 13 | 27 37 | 3 55 | 16 22 | 2 12 | 21 51 | 1 18 | 0 2 | 1 31 | 22 47 | 1 10 | 1 34 | 2 27 | 11 18 | 0 49 | 8 24 | 1 53 | 30 19 | 17 27 | 12 11 | 11 46 | 13 46 | | | n.a. |
| S 24 | 23 19 | 25 3 | 3 0 | 16 43 | 2 2 | 21 32 | 1 15 | 0s13 | 1 31 | 22 45 | 1 10 | 1 34 | 2 27 | 11 18 | 0 49 | 8 25 | 1 53 | 30 20 | 17 27 | 12 13 | 11 47 | 13 42 | | | n.a. |
| S 25 | 23 24 | 20 52 | 1 54 | 17 4 | 1 52 | 21 14 | 1 12 | 0 28 | 1 31 | 22 42 | 1 10 | 1 34 | 2 27 | 11 18 | 0 49 | 8 25 | 1 53 | 30 21 | 17 28 | 12 15 | 11 48 | 13 39 | | | n.a. |
| M26 | 23 30 | 15 28 | 0 40 | 17 26 | 1 42 | 20 54 | 1 8 | 0 43 | 1 31 | 22 40 | 1 10 | 1 34 | 2 26 | 11 18 | 0 49 | 8 26 | 1 53 | 30 21 | 17 28 | 12 16 | 11 49 | 13 36 | | | n.a. |
| T 27 | 23 34 | 9 17 | 0n35 | 17 49 | 1 32 | 20 34 | 1 5 | 0 58 | 1 31 | 22 37 | 1 10 | 1 34 | 2 26 | 11 18 | 0 49 | 8 27 | 1 53 | 30 22 | 17 29 | 12 16 | 11 50 | 13 33 | | | n.a. |
| W28 | 23 38 | 2 43 | 1 48 | 18 12 | 1 22 | 20 14 | 1 1 | 1 13 | 1 31 | 22 35 | 1 10 | 1 35 | 2 26 | 11 18 | 0 49 | 8 27 | 1 53 | 30 23 | 17 29 | 12 15 | 11 52 | 13 30 | | | n.a. |
| T 29 | 23 42 | 3n54 | 2 54 | 18 36 | 1 12 | 19 53 | 0 58 | 1 28 | 1 30 | 22 32 | 1 10 | 1 35 | 2 25 | 11 19 | 0 49 | 8 28 | 1 53 | 30 23 | 17 30 | 12 16 | 11 53 | 13 27 | | | n.a. |
| F 30 | 23 46 | 10 16 | 3 48 | 19 0 | 1 2 | 19 32 | 0 54 | 1 43 | 1 30 | 22 30 | 1 10 | 1 36 | 2 25 | 11 19 | 0 49 | 8 28 | 1 53 | 30 24 | 17 30 | 12 16 | 11 54 | 13 24 | | | n.a. |
| S 31 | 23s48 | 16n 3 | 4n29 | 19s23 | 0n53 | 19s10 | 0s50 | 1s58 | 1n30 | 22s27 | 1s 9 | 1n36 | 2s25 | 11n19 | 0n49 | 8s28 | 1n53 | 30n25 | 17n31 | 12s18 | 11s55 | 13n21 | | | n.a. |

Julian Day Number = 999658.5, Delta T = 12h52m43s
Ecliptic obliquity = 23°55'26, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'05, Lahiri = -31°12'04 Julian Calendar 1 Dec. 1977 BCE == Greg. Calendar 14 Nov. 1977 BCE


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## JANUARY 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 35 39 | 25♐29'50 | 13♉55 | 29♏42 | 10♒ 9 | 8♎54 | 26♑33 | 9♈27 | 3°R 8 | 25♎59 | 23°R17 | 28°R11 | 29♒20 | 26♌13 | n.a. | S 1 |
| M 2 | 5 39 36 | 26°30'22 | 27°10 | 0♐51 | 11°16 | 9°30 | 26°46 | 9°27 | 3♍ 8 | 26° 0 | 23♌17 | 28♒ 1 | 29°17 | 26°20 | n.a. | M 2 |
| T 3 | 5 43 32 | 27°30'51 | 10♊13 | 2° 1 | 12°22 | 10° 7 | 27° 0 | 9°28 | 3° 7 | 26° 1 | 23°16 | 27°50 | 29°14 | 26°27 | n.a. | T 3 |
| W 4 | 5 47 29 | 28°31'19 | 23° 3 | 3°13 | 13°29 | 10°44 | 27°13 | 9°29 | 3° 6 | 26° 3 | 23°15 | 27°39 | 29°11 | 26°33 | n.a. | W 4 |
| T 5 | 5 51 25 | 29°31'45 | 5♋40 | 4°27 | 14°35 | 11°20 | 27°27 | 9°30 | 3° 6 | 26° 4 | 23°14 | 27°28 | 29° 7 | 26°40 | n.a. | T 5 |
| F 6 | 5 55 22 | 0♑32'09 | 18° 2 | 5°43 | 15°41 | 11°57 | 27°40 | 9°31 | 3° 5 | 26° 5 | 23°14 | 27°20 | 29° 4 | 26°47 | n.a. | F 6 |
| S 7 | 5 59 19 | 1°32'31 | 0♌13 | 7° 0 | 16°47 | 12°33 | 27°54 | 9°32 | 3° 4 | 26° 6 | 23°13 | 27°14 | 29° 1 | 26°53 | n.a. | S 7 |
| S 8 | 6 3 15 | 2°32'51 | 12°12 | 8°19 | 17°53 | 13°10 | 28° 8 | 9°34 | 3° 4 | 26° 8 | 23°12 | 27°10 | 28°58 | 27° 0 | n.a. | S 8 |
| M 9 | 6 7 12 | 3°33'10 | 24° 4 | 9°39 | 18°58 | 13°46 | 28°21 | 9°35 | 3° 3 | 26° 9 | 23°11 | 27°D 9 | 28°55 | 27° 7 | n.a. | M 9 |
| T 10 | 6 11 8 | 4°33'27 | 5♍51 | 11° 1 | 20° 3 | 14°23 | 28°35 | 9°37 | 3° 2 | 26°10 | 23°10 | 27° 9 | 28°52 | 27°13 | n.a. | T 10 |
| W11 | 6 15 5 | 5°33'42 | 17°39 | 12°24 | 21° 8 | 14°59 | 28°49 | 9°38 | 3° 1 | 26°11 | 23° 9 | 27°10 | 28°48 | 27°20 | n.a. | W11 |
| T 12 | 6 19 1 | 6°33'55 | 29°32 | 13°48 | 22°12 | 15°35 | 29° 3 | 9°40 | 3° 0 | 26°12 | 23° 8 | 27°11 | 28°45 | 27°27 | n.a. | T 12 |
| F 13 | 6 22 58 | 7°34'07 | 11♎36 | 15°13 | 23°16 | 16°12 | 29°17 | 9°42 | 2°59 | 26°13 | 23° 7 | 27°R12 | 28°42 | 27°33 | n.a. | F 13 |
| S 14 | 6 26 54 | 8°34'16 | 23°56 | 16°40 | 24°20 | 16°48 | 29°31 | 9°44 | 2°58 | 26°14 | 23° 6 | 27°10 | 28°39 | 27°40 | n.a. | S 14 |
| S 15 | 6 30 51 | 9°34'25 | 6♏38 | 18° 8 | 25°24 | 17°24 | 29°45 | 9°46 | 2°57 | 26°15 | 23° 5 | 27° 7 | 28°36 | 27°47 | n.a. | S 15 |
| M16 | 6 34 48 | 10°34'31 | 19°43 | 19°37 | 26°27 | 18° 0 | 29°59 | 9°48 | 2°56 | 26°16 | 23° 4 | 27° 1 | 28°32 | 27°53 | n.a. | M16 |
| T 17 | 6 38 44 | 11°34'36 | 3♐15 | 21° 7 | 27°30 | 18°36 | 0♒13 | 9°51 | 2°54 | 26°17 | 23° 3 | 26°55 | 28°29 | 28° 0 | n.a. | T 17 |
| W18 | 6 42 41 | 12°34'38 | 17°13 | 22°38 | 28°32 | 19°12 | 0°27 | 9°53 | 2°53 | 26°18 | 23° 2 | 26°47 | 28°26 | 28° 6 | n.a. | W18 |
| T 19 | 6 46 37 | 13°34'39 | 1♑35 | 24°11 | 29°35 | 19°48 | 0°41 | 9°56 | 2°52 | 26°19 | 23° 0 | 26°40 | 28°23 | 28°13 | n.a. | T 19 |
| F 20 | 6 50 34 | 14°34'38 | 16°14 | 25°44 | 0♓36 | 20°24 | 0°55 | 9°58 | 2°50 | 26°19 | 22°59 | 26°34 | 28°20 | 28°20 | n.a. | F 20 |
| S 21 | 6 54 30 | 15°34'35 | 1♒ 4 | 27°19 | 1°38 | 20°59 | 1° 9 | 10° 1 | 2°49 | 26°20 | 22°58 | 26°30 | 28°17 | 28°26 | n.a. | S 21 |
| S 22 | 6 58 27 | 16°34'29 | 15°56 | 28°55 | 2°39 | 21°35 | 1°23 | 10° 4 | 2°47 | 26°21 | 22°57 | 26°27 | 28°13 | 28°33 | n.a. | S 22 |
| M23 | 7 2 23 | 17°34'21 | 0♓43 | 0♑32 | 3°39 | 22°11 | 1°37 | 10° 7 | 2°46 | 26°22 | 22°56 | 26°D27 | 28°10 | 28°40 | n.a. | M23 |
| T 24 | 7 6 20 | 18°34'11 | 15°19 | 2°10 | 4°40 | 22°46 | 1°52 | 10°10 | 2°44 | 26°22 | 22°54 | 26°28 | 28° 7 | 28°46 | n.a. | T 24 |
| W25 | 7 10 17 | 19°33'58 | 29°39 | 3°49 | 5°39 | 23°22 | 2° 6 | 10°13 | 2°43 | 26°23 | 22°53 | 26°30 | 28° 4 | 28°53 | n.a. | W25 |
| T 26 | 7 14 13 | 20°33'42 | 13♈42 | 5°30 | 6°39 | 23°57 | 2°20 | 10°17 | 2°41 | 26°23 | 22°52 | 26°31 | 28° 1 | 29° 0 | n.a. | T 26 |
| F 27 | 7 18 10 | 21°33'24 | 27°26 | 7°11 | 7°37 | 24°32 | 2°34 | 10°20 | 2°39 | 26°24 | 22°50 | 26°R31 | 27°58 | 29° 6 | n.a. | F 27 |
| S 28 | 7 22 6 | 22°33'04 | 10♉54 | 8°54 | 8°36 | 25° 7 | 2°49 | 10°23 | 2°38 | 26°25 | 22°49 | 26°29 | 27°54 | 29°13 | n.a. | S 28 |
| S 29 | 7 26 3 | 23°32'41 | 24° 4 | 10°38 | 9°34 | 25°43 | 3° 3 | 10°27 | 2°36 | 26°25 | 22°47 | 26°26 | 27°51 | 29°20 | n.a. | S 29 |
| M30 | 7 29 59 | 24°32'16 | 7♊ 1 | 12°23 | 10°31 | 26°18 | 3°17 | 10°31 | 2°34 | 26°26 | 22°46 | 26°22 | 27°48 | 29°26 | n.a. | M30 |
| T 31 | 7 33 56 | 25♑31'49 | 19♊43 | 14♑ 9 | 11♓28 | 26♎53 | 3♒32 | 10♈34 | 2♏32 | 26♎26 | 22♌45 | 26♒17 | 27♒45 | 29♌33 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 23s51 | 21n 0 | 4n54 | 19s47 | 0n43 | 18s48 | 0s46 | 2s13 | 1n30 | 22s24 | 1s 9 | 1n37 | 2s24 | 11n19 | 0n49 | 8s29 | 1n53 | 30n25 | 17n31 | 12s21 | 11s56 | 13n18 | | | n.a. |
| M 2 | 23 53 | 24 50 | 5 4 | 20 11 | 0 34 | 18 25 | 0 42 | 2 28 | 1 30 | 22 22 | 1 9 | 1 37 | 2 24 | 11 19 | 0 49 | 8 29 | 1 53 | 30 26 | 17 32 | 12 24 | 11 57 | 13 14 | | | n.a. |
| T 3 | 23 54 | 27 19 | 4 57 | 20 35 | 0 25 | 18 2 | 0 38 | 2 43 | 1 30 | 22 19 | 1 9 | 1 38 | 2 24 | 11 20 | 0 49 | 8 30 | 1 53 | 30 27 | 17 33 | 12 28 | 11 58 | 13 11 | | | n.a. |
| W 4 | 23 55 | 28 19 | 4 35 | 20 58 | 0 16 | 17 39 | 0 33 | 2 58 | 1 29 | 22 16 | 1 9 | 1 38 | 2 24 | 11 20 | 0 49 | 8 30 | 1 53 | 30 28 | 17 33 | 12 32 | 12 0 | 13 8 | | | n.a. |
| T 5 | 23 55 | 27 47 | 4 0 | 21 21 | 0 7 | 17 15 | 0 29 | 3 13 | 1 29 | 22 13 | 1 9 | 1 39 | 2 23 | 11 20 | 0 49 | 8 31 | 1 53 | 30 28 | 17 34 | 12 36 | 12 1 | 13 5 | | | n.a. |
| F 6 | 23 55 | 25 53 | 3 14 | 21 43 | 0s 1 | 16 51 | 0 24 | 3 27 | 1 29 | 22 11 | 1 9 | 1 40 | 2 23 | 11 20 | 0 49 | 8 31 | 1 53 | 30 29 | 17 34 | 12 39 | 12 2 | 13 2 | | | n.a. |
| S 7 | 23 55 | 22 47 | 2 19 | 22 5 | 0 10 | 16 26 | 0 20 | 3 42 | 1 29 | 22 8 | 1 9 | 1 41 | 2 23 | 11 21 | 0 49 | 8 32 | 1 53 | 30 30 | 17 35 | 12 41 | 12 3 | 12 59 | | | n.a. |
| S 8 | 23 54 | 18 45 | 1 19 | 22 26 | 0 18 | 16 1 | 0 15 | 3 57 | 1 28 | 22 5 | 1 9 | 1 41 | 2 22 | 11 21 | 0 49 | 8 32 | 1 53 | 30 31 | 17 35 | 12 42 | 12 4 | 12 56 | | | n.a. |
| M 9 | 23 52 | 14 2 | 0 17 | 22 46 | 0 26 | 15 36 | 0 10 | 4 11 | 1 28 | 22 2 | 1 9 | 1 42 | 2 22 | 11 21 | 0 49 | 8 32 | 1 53 | 30 32 | 17 36 | 12 43 | 12 5 | 12 52 | | | n.a. |
| T 10 | 23 51 | 8 50 | 0s47 | 23 6 | 0 33 | 15 11 | 0 6 | 4 26 | 1 28 | 21 59 | 1 9 | 1 43 | 2 22 | 11 22 | 0 49 | 8 33 | 1 53 | 30 32 | 17 36 | 12 42 | 12 6 | 12 49 | | | n.a. |
| W11 | 23 48 | 3 19 | 1 48 | 23 25 | 0 41 | 14 45 | 0 1 | 4 41 | 1 28 | 21 56 | 1 9 | 1 44 | 2 21 | 11 22 | 0 49 | 8 33 | 1 53 | 30 33 | 17 36 | 12 42 | 12 7 | 12 46 | | | n.a. |
| T 12 | 23 45 | 2s20 | 2 46 | 23 43 | 0 48 | 14 19 | 0n 4 | 4 55 | 1 27 | 21 53 | 1 9 | 1 45 | 2 21 | 11 23 | 0 49 | 8 33 | 1 54 | 30 34 | 17 37 | 12 42 | 12 9 | 12 43 | | | n.a. |
| F 13 | 23 42 | 7 59 | 3 37 | 24 0 | 0 55 | 13 53 | 0 10 | 5 10 | 1 27 | 21 50 | 1 9 | 1 46 | 2 21 | 11 23 | 0 49 | 8 34 | 1 54 | 30 35 | 17 37 | 12 42 | 12 10 | 12 40 | | | n.a. |
| S 14 | 23 38 | 13 28 | 4 19 | 24 16 | 1 2 | 13 27 | 0 15 | 5 24 | 1 27 | 21 47 | 1 9 | 1 47 | 2 20 | 11 23 | 0 50 | 8 34 | 1 54 | 30 35 | 17 38 | 12 42 | 12 11 | 12 37 | | | n.a. |
| S 15 | 23 34 | 18 32 | 4 49 | 24 30 | 1 8 | 13 0 | 0 20 | 5 38 | 1 26 | 21 44 | 1 9 | 1 48 | 2 20 | 11 24 | 0 50 | 8 34 | 1 54 | 30 36 | 17 38 | 12 43 | 12 12 | 12 33 | | | n.a. |
| M16 | 23 30 | 22 55 | 5 6 | 24 44 | 1 14 | 12 33 | 0 26 | 5 53 | 1 26 | 21 41 | 1 9 | 1 50 | 2 20 | 11 24 | 0 50 | 8 35 | 1 54 | 30 37 | 17 39 | 12 45 | 12 13 | 12 30 | | | n.a. |
| T 17 | 23 24 | 26 14 | 5 7 | 24 57 | 1 20 | 12 6 | 0 31 | 6 7 | 1 26 | 21 38 | 1 9 | 1 51 | 2 19 | 11 25 | 0 50 | 8 35 | 1 54 | 30 38 | 17 39 | 12 47 | 12 14 | 12 27 | | | n.a. |
| W18 | 23 19 | 28 6 | 4 49 | 25 8 | 1 25 | 11 39 | 0 37 | 6 21 | 1 25 | 21 35 | 1 9 | 1 52 | 2 19 | 11 25 | 0 50 | 8 35 | 1 54 | 30 39 | 17 40 | 12 50 | 12 15 | 12 24 | | | n.a. |
| T 19 | 23 13 | 28 9 | 4 14 | 25 18 | 1 30 | 11 11 | 0 42 | 6 35 | 1 25 | 21 32 | 1 9 | 1 53 | 2 19 | 11 26 | 0 50 | 8 35 | 1 54 | 30 39 | 17 40 | 12 53 | 12 16 | 12 21 | | | n.a. |
| F 20 | 23 6 | 26 14 | 3 21 | 25 26 | 1 35 | 10 44 | 0 48 | 6 49 | 1 24 | 21 29 | 1 9 | 1 55 | 2 18 | 11 26 | 0 50 | 8 36 | 1 54 | 30 40 | 17 40 | 12 55 | 12 18 | 12 18 | | | n.a. |
| S 21 | 23 0 | 22 30 | 2 14 | 25 33 | 1 39 | 10 16 | 0 54 | 7 3 | 1 24 | 21 26 | 1 9 | 1 56 | 2 18 | 11 27 | 0 50 | 8 36 | 1 54 | 30 41 | 17 41 | 12 56 | 12 19 | 12 14 | | | n.a. |
| S 22 | 22 52 | 17 17 | 0 57 | 25 39 | 1 43 | 9 49 | 1 0 | 7 17 | 1 24 | 21 22 | 1 9 | 1 58 | 2 18 | 11 27 | 0 50 | 8 36 | 1 54 | 30 42 | 17 41 | 12 57 | 12 20 | 12 11 | | | n.a. |
| M23 | 22 45 | 11 5 | 0n23 | 25 43 | 1 47 | 9 21 | 1 6 | 7 31 | 1 23 | 21 19 | 1 9 | 1 59 | 2 18 | 11 28 | 0 50 | 8 36 | 1 54 | 30 43 | 17 42 | 12 57 | 12 21 | 12 8 | | | n.a. |
| T 24 | 22 36 | 4 21 | 1 41 | 25 45 | 1 51 | 8 53 | 1 12 | 7 45 | 1 23 | 21 16 | 1 9 | 2 0 | 2 17 | 11 29 | 0 50 | 8 36 | 1 54 | 30 43 | 17 42 | 12 57 | 12 22 | 12 5 | | | n.a. |
| W25 | 22 28 | 2n28 | 2 51 | 25 46 | 1 54 | 8 25 | 1 18 | 7 59 | 1 22 | 21 13 | 1 9 | 2 2 | 2 17 | 11 29 | 0 50 | 8 37 | 1 54 | 30 44 | 17 42 | 12 56 | 12 23 | 12 2 | | | n.a. |
| T 26 | 22 19 | 9 1 | 3 49 | 25 44 | 1 56 | 7 57 | 1 24 | 8 13 | 1 22 | 21 9 | 1 9 | 2 4 | 2 17 | 11 30 | 0 50 | 8 37 | 1 54 | 30 45 | 17 43 | 12 56 | 12 24 | 11 59 | | | n.a. |
| F 27 | 22 9 | 15 0 | 4 33 | 25 42 | 1 58 | 7 29 | 1 31 | 8 26 | 1 21 | 21 6 | 1 9 | 2 5 | 2 16 | 11 31 | 0 50 | 8 37 | 1 54 | 30 46 | 17 43 | 12 56 | 12 25 | 11 55 | | | n.a. |
| S 28 | 22 0 | 20 8 | 5 1 | 25 37 | 2 0 | 7 1 | 1 37 | 8 40 | 1 21 | 21 3 | 1 9 | 2 7 | 2 16 | 11 31 | 0 50 | 8 37 | 1 54 | 30 47 | 17 43 | 12 56 | 12 27 | 11 52 | | | n.a. |
| S 29 | 21 49 | 24 12 | 5 12 | 25 30 | 2 1 | 6 33 | 1 43 | 8 53 | 1 20 | 20 59 | 1 9 | 2 9 | 2 16 | 11 32 | 0 50 | 8 37 | 1 54 | 30 47 | 17 44 | 12 57 | 12 28 | 11 49 | | | n.a. |
| M30 | 21 39 | 26 57 | 5 7 | 25 22 | 2 2 | 6 5 | 1 50 | 9 7 | 1 20 | 20 56 | 1 9 | 2 10 | 2 16 | 11 33 | 0 50 | 8 37 | 1 55 | 30 48 | 17 44 | 12 59 | 12 29 | 11 46 | | | n.a. |
| T 31 | 21s28 | 28n17 | 4n47 | 25s11 | 2s 3 | 5s37 | 1n56 | 9s20 | 1n19 | 20s53 | 1s 9 | 2n12 | 2s15 | 11n33 | 0n50 | 8s37 | 1n55 | 30n49 | 17n44 | 13s 1 | 12s30 | 11n43 | | | n.a. |

Julian Day Number = 999689.5, Delta T = 12h52m41s
Ecliptic obliquity = 23°55'26, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°19'01, Lahiri = -31°12'00 Julian Calendar 1 Jan. 1976 BCE == Greg. Calendar 15 Dec. 1977 BCE

The year -1975 astronomical counting style corresponds to year 1976 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## FEBRUARY 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 37 52 | 26♉31'19 | 2♋13 | 15♉57 | 12♓24 | 27♎27 | 3♒46 | 10♈38 | 2°R30 | 26♎26 | 22°R43 | 26°R11 | 27♒42 | 29♌40 | n.a. | W 1 |
| T 2 | 7 41 49 | 27°30'47 | 14°32 | 17°46 | 13°20 | 28° 2 | 4° 0 | 10°42 | 2♍29 | 26°27 | 22♌42 | 26♒ 7 | 27°38 | 29°46 | n.a. | T 2 |
| F 3 | 7 45 45 | 28°30'12 | 26°41 | 19°36 | 14°15 | 28°37 | 4°15 | 10°46 | 2°27 | 26°27 | 22°40 | 26° 3 | 27°35 | 29°53 | n.a. | F 3 |
| S 4 | 7 49 42 | 29°29'35 | 8♌41 | 21°27 | 15° 9 | 29°12 | 4°29 | 10°50 | 2°25 | 26°27 | 22°39 | 26° 0 | 27°32 | 29°59 | n.a. | S 4 |
| S 5 | 7 53 39 | 0♒28'56 | 20°35 | 23°19 | 16° 3 | 29°46 | 4°43 | 10°55 | 2°23 | 26°28 | 22°37 | 25°D59 | 27°29 | 0♍ 6 | n.a. | S 5 |
| M 6 | 7 57 35 | 1°28'15 | 2♍24 | 25°13 | 16°56 | 0♏21 | 4°58 | 10°59 | 2°21 | 26°28 | 22°36 | 25°59 | 27°26 | 0°13 | n.a. | M 6 |
| T 7 | 8 1 32 | 2°27'32 | 14°11 | 27° 8 | 17°49 | 0°55 | 5°12 | 11° 3 | 2°19 | 26°28 | 22°34 | 26° 0 | 27°23 | 0°19 | n.a. | T 7 |
| W 8 | 8 5 28 | 3°26'46 | 26° 0 | 29° 5 | 18°40 | 1°29 | 5°27 | 11° 8 | 2°16 | 26°28 | 22°33 | 26° 1 | 27°19 | 0°26 | n.a. | W 8 |
| T 9 | 8 9 25 | 4°25'59 | 7♎54 | 1♒ 2 | 19°31 | 2° 4 | 5°41 | 11°12 | 2°14 | 26°29 | 22°31 | 26° 3 | 27°16 | 0°33 | n.a. | T 9 |
| F 10 | 8 13 21 | 5°25'10 | 19°58 | 3° 1 | 20°22 | 2°38 | 5°55 | 11°17 | 2°12 | 26°29 | 22°29 | 26° 5 | 27°13 | 0°39 | n.a. | F 10 |
| S 11 | 8 17 18 | 6°24'18 | 2♏17 | 5° 0 | 21°11 | 3°12 | 6°10 | 11°22 | 2°10 | 26°29 | 22°28 | 26°R 5 | 27°10 | 0°46 | n.a. | S 11 |
| S 12 | 8 21 14 | 7°23'25 | 14°54 | 7° 1 | 22° 0 | 3°45 | 6°24 | 11°27 | 2° 8 | 26°29 | 22°26 | 26° 5 | 27° 7 | 0°53 | n.a. | S 12 |
| M13 | 8 25 11 | 8°22'30 | 27°55 | 9° 3 | 22°48 | 4°19 | 6°39 | 11°32 | 2° 5 | 26°R29 | 22°25 | 26° 4 | 27° 4 | 0°59 | n.a. | M13 |
| T 14 | 8 29 7 | 9°21'33 | 11♐22 | 11° 5 | 23°35 | 4°53 | 6°53 | 11°37 | 2° 3 | 26°29 | 22°23 | 26° 3 | 27° 0 | 1° 6 | n.a. | T 14 |
| W15 | 8 33 4 | 10°20'34 | 25°16 | 13° 8 | 24°21 | 5°26 | 7° 7 | 11°42 | 2° 1 | 26°29 | 22°21 | 26° 1 | 26°57 | 1°13 | n.a. | W15 |
| T 16 | 8 37 1 | 11°19'33 | 9♑37 | 15°12 | 25° 6 | 6° 0 | 7°22 | 11°47 | 1°59 | 26°29 | 22°20 | 25°59 | 26°54 | 1°19 | n.a. | T 16 |
| F 17 | 8 40 57 | 12°18'31 | 24°21 | 17°15 | 25°50 | 6°33 | 7°36 | 11°52 | 1°56 | 26°29 | 22°18 | 25°57 | 26°51 | 1°26 | n.a. | F 17 |
| S 18 | 8 44 54 | 13°17'26 | 9♒20 | 19°19 | 26°33 | 7° 6 | 7°50 | 11°57 | 1°54 | 26°28 | 22°17 | 25°56 | 26°48 | 1°32 | n.a. | S 18 |
| S 19 | 8 48 50 | 14°16'18 | 24°28 | 21°23 | 27°16 | 7°39 | 8° 5 | 12° 3 | 1°51 | 26°28 | 22°15 | 25°D56 | 26°44 | 1°39 | n.a. | S 19 |
| M20 | 8 52 47 | 15°15'09 | 9♓35 | 23°26 | 27°57 | 8°12 | 8°19 | 12° 8 | 1°49 | 26°28 | 22°13 | 25°56 | 26°41 | 1°46 | n.a. | M20 |
| T 21 | 8 56 43 | 16°13'57 | 24°31 | 25°29 | 28°37 | 8°45 | 8°33 | 12°14 | 1°47 | 26°28 | 22°12 | 25°56 | 26°38 | 1°52 | n.a. | T 21 |
| W22 | 9 0 40 | 17°12'43 | 9♈11 | 27°30 | 29°16 | 9°17 | 8°48 | 12°19 | 1°44 | 26°27 | 22°10 | 25°57 | 26°35 | 1°59 | n.a. | W22 |
| T 23 | 9 4 36 | 18°11'26 | 23°29 | 29°30 | 29°53 | 9°50 | 9° 2 | 12°25 | 1°42 | 26°27 | 22° 8 | 25°58 | 26°32 | 2° 6 | n.a. | T 23 |
| F 24 | 9 8 33 | 19°10'07 | 7♉23 | 1♓27 | 0♈29 | 10°22 | 9°16 | 12°31 | 1°39 | 26°27 | 22° 6 | 25°58 | 26°29 | 2°12 | n.a. | F 24 |
| S 25 | 9 12 29 | 20° 8'45 | 20°52 | 3°23 | 1° 4 | 10°54 | 9°31 | 12°37 | 1°37 | 26°26 | 22° 5 | 25°R58 | 26°25 | 2°19 | n.a. | S 25 |
| S 26 | 9 16 26 | 21° 7'22 | 4♊ 0 | 5°16 | 1°38 | 11°26 | 9°45 | 12°43 | 1°34 | 26°26 | 22° 3 | 25°58 | 26°22 | 2°26 | n.a. | S 26 |
| M27 | 9 20 23 | 22° 5'55 | 16°47 | 7° 7 | 2°10 | 11°58 | 9°59 | 12°49 | 1°32 | 26°26 | 22° 1 | 25°58 | 26°19 | 2°32 | n.a. | M27 |
| T 28 | 9 24 19 | 23♒ 4'27 | 29♊17 | 8♓54 | 2♈41 | 12♏29 | 10♒13 | 12♈55 | 1♍29 | 26♎25 | 22♌ 0 | 25♒58 | 26♒16 | 2♍39 | n.a. | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21s16 | 28n 7 | 4n13 | 24s59 | 2s 3 | 5s 9 | 2n 3 | 9s34 | 1n19 | 20s49 | 1s 9 | 2n14 | 2s15 | 11n34 | 0n50 | 8s38 | 1n55 | 30n50 | 17n45 | 13s 2 | 12s31 | 11n39 | | n.a. |
| T 2 | 21 5 | 26 33 | 3 28 | 24 44 | 2 2 | 4 42 | 2 10 | 9 47 | 1 18 | 20 46 | 1 9 | 2 16 | 2 15 | 11 35 | 0 50 | 8 38 | 1 55 | 30 51 | 17 45 | 13 4 | 12 32 | 11 36 | | n.a. |
| F 3 | 20 53 | 23 46 | 2 34 | 24 28 | 2 1 | 4 14 | 2 16 | 10 0 | 1 17 | 20 42 | 1 9 | 2 18 | 2 14 | 11 35 | 0 50 | 8 38 | 1 55 | 30 51 | 17 45 | 13 5 | 12 33 | 11 33 | | n.a. |
| S 4 | 20 40 | 19 58 | 1 34 | 24 9 | 2 0 | 3 46 | 2 23 | 10 13 | 1 17 | 20 39 | 1 9 | 2 19 | 2 14 | 11 36 | 0 50 | 8 38 | 1 55 | 30 52 | 17 45 | 13 6 | 12 34 | 11 30 | | n.a. |
| S 5 | 20 27 | 15 24 | 0 30 | 23 48 | 1 58 | 3 19 | 2 30 | 10 26 | 1 16 | 20 35 | 1 9 | 2 21 | 2 14 | 11 37 | 0 50 | 8 38 | 1 55 | 30 53 | 17 46 | 13 7 | 12 35 | 11 27 | | n.a. |
| M 6 | 20 14 | 10 17 | 0s35 | 23 25 | 1 55 | 2 52 | 2 37 | 10 39 | 1 15 | 20 32 | 1 9 | 2 23 | 2 14 | 11 38 | 0 50 | 8 38 | 1 55 | 30 54 | 17 46 | 13 7 | 12 37 | 11 23 | | n.a. |
| T 7 | 20 1 | 4 50 | 1 39 | 22 59 | 1 52 | 2 25 | 2 44 | 10 52 | 1 15 | 20 28 | 1 9 | 2 25 | 2 13 | 11 39 | 0 50 | 8 38 | 1 55 | 30 55 | 17 46 | 13 6 | 12 38 | 11 20 | | n.a. |
| W 8 | 19 47 | 0s47 | 2 38 | 22 31 | 1 48 | 1 58 | 2 51 | 11 5 | 1 14 | 20 25 | 1 9 | 2 27 | 2 13 | 11 39 | 0 50 | 8 38 | 1 55 | 30 55 | 17 46 | 13 6 | 12 39 | 11 17 | | n.a. |
| T 9 | 19 32 | 6 25 | 3 31 | 22 2 | 1 44 | 1 31 | 2 58 | 11 17 | 1 13 | 20 21 | 1 9 | 2 30 | 2 13 | 11 40 | 0 50 | 8 38 | 1 55 | 30 56 | 17 47 | 13 5 | 12 40 | 11 14 | | n.a. |
| F 10 | 19 18 | 11 53 | 4 16 | 21 29 | 1 39 | 1 4 | 3 5 | 11 30 | 1 12 | 20 18 | 1 9 | 2 32 | 2 12 | 11 41 | 0 50 | 8 38 | 1 55 | 30 57 | 17 47 | 13 5 | 12 41 | 11 10 | | n.a. |
| S 11 | 19 3 | 17 1 | 4 49 | 20 55 | 1 34 | 0 38 | 3 12 | 11 42 | 1 12 | 20 14 | 1 10 | 2 34 | 2 12 | 11 42 | 0 50 | 8 38 | 1 55 | 30 58 | 17 47 | 13 5 | 12 42 | 11 7 | | n.a. |
| S 12 | 18 48 | 21 34 | 5 10 | 20 18 | 1 28 | 0 12 | 3 19 | 11 55 | 1 11 | 20 10 | 1 10 | 2 36 | 2 12 | 11 43 | 0 50 | 8 38 | 1 55 | 30 58 | 17 47 | 13 5 | 12 43 | 11 4 | | n.a. |
| M13 | 18 32 | 25 13 | 5 16 | 19 40 | 1 21 | 0n14 | 3 26 | 12 7 | 1 10 | 20 7 | 1 10 | 2 38 | 2 12 | 11 43 | 0 50 | 8 38 | 1 55 | 30 59 | 17 47 | 13 5 | 12 44 | 11 1 | | n.a. |
| T 14 | 18 16 | 27 38 | 5 5 | 18 59 | 1 14 | 0 39 | 3 33 | 12 19 | 1 9 | 20 3 | 1 10 | 2 40 | 2 11 | 11 44 | 0 50 | 8 38 | 1 55 | 31 0 | 17 47 | 13 6 | 12 45 | 10 58 | | n.a. |
| W15 | 18 0 | 28 26 | 4 36 | 18 16 | 1 6 | 1 4 | 3 40 | 12 32 | 1 8 | 19 59 | 1 10 | 2 43 | 2 11 | 11 45 | 0 50 | 8 38 | 1 55 | 31 0 | 17 48 | 13 6 | 12 47 | 10 54 | | n.a. |
| T 16 | 17 44 | 27 23 | 3 49 | 17 32 | 0 58 | 1 29 | 3 47 | 12 44 | 1 8 | 19 56 | 1 10 | 2 45 | 2 11 | 11 46 | 0 50 | 8 38 | 1 56 | 31 1 | 17 48 | 13 7 | 12 48 | 10 51 | | n.a. |
| F 17 | 17 27 | 24 24 | 2 46 | 16 45 | 0 49 | 1 53 | 3 55 | 12 56 | 1 7 | 19 52 | 1 10 | 2 47 | 2 11 | 11 47 | 0 50 | 8 37 | 1 56 | 31 2 | 17 48 | 13 7 | 12 49 | 10 48 | | n.a. |
| S 18 | 17 10 | 19 44 | 1 31 | 15 57 | 0 40 | 2 17 | 4 2 | 13 8 | 1 6 | 19 48 | 1 10 | 2 50 | 2 10 | 11 48 | 0 50 | 8 37 | 1 56 | 31 3 | 17 48 | 13 8 | 12 50 | 10 45 | | n.a. |
| S 19 | 16 53 | 13 45 | 0 8 | 15 8 | 0 30 | 2 41 | 4 9 | 13 19 | 1 5 | 19 44 | 1 10 | 2 52 | 2 10 | 11 49 | 0 50 | 8 37 | 1 56 | 31 3 | 17 48 | 13 8 | 12 51 | 10 41 | | n.a. |
| M20 | 16 35 | 6 59 | 1n15 | 14 17 | 0 19 | 3 4 | 4 16 | 13 31 | 1 4 | 19 41 | 1 10 | 2 54 | 2 10 | 11 50 | 0 51 | 8 37 | 1 56 | 31 4 | 17 48 | 13 8 | 12 52 | 10 38 | | n.a. |
| T 21 | 16 17 | 0n 6 | 2 32 | 13 25 | 0 8 | 3 27 | 4 23 | 13 43 | 1 3 | 19 37 | 1 10 | 2 57 | 2 10 | 11 50 | 0 51 | 8 37 | 1 56 | 31 5 | 17 48 | 13 8 | 12 53 | 10 35 | | n.a. |
| W22 | 15 59 | 7 2 | 3 38 | 12 33 | 0n 3 | 3 49 | 4 30 | 13 54 | 1 2 | 19 33 | 1 10 | 2 59 | 2 9 | 11 51 | 0 51 | 8 37 | 1 56 | 31 5 | 17 48 | 13 7 | 12 54 | 10 32 | | n.a. |
| T 23 | 15 41 | 13 26 | 4 28 | 11 40 | 0 14 | 4 11 | 4 37 | 14 6 | 1 1 | 19 29 | 1 10 | 3 2 | 2 9 | 11 52 | 0 51 | 8 37 | 1 56 | 31 6 | 17 49 | 13 7 | 12 55 | 10 28 | | n.a. |
| F 24 | 15 23 | 18 59 | 5 1 | 10 46 | 0 26 | 4 32 | 4 45 | 14 17 | 1 0 | 19 25 | 1 10 | 3 4 | 2 9 | 11 53 | 0 51 | 8 36 | 1 56 | 31 7 | 17 49 | 13 7 | 12 57 | 10 25 | | n.a. |
| S 25 | 15 4 | 23 24 | 5 16 | 9 53 | 0 38 | 4 53 | 4 52 | 14 28 | 0 59 | 19 22 | 1 10 | 3 7 | 2 9 | 11 54 | 0 51 | 8 36 | 1 56 | 31 7 | 17 49 | 13 7 | 12 58 | 10 22 | | n.a. |
| S 26 | 14 45 | 26 31 | 5 14 | 9 0 | 0 50 | 5 13 | 4 59 | 14 39 | 0 58 | 19 18 | 1 10 | 3 9 | 2 9 | 11 55 | 0 51 | 8 36 | 1 56 | 31 8 | 17 49 | 13 7 | 12 59 | 10 19 | | n.a. |
| M27 | 14 25 | 28 10 | 4 57 | 8 8 | 1 1 | 5 32 | 5 5 | 14 50 | 0 56 | 19 14 | 1 11 | 3 12 | 2 8 | 11 56 | 0 51 | 8 36 | 1 56 | 31 9 | 17 49 | 13 7 | 13 0 | 10 15 | | n.a. |
| T 28 | 14s 6 | 28n21 | 4n26 | 7s16 | 1n13 | 5n51 | 5n12 | 15s 1 | 0n55 | 19s10 | 1s11 | 3n14 | 2s 8 | 11n57 | 0n51 | 8s36 | 1n56 | 31n 9 | 17n49 | 13s 7 | 13s 1 | 10n12 | | n.a. |

Julian Day Number = 999720.5, Delta T = 12h52m39s
Ecliptic obliquity = 23°55'25, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'56, Lahiri = -31°11'56 Julian Calendar 1 Feb. 1976 BCE == Greg. Calendar 15 Jan. 1976 BCE


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## MARCH 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 28 16 | 24♒ 2'56 | 11♋34 | 10♓37 | 3♈10 | 13♏ 1 | 10♒27 | 13♈ 1 | 1°R27 | 26°R25 | 21°R58 | 25°R57 | 26♒13 | 2♍46 | n.a. | W 1 |
| T 2 | 9 32 12 | 25° 1'23 | 23°39 | 12°17 | 3°38 | 13°32 | 10°42 | 13° 7 | 1♍24 | 26♎24 | 21♌56 | 25♒57 | 26°10 | 2°52 | n.a. | T 2 |
| F 3 | 9 36 9 | 25°59'47 | 5♌37 | 13°53 | 4° 3 | 14° 3 | 10°56 | 13°13 | 1°22 | 26°23 | 21°55 | 25°D57 | 26° 6 | 2°59 | n.a. | F 3 |
| S 4 | 9 40 5 | 26°58'10 | 17°29 | 15°24 | 4°28 | 14°34 | 11°10 | 13°19 | 1°19 | 26°23 | 21°53 | 25°57 | 26° 3 | 3° 6 | n.a. | S 4 |
| S 5 | 9 44 2 | 27°56'30 | 29°17 | 16°51 | 4°50 | 15° 5 | 11°24 | 13°26 | 1°17 | 26°22 | 21°51 | 25°R57 | 26° 0 | 3°12 | n.a. | S 5 |
| M 6 | 9 47 58 | 28°54'49 | 11♍ 5 | 18°13 | 5°11 | 15°36 | 11°38 | 13°32 | 1°14 | 26°22 | 21°50 | 25°57 | 25°57 | 3°19 | n.a. | M 6 |
| T 7 | 9 51 55 | 29°53'05 | 22°54 | 19°31 | 5°29 | 16° 6 | 11°52 | 13°39 | 1°11 | 26°21 | 21°48 | 25°57 | 25°54 | 3°25 | n.a. | T 7 |
| W 8 | 9 55 51 | 0♓51'20 | 4♎47 | 20°43 | 5°46 | 16°36 | 12° 6 | 13°45 | 1° 9 | 26°20 | 21°46 | 25°56 | 25°50 | 3°32 | n.a. | W 8 |
| T 9 | 9 59 48 | 1°49'32 | 16°46 | 21°51 | 6° 1 | 17° 6 | 12°20 | 13°52 | 1° 6 | 26°19 | 21°45 | 25°55 | 25°47 | 3°39 | n.a. | T 9 |
| F 10 | 10 3 45 | 2°47'43 | 28°55 | 22°53 | 6°14 | 17°36 | 12°34 | 13°58 | 1° 4 | 26°19 | 21°43 | 25°55 | 25°44 | 3°45 | n.a. | F 10 |
| S 11 | 10 7 41 | 3°45'52 | 11♏16 | 23°51 | 6°24 | 18° 6 | 12°48 | 14° 5 | 1° 1 | 26°18 | 21°41 | 25°54 | 25°41 | 3°52 | n.a. | S 11 |
| S 12 | 10 11 38 | 4°44'00 | 23°54 | 24°43 | 6°33 | 18°35 | 13° 2 | 14°12 | 0°59 | 26°17 | 21°40 | 25°53 | 25°38 | 3°59 | n.a. | S 12 |
| M13 | 10 15 34 | 5°42'06 | 6♐51 | 25°29 | 6°39 | 19° 4 | 13°15 | 14°18 | 0°56 | 26°16 | 21°38 | 25°D53 | 25°35 | 4° 5 | n.a. | M13 |
| T 14 | 10 19 31 | 6°40'11 | 20°11 | 26°10 | 6°43 | 19°33 | 13°29 | 14°25 | 0°54 | 26°15 | 21°37 | 25°53 | 25°31 | 4°12 | n.a. | T 14 |
| W15 | 10 23 27 | 7°38'14 | 3♑56 | 26°46 | 6°R44 | 20° 2 | 13°43 | 14°32 | 0°51 | 26°14 | 21°35 | 25°54 | 25°28 | 4°19 | n.a. | W15 |
| T 16 | 10 27 24 | 8°36'15 | 18° 6 | 27°16 | 6°43 | 20°31 | 13°57 | 14°39 | 0°48 | 26°13 | 21°33 | 25°55 | 25°25 | 4°25 | n.a. | T 16 |
| F 17 | 10 31 20 | 9°34'15 | 2♒40 | 27°41 | 6°40 | 20°59 | 14°10 | 14°46 | 0°46 | 26°13 | 21°32 | 25°56 | 25°22 | 4°32 | n.a. | F 17 |
| S 18 | 10 35 17 | 10°32'14 | 17°33 | 28° 0 | 6°35 | 21°27 | 14°24 | 14°53 | 0°43 | 26°12 | 21°30 | 25°57 | 25°19 | 4°39 | n.a. | S 18 |
| S 19 | 10 39 14 | 11°30'10 | 2♓41 | 28°14 | 6°27 | 21°54 | 14°38 | 15° 0 | 0°41 | 26°11 | 21°29 | 25°R57 | 25°16 | 4°45 | n.a. | S 19 |
| M20 | 10 43 10 | 12°28'05 | 17°52 | 28°22 | 6°16 | 22°22 | 14°51 | 15° 7 | 0°38 | 26° 9 | 21°27 | 25°56 | 25°12 | 4°52 | n.a. | M20 |
| T 21 | 10 47 7 | 13°25'58 | 2♈59 | 28°R25 | 6° 4 | 22°49 | 15° 5 | 15°14 | 0°36 | 26° 8 | 21°26 | 25°54 | 25° 9 | 4°59 | n.a. | T 21 |
| W22 | 10 51 3 | 14°23'49 | 17°52 | 28°23 | 5°48 | 23°16 | 15°18 | 15°22 | 0°33 | 26° 7 | 21°24 | 25°52 | 25° 6 | 5° 5 | n.a. | W22 |
| T 23 | 10 55 0 | 15°21'39 | 2♉23 | 28°16 | 5°31 | 23°42 | 15°31 | 15°29 | 0°31 | 26° 6 | 21°23 | 25°50 | 25° 3 | 5°12 | n.a. | T 23 |
| F 24 | 10 58 56 | 16°19'26 | 16°28 | 28° 4 | 5°11 | 24° 8 | 15°45 | 15°36 | 0°29 | 26° 5 | 21°21 | 25°47 | 25° 0 | 5°18 | n.a. | F 24 |
| S 25 | 11 2 53 | 17°17'12 | 0♊ 6 | 27°47 | 4°48 | 24°34 | 15°58 | 15°43 | 0°26 | 26° 4 | 21°20 | 25°46 | 24°56 | 5°25 | n.a. | S 25 |
| S 26 | 11 6 49 | 18°14'56 | 13°17 | 27°27 | 4°24 | 25° 0 | 16°11 | 15°51 | 0°24 | 26° 3 | 21°18 | 25°D45 | 24°53 | 5°32 | n.a. | S 26 |
| M27 | 11 10 46 | 19°12'38 | 26° 4 | 27° 3 | 3°57 | 25°25 | 16°24 | 15°58 | 0°21 | 26° 2 | 21°17 | 25°45 | 24°50 | 5°38 | n.a. | M27 |
| T 28 | 11 14 42 | 20°10'18 | 8♋30 | 26°35 | 3°29 | 25°50 | 16°38 | 16° 5 | 0°19 | 26° 0 | 21°15 | 25°46 | 24°47 | 5°45 | n.a. | T 28 |
| W29 | 11 18 39 | 21° 7'57 | 20°40 | 26° 5 | 2°58 | 26°15 | 16°51 | 16°13 | 0°17 | 25°59 | 21°14 | 25°47 | 24°44 | 5°52 | n.a. | W29 |
| T 30 | 11 22 36 | 22° 5'34 | 2♌39 | 25°32 | 2°26 | 26°39 | 17° 4 | 16°20 | 0°14 | 25°58 | 21°12 | 25°49 | 24°41 | 5°58 | n.a. | T 30 |
| F 31 | 11 26 32 | 23♓ 3'09 | 14♌30 | 24♓58 | 1♈52 | 27♏ 3 | 17♒17 | 16♈28 | 0♍12 | 25♎57 | 21♌11 | 25♒50 | 24♒37 | 6♍ 5 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 13s46 | 27n 6 | 3n43 | 6s26 | 1n25 | 6n 9 | 5n19 | 15s12 | 0n54 | 19s 6 | 1s11 | 3n17 | 2s 8 | 11n58 | 0n51 | 8s35 | 1n56 | 31n10 | 17n49 | 13s 7 | 13s 2 | 10n 9 | | | n.a. |
| T 2 | 13 27 | 24 36 | 2 50 | 5 37 | 1 36 | 6 26 | 5 26 | 15 23 | 0 53 | 19 2 | 1 11 | 3 20 | 2 8 | 11 59 | 0 51 | 8 35 | 1 56 | 31 10 | 17 49 | 13 7 | 13 3 | 10 6 | | | n.a. |
| F 3 | 13 6 | 21 2 | 1 51 | 4 49 | 1 47 | 6 42 | 5 32 | 15 34 | 0 51 | 18 59 | 1 11 | 3 22 | 2 7 | 12 0 | 0 51 | 8 35 | 1 56 | 31 11 | 17 49 | 13 7 | 13 4 | 10 2 | | | n.a. |
| S 4 | 12 46 | 16 39 | 0 47 | 4 4 | 1 58 | 6 58 | 5 39 | 15 44 | 0 50 | 18 55 | 1 11 | 3 25 | 2 7 | 12 1 | 0 51 | 8 35 | 1 56 | 31 12 | 17 49 | 13 7 | 13 5 | 9 59 | | | n.a. |
| S 5 | 12 26 | 11 40 | 0s19 | 3 20 | 2 8 | 7 13 | 5 45 | 15 55 | 0 49 | 18 51 | 1 11 | 3 28 | 2 7 | 12 1 | 0 51 | 8 34 | 1 56 | 31 12 | 17 49 | 13 7 | 13 6 | 9 56 | | | n.a. |
| M 6 | 12 5 | 6 17 | 1 23 | 2 39 | 2 17 | 7 27 | 5 51 | 16 5 | 0 48 | 18 47 | 1 11 | 3 30 | 2 7 | 12 2 | 0 51 | 8 34 | 1 57 | 31 13 | 17 49 | 13 7 | 13 8 | 9 53 | | | n.a. |
| T 7 | 11 44 | 0 40 | 2 24 | 2 0 | 2 26 | 7 40 | 5 57 | 16 15 | 0 46 | 18 43 | 1 11 | 3 33 | 2 7 | 12 3 | 0 51 | 8 34 | 1 57 | 31 13 | 17 49 | 13 8 | 13 9 | 9 49 | | | n.a. |
| W 8 | 11 23 | 4s59 | 3 19 | 1 23 | 2 35 | 7 52 | 6 3 | 16 25 | 0 45 | 18 39 | 1 11 | 3 36 | 2 6 | 12 4 | 0 51 | 8 33 | 1 57 | 31 14 | 17 48 | 13 8 | 13 10 | 9 46 | | | n.a. |
| T 9 | 11 2 | 10 30 | 4 6 | 0 49 | 2 42 | 8 3 | 6 9 | 16 36 | 0 43 | 18 35 | 1 11 | 3 39 | 2 6 | 12 5 | 0 51 | 8 33 | 1 57 | 31 14 | 17 48 | 13 8 | 13 11 | 9 43 | | | n.a. |
| F 10 | 10 41 | 15 42 | 4 43 | 0 18 | 2 49 | 8 13 | 6 14 | 16 46 | 0 42 | 18 31 | 1 12 | 3 41 | 2 6 | 12 6 | 0 51 | 8 33 | 1 57 | 31 15 | 17 48 | 13 8 | 13 12 | 9 40 | | | n.a. |
| S 11 | 10 20 | 20 22 | 5 7 | 0n10 | 2 55 | 8 22 | 6 19 | 16 55 | 0 40 | 18 27 | 1 12 | 3 44 | 2 6 | 12 7 | 0 51 | 8 32 | 1 57 | 31 15 | 17 48 | 13 9 | 13 13 | 9 36 | | | n.a. |
| S 12 | 9 58 | 24 14 | 5 17 | 0 36 | 3 0 | 8 30 | 6 24 | 17 5 | 0 39 | 18 23 | 1 12 | 3 47 | 2 6 | 12 8 | 0 51 | 8 32 | 1 57 | 31 16 | 17 48 | 13 9 | 13 14 | 9 33 | | | n.a. |
| M13 | 9 36 | 27 0 | 5 11 | 0 59 | 3 4 | 8 37 | 6 29 | 17 15 | 0 37 | 18 19 | 1 12 | 3 50 | 2 5 | 12 9 | 0 51 | 8 32 | 1 57 | 31 16 | 17 48 | 13 9 | 13 15 | 9 30 | | | n.a. |
| T 14 | 9 15 | 28 22 | 4 49 | 1 18 | 3 7 | 8 42 | 6 33 | 17 24 | 0 36 | 18 16 | 1 12 | 3 53 | 2 5 | 12 10 | 0 51 | 8 31 | 1 57 | 31 17 | 17 48 | 13 9 | 13 16 | 9 27 | | | n.a. |
| W15 | 8 53 | 28 2 | 4 10 | 1 34 | 3 9 | 8 46 | 6 37 | 17 34 | 0 34 | 18 12 | 1 12 | 3 56 | 2 5 | 12 11 | 0 51 | 8 31 | 1 57 | 31 17 | 17 48 | 13 8 | 13 17 | 9 23 | | | n.a. |
| T 16 | 8 30 | 25 53 | 3 15 | 1 47 | 3 10 | 8 49 | 6 40 | 17 43 | 0 32 | 18 8 | 1 12 | 3 58 | 2 5 | 12 12 | 0 51 | 8 31 | 1 57 | 31 17 | 17 48 | 13 8 | 13 18 | 9 20 | | | n.a. |
| F 17 | 8 8 | 22 0 | 2 6 | 1 57 | 3 10 | 8 51 | 6 43 | 17 53 | 0 30 | 18 4 | 1 12 | 4 1 | 2 5 | 12 13 | 0 51 | 8 30 | 1 57 | 31 18 | 17 47 | 13 8 | 13 20 | 9 17 | | | n.a. |
| S 18 | 7 46 | 16 37 | 0 46 | 2 4 | 3 9 | 8 51 | 6 46 | 18 2 | 0 29 | 18 0 | 1 13 | 4 4 | 2 5 | 12 13 | 0 51 | 8 30 | 1 57 | 31 18 | 17 47 | 13 8 | 13 21 | 9 13 | | | n.a. |
| S 19 | 7 24 | 10 9 | 0n37 | 2 7 | 3 6 | 8 50 | 6 48 | 18 11 | 0 27 | 17 56 | 1 13 | 4 7 | 2 4 | 12 14 | 0 51 | 8 29 | 1 57 | 31 19 | 17 47 | 13 8 | 13 22 | 9 10 | | | n.a. |
| M20 | 7 1 | 3 5 | 1 58 | 2 7 | 3 2 | 8 47 | 6 50 | 18 20 | 0 25 | 17 52 | 1 13 | 4 10 | 2 4 | 12 15 | 0 51 | 8 29 | 1 57 | 31 19 | 17 47 | 13 8 | 13 23 | 9 7 | | | n.a. |
| T 21 | 6 38 | 4n 7 | 3 11 | 2 3 | 2 57 | 8 43 | 6 51 | 18 29 | 0 23 | 17 48 | 1 13 | 4 13 | 2 4 | 12 16 | 0 51 | 8 29 | 1 57 | 31 19 | 17 47 | 13 8 | 13 24 | 9 4 | | | n.a. |
| W22 | 6 16 | 10 58 | 4 9 | 1 57 | 2 51 | 8 37 | 6 52 | 18 37 | 0 21 | 17 44 | 1 13 | 4 16 | 2 4 | 12 17 | 0 51 | 8 28 | 1 57 | 31 20 | 17 46 | 13 9 | 13 25 | 9 0 | | | n.a. |
| T 23 | 5 53 | 17 4 | 4 50 | 1 47 | 2 43 | 8 30 | 6 52 | 18 46 | 0 19 | 17 40 | 1 13 | 4 19 | 2 4 | 12 18 | 0 51 | 8 28 | 1 57 | 31 20 | 17 46 | 13 10 | 13 26 | 8 57 | | | n.a. |
| F 24 | 5 30 | 22 3 | 5 11 | 1 34 | 2 35 | 8 22 | 6 51 | 18 55 | 0 17 | 17 36 | 1 13 | 4 22 | 2 4 | 12 19 | 0 51 | 8 27 | 1 57 | 31 20 | 17 46 | 13 11 | 13 27 | 8 54 | | | n.a. |
| S 25 | 5 7 | 25 42 | 5 15 | 1 18 | 2 25 | 8 11 | 6 50 | 19 3 | 0 15 | 17 32 | 1 13 | 4 25 | 2 3 | 12 20 | 0 50 | 8 27 | 1 57 | 31 21 | 17 46 | 13 11 | 13 28 | 8 50 | | | n.a. |
| S 26 | 4 44 | 27 50 | 5 1 | 1 0 | 2 13 | 8 0 | 6 48 | 19 12 | 0 13 | 17 28 | 1 14 | 4 28 | 2 3 | 12 20 | 0 50 | 8 26 | 1 57 | 31 21 | 17 45 | 13 12 | 13 29 | 8 47 | | | n.a. |
| M27 | 4 21 | 28 24 | 4 33 | 0 39 | 2 1 | 7 47 | 6 45 | 19 20 | 0 11 | 17 24 | 1 14 | 4 31 | 2 3 | 12 21 | 0 50 | 8 26 | 1 57 | 31 21 | 17 45 | 13 12 | 13 30 | 8 44 | | | n.a. |
| T 28 | 3 58 | 27 30 | 3 52 | 0 16 | 1 48 | 7 32 | 6 42 | 19 28 | 0 9 | 17 21 | 1 14 | 4 34 | 2 3 | 12 22 | 0 50 | 8 25 | 1 57 | 31 21 | 17 45 | 13 11 | 13 31 | 8 41 | | | n.a. |
| W29 | 3 35 | 25 17 | 3 2 | 0s10 | 1 34 | 7 16 | 6 38 | 19 36 | 0 6 | 17 17 | 1 14 | 4 37 | 2 3 | 12 23 | 0 50 | 8 25 | 1 58 | 31 22 | 17 45 | 13 11 | 13 33 | 8 37 | | | n.a. |
| T 30 | 3 12 | 21 59 | 2 4 | 0 37 | 1 19 | 6 58 | 6 33 | 19 44 | 0 4 | 17 13 | 1 14 | 4 40 | 2 3 | 12 24 | 0 50 | 8 24 | 1 58 | 31 22 | 17 44 | 13 10 | 13 34 | 8 34 | | | n.a. |
| F 31 | 2s49 | 17n48 | 1n 2 | 1s 5 | 1n 3 | 6n40 | 6n27 | 19s52 | 0n 2 | 17s 9 | 1s14 | 4n43 | 2s 3 | 12n25 | 0n50 | 8s24 | 1n58 | 31n22 | 17n44 | 13s10 | 13s35 | 8n31 | | | n.a. |

Julian Day Number = 999748.5, Delta T = 12h52m37s
Ecliptic obliquity = 23°55'26, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'53, Lahiri = -31°11'52 Julian Calendar 1 March 1976 BCE == Greg. Calendar 12 Feb. 1976 BCE

The year -1975 astronomical counting style corresponds to year 1976 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## APRIL 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 30 29 | 24♓ 0'42 | 26♌18 | 24°R23 | 1°R18 | 27♏27 | 17♒30 | 16♈35 | 0°R10 | 25°R55 | 21°R10 | 25°R51 | 24♒34 | 6♍12 | n.a. | S 1 |
| S 2 | 11 34 25 | 24°58'14 | 8♍ 5 | 23♓47 | 0♈42 | 27°50 | 17°42 | 16°43 | 0♍ 8 | 25♎54 | 21♌ 8 | 25♒50 | 24°31 | 6°18 | n.a. | S 2 |
| M 3 | 11 38 22 | 25°55'44 | 19°55 | 23°12 | 0° 5 | 28°13 | 17°55 | 16°51 | 0° 5 | 25°53 | 21° 7 | 25°48 | 24°28 | 6°25 | n.a. | M 3 |
| T 4 | 11 42 18 | 26°53'13 | 1♎49 | 22°37 | 29♓27 | 28°35 | 18° 8 | 16°58 | 0° 3 | 25°51 | 21° 6 | 25°44 | 24°25 | 6°32 | n.a. | T 4 |
| W 5 | 11 46 15 | 27°50'41 | 13°50 | 22° 4 | 28°49 | 28°58 | 18°20 | 17° 6 | 0° 1 | 25°50 | 21° 5 | 25°40 | 24°21 | 6°38 | n.a. | W 5 |
| T 6 | 11 50 11 | 28°48'07 | 25°59 | 21°33 | 28°11 | 29°19 | 18°33 | 17°13 | 29♌59 | 25°49 | 21° 3 | 25°34 | 24°18 | 6°45 | n.a. | T 6 |
| F 7 | 11 54 8 | 29°45'32 | 8♏18 | 21° 4 | 27°33 | 29°41 | 18°46 | 17°21 | 29°57 | 25°47 | 21° 2 | 25°28 | 24°15 | 6°52 | n.a. | F 7 |
| S 8 | 11 58 5 | 0♈42'57 | 20°49 | 20°38 | 26°55 | 0♐ 1 | 18°58 | 17°29 | 29°55 | 25°46 | 21° 1 | 25°23 | 24°12 | 6°58 | n.a. | S 8 |
| S 9 | 12 2 1 | 1°40'20 | 3♐33 | 20°16 | 26°18 | 0°22 | 19°10 | 17°37 | 29°53 | 25°44 | 21° 0 | 25°19 | 24° 9 | 7° 5 | n.a. | S 9 |
| M10 | 12 5 58 | 2°37'42 | 16°33 | 19°57 | 25°42 | 0°42 | 19°23 | 17°44 | 29°50 | 25°43 | 20°59 | 25°16 | 24° 6 | 7°12 | n.a. | M10 |
| T 11 | 12 9 54 | 3°35'04 | 29°51 | 19°42 | 25° 7 | 1° 1 | 19°35 | 17°52 | 29°48 | 25°41 | 20°57 | 25°D15 | 24° 2 | 7°18 | n.a. | T 11 |
| W12 | 12 13 51 | 4°32'25 | 13♑28 | 19°31 | 24°33 | 1°20 | 19°47 | 18° 0 | 29°47 | 25°40 | 20°56 | 25°15 | 23°59 | 7°25 | n.a. | W12 |
| T 13 | 12 17 47 | 5°29'45 | 27°26 | 19°25 | 24° 0 | 1°39 | 19°59 | 18° 8 | 29°45 | 25°39 | 20°55 | 25°16 | 23°56 | 7°31 | n.a. | T 13 |
| F 14 | 12 21 44 | 6°27'04 | 11♒45 | 19°D23 | 23°30 | 1°57 | 20°11 | 18°16 | 29°43 | 25°37 | 20°54 | 25°17 | 23°53 | 7°38 | n.a. | F 14 |
| S 15 | 12 25 40 | 7°24'22 | 26°23 | 19°25 | 23° 1 | 2°14 | 20°23 | 18°23 | 29°41 | 25°36 | 20°53 | 25°R18 | 23°50 | 7°45 | n.a. | S 15 |
| S 16 | 12 29 37 | 8°21'40 | 11♓16 | 19°32 | 22°33 | 2°31 | 20°35 | 18°31 | 29°39 | 25°34 | 20°52 | 25°17 | 23°47 | 7°51 | n.a. | S 16 |
| M17 | 12 33 34 | 9°18'57 | 26°17 | 19°43 | 22° 8 | 2°48 | 20°47 | 18°39 | 29°37 | 25°32 | 20°51 | 25°14 | 23°43 | 7°58 | n.a. | M17 |
| T 18 | 12 37 30 | 10°16'12 | 11♈18 | 19°59 | 21°45 | 3° 4 | 20°58 | 18°47 | 29°36 | 25°31 | 20°50 | 25° 9 | 23°40 | 8° 5 | n.a. | T 18 |
| W19 | 12 41 27 | 11°13'27 | 26°10 | 20°19 | 21°25 | 3°19 | 21°10 | 18°55 | 29°34 | 25°29 | 20°49 | 25° 3 | 23°37 | 8°11 | n.a. | W19 |
| T 20 | 12 45 23 | 12°10'41 | 10♉44 | 20°44 | 21° 6 | 3°34 | 21°21 | 19° 3 | 29°32 | 25°28 | 20°48 | 24°56 | 23°34 | 8°18 | n.a. | T 20 |
| F 21 | 12 49 20 | 13° 7'55 | 24°54 | 21°13 | 20°50 | 3°48 | 21°33 | 19°11 | 29°31 | 25°26 | 20°48 | 24°49 | 23°31 | 8°25 | n.a. | F 21 |
| S 22 | 12 53 16 | 14° 5'07 | 8♊38 | 21°46 | 20°36 | 4° 2 | 21°44 | 19°19 | 29°29 | 25°25 | 20°47 | 24°43 | 23°27 | 8°31 | n.a. | S 22 |
| S 23 | 12 57 13 | 15° 2'18 | 21°53 | 22°23 | 20°25 | 4°15 | 21°55 | 19°27 | 29°27 | 25°23 | 20°46 | 24°38 | 23°24 | 8°38 | n.a. | S 23 |
| M24 | 13 1 9 | 15°59'28 | 4♋43 | 23° 5 | 20°16 | 4°27 | 22° 7 | 19°34 | 29°26 | 25°22 | 20°45 | 24°36 | 23°21 | 8°45 | n.a. | M24 |
| T 25 | 13 5 6 | 16°56'37 | 17°10 | 23°50 | 20° 9 | 4°39 | 22°18 | 19°42 | 29°24 | 25°20 | 20°44 | 24°D35 | 23°18 | 8°51 | n.a. | T 25 |
| W26 | 13 9 3 | 17°53'46 | 29°20 | 24°39 | 20° 5 | 4°50 | 22°29 | 19°50 | 29°23 | 25°18 | 20°44 | 24°36 | 23°15 | 8°58 | n.a. | W26 |
| T 27 | 13 12 59 | 18°50'53 | 11♌17 | 25°32 | 20°D 3 | 5° 1 | 22°39 | 19°58 | 29°22 | 25°17 | 20°43 | 24°37 | 23°12 | 9° 5 | n.a. | T 27 |
| F 28 | 13 16 56 | 19°47'59 | 23° 6 | 26°28 | 20° 4 | 5°10 | 22°50 | 20° 6 | 29°20 | 25°15 | 20°42 | 24°R37 | 23° 8 | 9°11 | n.a. | F 28 |
| S 29 | 13 20 52 | 20°45'05 | 4♍54 | 27°29 | 20° 7 | 5°20 | 23° 1 | 20°14 | 29°19 | 25°13 | 20°42 | 24°37 | 23° 5 | 9°18 | n.a. | S 29 |
| S 30 | 13 24 49 | 21♈42'10 | 16♍42 | 28♓32 | 20♓12 | 5♐28 | 23♒11 | 20♈22 | 29♌18 | 25♎12 | 20♌41 | 24♒34 | 23♒ 2 | 9♍25 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s25 | 12n58 | 0s 2 | 1s34 | 0n47 | 6n20 | 6n21 | 20s 0 | 0s 1 | 17s 5 | 1s15 | 4n46 | 2s 2 | 12n25 | 0n50 | 8s23 | 1n58 | 31n22 | 17n44 | 13s10 | 13s36 | 8n27 | | n.a. |
| S 2 | 2 2 | 7 41 | 1 7 | 2 3 | 0 30 | 5 58 | 6 14 | 20 8 | 0 3 | 17 1 | 1 15 | 4 49 | 2 2 | 12 26 | 0 50 | 8 23 | 1 58 | 31 23 | 17 43 | 13 10 | 13 37 | 8 24 | | n.a. |
| M 3 | 1 39 | 2 7 | 2 8 | 2 33 | 0 13 | 5 36 | 6 6 | 20 15 | 0 6 | 16 57 | 1 15 | 4 52 | 2 2 | 12 27 | 0 50 | 8 22 | 1 58 | 31 23 | 17 43 | 13 11 | 13 38 | 8 21 | | n.a. |
| T 4 | 1 16 | 3s33 | 3 4 | 3 2 | 0s 3 | 5 13 | 5 57 | 20 23 | 0 8 | 16 53 | 1 15 | 4 55 | 2 2 | 12 28 | 0 50 | 8 22 | 1 58 | 31 23 | 17 43 | 13 12 | 13 39 | 8 18 | | n.a. |
| W 5 | 0 52 | 9 7 | 3 53 | 3 31 | 0 20 | 4 49 | 5 48 | 20 30 | 0 11 | 16 50 | 1 15 | 4 58 | 2 2 | 12 29 | 0 50 | 8 21 | 1 58 | 31 23 | 17 43 | 13 13 | 13 40 | 8 14 | | n.a. |
| T 6 | 0 29 | 14 26 | 4 31 | 3 59 | 0 37 | 4 25 | 5 38 | 20 38 | 0 13 | 16 46 | 1 15 | 5 2 | 2 2 | 12 29 | 0 50 | 8 21 | 1 58 | 31 23 | 17 42 | 13 15 | 13 41 | 8 11 | | n.a. |
| F 7 | 0 6 | 19 14 | 4 58 | 4 25 | 0 53 | 4 0 | 5 28 | 20 45 | 0 16 | 16 42 | 1 16 | 5 5 | 2 2 | 12 30 | 0 50 | 8 20 | 1 58 | 31 23 | 17 42 | 13 17 | 13 42 | 8 8 | | n.a. |
| S 8 | 0n17 | 23 18 | 5 10 | 4 50 | 1 9 | 3 34 | 5 16 | 20 52 | 0 19 | 16 38 | 1 16 | 5 8 | 2 2 | 12 31 | 0 50 | 8 20 | 1 58 | 31 23 | 17 41 | 13 19 | 13 43 | 8 4 | | n.a. |
| S 9 | 0 41 | 26 19 | 5 8 | 5 13 | 1 24 | 3 9 | 5 5 | 20 59 | 0 22 | 16 34 | 1 16 | 5 11 | 2 2 | 12 31 | 0 50 | 8 19 | 1 58 | 31 23 | 17 41 | 13 21 | 13 44 | 8 1 | | n.a. |
| M10 | 1 4 | 28 2 | 4 50 | 5 33 | 1 38 | 2 43 | 4 53 | 21 7 | 0 25 | 16 31 | 1 16 | 5 14 | 2 1 | 12 32 | 0 50 | 8 19 | 1 58 | 31 23 | 17 41 | 13 22 | 13 46 | 7 58 | | n.a. |
| T 11 | 1 27 | 28 12 | 4 17 | 5 52 | 1 52 | 2 17 | 4 40 | 21 14 | 0 27 | 16 27 | 1 16 | 5 17 | 2 1 | 12 33 | 0 50 | 8 18 | 1 58 | 31 23 | 17 40 | 13 22 | 13 47 | 7 54 | | n.a. |
| W12 | 1 50 | 26 40 | 3 28 | 6 8 | 2 4 | 1 52 | 4 27 | 21 20 | 0 30 | 16 23 | 1 16 | 5 20 | 2 1 | 12 34 | 0 50 | 8 17 | 1 58 | 31 23 | 17 40 | 13 22 | 13 48 | 7 51 | | n.a. |
| T 13 | 2 14 | 23 28 | 2 26 | 6 21 | 2 16 | 1 27 | 4 14 | 21 27 | 0 34 | 16 19 | 1 17 | 5 23 | 2 1 | 12 34 | 0 50 | 8 17 | 1 58 | 31 23 | 17 40 | 13 22 | 13 49 | 7 48 | | n.a. |
| F 14 | 2 37 | 18 47 | 1 13 | 6 32 | 2 27 | 1 2 | 4 1 | 21 34 | 0 37 | 16 16 | 1 17 | 5 26 | 2 1 | 12 35 | 0 50 | 8 16 | 1 58 | 31 23 | 17 39 | 13 21 | 13 50 | 7 44 | | n.a. |
| S 15 | 3 0 | 12 53 | 0n 6 | 6 40 | 2 36 | 0 38 | 3 47 | 21 41 | 0 40 | 16 12 | 1 17 | 5 30 | 2 1 | 12 35 | 0 50 | 8 16 | 1 58 | 31 23 | 17 39 | 13 21 | 13 51 | 7 41 | | n.a. |
| S 16 | 3 23 | 6 10 | 1 26 | 6 45 | 2 45 | 0 14 | 3 33 | 21 47 | 0 43 | 16 8 | 1 17 | 5 33 | 2 1 | 12 36 | 0 50 | 8 15 | 1 58 | 31 23 | 17 38 | 13 21 | 13 52 | 7 38 | | n.a. |
| M17 | 3 46 | 0n56 | 2 40 | 6 48 | 2 53 | 0s 8 | 3 19 | 21 54 | 0 46 | 16 5 | 1 17 | 5 36 | 2 1 | 12 37 | 0 50 | 8 15 | 1 58 | 31 23 | 17 38 | 13 22 | 13 53 | 7 35 | | n.a. |
| T 18 | 4 9 | 7 58 | 3 43 | 6 47 | 3 0 | 0 30 | 3 5 | 22 0 | 0 50 | 16 1 | 1 18 | 5 39 | 2 1 | 12 37 | 0 50 | 8 14 | 1 58 | 31 23 | 17 37 | 13 24 | 13 54 | 7 31 | | n.a. |
| W19 | 4 32 | 14 29 | 4 30 | 6 44 | 3 6 | 0 51 | 2 52 | 22 7 | 0 53 | 15 57 | 1 18 | 5 42 | 2 1 | 12 38 | 0 50 | 8 13 | 1 58 | 31 23 | 17 37 | 13 26 | 13 55 | 7 28 | | n.a. |
| T 20 | 4 54 | 20 3 | 4 59 | 6 39 | 3 10 | 1 11 | 2 38 | 22 13 | 0 56 | 15 54 | 1 18 | 5 45 | 2 1 | 12 38 | 0 50 | 8 13 | 1 58 | 31 23 | 17 37 | 13 29 | 13 56 | 7 25 | | n.a. |
| F 21 | 5 17 | 24 21 | 5 8 | 6 31 | 3 14 | 1 30 | 2 24 | 22 19 | 1 0 | 15 50 | 1 18 | 5 48 | 2 0 | 12 39 | 0 50 | 8 12 | 1 58 | 31 23 | 17 36 | 13 31 | 13 57 | 7 21 | | n.a. |
| S 22 | 5 40 | 27 6 | 4 59 | 6 20 | 3 17 | 1 48 | 2 10 | 22 25 | 1 4 | 15 47 | 1 18 | 5 51 | 2 0 | 12 40 | 0 50 | 8 12 | 1 58 | 31 23 | 17 36 | 13 33 | 13 58 | 7 18 | | n.a. |
| S 23 | 6 2 | 28 14 | 4 34 | 6 7 | 3 19 | 2 5 | 1 57 | 22 31 | 1 7 | 15 43 | 1 19 | 5 54 | 2 0 | 12 40 | 0 50 | 8 11 | 1 58 | 31 23 | 17 35 | 13 34 | 13 59 | 7 15 | | n.a. |
| M24 | 6 25 | 27 46 | 3 56 | 5 51 | 3 20 | 2 21 | 1 44 | 22 37 | 1 11 | 15 40 | 1 19 | 5 58 | 2 0 | 12 41 | 0 50 | 8 10 | 1 58 | 31 23 | 17 35 | 13 35 | 14 0 | 7 11 | | n.a. |
| T 25 | 6 47 | 25 54 | 3 8 | 5 33 | 3 20 | 2 35 | 1 31 | 22 43 | 1 15 | 15 36 | 1 19 | 6 1 | 2 0 | 12 41 | 0 50 | 8 10 | 1 58 | 31 22 | 17 34 | 13 36 | 14 2 | 7 8 | | n.a. |
| W26 | 7 9 | 22 51 | 2 12 | 5 13 | 3 20 | 2 48 | 1 18 | 22 49 | 1 19 | 15 33 | 1 19 | 6 4 | 2 0 | 12 42 | 0 50 | 8 9 | 1 58 | 31 22 | 17 34 | 13 35 | 14 3 | 7 5 | | n.a. |
| T 27 | 7 32 | 18 53 | 1 11 | 4 50 | 3 18 | 3 1 | 1 6 | 22 55 | 1 23 | 15 29 | 1 19 | 6 7 | 2 0 | 12 42 | 0 50 | 8 9 | 1 58 | 31 22 | 17 33 | 13 35 | 14 4 | 7 1 | | n.a. |
| F 28 | 7 54 | 14 13 | 0 8 | 4 25 | 3 16 | 3 12 | 0 54 | 23 1 | 1 26 | 15 26 | 1 20 | 6 10 | 2 0 | 12 42 | 0 50 | 8 8 | 1 58 | 31 22 | 17 33 | 13 35 | 14 5 | 6 58 | | n.a. |
| S 29 | 8 16 | 9 4 | 0s55 | 3 58 | 3 13 | 3 21 | 0 42 | 23 6 | 1 30 | 15 23 | 1 20 | 6 13 | 2 0 | 12 43 | 0 50 | 8 8 | 1 58 | 31 22 | 17 32 | 13 35 | 14 6 | 6 55 | | n.a. |
| S 30 | 8n37 | 3n35 | 1s56 | 3s29 | 3s 9 | 3s30 | 0n30 | 23s12 | 1s35 | 15s19 | 1s20 | 6n16 | 2s 0 | 12n43 | 0n49 | 8s 7 | 1n58 | 31n21 | 17n32 | 13s36 | 14s 7 | 6n51 | | n.a. |

Julian Day Number = 999779.5, Delta T = 12h52m35s
Ecliptic obliquity = 23°55'26, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'48, Lahiri = -31°11'48 Julian Calendar 1 Apr. 1976 BCE == Greg. Calendar 15 March 1976 BCE


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## MAY 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 28 45 | 22♈39'14 | 28♍36 | 29♓40 | 20♓19 | 5♐36 | 23♒22 | 20♈30 | 29°R17 | 25°R10 | 20°R40 | 24°R29 | 22♒59 | 9♍31 | n.a. | M 1 |
| T 2 | 13 32 42 | 23°36'18 | 10♎38 | 0♈50 | 20°28 | 5°43 | 23°32 | 20°38 | 29♌15 | 25♎ 9 | 20♌40 | 24♒22 | 22°56 | 9°38 | n.a. | T 2 |
| W 3 | 13 36 39 | 24°33'21 | 22°50 | 2° 4 | 20°40 | 5°50 | 23°42 | 20°46 | 29°14 | 25° 7 | 20°39 | 24°13 | 22°52 | 9°44 | n.a. | W 3 |
| T 4 | 13 40 35 | 25°30'24 | 5♏13 | 3°21 | 20°53 | 5°56 | 23°53 | 20°54 | 29°13 | 25° 5 | 20°39 | 24° 3 | 22°49 | 9°51 | n.a. | T 4 |
| F 5 | 13 44 32 | 26°27'26 | 17°48 | 4°42 | 21° 9 | 6° 1 | 24° 3 | 21° 2 | 29°12 | 25° 4 | 20°38 | 23°52 | 22°46 | 9°58 | n.a. | F 5 |
| S 6 | 13 48 28 | 27°24'29 | 0♐35 | 6° 6 | 21°26 | 6° 5 | 24°13 | 21°10 | 29°11 | 25° 2 | 20°38 | 23°41 | 22°43 | 10° 4 | n.a. | S 6 |
| S 7 | 13 52 25 | 28°21'31 | 13°34 | 7°33 | 21°45 | 6° 9 | 24°22 | 21°18 | 29°10 | 25° 1 | 20°38 | 23°33 | 22°40 | 10°11 | n.a. | S 7 |
| M 8 | 13 56 21 | 29°18'33 | 26°45 | 9° 3 | 22° 6 | 6°11 | 24°32 | 21°25 | 29°10 | 24°59 | 20°37 | 23°27 | 22°37 | 10°18 | n.a. | M 8 |
| T 9 | 14 0 18 | 0♑15'35 | 10♑10 | 10°37 | 22°29 | 6°13 | 24°42 | 21°33 | 29° 9 | 24°57 | 20°37 | 23°23 | 22°33 | 10°24 | n.a. | T 9 |
| W10 | 14 4 14 | 1°12'38 | 23°48 | 12°13 | 22°54 | 6°15 | 24°51 | 21°41 | 29° 8 | 24°56 | 20°37 | 23°21 | 22°30 | 10°31 | n.a. | W10 |
| T 11 | 14 8 11 | 2° 9'40 | 7♒40 | 13°53 | 23°20 | 6°R15 | 25° 1 | 21°49 | 29° 7 | 24°54 | 20°36 | 23°D21 | 22°27 | 10°38 | n.a. | T 11 |
| F 12 | 14 12 8 | 3° 6'43 | 21°47 | 15°35 | 23°48 | 6°15 | 25°10 | 21°57 | 29° 7 | 24°53 | 20°36 | 23°R21 | 22°24 | 10°44 | n.a. | F 12 |
| S 13 | 14 16 4 | 4° 3'46 | 6♓ 8 | 17°21 | 24°17 | 6°14 | 25°19 | 22° 5 | 29° 6 | 24°51 | 20°36 | 23°21 | 22°21 | 10°51 | n.a. | S 13 |
| S 14 | 14 20 1 | 5° 0'48 | 20°40 | 19° 9 | 24°48 | 6°12 | 25°28 | 22°13 | 29° 5 | 24°49 | 20°36 | 23°18 | 22°18 | 10°58 | n.a. | S 14 |
| M15 | 14 23 57 | 5°57'52 | 5♈21 | 21° 0 | 25°20 | 6°10 | 25°37 | 22°20 | 29° 5 | 24°48 | 20°36 | 23°13 | 22°14 | 11° 4 | n.a. | M15 |
| T 16 | 14 27 54 | 6°54'55 | 20° 3 | 22°54 | 25°53 | 6° 7 | 25°45 | 22°28 | 29° 4 | 24°46 | 20°36 | 23° 6 | 22°11 | 11°11 | n.a. | T 16 |
| W17 | 14 31 50 | 7°51'59 | 4♉39 | 24°51 | 26°28 | 6° 3 | 25°54 | 22°36 | 29° 4 | 24°45 | 20°36 | 22°56 | 22° 8 | 11°18 | n.a. | W17 |
| T 18 | 14 35 47 | 8°49'02 | 19° 3 | 26°50 | 27° 4 | 5°58 | 26° 3 | 22°44 | 29° 4 | 24°43 | 20°D36 | 22°45 | 22° 5 | 11°24 | n.a. | T 18 |
| F 19 | 14 39 44 | 9°46'06 | 3♊ 7 | 28°51 | 27°41 | 5°52 | 26°11 | 22°51 | 29° 3 | 24°41 | 20°36 | 22°34 | 22° 2 | 11°31 | n.a. | F 19 |
| S 20 | 14 43 40 | 10°43'10 | 16°48 | 0♉53 | 28°19 | 5°46 | 26°19 | 22°59 | 29° 3 | 24°40 | 20°36 | 22°25 | 21°58 | 11°38 | n.a. | S 20 |
| S 21 | 14 47 37 | 11°40'14 | 0♋ 3 | 2°58 | 28°58 | 5°39 | 26°27 | 23° 7 | 29° 3 | 24°38 | 20°36 | 22°17 | 21°55 | 11°44 | n.a. | S 21 |
| M22 | 14 51 33 | 12°37'18 | 12°53 | 5° 4 | 29°39 | 5°31 | 26°35 | 23°14 | 29° 3 | 24°37 | 20°36 | 22°11 | 21°52 | 11°51 | n.a. | M22 |
| T 23 | 14 55 30 | 13°34'22 | 25°21 | 7°12 | 0♈20 | 5°23 | 26°43 | 23°22 | 29° 3 | 24°35 | 20°36 | 22° 9 | 21°49 | 11°58 | n.a. | T 23 |
| W24 | 14 59 26 | 14°31'26 | 7♌32 | 9°20 | 1° 3 | 5°14 | 26°51 | 23°30 | 29°D 3 | 24°34 | 20°36 | 22° 8 | 21°46 | 12° 4 | n.a. | W24 |
| T 25 | 15 3 23 | 15°28'30 | 19°29 | 11°29 | 1°46 | 5° 4 | 26°58 | 23°37 | 29° 3 | 24°32 | 20°36 | 22° 7 | 21°43 | 12°11 | n.a. | T 25 |
| F 26 | 15 7 20 | 16°25'34 | 1♍20 | 13°38 | 2°30 | 4°54 | 27° 5 | 23°45 | 29° 3 | 24°31 | 20°37 | 22° 7 | 21°39 | 12°18 | n.a. | F 26 |
| S 27 | 15 11 16 | 17°22'38 | 13° 8 | 15°47 | 3°15 | 4°43 | 27°13 | 23°52 | 29° 3 | 24°29 | 20°37 | 22° 6 | 21°36 | 12°24 | n.a. | S 27 |
| S 28 | 15 15 13 | 18°19'43 | 24°59 | 17°56 | 4° 1 | 4°31 | 27°20 | 24° 0 | 29° 3 | 24°28 | 20°37 | 22° 3 | 21°33 | 12°31 | n.a. | S 28 |
| M29 | 15 19 9 | 19°16'47 | 6♎58 | 20° 5 | 4°48 | 4°19 | 27°27 | 24° 7 | 29° 3 | 24°27 | 20°38 | 21°57 | 21°30 | 12°37 | n.a. | M29 |
| T 30 | 15 23 6 | 20°13'52 | 19° 8 | 22°13 | 5°36 | 4° 6 | 27°33 | 24°15 | 29° 3 | 24°25 | 20°38 | 21°48 | 21°27 | 12°44 | n.a. | T 30 |
| W31 | 15 27 2 | 21♉10'58 | 1♏32 | 24♉20 | 6♈24 | 3♐53 | 27♒40 | 24♈22 | 29♌ 4 | 24♎24 | 20♌38 | 21♒38 | 21♒24 | 12♍51 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 8n59 | 2s 3 | 2s52 | 2s57 | 3s 5 | 3s37 | 0n19 | 23s17 | 1s39 | 15s16 | 1s20 | 6n19 | 2s 0 | 12n44 | 0n49 | 8s 6 | 1n58 | 31n21 | 17n31 | 13s37 | 14s 8 | 6n48 | | n.a. |
| T 2 | 9 21 | 7 40 | 3 40 | 2 24 | 3 0 | 3 43 | 0 8 | 23 23 | 1 43 | 15 13 | 1 21 | 6 22 | 2 0 | 12 44 | 0 49 | 8 6 | 1 58 | 31 21 | 17 31 | 13 40 | 14 9 | 6 45 | | n.a. |
| W 3 | 9 42 | 13 3 | 4 20 | 1 49 | 2 54 | 3 48 | 0s 2 | 23 28 | 1 47 | 15 9 | 1 21 | 6 25 | 2 0 | 12 44 | 0 49 | 8 5 | 1 58 | 31 20 | 17 30 | 13 43 | 14 10 | 6 41 | | n.a. |
| T 4 | 10 3 | 18 1 | 4 47 | 1 12 | 2 48 | 3 52 | 0 12 | 23 34 | 1 52 | 15 6 | 1 21 | 6 28 | 2 0 | 12 45 | 0 49 | 8 5 | 1 58 | 31 20 | 17 30 | 13 47 | 14 11 | 6 38 | | n.a. |
| F 5 | 10 25 | 22 18 | 5 2 | 0 33 | 2 41 | 3 55 | 0 22 | 23 39 | 1 56 | 15 3 | 1 21 | 6 31 | 2 0 | 12 45 | 0 49 | 8 4 | 1 58 | 31 20 | 17 29 | 13 50 | 14 12 | 6 35 | | n.a. |
| S 6 | 10 45 | 25 35 | 5 1 | 0n 8 | 2 33 | 3 57 | 0 32 | 23 44 | 2 0 | 15 0 | 1 22 | 6 34 | 2 0 | 12 45 | 0 49 | 8 3 | 1 58 | 31 19 | 17 29 | 13 54 | 14 13 | 6 31 | | n.a. |
| S 7 | 11 6 | 27 36 | 4 45 | 0 51 | 2 25 | 3 58 | 0 41 | 23 49 | 2 5 | 14 57 | 1 22 | 6 37 | 2 0 | 12 46 | 0 49 | 8 3 | 1 58 | 31 19 | 17 28 | 13 57 | 14 14 | 6 28 | | n.a. |
| M 8 | 11 27 | 28 7 | 4 14 | 1 35 | 2 16 | 3 57 | 0 50 | 23 54 | 2 9 | 14 54 | 1 22 | 6 40 | 2 0 | 12 46 | 0 49 | 8 2 | 1 58 | 31 19 | 17 28 | 13 59 | 14 15 | 6 25 | | n.a. |
| T 9 | 11 47 | 26 59 | 3 29 | 2 20 | 2 7 | 3 56 | 0 58 | 23 59 | 2 14 | 14 51 | 1 22 | 6 43 | 2 0 | 12 46 | 0 49 | 8 2 | 1 58 | 31 18 | 17 27 | 14 0 | 14 16 | 6 21 | | n.a. |
| W10 | 12 8 | 24 15 | 2 30 | 3 8 | 1 58 | 3 53 | 1 7 | 24 4 | 2 19 | 14 48 | 1 23 | 6 46 | 2 0 | 12 46 | 0 49 | 8 1 | 1 58 | 31 18 | 17 27 | 14 1 | 14 17 | 6 18 | | n.a. |
| T 11 | 12 28 | 20 3 | 1 22 | 3 56 | 1 48 | 3 50 | 1 15 | 24 8 | 2 23 | 14 45 | 1 23 | 6 49 | 2 0 | 12 47 | 0 49 | 8 0 | 1 58 | 31 18 | 17 26 | 14 1 | 14 18 | 6 15 | | n.a. |
| F 12 | 12 48 | 14 40 | 0 8 | 4 46 | 1 37 | 3 46 | 1 22 | 24 13 | 2 28 | 14 42 | 1 23 | 6 52 | 2 0 | 12 47 | 0 49 | 8 0 | 1 58 | 31 17 | 17 26 | 14 0 | 14 20 | 6 11 | | n.a. |
| S 13 | 13 8 | 8 24 | 1n 7 | 5 37 | 1 27 | 3 41 | 1 29 | 24 17 | 2 33 | 14 39 | 1 23 | 6 55 | 2 0 | 12 47 | 0 49 | 7 59 | 1 58 | 31 17 | 17 25 | 14 1 | 14 21 | 6 8 | | n.a. |
| S 14 | 13 27 | 1 38 | 2 20 | 6 29 | 1 16 | 3 35 | 1 36 | 24 22 | 2 37 | 14 36 | 1 24 | 6 58 | 2 0 | 12 47 | 0 49 | 7 59 | 1 58 | 31 16 | 17 24 | 14 1 | 14 22 | 6 5 | | n.a. |
| M15 | 13 47 | 5n16 | 3 23 | 7 22 | 1 5 | 3 28 | 1 43 | 24 26 | 2 42 | 14 33 | 1 24 | 7 1 | 2 0 | 12 47 | 0 49 | 7 58 | 1 58 | 31 16 | 17 24 | 14 3 | 14 23 | 6 1 | | n.a. |
| T 16 | 14 6 | 11 53 | 4 13 | 8 15 | 0 53 | 3 20 | 1 50 | 24 30 | 2 47 | 14 30 | 1 24 | 7 4 | 2 0 | 12 47 | 0 49 | 7 58 | 1 58 | 31 15 | 17 23 | 14 6 | 14 24 | 5 58 | | n.a. |
| W17 | 14 25 | 17 49 | 4 46 | 9 10 | 0 42 | 3 12 | 1 56 | 24 34 | 2 52 | 14 28 | 1 24 | 7 7 | 2 0 | 12 48 | 0 49 | 7 57 | 1 58 | 31 15 | 17 23 | 14 9 | 14 25 | 5 55 | | n.a. |
| T 18 | 14 44 | 22 39 | 5 1 | 10 4 | 0 31 | 3 3 | 2 1 | 24 38 | 2 57 | 14 25 | 1 25 | 7 10 | 2 0 | 12 48 | 0 49 | 7 56 | 1 58 | 31 14 | 17 22 | 14 12 | 14 26 | 5 51 | | n.a. |
| F 19 | 15 2 | 26 3 | 4 56 | 10 59 | 0 19 | 2 53 | 2 7 | 24 42 | 3 2 | 14 22 | 1 25 | 7 13 | 2 0 | 12 48 | 0 49 | 7 56 | 1 58 | 31 14 | 17 22 | 14 16 | 14 27 | 5 48 | | n.a. |
| S 20 | 15 20 | 27 49 | 4 35 | 11 53 | 0 8 | 2 42 | 2 12 | 24 46 | 3 7 | 14 20 | 1 25 | 7 16 | 2 0 | 12 48 | 0 49 | 7 55 | 1 58 | 31 13 | 17 21 | 14 19 | 14 28 | 5 45 | | n.a. |
| S 21 | 15 38 | 27 55 | 3 59 | 12 48 | 0n 3 | 2 30 | 2 17 | 24 49 | 3 11 | 14 17 | 1 26 | 7 19 | 2 0 | 12 48 | 0 49 | 7 55 | 1 58 | 31 13 | 17 21 | 14 22 | 14 29 | 5 41 | | n.a. |
| M22 | 15 56 | 26 28 | 3 12 | 13 41 | 0 14 | 2 18 | 2 22 | 24 52 | 3 16 | 14 15 | 1 26 | 7 22 | 2 0 | 12 48 | 0 49 | 7 54 | 1 58 | 31 12 | 17 20 | 14 24 | 14 30 | 5 38 | | n.a. |
| T 23 | 16 14 | 23 44 | 2 17 | 14 34 | 0 24 | 2 6 | 2 27 | 24 56 | 3 21 | 14 12 | 1 26 | 7 25 | 2 0 | 12 48 | 0 49 | 7 54 | 1 58 | 31 12 | 17 20 | 14 25 | 14 31 | 5 35 | | n.a. |
| W24 | 16 31 | 20 0 | 1 17 | 15 26 | 0 34 | 1 53 | 2 31 | 24 59 | 3 26 | 14 10 | 1 26 | 7 27 | 2 0 | 12 48 | 0 48 | 7 53 | 1 58 | 31 11 | 17 19 | 14 25 | 14 32 | 5 31 | | n.a. |
| T 25 | 16 48 | 15 30 | 0 14 | 16 17 | 0 44 | 1 39 | 2 35 | 25 2 | 3 31 | 14 7 | 1 27 | 7 30 | 2 0 | 12 48 | 0 48 | 7 53 | 1 58 | 31 10 | 17 18 | 14 25 | 14 33 | 5 28 | | n.a. |
| F 26 | 17 5 | 10 28 | 0s49 | 17 6 | 0 53 | 1 24 | 2 39 | 25 4 | 3 36 | 14 5 | 1 27 | 7 33 | 2 0 | 12 48 | 0 48 | 7 52 | 1 58 | 31 10 | 17 18 | 14 25 | 14 34 | 5 25 | | n.a. |
| S 27 | 17 22 | 5 5 | 1 49 | 17 53 | 1 2 | 1 9 | 2 42 | 25 7 | 3 40 | 14 3 | 1 27 | 7 36 | 2 0 | 12 48 | 0 48 | 7 52 | 1 58 | 31 9 | 17 17 | 14 25 | 14 35 | 5 21 | | n.a. |
| S 28 | 17 38 | 0s29 | 2 45 | 18 38 | 1 10 | 0 54 | 2 46 | 25 10 | 3 45 | 14 1 | 1 28 | 7 39 | 2 0 | 12 47 | 0 48 | 7 51 | 1 58 | 31 9 | 17 17 | 14 27 | 14 36 | 5 18 | | n.a. |
| M29 | 17 54 | 6 5 | 3 34 | 19 21 | 1 17 | 0 38 | 2 49 | 25 12 | 3 50 | 13 59 | 1 28 | 7 41 | 2 0 | 12 47 | 0 48 | 7 51 | 1 58 | 31 8 | 17 16 | 14 29 | 14 37 | 5 15 | | n.a. |
| T 30 | 18 10 | 11 32 | 4 13 | 20 2 | 1 24 | 0 21 | 2 52 | 25 14 | 3 55 | 13 56 | 1 28 | 7 44 | 2 0 | 12 47 | 0 48 | 7 50 | 1 57 | 31 7 | 17 16 | 14 31 | 14 38 | 5 11 | | n.a. |
| W31 | 18n25 | 16s38 | 4s42 | 20n41 | 1n30 | 0s 4 | 2s54 | 25s16 | 3s59 | 13s54 | 1s29 | 7n47 | 2s 0 | 12n47 | 0n48 | 7s50 | 1n57 | 31n 7 | 17n15 | 14s35 | 14s39 | 5n 8 | | n.a. |

Julian Day Number = 999809.5, Delta T = 12h52m33s
Ecliptic obliquity = 23°55'26, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'44, Lahiri = -31°11'44 Julian Calendar 1 May 1976 BCE == Greg. Calendar 14 Apr. 1976 BCE

The year -1975 astronomical counting style corresponds to year 1976 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## JUNE 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 30 59 | 22♉ 8'04 | 14♏10 | 26♉26 | 7♈13 | 3°R40 | 27♒47 | 24♈29 | 29♌ 4 | 24°R22 | 20♌39 | 21°R25 | 21♒20 | 12♍57 | n.a. | T 1 |
| F 2 | 15 34 55 | 23° 5'10 | 27° 3 | 28°31 | 8° 3 | 3♐26 | 27°53 | 24°37 | 29° 4 | 24♎21 | 20°39 | 21♒13 | 21°17 | 13° 4 | n.a. | F 2 |
| S 3 | 15 38 52 | 24° 2'18 | 10♐10 | 0♊34 | 8°53 | 3°12 | 27°59 | 24°44 | 29° 5 | 24°20 | 20°40 | 21° 0 | 21°14 | 13°11 | n.a. | S 3 |
| S 4 | 15 42 49 | 24°59'26 | 23°31 | 2°36 | 9°44 | 2°57 | 28° 5 | 24°51 | 29° 5 | 24°18 | 20°40 | 20°50 | 21°11 | 13°17 | n.a. | S 4 |
| M 5 | 15 46 45 | 25°56'35 | 7♑ 2 | 4°36 | 10°36 | 2°42 | 28°11 | 24°59 | 29° 6 | 24°17 | 20°41 | 20°42 | 21° 8 | 13°24 | n.a. | M 5 |
| T 6 | 15 50 42 | 26°53'45 | 20°43 | 6°35 | 11°28 | 2°26 | 28°17 | 25° 6 | 29° 7 | 24°16 | 20°42 | 20°38 | 21° 4 | 13°31 | n.a. | T 6 |
| W 7 | 15 54 38 | 27°50'56 | 4♒32 | 8°33 | 12°21 | 2°11 | 28°22 | 25°13 | 29° 7 | 24°14 | 20°42 | 20°35 | 21° 1 | 13°37 | n.a. | W 7 |
| T 8 | 15 58 35 | 28°48'07 | 18°28 | 10°28 | 13°15 | 1°55 | 28°28 | 25°20 | 29° 8 | 24°13 | 20°43 | 20°D35 | 20°58 | 13°44 | n.a. | T 8 |
| F 9 | 16 2 31 | 29°45'20 | 2♓32 | 12°22 | 14° 9 | 1°39 | 28°33 | 25°27 | 29° 9 | 24°12 | 20°44 | 20°R35 | 20°55 | 13°51 | n.a. | F 9 |
| S 10 | 16 6 28 | 0♊42'35 | 16°42 | 14°14 | 15° 4 | 1°23 | 28°38 | 25°34 | 29°10 | 24°11 | 20°44 | 20°34 | 20°52 | 13°57 | n.a. | S 10 |
| S 11 | 16 10 25 | 1°39'50 | 0♈57 | 16° 5 | 15°59 | 1° 7 | 28°43 | 25°41 | 29°11 | 24° 9 | 20°45 | 20°32 | 20°49 | 14° 4 | n.a. | S 11 |
| M12 | 16 14 21 | 2°37'07 | 15°16 | 17°54 | 16°55 | 0°51 | 28°47 | 25°48 | 29°12 | 24° 8 | 20°46 | 20°27 | 20°45 | 14°11 | n.a. | M12 |
| T 13 | 16 18 18 | 3°34'24 | 29°33 | 19°41 | 17°51 | 0°35 | 28°52 | 25°55 | 29°13 | 24° 7 | 20°47 | 20°19 | 20°42 | 14°17 | n.a. | T 13 |
| W14 | 16 22 14 | 4°31'43 | 13♉45 | 21°27 | 18°47 | 0°19 | 28°56 | 26° 2 | 29°14 | 24° 6 | 20°48 | 20° 9 | 20°39 | 14°24 | n.a. | W14 |
| T 15 | 16 26 11 | 5°29'04 | 27°47 | 23°10 | 19°44 | 0° 3 | 29° 0 | 26° 8 | 29°15 | 24° 5 | 20°49 | 19°58 | 20°36 | 14°31 | n.a. | T 15 |
| F 16 | 16 30 7 | 6°26'25 | 11♊33 | 24°52 | 20°42 | 29♏47 | 29° 4 | 26°15 | 29°16 | 24° 4 | 20°50 | 19°47 | 20°33 | 14°37 | n.a. | F 16 |
| S 17 | 16 34 4 | 7°23'48 | 25° 1 | 26°33 | 21°40 | 29°32 | 29° 8 | 26°22 | 29°17 | 24° 3 | 20°51 | 19°37 | 20°30 | 14°44 | n.a. | S 17 |
| S 18 | 16 38 1 | 8°21'11 | 8♋ 7 | 28°12 | 22°38 | 29°17 | 29°12 | 26°29 | 29°18 | 24° 2 | 20°52 | 19°28 | 20°26 | 14°51 | n.a. | S 18 |
| M19 | 16 41 57 | 9°18'36 | 20°52 | 29°49 | 23°37 | 29° 2 | 29°15 | 26°35 | 29°20 | 24° 1 | 20°53 | 19°23 | 20°23 | 14°57 | n.a. | M19 |
| T 20 | 16 45 54 | 10°16'01 | 3♌18 | 1♋24 | 24°36 | 28°47 | 29°18 | 26°42 | 29°21 | 24° 0 | 20°54 | 19°19 | 20°20 | 15° 4 | n.a. | T 20 |
| W21 | 16 49 50 | 11°13'28 | 15°28 | 2°58 | 25°36 | 28°33 | 29°21 | 26°48 | 29°22 | 23°59 | 20°55 | 19°D18 | 20°17 | 15°11 | n.a. | W21 |
| T 22 | 16 53 47 | 12°10'55 | 27°25 | 4°30 | 26°35 | 28°19 | 29°24 | 26°54 | 29°24 | 23°58 | 20°56 | 19°18 | 20°14 | 15°17 | n.a. | T 22 |
| F 23 | 16 57 43 | 13° 8'23 | 9♍16 | 6° 1 | 27°36 | 28° 6 | 29°27 | 27° 1 | 29°25 | 23°57 | 20°57 | 19°R19 | 20°10 | 15°24 | n.a. | F 23 |
| S 24 | 17 1 40 | 14° 5'53 | 21° 5 | 7°30 | 28°36 | 27°53 | 29°29 | 27° 7 | 29°27 | 23°56 | 20°58 | 19°18 | 20° 7 | 15°31 | n.a. | S 24 |
| S 25 | 17 5 36 | 15° 3'23 | 2♎59 | 8°57 | 29°37 | 27°41 | 29°32 | 27°13 | 29°28 | 23°55 | 21° 0 | 19°17 | 20° 4 | 15°37 | n.a. | S 25 |
| M26 | 17 9 33 | 16° 0'55 | 15° 0 | 10°22 | 0♉38 | 27°30 | 29°34 | 27°19 | 29°30 | 23°54 | 21° 1 | 19°13 | 20° 1 | 15°44 | n.a. | M26 |
| T 27 | 17 13 30 | 16°58'28 | 27°15 | 11°46 | 1°40 | 27°19 | 29°36 | 27°26 | 29°32 | 23°53 | 21° 2 | 19° 7 | 19°58 | 15°51 | n.a. | T 27 |
| W28 | 17 17 26 | 17°56'02 | 9♏47 | 13° 7 | 2°41 | 27° 8 | 29°38 | 27°32 | 29°34 | 23°52 | 21° 3 | 18°59 | 19°55 | 15°57 | n.a. | W28 |
| T 29 | 17 21 23 | 18°53'37 | 22°37 | 14°27 | 3°44 | 26°59 | 29°39 | 27°38 | 29°35 | 23°52 | 21° 5 | 18°49 | 19°51 | 16° 4 | n.a. | T 29 |
| F 30 | 17 25 19 | 19♊51'14 | 5♐46 | 15♋45 | 4♉46 | 26♏50 | 29♒40 | 27♈44 | 29♌37 | 23♎51 | 21♌ 6 | 18♒39 | 19♒48 | 16♍11 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n40 | 21s 8 | 4s58 | 21n17 | 1n35 | 0n13 | 2s57 | 25s18 | 4s 4 | 13s52 | 1s29 | 7n49 | 2s 0 | 12n47 | 0n48 | 7s49 | 1n57 | 31n 6 | 17n15 | 14s39 | 14s40 | 5n 5 | | n.a. |
| F 2 | 18 55 | 24 44 | 4 59 | 21 51 | 1 40 | 0 31 | 2 59 | 25 19 | 4 8 | 13 50 | 1 29 | 7 52 | 2 0 | 12 47 | 0 48 | 7 49 | 1 57 | 31 5 | 17 14 | 14 43 | 14 42 | 5 1 | | n.a. |
| S 3 | 19 10 | 27 6 | 4 44 | 22 23 | 1 44 | 0 50 | 3 1 | 25 21 | 4 12 | 13 49 | 1 29 | 7 55 | 2 0 | 12 46 | 0 48 | 7 48 | 1 57 | 31 5 | 17 13 | 14 47 | 14 43 | 4 58 | | n.a. |
| S 4 | 19 24 | 27 59 | 4 13 | 22 51 | 1 47 | 1 8 | 3 3 | 25 22 | 4 17 | 13 47 | 1 30 | 7 57 | 2 0 | 12 46 | 0 48 | 7 48 | 1 57 | 31 4 | 17 13 | 14 50 | 14 44 | 4 55 | | n.a. |
| M 5 | 19 38 | 27 12 | 3 28 | 23 17 | 1 50 | 1 27 | 3 5 | 25 23 | 4 21 | 13 45 | 1 30 | 8 0 | 2 0 | 12 46 | 0 48 | 7 47 | 1 57 | 31 3 | 17 12 | 14 53 | 14 45 | 4 51 | | n.a. |
| T 6 | 19 51 | 24 47 | 2 31 | 23 41 | 1 52 | 1 47 | 3 6 | 25 24 | 4 25 | 13 43 | 1 30 | 8 3 | 2 0 | 12 46 | 0 48 | 7 47 | 1 57 | 31 2 | 17 12 | 14 54 | 14 46 | 4 48 | | n.a. |
| W 7 | 20 5 | 20 52 | 1 24 | 24 2 | 1 53 | 2 7 | 3 8 | 25 24 | 4 29 | 13 42 | 1 31 | 8 5 | 2 0 | 12 45 | 0 48 | 7 46 | 1 57 | 31 2 | 17 11 | 14 55 | 14 47 | 4 44 | | n.a. |
| T 8 | 20 18 | 15 46 | 0 11 | 24 21 | 1 54 | 2 27 | 3 9 | 25 25 | 4 33 | 13 40 | 1 31 | 8 8 | 2 0 | 12 45 | 0 48 | 7 46 | 1 57 | 31 1 | 17 11 | 14 55 | 14 48 | 4 41 | | n.a. |
| F 9 | 20 30 | 9 48 | 1n 3 | 24 37 | 1 54 | 2 47 | 3 10 | 25 25 | 4 37 | 13 38 | 1 31 | 8 10 | 2 0 | 12 45 | 0 48 | 7 46 | 1 57 | 31 0 | 17 10 | 14 55 | 14 49 | 4 38 | | n.a. |
| S 10 | 20 43 | 3 19 | 2 14 | 24 51 | 1 54 | 3 8 | 3 10 | 25 25 | 4 40 | 13 37 | 1 32 | 8 13 | 2 0 | 12 44 | 0 48 | 7 45 | 1 57 | 30 59 | 17 10 | 14 56 | 14 50 | 4 34 | | n.a. |
| S 11 | 20 55 | 3n23 | 3 16 | 25 3 | 1 53 | 3 29 | 3 11 | 25 25 | 4 44 | 13 35 | 1 32 | 8 15 | 2 0 | 12 44 | 0 48 | 7 45 | 1 57 | 30 59 | 17 9 | 14 56 | 14 51 | 4 31 | | n.a. |
| M12 | 21 6 | 9 54 | 4 7 | 25 12 | 1 51 | 3 50 | 3 12 | 25 25 | 4 47 | 13 34 | 1 32 | 8 18 | 2 1 | 12 44 | 0 48 | 7 44 | 1 57 | 30 58 | 17 8 | 14 58 | 14 52 | 4 28 | | n.a. |
| T 13 | 21 18 | 15 55 | 4 42 | 25 19 | 1 49 | 4 11 | 3 12 | 25 24 | 4 50 | 13 33 | 1 33 | 8 20 | 2 1 | 12 43 | 0 48 | 7 44 | 1 57 | 30 57 | 17 8 | 15 0 | 14 53 | 4 24 | | n.a. |
| W14 | 21 28 | 21 2 | 4 59 | 25 25 | 1 46 | 4 33 | 3 12 | 25 24 | 4 53 | 13 32 | 1 33 | 8 23 | 2 1 | 12 43 | 0 48 | 7 44 | 1 57 | 30 56 | 17 7 | 15 4 | 14 54 | 4 21 | | n.a. |
| T 15 | 21 39 | 24 54 | 4 59 | 25 28 | 1 43 | 4 55 | 3 12 | 25 23 | 4 56 | 13 30 | 1 33 | 8 25 | 2 1 | 12 42 | 0 47 | 7 43 | 1 57 | 30 55 | 17 7 | 15 7 | 14 55 | 4 18 | | n.a. |
| F 16 | 21 49 | 27 15 | 4 40 | 25 29 | 1 40 | 5 17 | 3 12 | 25 22 | 4 59 | 13 29 | 1 34 | 8 28 | 2 1 | 12 42 | 0 47 | 7 43 | 1 57 | 30 55 | 17 6 | 15 11 | 14 56 | 4 14 | | n.a. |
| S 17 | 21 59 | 27 56 | 4 6 | 25 28 | 1 35 | 5 39 | 3 12 | 25 21 | 5 2 | 13 28 | 1 34 | 8 30 | 2 1 | 12 42 | 0 47 | 7 42 | 1 57 | 30 54 | 17 6 | 15 14 | 14 57 | 4 11 | | n.a. |
| S 18 | 22 9 | 27 0 | 3 20 | 25 26 | 1 31 | 6 1 | 3 12 | 25 20 | 5 4 | 13 27 | 1 34 | 8 32 | 2 1 | 12 41 | 0 47 | 7 42 | 1 57 | 30 53 | 17 5 | 15 17 | 14 58 | 4 8 | | n.a. |
| M19 | 22 18 | 24 39 | 2 25 | 25 21 | 1 26 | 6 24 | 3 11 | 25 19 | 5 6 | 13 26 | 1 35 | 8 35 | 2 1 | 12 41 | 0 47 | 7 42 | 1 57 | 30 52 | 17 5 | 15 19 | 14 59 | 4 4 | | n.a. |
| T 20 | 22 26 | 21 10 | 1 24 | 25 15 | 1 20 | 6 46 | 3 10 | 25 18 | 5 9 | 13 26 | 1 35 | 8 37 | 2 1 | 12 40 | 0 47 | 7 41 | 1 57 | 30 51 | 17 4 | 15 20 | 15 0 | 4 1 | | n.a. |
| W21 | 22 35 | 16 51 | 0 20 | 25 8 | 1 15 | 7 9 | 3 10 | 25 17 | 5 11 | 13 25 | 1 35 | 8 39 | 2 1 | 12 39 | 0 47 | 7 41 | 1 56 | 30 50 | 17 4 | 15 20 | 15 1 | 3 58 | | n.a. |
| T 22 | 22 43 | 11 56 | 0s43 | 24 59 | 1 8 | 7 32 | 3 9 | 25 15 | 5 13 | 13 24 | 1 36 | 8 42 | 2 1 | 12 39 | 0 47 | 7 41 | 1 56 | 30 49 | 17 3 | 15 20 | 15 2 | 3 54 | | n.a. |
| F 23 | 22 50 | 6 39 | 1 44 | 24 49 | 1 2 | 7 55 | 3 8 | 25 14 | 5 14 | 13 23 | 1 36 | 8 44 | 2 1 | 12 38 | 0 47 | 7 41 | 1 56 | 30 49 | 17 3 | 15 20 | 15 3 | 3 51 | | n.a. |
| S 24 | 22 57 | 1 8 | 2 41 | 24 37 | 0 55 | 8 18 | 3 7 | 25 12 | 5 16 | 13 23 | 1 36 | 8 46 | 2 2 | 12 38 | 0 47 | 7 40 | 1 56 | 30 48 | 17 2 | 15 20 | 15 4 | 3 47 | | n.a. |
| S 25 | 23 4 | 4s25 | 3 31 | 24 25 | 0 48 | 8 41 | 3 5 | 25 11 | 5 17 | 13 22 | 1 37 | 8 48 | 2 2 | 12 37 | 0 47 | 7 40 | 1 56 | 30 47 | 17 2 | 15 20 | 15 5 | 3 44 | | n.a. |
| M26 | 23 10 | 9 53 | 4 12 | 24 11 | 0 40 | 9 4 | 3 4 | 25 9 | 5 18 | 13 22 | 1 37 | 8 50 | 2 2 | 12 37 | 0 47 | 7 40 | 1 56 | 30 46 | 17 1 | 15 22 | 15 6 | 3 41 | | n.a. |
| T 27 | 23 16 | 15 5 | 4 43 | 23 56 | 0 32 | 9 27 | 3 2 | 25 8 | 5 20 | 13 21 | 1 37 | 8 52 | 2 2 | 12 36 | 0 47 | 7 39 | 1 56 | 30 45 | 17 1 | 15 24 | 15 7 | 3 37 | | n.a. |
| W28 | 23 22 | 19 46 | 5 0 | 23 40 | 0 24 | 9 50 | 3 1 | 25 6 | 5 21 | 13 21 | 1 38 | 8 55 | 2 2 | 12 35 | 0 47 | 7 39 | 1 56 | 30 44 | 17 0 | 15 26 | 15 8 | 3 34 | | n.a. |
| T 29 | 23 27 | 23 41 | 5 4 | 23 23 | 0 16 | 10 13 | 2 59 | 25 5 | 5 21 | 13 21 | 1 38 | 8 57 | 2 2 | 12 35 | 0 47 | 7 39 | 1 56 | 30 43 | 17 0 | 15 29 | 15 9 | 3 31 | | n.a. |
| F 30 | 23n32 | 26s28 | 4s51 | 23n 5 | 0n 7 | 10n35 | 2s57 | 25s 3 | 5s22 | 13s21 | 1s38 | 8n59 | 2s 2 | 12n34 | 0n47 | 7s39 | 1n56 | 30n42 | 16n59 | 15s32 | 15s10 | 3n27 | | n.a. |

Julian Day Number = 999840.5, Delta T = 12h52m30s
Ecliptic obliquity = 23°55'25, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'40, Lahiri = -31°11'40 Julian Calendar 1 June 1976 BCE == Greg. Calendar 15 May 1976 BCE


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## JULY 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 29 16 | 20♊48'52 | 19♐14 | 17♋ 1 | 5♉49 | 26°R41 | 29♒42 | 27♈49 | 29♌39 | 23°R50 | 21♌ 7 | 18°R30 | 19♒45 | 16♍17 | n.a. | S 1 |
| S 2 | 17 33 12 | 21°46'32 | 2♑57 | 18°16 | 6°52 | 26♏34 | 29°43 | 27°55 | 29°41 | 23♎50 | 21° 9 | 18♒22 | 19°42 | 16°24 | n.a. | S 2 |
| M 3 | 17 37 9 | 22°44'13 | 16°53 | 19°28 | 7°55 | 26°27 | 29°43 | 28° 1 | 29°43 | 23°49 | 21°10 | 18°16 | 19°39 | 16°31 | n.a. | M 3 |
| T 4 | 17 41 5 | 23°41'56 | 0♒58 | 20°38 | 8°58 | 26°21 | 29°44 | 28° 6 | 29°45 | 23°48 | 21°12 | 18°12 | 19°36 | 16°37 | n.a. | T 4 |
| W 5 | 17 45 2 | 24°39'41 | 15° 8 | 21°46 | 10° 2 | 26°15 | 29°44 | 28°12 | 29°47 | 23°48 | 21°13 | 18°D11 | 19°32 | 16°44 | n.a. | W 5 |
| T 6 | 17 48 59 | 25°37'28 | 29°20 | 22°51 | 11° 6 | 26°10 | 29°R44 | 28°18 | 29°49 | 23°47 | 21°15 | 18°11 | 19°29 | 16°51 | n.a. | T 6 |
| F 7 | 17 52 55 | 26°35'16 | 13♓32 | 23°54 | 12°11 | 26° 7 | 29°44 | 28°23 | 29°51 | 23°47 | 21°16 | 18°12 | 19°26 | 16°57 | n.a. | F 7 |
| S 8 | 17 56 52 | 27°33'06 | 27°42 | 24°55 | 13°15 | 26° 4 | 29°44 | 28°28 | 29°54 | 23°46 | 21°18 | 18°R13 | 19°23 | 17° 4 | n.a. | S 8 |
| S 9 | 18 0 48 | 28°30'59 | 11♈48 | 25°52 | 14°20 | 26° 1 | 29°44 | 28°34 | 29°56 | 23°46 | 21°20 | 18°12 | 19°20 | 17°11 | n.a. | S 9 |
| M10 | 18 4 45 | 29°28'53 | 25°50 | 26°47 | 15°25 | 26° 0 | 29°43 | 28°39 | 29°58 | 23°45 | 21°21 | 18° 9 | 19°16 | 17°17 | n.a. | M10 |
| T 11 | 18 8 41 | 0♋26'50 | 9♉45 | 27°39 | 16°30 | 25°D59 | 29°42 | 28°44 | 0♍ 0 | 23°45 | 21°23 | 18° 4 | 19°13 | 17°24 | n.a. | T 11 |
| W12 | 18 12 38 | 1°24'49 | 23°32 | 28°28 | 17°36 | 25°59 | 29°41 | 28°49 | 0° 3 | 23°44 | 21°25 | 17°58 | 19°10 | 17°31 | n.a. | W12 |
| T 13 | 18 16 34 | 2°22'49 | 7♊ 7 | 29°14 | 18°41 | 26° 0 | 29°40 | 28°54 | 0° 5 | 23°44 | 21°26 | 17°51 | 19° 7 | 17°37 | n.a. | T 13 |
| F 14 | 18 20 31 | 3°20'52 | 20°29 | 29°56 | 19°47 | 26° 2 | 29°39 | 28°59 | 0° 8 | 23°44 | 21°28 | 17°43 | 19° 4 | 17°44 | n.a. | F 14 |
| S 15 | 18 24 28 | 4°18'57 | 3♋36 | 0♌34 | 20°53 | 26° 4 | 29°37 | 29° 4 | 0°10 | 23°44 | 21°30 | 17°36 | 19° 1 | 17°51 | n.a. | S 15 |
| S 16 | 18 28 24 | 5°17'03 | 16°27 | 1° 9 | 22° 0 | 26° 8 | 29°35 | 29° 8 | 0°13 | 23°43 | 21°32 | 17°31 | 18°57 | 17°57 | n.a. | S 16 |
| M17 | 18 32 21 | 6°15'11 | 29° 1 | 1°39 | 23° 6 | 26°12 | 29°33 | 29°13 | 0°15 | 23°43 | 21°33 | 17°27 | 18°54 | 18° 4 | n.a. | M17 |
| T 18 | 18 36 17 | 7°13'21 | 11♌19 | 2° 4 | 24°13 | 26°17 | 29°31 | 29°18 | 0°18 | 23°43 | 21°35 | 17°25 | 18°51 | 18°11 | n.a. | T 18 |
| W19 | 18 40 14 | 8°11'33 | 23°25 | 2°25 | 25°20 | 26°22 | 29°29 | 29°22 | 0°20 | 23°43 | 21°37 | 17°D25 | 18°48 | 18°17 | n.a. | W19 |
| T 20 | 18 44 10 | 9° 9'46 | 5♍21 | 2°40 | 26°27 | 26°29 | 29°26 | 29°26 | 0°23 | 23°43 | 21°39 | 17°26 | 18°45 | 18°24 | n.a. | T 20 |
| F 21 | 18 48 7 | 10° 8'01 | 17°11 | 2°50 | 27°34 | 26°36 | 29°23 | 29°31 | 0°26 | 23°43 | 21°41 | 17°28 | 18°42 | 18°31 | n.a. | F 21 |
| S 22 | 18 52 3 | 11° 6'18 | 29° 0 | 2°R55 | 28°41 | 26°44 | 29°20 | 29°35 | 0°29 | 23°42 | 21°43 | 17°30 | 18°38 | 18°37 | n.a. | S 22 |
| S 23 | 18 56 0 | 12° 4'36 | 10♎53 | 2°53 | 29°49 | 26°53 | 29°17 | 29°39 | 0°31 | 23°D42 | 21°45 | 17°R30 | 18°35 | 18°44 | n.a. | S 23 |
| M24 | 18 59 57 | 13° 2'56 | 22°55 | 2°46 | 0♊57 | 27° 3 | 29°14 | 29°43 | 0°34 | 23°42 | 21°47 | 17°30 | 18°32 | 18°51 | n.a. | M24 |
| T 25 | 19 3 53 | 14° 1'18 | 5♏10 | 2°31 | 2° 5 | 27°13 | 29°10 | 29°47 | 0°37 | 23°42 | 21°49 | 17°28 | 18°29 | 18°57 | n.a. | T 25 |
| W26 | 19 7 50 | 14°59'42 | 17°44 | 2°11 | 3°13 | 27°24 | 29° 6 | 29°51 | 0°40 | 23°43 | 21°51 | 17°24 | 18°26 | 19° 4 | n.a. | W26 |
| T 27 | 19 11 46 | 15°58'08 | 0♐38 | 1°43 | 4°21 | 27°36 | 29° 2 | 29°55 | 0°43 | 23°43 | 21°53 | 17°20 | 18°22 | 19°11 | n.a. | T 27 |
| F 28 | 19 15 43 | 16°56'35 | 13°56 | 1°10 | 5°29 | 27°48 | 28°58 | 29°58 | 0°46 | 23°43 | 21°55 | 17°15 | 18°19 | 19°17 | n.a. | F 28 |
| S 29 | 19 19 39 | 17°55'05 | 27°37 | 0°30 | 6°38 | 28° 2 | 28°54 | 0♉ 2 | 0°49 | 23°43 | 21°57 | 17°11 | 18°16 | 19°24 | n.a. | S 29 |
| S 30 | 19 23 36 | 18°53'36 | 11♑38 | 29♋44 | 7°47 | 28°15 | 28°50 | 0° 5 | 0°52 | 23°43 | 21°59 | 17° 7 | 18°13 | 19°31 | n.a. | S 30 |
| M31 | 19 27 32 | 19♋52'10 | 25♑57 | 28♋52 | 8♊55 | 28♏30 | 28♒45 | 0♉ 9 | 0♍55 | 23♎43 | 22♌ 1 | 17♒ 4 | 18♒10 | 19♍37 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n36 | 27s50 | 4s22 | 22n47 | 0s 2 | 10n58 | 2s55 | 25s 2 | 5s23 | 13s21 | 1s39 | 9n 1 | 2s 2 | 12n33 | 0n47 | 7s39 | 1n56 | 30n41 | 16n59 | 15s35 | 15s11 | 3n24 | | n.a. |
| S 2 | 23 40 | 27 31 | 3 38 | 22 28 | 0 11 | 11 21 | 2 53 | 25 0 | 5 23 | 13 21 | 1 39 | 9 3 | 2 2 | 12 32 | 0 47 | 7 38 | 1 56 | 30 40 | 16 58 | 15 38 | 15 12 | 3 21 | | n.a. |
| M 3 | 23 43 | 25 28 | 2 40 | 22 8 | 0 21 | 11 44 | 2 51 | 24 59 | 5 23 | 13 21 | 1 39 | 9 5 | 2 3 | 12 32 | 0 47 | 7 38 | 1 56 | 30 39 | 16 58 | 15 40 | 15 13 | 3 17 | | n.a. |
| T 4 | 23 46 | 21 50 | 1 31 | 21 48 | 0 31 | 12 7 | 2 49 | 24 57 | 5 23 | 13 21 | 1 40 | 9 7 | 2 3 | 12 31 | 0 47 | 7 38 | 1 56 | 30 39 | 16 57 | 15 41 | 15 14 | 3 14 | | n.a. |
| W 5 | 23 49 | 16 53 | 0 16 | 21 28 | 0 40 | 12 29 | 2 47 | 24 56 | 5 23 | 13 21 | 1 40 | 9 9 | 2 3 | 12 30 | 0 47 | 7 38 | 1 56 | 30 38 | 16 57 | 15 41 | 15 15 | 3 11 | | n.a. |
| T 6 | 23 51 | 11 0 | 1n 0 | 21 7 | 0 51 | 12 52 | 2 45 | 24 55 | 5 23 | 13 21 | 1 40 | 9 10 | 2 3 | 12 29 | 0 47 | 7 38 | 1 56 | 30 37 | 16 57 | 15 41 | 15 16 | 3 7 | | n.a. |
| F 7 | 23 53 | 4 35 | 2 12 | 20 46 | 1 1 | 13 14 | 2 42 | 24 53 | 5 23 | 13 22 | 1 41 | 9 12 | 2 3 | 12 28 | 0 47 | 7 38 | 1 56 | 30 36 | 16 56 | 15 41 | 15 17 | 3 4 | | n.a. |
| S 8 | 23 54 | 2n 3 | 3 16 | 20 25 | 1 11 | 13 36 | 2 40 | 24 52 | 5 23 | 13 22 | 1 41 | 9 14 | 2 3 | 12 28 | 0 47 | 7 37 | 1 55 | 30 35 | 16 56 | 15 41 | 15 18 | 3 1 | | n.a. |
| S 9 | 23 55 | 8 33 | 4 8 | 20 4 | 1 22 | 13 58 | 2 37 | 24 51 | 5 22 | 13 22 | 1 41 | 9 16 | 2 3 | 12 27 | 0 47 | 7 37 | 1 55 | 30 34 | 16 55 | 15 41 | 15 19 | 2 57 | | n.a. |
| M10 | 23 55 | 14 35 | 4 45 | 19 43 | 1 32 | 14 20 | 2 34 | 24 50 | 5 22 | 13 23 | 1 42 | 9 18 | 2 3 | 12 26 | 0 46 | 7 37 | 1 55 | 30 33 | 16 55 | 15 42 | 15 21 | 2 54 | | n.a. |
| T 11 | 23 55 | 19 50 | 5 5 | 19 22 | 1 43 | 14 41 | 2 32 | 24 50 | 5 21 | 13 24 | 1 42 | 9 19 | 2 4 | 12 25 | 0 46 | 7 37 | 1 55 | 30 32 | 16 54 | 15 43 | 15 22 | 2 50 | | n.a. |
| W12 | 23 55 | 23 58 | 5 6 | 19 2 | 1 54 | 15 3 | 2 29 | 24 49 | 5 20 | 13 24 | 1 42 | 9 21 | 2 4 | 12 24 | 0 46 | 7 37 | 1 55 | 30 31 | 16 54 | 15 45 | 15 23 | 2 47 | | n.a. |
| T 13 | 23 54 | 26 43 | 4 51 | 18 42 | 2 5 | 15 24 | 2 26 | 24 48 | 5 19 | 13 25 | 1 43 | 9 23 | 2 4 | 12 23 | 0 46 | 7 37 | 1 55 | 30 30 | 16 54 | 15 48 | 15 24 | 2 44 | | n.a. |
| F 14 | 23 53 | 27 53 | 4 19 | 18 22 | 2 15 | 15 45 | 2 23 | 24 48 | 5 18 | 13 26 | 1 43 | 9 24 | 2 4 | 12 22 | 0 46 | 7 37 | 1 55 | 30 29 | 16 53 | 15 50 | 15 25 | 2 40 | | n.a. |
| S 15 | 23 51 | 27 27 | 3 35 | 18 4 | 2 26 | 16 6 | 2 20 | 24 47 | 5 17 | 13 27 | 1 43 | 9 26 | 2 4 | 12 21 | 0 46 | 7 37 | 1 55 | 30 28 | 16 53 | 15 52 | 15 26 | 2 37 | | n.a. |
| S 16 | 23 49 | 25 32 | 2 40 | 17 46 | 2 37 | 16 26 | 2 17 | 24 47 | 5 16 | 13 28 | 1 44 | 9 27 | 2 4 | 12 21 | 0 46 | 7 37 | 1 55 | 30 27 | 16 52 | 15 54 | 15 27 | 2 34 | | n.a. |
| M17 | 23 46 | 22 22 | 1 38 | 17 29 | 2 47 | 16 46 | 2 14 | 24 47 | 5 15 | 13 29 | 1 44 | 9 29 | 2 4 | 12 20 | 0 46 | 7 37 | 1 55 | 30 26 | 16 52 | 15 55 | 15 28 | 2 30 | | n.a. |
| T 18 | 23 43 | 18 16 | 0 33 | 17 13 | 2 58 | 17 6 | 2 11 | 24 47 | 5 14 | 13 30 | 1 44 | 9 30 | 2 5 | 12 19 | 0 46 | 7 37 | 1 55 | 30 25 | 16 52 | 15 55 | 15 29 | 2 27 | | n.a. |
| W19 | 23 40 | 13 28 | 0s33 | 16 59 | 3 8 | 17 25 | 2 7 | 24 47 | 5 12 | 13 31 | 1 45 | 9 32 | 2 5 | 12 18 | 0 46 | 7 37 | 1 55 | 30 24 | 16 51 | 15 55 | 15 30 | 2 24 | | n.a. |
| T 20 | 23 36 | 8 15 | 1 36 | 16 46 | 3 17 | 17 44 | 2 4 | 24 47 | 5 11 | 13 32 | 1 45 | 9 33 | 2 5 | 12 17 | 0 46 | 7 37 | 1 55 | 30 23 | 16 51 | 15 55 | 15 31 | 2 20 | | n.a. |
| F 21 | 23 32 | 2 47 | 2 35 | 16 34 | 3 26 | 18 3 | 2 1 | 24 48 | 5 10 | 13 34 | 1 45 | 9 35 | 2 5 | 12 16 | 0 46 | 7 37 | 1 55 | 30 22 | 16 51 | 15 55 | 15 32 | 2 17 | | n.a. |
| S 22 | 23 27 | 2s45 | 3 27 | 16 25 | 3 35 | 18 22 | 1 58 | 24 48 | 5 8 | 13 35 | 1 46 | 9 36 | 2 5 | 12 15 | 0 46 | 7 37 | 1 54 | 30 21 | 16 50 | 15 54 | 15 33 | 2 14 | | n.a. |
| S 23 | 23 22 | 8 13 | 4 11 | 16 17 | 3 43 | 18 40 | 1 54 | 24 49 | 5 7 | 13 36 | 1 46 | 9 37 | 2 5 | 12 14 | 0 46 | 7 37 | 1 54 | 30 20 | 16 50 | 15 54 | 15 34 | 2 10 | | n.a. |
| M24 | 23 16 | 13 28 | 4 44 | 16 12 | 3 51 | 18 57 | 1 51 | 24 50 | 5 5 | 13 38 | 1 46 | 9 39 | 2 5 | 12 12 | 0 46 | 7 37 | 1 54 | 30 19 | 16 50 | 15 54 | 15 35 | 2 7 | | n.a. |
| T 25 | 23 10 | 18 17 | 5 5 | 16 9 | 3 57 | 19 15 | 1 47 | 24 51 | 5 3 | 13 39 | 1 47 | 9 40 | 2 6 | 12 11 | 0 46 | 7 37 | 1 54 | 30 18 | 16 49 | 15 55 | 15 36 | 2 4 | | n.a. |
| W26 | 23 4 | 22 27 | 5 12 | 16 8 | 4 2 | 19 32 | 1 44 | 24 52 | 5 1 | 13 41 | 1 47 | 9 41 | 2 6 | 12 10 | 0 46 | 7 37 | 1 54 | 30 17 | 16 49 | 15 56 | 15 37 | 2 0 | | n.a. |
| T 27 | 22 57 | 25 39 | 5 4 | 16 10 | 4 6 | 19 48 | 1 40 | 24 53 | 5 0 | 13 43 | 1 47 | 9 42 | 2 6 | 12 9 | 0 46 | 7 37 | 1 54 | 30 16 | 16 49 | 15 57 | 15 38 | 1 57 | | n.a. |
| F 28 | 22 49 | 27 33 | 4 40 | 16 15 | 4 9 | 20 4 | 1 37 | 24 54 | 4 58 | 13 44 | 1 48 | 9 44 | 2 6 | 12 8 | 0 46 | 7 37 | 1 54 | 30 15 | 16 48 | 15 59 | 15 39 | 1 53 | | n.a. |
| S 29 | 22 42 | 27 53 | 3 58 | 16 23 | 4 11 | 20 19 | 1 33 | 24 55 | 4 56 | 13 46 | 1 48 | 9 45 | 2 6 | 12 7 | 0 46 | 7 38 | 1 54 | 30 14 | 16 48 | 16 0 | 15 40 | 1 50 | | n.a. |
| S 30 | 22 34 | 26 26 | 3 2 | 16 33 | 4 10 | 20 35 | 1 30 | 24 57 | 4 54 | 13 48 | 1 48 | 9 46 | 2 6 | 12 6 | 0 46 | 7 38 | 1 54 | 30 13 | 16 48 | 16 1 | 15 41 | 1 47 | | n.a. |
| M31 | 22n25 | 23s14 | 1s53 | 16n46 | 4s 8 | 20n49 | 1s26 | 24s58 | 4s52 | 13s50 | 1s48 | 9n47 | 2s 7 | 12n 5 | 0n46 | 7s38 | 1n54 | 30n12 | 16n47 | 16s 2 | 15s42 | 1n43 | | n.a. |

Julian Day Number = 999870.5, Delta T = 12h52m28s
Ecliptic obliquity = 23°55'24, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'36, Lahiri = -31°11'36 Julian Calendar 1 July 1976 BCE == Greg. Calendar 14 June 1976 BCE

The year -1975 astronomical counting style corresponds to year 1976 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## AUGUST 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 31 29 | 20♋50'46 | 10♒28 | 27°R56 | 10♊ 4 | 28♏45 | 28°R40 | 0♉12 | 0♍58 | 23♎44 | 22♌ 3 | 17°D 3 | 18♒ 7 | 19♍44 | n.a. | T 1 |
| W 2 | 19 35 26 | 21°49'23 | 25° 4 | 26♋56 | 11°14 | 29° 1 | 28♒35 | 0°15 | 1° 1 | 23°44 | 22° 5 | 17♒ 3 | 18° 3 | 19°51 | n.a. | W 2 |
| T 3 | 19 39 22 | 22°48'03 | 9♓40 | 25°54 | 12°23 | 29°17 | 28°30 | 0°18 | 1° 4 | 23°44 | 22° 7 | 17° 4 | 18° 0 | 19°57 | n.a. | T 3 |
| F 4 | 19 43 19 | 23°46'46 | 24°11 | 24°50 | 13°32 | 29°34 | 28°25 | 0°21 | 1° 8 | 23°45 | 22° 9 | 17° 5 | 17°57 | 20° 4 | n.a. | F 4 |
| S 5 | 19 47 15 | 24°45'31 | 8♈32 | 23°47 | 14°42 | 29°52 | 28°19 | 0°24 | 1°11 | 23°45 | 22°12 | 17° 7 | 17°54 | 20°11 | n.a. | S 5 |
| S 6 | 19 51 12 | 25°44'18 | 22°42 | 22°45 | 15°52 | 0♗10 | 28°14 | 0°27 | 1°14 | 23°46 | 22°14 | 17°R 7 | 17°51 | 20°17 | n.a. | S 6 |
| M 7 | 19 55 8 | 26°43'08 | 6♉37 | 21°47 | 17° 2 | 0°29 | 28° 8 | 0°29 | 1°17 | 23°46 | 22°16 | 17° 7 | 17°48 | 20°24 | n.a. | M 7 |
| T 8 | 19 59 5 | 27°42'00 | 20°19 | 20°54 | 18°12 | 0°48 | 28° 2 | 0°32 | 1°21 | 23°47 | 22°18 | 17° 6 | 17°44 | 20°31 | n.a. | T 8 |
| W 9 | 20 3 1 | 28°40'55 | 3♊45 | 20° 7 | 19°22 | 1° 8 | 27°56 | 0°34 | 1°24 | 23°47 | 22°20 | 17° 4 | 17°41 | 20°37 | n.a. | W 9 |
| T 10 | 20 6 58 | 29°39'52 | 16°58 | 19°27 | 20°32 | 1°28 | 27°50 | 0°37 | 1°27 | 23°48 | 22°23 | 17° 1 | 17°38 | 20°44 | n.a. | T 10 |
| F 11 | 20 10 54 | 0♌38'52 | 29°56 | 18°56 | 21°43 | 1°49 | 27°43 | 0°39 | 1°31 | 23°48 | 22°25 | 16°59 | 17°35 | 20°51 | n.a. | F 11 |
| S 12 | 20 14 51 | 1°37'54 | 12♋40 | 18°34 | 22°53 | 2°10 | 27°37 | 0°41 | 1°34 | 23°49 | 22°27 | 16°57 | 17°32 | 20°57 | n.a. | S 12 |
| S 13 | 20 18 48 | 2°36'59 | 25°12 | 18°22 | 24° 4 | 2°32 | 27°30 | 0°43 | 1°37 | 23°50 | 22°29 | 16°55 | 17°28 | 21° 4 | n.a. | S 13 |
| M14 | 20 22 44 | 3°36'05 | 7♌31 | 18°D20 | 25°15 | 2°55 | 27°23 | 0°45 | 1°41 | 23°50 | 22°32 | 16°54 | 17°25 | 21°11 | n.a. | M14 |
| T 15 | 20 26 41 | 4°35'14 | 19°39 | 18°29 | 26°26 | 3°18 | 27°17 | 0°47 | 1°44 | 23°51 | 22°34 | 16°D54 | 17°22 | 21°17 | n.a. | T 15 |
| W16 | 20 30 37 | 5°34'25 | 1♍39 | 18°47 | 27°37 | 3°41 | 27°10 | 0°49 | 1°48 | 23°52 | 22°36 | 16°54 | 17°19 | 21°24 | n.a. | W16 |
| T 17 | 20 34 34 | 6°33'38 | 13°31 | 19°16 | 28°48 | 4° 5 | 27° 3 | 0°50 | 1°51 | 23°52 | 22°39 | 16°55 | 17°16 | 21°31 | n.a. | T 17 |
| F 18 | 20 38 30 | 7°32'53 | 25°20 | 19°53 | 29°59 | 4°29 | 26°55 | 0°52 | 1°55 | 23°53 | 22°41 | 16°56 | 17°13 | 21°37 | n.a. | F 18 |
| S 19 | 20 42 27 | 8°32'10 | 7♎ 9 | 20°39 | 1♋11 | 4°54 | 26°48 | 0°53 | 1°58 | 23°54 | 22°43 | 16°57 | 17° 9 | 21°44 | n.a. | S 19 |
| S 20 | 20 46 23 | 9°31'29 | 19° 1 | 21°34 | 2°22 | 5°20 | 26°41 | 0°54 | 2° 2 | 23°55 | 22°46 | 16°58 | 17° 6 | 21°51 | n.a. | S 20 |
| M21 | 20 50 20 | 10°30'50 | 1♏ 1 | 22°36 | 3°34 | 5°45 | 26°33 | 0°55 | 2° 5 | 23°56 | 22°48 | 16°58 | 17° 3 | 21°57 | n.a. | M21 |
| T 22 | 20 54 16 | 11°30'13 | 13°14 | 23°44 | 4°45 | 6°11 | 26°26 | 0°57 | 2° 9 | 23°57 | 22°50 | 16°R58 | 17° 0 | 22° 4 | n.a. | T 22 |
| W23 | 20 58 13 | 12°29'38 | 25°44 | 24°59 | 5°57 | 6°38 | 26°18 | 0°57 | 2°13 | 23°58 | 22°53 | 16°58 | 16°57 | 22°11 | n.a. | W23 |
| T 24 | 21 2 10 | 13°29'05 | 8♐35 | 26°19 | 7° 9 | 7° 5 | 26°10 | 0°58 | 2°16 | 23°59 | 22°55 | 16°58 | 16°53 | 22°17 | n.a. | T 24 |
| F 25 | 21 6 6 | 14°28'34 | 21°50 | 27°44 | 8°21 | 7°32 | 26° 2 | 0°59 | 2°20 | 24° 0 | 22°57 | 16°58 | 16°50 | 22°24 | n.a. | F 25 |
| S 26 | 21 10 3 | 15°28'05 | 5♑32 | 29°12 | 9°33 | 7°59 | 25°55 | 1° 0 | 2°24 | 24° 1 | 23° 0 | 16°57 | 16°47 | 22°31 | n.a. | S 26 |
| S 27 | 21 13 59 | 16°27'38 | 19°40 | 0♌44 | 10°45 | 8°27 | 25°47 | 1° 0 | 2°27 | 24° 2 | 23° 2 | 16°57 | 16°44 | 22°37 | n.a. | S 27 |
| M28 | 21 17 56 | 17°27'12 | 4♒11 | 2°18 | 11°57 | 8°56 | 25°39 | 1° 0 | 2°31 | 24° 3 | 23° 4 | 16°D57 | 16°41 | 22°44 | n.a. | M28 |
| T 29 | 21 21 52 | 18°26'50 | 19° 0 | 3°55 | 13°10 | 9°24 | 25°31 | 1° 1 | 2°35 | 24° 4 | 23° 7 | 16°R57 | 16°38 | 22°51 | n.a. | T 29 |
| W30 | 21 25 49 | 19°26'29 | 3♓59 | 5°33 | 14°22 | 9°53 | 25°23 | 1° 1 | 2°38 | 24° 6 | 23° 9 | 16°57 | 16°34 | 22°57 | n.a. | W30 |
| T 31 | 21 29 45 | 20♌26'10 | 19♓ 1 | 7♌13 | 15♋35 | 10♗23 | 25♒15 | 1°R 1 | 2♍42 | 24♎ 7 | 23♌12 | 16♒57 | 16♒31 | 23♍ 4 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 22n16 | 18s33 | 0s36 | 17n 1 | 4s 4 | 21n 3 | 1s22 | 25s 0 | 4s50 | 13s52 | 1s49 | 9n48 | 2s 7 | 12n 4 | 0n46 | 7s38 | 1n54 | 30n11 | 16n47 | 16s 2 | 15s43 | 1n40 | | | n.a. |
| W 2 | 22 7 | 12 44 | 0n44 | 17 19 | 3 57 | 21 17 | 1 19 | 25 1 | 4 48 | 13 54 | 1 49 | 9 49 | 2 7 | 12 2 | 0 46 | 7 38 | 1 54 | 30 10 | 16 47 | 16 2 | 15 44 | 1 37 | | | n.a. |
| T 3 | 21 57 | 6 14 | 2 1 | 17 39 | 3 49 | 21 30 | 1 15 | 25 3 | 4 46 | 13 56 | 1 49 | 9 50 | 2 7 | 12 1 | 0 46 | 7 38 | 1 54 | 30 9 | 16 47 | 16 2 | 15 45 | 1 33 | | | n.a. |
| F 4 | 21 47 | 0n33 | 3 10 | 18 0 | 3 39 | 21 42 | 1 11 | 25 5 | 4 44 | 13 58 | 1 49 | 9 51 | 2 7 | 12 0 | 0 46 | 7 39 | 1 54 | 30 8 | 16 46 | 16 2 | 15 46 | 1 30 | | | n.a. |
| S 5 | 21 36 | 7 13 | 4 7 | 18 23 | 3 27 | 21 54 | 1 8 | 25 7 | 4 42 | 14 0 | 1 50 | 9 51 | 2 7 | 11 59 | 0 46 | 7 39 | 1 54 | 30 7 | 16 46 | 16 1 | 15 47 | 1 27 | | | n.a. |
| S 6 | 21 25 | 13 26 | 4 47 | 18 48 | 3 13 | 22 6 | 1 4 | 25 9 | 4 40 | 14 3 | 1 50 | 9 52 | 2 8 | 11 58 | 0 46 | 7 39 | 1 53 | 30 6 | 16 46 | 16 1 | 15 48 | 1 23 | | | n.a. |
| M 7 | 21 14 | 18 52 | 5 10 | 19 12 | 2 57 | 22 17 | 1 0 | 25 11 | 4 38 | 14 5 | 1 50 | 9 53 | 2 8 | 11 57 | 0 46 | 7 39 | 1 53 | 30 5 | 16 46 | 16 1 | 15 49 | 1 20 | | | n.a. |
| T 8 | 21 2 | 23 13 | 5 15 | 19 38 | 2 40 | 22 27 | 0 57 | 25 13 | 4 36 | 14 7 | 1 50 | 9 54 | 2 8 | 11 55 | 0 46 | 7 40 | 1 53 | 30 4 | 16 46 | 16 2 | 15 50 | 1 17 | | | n.a. |
| W 9 | 20 50 | 26 16 | 5 2 | 20 2 | 2 22 | 22 36 | 0 53 | 25 16 | 4 34 | 14 9 | 1 51 | 9 54 | 2 8 | 11 54 | 0 46 | 7 40 | 1 53 | 30 3 | 16 45 | 16 2 | 15 51 | 1 13 | | | n.a. |
| T 10 | 20 38 | 27 48 | 4 34 | 20 27 | 2 3 | 22 46 | 0 49 | 25 18 | 4 32 | 14 12 | 1 51 | 9 55 | 2 8 | 11 53 | 0 46 | 7 40 | 1 53 | 30 2 | 16 45 | 16 3 | 15 52 | 1 10 | | | n.a. |
| F 11 | 20 25 | 27 47 | 3 51 | 20 50 | 1 44 | 22 54 | 0 46 | 25 20 | 4 30 | 14 14 | 1 51 | 9 56 | 2 8 | 11 52 | 0 46 | 7 40 | 1 53 | 30 1 | 16 45 | 16 4 | 15 53 | 1 7 | | | n.a. |
| S 12 | 20 12 | 26 16 | 2 58 | 21 12 | 1 25 | 23 2 | 0 42 | 25 23 | 4 27 | 14 17 | 1 51 | 9 56 | 2 9 | 11 50 | 0 45 | 7 41 | 1 53 | 30 0 | 16 45 | 16 4 | 15 54 | 1 3 | | | n.a. |
| S 13 | 19 58 | 23 27 | 1 57 | 21 33 | 1 6 | 23 9 | 0 38 | 25 25 | 4 25 | 14 19 | 1 51 | 9 57 | 2 9 | 11 49 | 0 45 | 7 41 | 1 53 | 29 59 | 16 45 | 16 5 | 15 54 | 1 0 | | | n.a. |
| M14 | 19 44 | 19 36 | 0 52 | 21 52 | 0 47 | 23 15 | 0 35 | 25 28 | 4 23 | 14 22 | 1 52 | 9 57 | 2 9 | 11 48 | 0 45 | 7 41 | 1 53 | 29 58 | 16 44 | 16 5 | 15 55 | 0 57 | | | n.a. |
| T 15 | 19 30 | 14 59 | 0s15 | 22 8 | 0 29 | 23 21 | 0 31 | 25 30 | 4 21 | 14 24 | 1 52 | 9 58 | 2 9 | 11 47 | 0 45 | 7 42 | 1 53 | 29 57 | 16 44 | 16 5 | 15 56 | 0 53 | | | n.a. |
| W16 | 19 15 | 9 51 | 1 21 | 22 23 | 0 12 | 23 27 | 0 27 | 25 33 | 4 19 | 14 27 | 1 52 | 9 58 | 2 9 | 11 45 | 0 45 | 7 42 | 1 53 | 29 56 | 16 44 | 16 5 | 15 57 | 0 50 | | | n.a. |
| T 17 | 19 1 | 4 25 | 2 22 | 22 35 | 0n 5 | 23 31 | 0 24 | 25 35 | 4 16 | 14 30 | 1 52 | 9 59 | 2 10 | 11 44 | 0 45 | 7 42 | 1 53 | 29 55 | 16 44 | 16 5 | 15 58 | 0 47 | | | n.a. |
| F 18 | 18 45 | 1s 7 | 3 17 | 22 45 | 0 20 | 23 35 | 0 20 | 25 38 | 4 14 | 14 32 | 1 52 | 9 59 | 2 10 | 11 43 | 0 45 | 7 43 | 1 53 | 29 54 | 16 44 | 16 4 | 15 59 | 0 43 | | | n.a. |
| S 19 | 18 30 | 6 37 | 4 4 | 22 52 | 0 34 | 23 38 | 0 17 | 25 40 | 4 12 | 14 35 | 1 52 | 9 59 | 2 10 | 11 41 | 0 45 | 7 43 | 1 53 | 29 53 | 16 44 | 16 4 | 16 0 | 0 40 | | | n.a. |
| S 20 | 18 14 | 11 54 | 4 41 | 22 56 | 0 47 | 23 41 | 0 13 | 25 43 | 4 10 | 14 38 | 1 53 | 10 0 | 2 10 | 11 40 | 0 45 | 7 43 | 1 52 | 29 52 | 16 44 | 16 4 | 16 1 | 0 36 | | | n.a. |
| M21 | 17 57 | 16 49 | 5 5 | 22 58 | 0 59 | 23 43 | 0 10 | 25 45 | 4 8 | 14 41 | 1 53 | 10 0 | 2 10 | 11 39 | 0 45 | 7 44 | 1 52 | 29 52 | 16 44 | 16 4 | 16 2 | 0 33 | | | n.a. |
| T 22 | 17 41 | 21 9 | 5 17 | 22 56 | 1 10 | 23 44 | 0 6 | 25 48 | 4 5 | 14 43 | 1 53 | 10 0 | 2 10 | 11 37 | 0 45 | 7 44 | 1 52 | 29 51 | 16 43 | 16 4 | 16 3 | 0 30 | | | n.a. |
| W23 | 17 24 | 24 39 | 5 14 | 22 52 | 1 19 | 23 44 | 0 3 | 25 51 | 4 3 | 14 46 | 1 53 | 10 0 | 2 11 | 11 36 | 0 45 | 7 45 | 1 52 | 29 50 | 16 43 | 16 4 | 16 4 | 0 26 | | | n.a. |
| T 24 | 17 7 | 27 2 | 4 55 | 22 45 | 1 28 | 23 44 | 0n 1 | 25 53 | 4 1 | 14 49 | 1 53 | 10 0 | 2 11 | 11 35 | 0 45 | 7 45 | 1 52 | 29 49 | 16 43 | 16 4 | 16 5 | 0 23 | | | n.a. |
| F 25 | 16 49 | 28 0 | 4 21 | 22 35 | 1 35 | 23 43 | 0 4 | 25 56 | 3 59 | 14 52 | 1 53 | 10 0 | 2 11 | 11 33 | 0 45 | 7 46 | 1 52 | 29 48 | 16 43 | 16 4 | 16 6 | 0 20 | | | n.a. |
| S 26 | 16 31 | 27 19 | 3 30 | 22 22 | 1 41 | 23 42 | 0 7 | 25 58 | 3 56 | 14 55 | 1 53 | 10 0 | 2 11 | 11 32 | 0 45 | 7 46 | 1 52 | 29 47 | 16 43 | 16 4 | 16 7 | 0 16 | | | n.a. |
| S 27 | 16 13 | 24 51 | 2 26 | 22 7 | 1 46 | 23 39 | 0 11 | 26 1 | 3 54 | 14 57 | 1 53 | 10 0 | 2 11 | 11 31 | 0 45 | 7 47 | 1 52 | 29 46 | 16 43 | 16 4 | 16 8 | 0 13 | | | n.a. |
| M28 | 15 55 | 20 44 | 1 10 | 21 49 | 1 50 | 23 36 | 0 14 | 26 3 | 3 52 | 15 0 | 1 54 | 10 0 | 2 12 | 11 29 | 0 45 | 7 47 | 1 52 | 29 45 | 16 43 | 16 4 | 16 9 | 0 10 | | | n.a. |
| T 29 | 15 36 | 15 15 | 0n11 | 21 29 | 1 53 | 23 32 | 0 17 | 26 6 | 3 50 | 15 3 | 1 54 | 10 0 | 2 12 | 11 28 | 0 45 | 7 48 | 1 52 | 29 44 | 16 43 | 16 4 | 16 10 | 0 6 | | | n.a. |
| W30 | 15 17 | 8 48 | 1 33 | 21 7 | 1 55 | 23 28 | 0 20 | 26 8 | 3 48 | 15 6 | 1 54 | 10 0 | 2 12 | 11 27 | 0 45 | 7 48 | 1 52 | 29 43 | 16 43 | 16 4 | 16 11 | 0 3 | | | n.a. |
| T 31 | 14n58 | 1s51 | 2n49 | 20n42 | 1n56 | 23n23 | 0n23 | 26s10 | 3s45 | 15s 9 | 1s54 | 10n 0 | 2s12 | 11n25 | 0n45 | 7s49 | 1n52 | 29n43 | 16n43 | 16s 4 | 16s12 | 0s 0 | | | n.a. |

Julian Day Number = 999901.5, Delta T = 12h52m26s
Ecliptic obliquity = 23°55'24, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'32, Lahiri = -31°11'31 Julian Calendar 1 Aug. 1976 BCE == Greg. Calendar 15 July 1976 BCE

The year -1975 astronomical counting style corresponds to year 1976 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## SEPTEMBER 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 33 42 | 21♌25'54 | 3♈56 | 8♌55 | 16♋48 | 10♐52 | 25°R 7 | 1°R 1 | 2♍46 | 24♎ 8 | 23♌14 | 16°R57 | 16♒28 | 23♍11 | n.a. | F 1 |
| S 2 | 21 37 38 | 22°25'40 | 18°38 | 10°36 | 18° 0 | 11°22 | 24♒58 | 1♉ 0 | 2°50 | 24° 9 | 23°16 | 16♒56 | 16°25 | 23°17 | n.a. | S 2 |
| S 3 | 21 41 35 | 23°25'28 | 3♉ 1 | 12°19 | 19°13 | 11°52 | 24°50 | 1° 0 | 2°53 | 24°11 | 23°19 | 16°56 | 16°22 | 23°24 | n.a. | S 3 |
| M 4 | 21 45 32 | 24°25'19 | 17° 2 | 14° 2 | 20°26 | 12°23 | 24°42 | 1° 0 | 2°57 | 24°12 | 23°21 | 16°55 | 16°19 | 23°31 | n.a. | M 4 |
| T 5 | 21 49 28 | 25°25'13 | 0♊41 | 15°45 | 21°39 | 12°54 | 24°34 | 0°59 | 3° 1 | 24°13 | 23°24 | 16°D55 | 16°15 | 23°37 | n.a. | T 5 |
| W 6 | 21 53 25 | 26°25'09 | 13°58 | 17°28 | 22°52 | 13°25 | 24°26 | 0°59 | 3° 5 | 24°15 | 23°26 | 16°56 | 16°12 | 23°44 | n.a. | W 6 |
| T 7 | 21 57 21 | 27°25'07 | 26°56 | 19°11 | 24° 5 | 13°56 | 24°18 | 0°58 | 3° 8 | 24°16 | 23°28 | 16°56 | 16° 9 | 23°51 | n.a. | T 7 |
| F 8 | 22 1 18 | 28°25'08 | 9♋37 | 20°54 | 25°19 | 14°28 | 24°10 | 0°57 | 3°12 | 24°18 | 23°31 | 16°57 | 16° 6 | 23°57 | n.a. | F 8 |
| S 9 | 22 5 14 | 29°25'11 | 22° 3 | 22°37 | 26°32 | 15° 0 | 24° 2 | 0°56 | 3°16 | 24°19 | 23°33 | 16°59 | 16° 3 | 24° 4 | n.a. | S 9 |
| S 10 | 22 9 11 | 0♍25'16 | 4♌17 | 24°19 | 27°46 | 15°32 | 23°54 | 0°55 | 3°20 | 24°21 | 23°36 | 16°59 | 15°59 | 24°11 | n.a. | S 10 |
| M11 | 22 13 7 | 1°25'24 | 16°23 | 26° 1 | 28°59 | 16° 4 | 23°46 | 0°54 | 3°24 | 24°22 | 23°38 | 17°R 0 | 15°56 | 24°17 | n.a. | M11 |
| T 12 | 22 17 4 | 2°25'33 | 28°21 | 27°42 | 0♌13 | 16°37 | 23°38 | 0°52 | 3°27 | 24°24 | 23°40 | 16°59 | 15°53 | 24°24 | n.a. | T 12 |
| W13 | 22 21 0 | 3°25'44 | 10♍14 | 29°23 | 1°26 | 17° 9 | 23°30 | 0°51 | 3°31 | 24°25 | 23°43 | 16°58 | 15°50 | 24°31 | n.a. | W13 |
| T 14 | 22 24 57 | 4°25'58 | 22° 4 | 1♍ 4 | 2°40 | 17°43 | 23°22 | 0°49 | 3°35 | 24°27 | 23°45 | 16°56 | 15°47 | 24°37 | n.a. | T 14 |
| F 15 | 22 28 54 | 5°26'13 | 3♎53 | 2°44 | 3°54 | 18°16 | 23°14 | 0°48 | 3°39 | 24°28 | 23°47 | 16°53 | 15°44 | 24°44 | n.a. | F 15 |
| S 16 | 22 32 50 | 6°26'30 | 15°42 | 4°24 | 5° 8 | 18°49 | 23° 6 | 0°46 | 3°42 | 24°30 | 23°50 | 16°50 | 15°40 | 24°51 | n.a. | S 16 |
| S 17 | 22 36 47 | 7°26'49 | 27°36 | 6° 3 | 6°21 | 19°23 | 22°59 | 0°44 | 3°46 | 24°32 | 23°52 | 16°47 | 15°37 | 24°57 | n.a. | S 17 |
| M18 | 22 40 43 | 8°27'10 | 9♏37 | 7°42 | 7°35 | 19°57 | 22°51 | 0°42 | 3°50 | 24°33 | 23°54 | 16°44 | 15°34 | 25° 4 | n.a. | M18 |
| T 19 | 22 44 40 | 9°27'32 | 21°48 | 9°20 | 8°49 | 20°31 | 22°44 | 0°40 | 3°54 | 24°35 | 23°57 | 16°41 | 15°31 | 25°11 | n.a. | T 19 |
| W20 | 22 48 36 | 10°27'56 | 4♐13 | 10°58 | 10° 4 | 21° 6 | 22°36 | 0°38 | 3°58 | 24°37 | 23°59 | 16°40 | 15°28 | 25°18 | n.a. | W20 |
| T 21 | 22 52 33 | 11°28'22 | 16°58 | 12°35 | 11°18 | 21°40 | 22°29 | 0°35 | 4° 1 | 24°39 | 24° 1 | 16°D40 | 15°25 | 25°24 | n.a. | T 21 |
| F 22 | 22 56 29 | 12°28'49 | 0♑ 5 | 14°12 | 12°32 | 22°15 | 22°22 | 0°33 | 4° 5 | 24°40 | 24° 4 | 16°41 | 15°21 | 25°31 | n.a. | F 22 |
| S 23 | 23 0 26 | 13°29'18 | 13°37 | 15°49 | 13°46 | 22°50 | 22°15 | 0°30 | 4° 9 | 24°42 | 24° 6 | 16°43 | 15°18 | 25°38 | n.a. | S 23 |
| S 24 | 23 4 23 | 14°29'48 | 27°37 | 17°25 | 15° 0 | 23°25 | 22° 8 | 0°28 | 4°13 | 24°44 | 24° 8 | 16°44 | 15°15 | 25°44 | n.a. | S 24 |
| M25 | 23 8 19 | 15°30'20 | 12♒ 4 | 19° 1 | 16°15 | 24° 0 | 22° 1 | 0°25 | 4°16 | 24°46 | 24°11 | 16°R45 | 15°12 | 25°51 | n.a. | M25 |
| T 26 | 23 12 16 | 16°30'54 | 26°55 | 20°36 | 17°29 | 24°35 | 21°54 | 0°22 | 4°20 | 24°48 | 24°13 | 16°45 | 15° 9 | 25°58 | n.a. | T 26 |
| W27 | 23 16 12 | 17°31'28 | 12♓ 3 | 22°11 | 18°44 | 25°11 | 21°48 | 0°19 | 4°24 | 24°50 | 24°15 | 16°43 | 15° 5 | 26° 4 | n.a. | W27 |
| T 28 | 23 20 9 | 18°32'05 | 27°20 | 23°46 | 19°58 | 25°46 | 21°41 | 0°16 | 4°28 | 24°52 | 24°17 | 16°40 | 15° 2 | 26°11 | n.a. | T 28 |
| F 29 | 23 24 5 | 19°32'43 | 12♈35 | 25°20 | 21°13 | 26°22 | 21°35 | 0°13 | 4°31 | 24°53 | 24°20 | 16°35 | 14°59 | 26°18 | n.a. | F 29 |
| S 30 | 23 28 2 | 20♍33'23 | 27♈37 | 26♍54 | 22♌27 | 26♐58 | 21♒29 | 0♉10 | 4♍35 | 24♎55 | 24♌22 | 16♒30 | 14♒56 | 26♍24 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14n39 | 5n 8 | 3n52 | 20n16 | 1n57 | 23n17 | 0n26 | 26s12 | 3s43 | 15s12 | 1s54 | 10n 0 | 2s12 | 11n24 | 0n45 | 7s49 | 1n52 | 29n42 | 16n43 | 16s 4 | 16s13 | 0s 4 | | n.a. |
| S 2 | 14 19 | 11 44 | 4 40 | 19 48 | 1 56 | 23 10 | 0 29 | 26 15 | 3 41 | 15 14 | 1 54 | 10 0 | 2 12 | 11 22 | 0 45 | 7 50 | 1 52 | 29 41 | 16 43 | 16 5 | 16 14 | 0 7 | | n.a. |
| S 3 | 13 59 | 17 34 | 5 8 | 19 18 | 1 56 | 23 3 | 0 32 | 26 17 | 3 39 | 15 17 | 1 54 | 9 59 | 2 13 | 11 21 | 0 45 | 7 50 | 1 52 | 29 40 | 16 43 | 16 5 | 16 15 | 0 10 | | n.a. |
| M 4 | 13 39 | 22 19 | 5 17 | 18 46 | 1 54 | 22 55 | 0 35 | 26 19 | 3 37 | 15 20 | 1 54 | 9 59 | 2 13 | 11 20 | 0 45 | 7 51 | 1 52 | 29 39 | 16 43 | 16 5 | 16 16 | 0 14 | | n.a. |
| T 5 | 13 18 | 25 43 | 5 8 | 18 13 | 1 52 | 22 46 | 0 38 | 26 21 | 3 34 | 15 23 | 1 54 | 9 59 | 2 13 | 11 18 | 0 45 | 7 51 | 1 51 | 29 38 | 16 43 | 16 5 | 16 17 | 0 17 | | n.a. |
| W 6 | 12 58 | 27 37 | 4 43 | 17 39 | 1 50 | 22 37 | 0 41 | 26 23 | 3 32 | 15 26 | 1 54 | 9 58 | 2 13 | 11 17 | 0 45 | 7 52 | 1 51 | 29 38 | 16 43 | 16 5 | 16 18 | 0 20 | | n.a. |
| T 7 | 12 37 | 27 57 | 4 3 | 17 4 | 1 47 | 22 27 | 0 44 | 26 25 | 3 30 | 15 28 | 1 54 | 9 58 | 2 13 | 11 15 | 0 45 | 7 52 | 1 51 | 29 37 | 16 43 | 16 4 | 16 19 | 0 24 | | n.a. |
| F 8 | 12 16 | 26 46 | 3 13 | 16 27 | 1 44 | 22 16 | 0 46 | 26 26 | 3 28 | 15 31 | 1 54 | 9 57 | 2 13 | 11 14 | 0 45 | 7 53 | 1 51 | 29 36 | 16 43 | 16 4 | 16 20 | 0 27 | | n.a. |
| S 9 | 11 54 | 24 17 | 2 14 | 15 50 | 1 40 | 22 4 | 0 49 | 26 28 | 3 26 | 15 34 | 1 54 | 9 57 | 2 14 | 11 13 | 0 45 | 7 54 | 1 51 | 29 35 | 16 43 | 16 4 | 16 21 | 0 30 | | n.a. |
| S 10 | 11 33 | 20 42 | 1 10 | 15 11 | 1 36 | 21 52 | 0 52 | 26 30 | 3 24 | 15 37 | 1 54 | 9 56 | 2 14 | 11 11 | 0 45 | 7 54 | 1 51 | 29 34 | 16 43 | 16 3 | 16 22 | 0 34 | | n.a. |
| M11 | 11 11 | 16 18 | 0 3 | 14 32 | 1 32 | 21 39 | 0 54 | 26 31 | 3 22 | 15 39 | 1 54 | 9 56 | 2 14 | 11 10 | 0 45 | 7 55 | 1 51 | 29 34 | 16 43 | 16 3 | 16 23 | 0 37 | | n.a. |
| T 12 | 10 49 | 11 19 | 1s 2 | 13 52 | 1 27 | 21 26 | 0 56 | 26 32 | 3 19 | 15 42 | 1 54 | 9 55 | 2 14 | 11 8 | 0 45 | 7 55 | 1 51 | 29 33 | 16 43 | 16 3 | 16 24 | 0 40 | | n.a. |
| W13 | 10 27 | 5 58 | 2 5 | 13 12 | 1 22 | 21 12 | 0 59 | 26 34 | 3 17 | 15 44 | 1 54 | 9 54 | 2 14 | 11 7 | 0 45 | 7 56 | 1 51 | 29 32 | 16 44 | 16 4 | 16 25 | 0 43 | | n.a. |
| T 14 | 10 5 | 0 26 | 3 2 | 12 31 | 1 17 | 20 57 | 1 1 | 26 35 | 3 15 | 15 47 | 1 53 | 9 54 | 2 14 | 11 6 | 0 45 | 7 57 | 1 51 | 29 31 | 16 44 | 16 5 | 16 26 | 0 47 | | n.a. |
| F 15 | 9 42 | 5s 5 | 3 51 | 11 49 | 1 12 | 20 42 | 1 3 | 26 36 | 3 13 | 15 50 | 1 53 | 9 53 | 2 15 | 11 4 | 0 45 | 7 57 | 1 51 | 29 31 | 16 44 | 16 5 | 16 27 | 0 50 | | n.a. |
| S 16 | 9 20 | 10 26 | 4 30 | 11 7 | 1 6 | 20 26 | 1 6 | 26 37 | 3 11 | 15 52 | 1 53 | 9 52 | 2 15 | 11 3 | 0 45 | 7 58 | 1 51 | 29 30 | 16 44 | 16 6 | 16 28 | 0 53 | | n.a. |
| S 17 | 8 57 | 15 26 | 4 57 | 10 25 | 1 1 | 20 9 | 1 8 | 26 38 | 3 9 | 15 55 | 1 53 | 9 51 | 2 15 | 11 1 | 0 45 | 7 59 | 1 51 | 29 29 | 16 44 | 16 7 | 16 29 | 0 57 | | n.a. |
| M18 | 8 34 | 19 54 | 5 12 | 9 42 | 0 55 | 19 52 | 1 10 | 26 38 | 3 7 | 15 57 | 1 53 | 9 51 | 2 15 | 11 0 | 0 45 | 7 59 | 1 51 | 29 28 | 16 44 | 16 8 | 16 30 | 1 0 | | n.a. |
| T 19 | 8 11 | 23 37 | 5 13 | 8 59 | 0 49 | 19 34 | 1 12 | 26 39 | 3 5 | 15 59 | 1 53 | 9 50 | 2 15 | 10 59 | 0 45 | 8 0 | 1 51 | 29 28 | 16 44 | 16 9 | 16 31 | 1 3 | | n.a. |
| W20 | 7 48 | 26 20 | 5 0 | 8 16 | 0 43 | 19 16 | 1 14 | 26 39 | 3 3 | 16 2 | 1 53 | 9 49 | 2 15 | 10 57 | 0 45 | 8 1 | 1 51 | 29 27 | 16 45 | 16 9 | 16 31 | 1 7 | | n.a. |
| T 21 | 7 24 | 27 47 | 4 32 | 7 32 | 0 37 | 18 57 | 1 16 | 26 40 | 3 1 | 16 4 | 1 53 | 9 48 | 2 15 | 10 56 | 0 45 | 8 1 | 1 51 | 29 26 | 16 45 | 16 9 | 16 32 | 1 10 | | n.a. |
| F 22 | 7 1 | 27 44 | 3 49 | 6 48 | 0 30 | 18 37 | 1 17 | 26 40 | 2 59 | 16 6 | 1 53 | 9 47 | 2 16 | 10 54 | 0 45 | 8 2 | 1 51 | 29 26 | 16 45 | 16 9 | 16 33 | 1 13 | | n.a. |
| S 23 | 6 37 | 26 4 | 2 52 | 6 4 | 0 24 | 18 17 | 1 19 | 26 40 | 2 57 | 16 9 | 1 52 | 9 46 | 2 16 | 10 53 | 0 45 | 8 3 | 1 51 | 29 25 | 16 45 | 16 9 | 16 34 | 1 17 | | n.a. |
| S 24 | 6 13 | 22 44 | 1 43 | 5 20 | 0 18 | 17 57 | 1 21 | 26 40 | 2 55 | 16 11 | 1 52 | 9 45 | 2 16 | 10 52 | 0 45 | 8 4 | 1 50 | 29 24 | 16 45 | 16 8 | 16 35 | 1 20 | | n.a. |
| M25 | 5 50 | 17 56 | 0 26 | 4 36 | 0 11 | 17 35 | 1 22 | 26 39 | 2 53 | 16 13 | 1 52 | 9 44 | 2 16 | 10 50 | 0 45 | 8 4 | 1 50 | 29 24 | 16 46 | 16 8 | 16 36 | 1 23 | | n.a. |
| T 26 | 5 26 | 11 55 | 0n55 | 3 52 | 0 5 | 17 14 | 1 24 | 26 39 | 2 51 | 16 15 | 1 52 | 9 43 | 2 16 | 10 49 | 0 45 | 8 5 | 1 50 | 29 23 | 16 46 | 16 8 | 16 37 | 1 27 | | n.a. |
| W27 | 5 2 | 5 7 | 2 14 | 3 8 | 0s 2 | 16 52 | 1 25 | 26 39 | 2 49 | 16 17 | 1 52 | 9 42 | 2 16 | 10 47 | 0 45 | 8 6 | 1 50 | 29 23 | 16 46 | 16 9 | 16 38 | 1 30 | | n.a. |
| T 28 | 4 37 | 2n 2 | 3 24 | 2 24 | 0 8 | 16 29 | 1 26 | 26 38 | 2 47 | 16 19 | 1 52 | 9 40 | 2 16 | 10 46 | 0 45 | 8 7 | 1 50 | 29 22 | 16 46 | 16 10 | 16 39 | 1 33 | | n.a. |
| F 29 | 4 13 | 9 1 | 4 19 | 1 40 | 0 15 | 16 6 | 1 28 | 26 37 | 2 45 | 16 21 | 1 51 | 9 39 | 2 16 | 10 45 | 0 45 | 8 7 | 1 50 | 29 21 | 16 46 | 16 11 | 16 40 | 1 37 | | n.a. |
| S 30 | 3n49 | 15n24 | 4n55 | 0n56 | 0s21 | 15n42 | 1n29 | 26s36 | 2s43 | 16s23 | 1s51 | 9n38 | 2s17 | 10n43 | 0n45 | 8s 8 | 1n50 | 29n21 | 16n47 | 16s13 | 16s41 | 1s40 | | n.a. |

Julian Day Number = 999932.5, Delta T = 12h52m24s
Ecliptic obliquity = 23°55'25, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'28, Lahiri = -31°11'27 Julian Calendar 1 Sept. 1976 BCE == Greg. Calendar 15 Aug. 1976 BCE


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## OCTOBER 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 31 58 | 21♍34'05 | 12♉19 | 28♍28 | 23♌42 | 27♐34 | 21°R23 | 0°R 7 | 4♍39 | 24♎57 | 24♌24 | 16°R25 | 14♒53 | 26♍31 | n.a. | S 1 |
| M 2 | 23 35 55 | 22°34'49 | 26°34 | 0♎ 1 | 24°57 | 28°11 | 21♒17 | 0♉ 4 | 4°42 | 24°59 | 24°26 | 16♒21 | 14°50 | 26°38 | n.a. | M 2 |
| T 3 | 23 39 51 | 23°35'35 | 10♊21 | 1°35 | 26°11 | 28°47 | 21°11 | 0° 0 | 4°46 | 25° 1 | 24°28 | 16°19 | 14°46 | 26°44 | n.a. | T 3 |
| W 4 | 23 43 48 | 24°36'22 | 23°40 | 3° 8 | 27°26 | 29°23 | 21° 6 | 29♈57 | 4°50 | 25° 3 | 24°30 | 16°D18 | 14°43 | 26°51 | n.a. | W 4 |
| T 5 | 23 47 45 | 25°37'12 | 6♋34 | 4°40 | 28°41 | 0♑ 0 | 21° 0 | 29°53 | 4°53 | 25° 5 | 24°33 | 16°18 | 14°40 | 26°58 | n.a. | T 5 |
| F 6 | 23 51 41 | 26°38'03 | 19° 6 | 6°13 | 29°56 | 0°37 | 20°55 | 29°49 | 4°57 | 25° 7 | 24°35 | 16°20 | 14°37 | 27° 4 | n.a. | F 6 |
| S 7 | 23 55 38 | 27°38'56 | 1♌23 | 7°45 | 1♍11 | 1°14 | 20°50 | 29°45 | 5° 0 | 25° 9 | 24°37 | 16°21 | 14°34 | 27°11 | n.a. | S 7 |
| S 8 | 23 59 34 | 28°39'50 | 13°27 | 9°17 | 2°26 | 1°51 | 20°45 | 29°42 | 5° 4 | 25°12 | 24°39 | 16°R22 | 14°31 | 27°18 | n.a. | S 8 |
| M 9 | 0 3 31 | 29°40'46 | 25°22 | 10°49 | 3°41 | 2°28 | 20°40 | 29°38 | 5° 7 | 25°14 | 24°41 | 16°22 | 14°27 | 27°24 | n.a. | M 9 |
| T 10 | 0 7 27 | 0♎41'43 | 7♍13 | 12°21 | 4°56 | 3° 5 | 20°36 | 29°34 | 5°11 | 25°16 | 24°43 | 16°19 | 14°24 | 27°31 | n.a. | T 10 |
| W11 | 0 11 24 | 1°42'42 | 19° 2 | 13°52 | 6°11 | 3°42 | 20°31 | 29°30 | 5°15 | 25°18 | 24°45 | 16°15 | 14°21 | 27°38 | n.a. | W11 |
| T 12 | 0 15 20 | 2°43'42 | 0♎51 | 15°24 | 7°26 | 4°20 | 20°27 | 29°25 | 5°18 | 25°20 | 24°47 | 16° 8 | 14°18 | 27°44 | n.a. | T 12 |
| F 13 | 0 19 17 | 3°44'44 | 12°42 | 16°55 | 8°41 | 4°57 | 20°23 | 29°21 | 5°21 | 25°22 | 24°49 | 15°59 | 14°15 | 27°51 | n.a. | F 13 |
| S 14 | 0 23 14 | 4°45'46 | 24°37 | 18°25 | 9°56 | 5°35 | 20°19 | 29°17 | 5°25 | 25°24 | 24°51 | 15°49 | 14°11 | 27°58 | n.a. | S 14 |
| S 15 | 0 27 10 | 5°46'50 | 6♏37 | 19°56 | 11°11 | 6°13 | 20°16 | 29°13 | 5°28 | 25°26 | 24°53 | 15°39 | 14° 8 | 28° 5 | n.a. | S 15 |
| M16 | 0 31 7 | 6°47'55 | 18°44 | 21°26 | 12°26 | 6°50 | 20°12 | 29° 8 | 5°32 | 25°29 | 24°55 | 15°29 | 14° 5 | 28°11 | n.a. | M16 |
| T 17 | 0 35 3 | 7°49'00 | 0♐59 | 22°56 | 13°42 | 7°28 | 20° 9 | 29° 4 | 5°35 | 25°31 | 24°57 | 15°22 | 14° 2 | 28°18 | n.a. | T 17 |
| W18 | 0 39 0 | 8°50'07 | 13°27 | 24°25 | 14°57 | 8° 6 | 20° 6 | 28°59 | 5°38 | 25°33 | 24°59 | 15°16 | 13°59 | 28°25 | n.a. | W18 |
| T 19 | 0 42 56 | 9°51'14 | 26° 8 | 25°54 | 16°12 | 8°45 | 20° 3 | 28°55 | 5°42 | 25°35 | 25° 0 | 15°13 | 13°56 | 28°31 | n.a. | T 19 |
| F 20 | 0 46 53 | 10°52'22 | 9♑ 8 | 27°22 | 17°27 | 9°23 | 20° 1 | 28°50 | 5°45 | 25°37 | 25° 2 | 15°D12 | 13°52 | 28°38 | n.a. | F 20 |
| S 21 | 0 50 49 | 11°53'31 | 22°30 | 28°50 | 18°43 | 10° 1 | 19°58 | 28°45 | 5°48 | 25°40 | 25° 4 | 15°12 | 13°49 | 28°45 | n.a. | S 21 |
| S 22 | 0 54 46 | 12°54'41 | 6♒16 | 0♏16 | 19°58 | 10°39 | 19°56 | 28°41 | 5°51 | 25°42 | 25° 6 | 15°13 | 13°46 | 28°51 | n.a. | S 22 |
| M23 | 0 58 43 | 13°55'50 | 20°27 | 1°43 | 21°13 | 11°18 | 19°54 | 28°36 | 5°55 | 25°44 | 25° 8 | 15°R13 | 13°43 | 28°58 | n.a. | M23 |
| T 24 | 1 2 39 | 14°57'01 | 5♓ 4 | 3° 8 | 22°28 | 11°56 | 19°52 | 28°31 | 5°58 | 25°46 | 25° 9 | 15°11 | 13°40 | 29° 5 | n.a. | T 24 |
| W25 | 1 6 36 | 15°58'12 | 20° 2 | 4°31 | 23°44 | 12°35 | 19°50 | 28°26 | 6° 1 | 25°48 | 25°11 | 15° 7 | 13°36 | 29°11 | n.a. | W25 |
| T 26 | 1 10 32 | 16°59'23 | 5♈15 | 5°54 | 24°59 | 13°13 | 19°49 | 28°22 | 6° 4 | 25°51 | 25°13 | 15° 1 | 13°33 | 29°18 | n.a. | T 26 |
| F 27 | 1 14 29 | 18° 0'36 | 20°32 | 7°15 | 26°14 | 13°52 | 19°48 | 28°17 | 6° 7 | 25°53 | 25°14 | 14°52 | 13°30 | 29°25 | n.a. | F 27 |
| S 28 | 1 18 25 | 19° 1'49 | 5♉42 | 8°34 | 27°30 | 14°31 | 19°47 | 28°12 | 6°10 | 25°55 | 25°16 | 14°41 | 13°27 | 29°31 | n.a. | S 28 |
| S 29 | 1 22 22 | 20° 3'02 | 20°34 | 9°50 | 28°45 | 15° 9 | 19°46 | 28° 7 | 6°13 | 25°57 | 25°18 | 14°31 | 13°24 | 29°38 | n.a. | S 29 |
| M30 | 1 26 19 | 21° 4'17 | 5♊ 2 | 11° 5 | 0♎ 0 | 15°48 | 19°46 | 28° 2 | 6°16 | 26° 0 | 25°19 | 14°22 | 13°21 | 29°45 | n.a. | M30 |
| T 31 | 1 30 15 | 22♎ 5'33 | 19♊ 0 | 12♏16 | 1♎16 | 16♑27 | 19♒45 | 27♈57 | 6♍19 | 26♎ 2 | 25♌21 | 14♒15 | 13♒17 | 29♍52 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 3n25 | 20n45 | 5n11 | 0n12 | 0s28 | 15n18 | 1n30 | 26s35 | 2s41 | 16s24 | 1s51 | 9n37 | 2s17 | 10n42 | 0n45 | 8s 9 | 1n50 | 29n20 | 16n47 | 16s14 | 16s42 | 1s43 | | | n.a. |
| M 2 | 3 0 | 24 44 | 5 7 | 0s32 | 0 34 | 14 53 | 1 31 | 26 34 | 2 39 | 16 26 | 1 51 | 9 35 | 2 17 | 10 41 | 0 45 | 8 10 | 1 50 | 29 20 | 16 47 | 16 15 | 16 43 | 1 46 | | | n.a. |
| T 3 | 2 36 | 27 9 | 4 45 | 1 15 | 0 40 | 14 29 | 1 32 | 26 32 | 2 37 | 16 28 | 1 51 | 9 34 | 2 17 | 10 39 | 0 45 | 8 10 | 1 50 | 29 19 | 16 47 | 16 16 | 16 44 | 1 50 | | | n.a. |
| W 4 | 2 11 | 27 54 | 4 8 | 1 59 | 0 47 | 14 3 | 1 33 | 26 30 | 2 35 | 16 30 | 1 50 | 9 33 | 2 17 | 10 38 | 0 45 | 8 11 | 1 50 | 29 19 | 16 48 | 16 16 | 16 45 | 1 53 | | | n.a. |
| T 5 | 1 46 | 27 5 | 3 20 | 2 42 | 0 53 | 13 37 | 1 33 | 26 29 | 2 33 | 16 31 | 1 50 | 9 31 | 2 17 | 10 37 | 0 45 | 8 12 | 1 50 | 29 18 | 16 48 | 16 16 | 16 46 | 1 56 | | | n.a. |
| F 6 | 1 22 | 24 53 | 2 23 | 3 25 | 0 59 | 13 11 | 1 34 | 26 27 | 2 31 | 16 33 | 1 50 | 9 30 | 2 17 | 10 35 | 0 45 | 8 13 | 1 50 | 29 18 | 16 48 | 16 16 | 16 47 | 2 0 | | | n.a. |
| S 7 | 0 57 | 21 34 | 1 21 | 4 8 | 1 5 | 12 45 | 1 35 | 26 24 | 2 29 | 16 34 | 1 50 | 9 29 | 2 17 | 10 34 | 0 45 | 8 14 | 1 50 | 29 17 | 16 49 | 16 15 | 16 48 | 2 3 | | | n.a. |
| S 8 | 0 33 | 17 23 | 0 16 | 4 50 | 1 11 | 12 18 | 1 35 | 26 22 | 2 28 | 16 35 | 1 49 | 9 27 | 2 17 | 10 33 | 0 45 | 8 14 | 1 50 | 29 17 | 16 49 | 16 15 | 16 49 | 2 6 | | | n.a. |
| M 9 | 0 8 | 12 34 | 0s49 | 5 32 | 1 17 | 11 50 | 1 36 | 26 20 | 2 26 | 16 37 | 1 49 | 9 26 | 2 17 | 10 31 | 0 45 | 8 15 | 1 50 | 29 16 | 16 49 | 16 15 | 16 50 | 2 10 | | | n.a. |
| T 10 | 0s17 | 7 20 | 1 50 | 6 14 | 1 23 | 11 23 | 1 36 | 26 17 | 2 24 | 16 38 | 1 49 | 9 24 | 2 17 | 10 30 | 0 45 | 8 16 | 1 50 | 29 16 | 16 50 | 16 16 | 16 50 | 2 13 | | | n.a. |
| W11 | 0 42 | 1 52 | 2 47 | 6 56 | 1 28 | 10 55 | 1 36 | 26 14 | 2 22 | 16 39 | 1 49 | 9 23 | 2 17 | 10 29 | 0 45 | 8 17 | 1 50 | 29 15 | 16 50 | 16 17 | 16 51 | 2 16 | | | n.a. |
| T 12 | 1 6 | 3s39 | 3 37 | 7 37 | 1 34 | 10 27 | 1 37 | 26 11 | 2 20 | 16 40 | 1 48 | 9 21 | 2 18 | 10 27 | 0 45 | 8 18 | 1 50 | 29 15 | 16 50 | 16 19 | 16 52 | 2 19 | | | n.a. |
| F 13 | 1 31 | 9 2 | 4 17 | 8 17 | 1 39 | 9 58 | 1 37 | 26 8 | 2 18 | 16 41 | 1 48 | 9 20 | 2 18 | 10 26 | 0 45 | 8 18 | 1 50 | 29 15 | 16 51 | 16 22 | 16 53 | 2 23 | | | n.a. |
| S 14 | 1 56 | 14 8 | 4 46 | 8 57 | 1 44 | 9 29 | 1 37 | 26 5 | 2 17 | 16 42 | 1 48 | 9 18 | 2 18 | 10 25 | 0 45 | 8 19 | 1 50 | 29 14 | 16 51 | 16 25 | 16 54 | 2 26 | | | n.a. |
| S 15 | 2 20 | 18 44 | 5 2 | 9 37 | 1 48 | 9 0 | 1 37 | 26 1 | 2 15 | 16 43 | 1 47 | 9 16 | 2 18 | 10 24 | 0 45 | 8 20 | 1 50 | 29 14 | 16 51 | 16 28 | 16 55 | 2 29 | | | n.a. |
| M16 | 2 45 | 22 38 | 5 6 | 10 16 | 1 53 | 8 31 | 1 37 | 25 57 | 2 13 | 16 44 | 1 47 | 9 15 | 2 18 | 10 22 | 0 45 | 8 21 | 1 50 | 29 14 | 16 52 | 16 31 | 16 56 | 2 33 | | | n.a. |
| T 17 | 3 10 | 25 34 | 4 55 | 10 54 | 1 57 | 8 1 | 1 37 | 25 54 | 2 11 | 16 45 | 1 47 | 9 13 | 2 18 | 10 21 | 0 45 | 8 22 | 1 50 | 29 13 | 16 52 | 16 33 | 16 57 | 2 36 | | | n.a. |
| W18 | 3 34 | 27 20 | 4 30 | 11 31 | 2 1 | 7 32 | 1 37 | 25 50 | 2 10 | 16 46 | 1 47 | 9 12 | 2 18 | 10 20 | 0 45 | 8 22 | 1 50 | 29 13 | 16 53 | 16 35 | 16 58 | 2 39 | | | n.a. |
| T 19 | 3 59 | 27 44 | 3 52 | 12 8 | 2 5 | 7 2 | 1 36 | 25 45 | 2 8 | 16 46 | 1 46 | 9 10 | 2 18 | 10 19 | 0 46 | 8 23 | 1 50 | 29 13 | 16 53 | 16 36 | 16 59 | 2 42 | | | n.a. |
| F 20 | 4 23 | 26 36 | 3 1 | 12 44 | 2 8 | 6 31 | 1 36 | 25 41 | 2 6 | 16 47 | 1 46 | 9 8 | 2 18 | 10 17 | 0 46 | 8 24 | 1 50 | 29 12 | 16 53 | 16 36 | 17 0 | 2 46 | | | n.a. |
| S 21 | 4 48 | 23 57 | 1 59 | 13 19 | 2 12 | 6 1 | 1 36 | 25 36 | 2 4 | 16 47 | 1 46 | 9 6 | 2 18 | 10 16 | 0 46 | 8 25 | 1 50 | 29 12 | 16 54 | 16 36 | 17 1 | 2 49 | | | n.a. |
| S 22 | 5 12 | 19 51 | 0 48 | 13 53 | 2 14 | 5 30 | 1 35 | 25 31 | 2 3 | 16 48 | 1 45 | 9 5 | 2 18 | 10 15 | 0 46 | 8 26 | 1 50 | 29 12 | 16 54 | 16 36 | 17 2 | 2 52 | | | n.a. |
| M23 | 5 36 | 14 31 | 0n28 | 14 26 | 2 16 | 5 0 | 1 35 | 25 26 | 2 1 | 16 48 | 1 45 | 9 3 | 2 18 | 10 14 | 0 46 | 8 27 | 1 50 | 29 12 | 16 55 | 16 36 | 17 3 | 2 56 | | | n.a. |
| T 24 | 6 0 | 8 14 | 1 44 | 14 58 | 2 18 | 4 29 | 1 34 | 25 21 | 1 59 | 16 48 | 1 45 | 9 1 | 2 18 | 10 13 | 0 46 | 8 28 | 1 50 | 29 11 | 16 55 | 16 36 | 17 4 | 2 59 | | | n.a. |
| W25 | 6 24 | 1 21 | 2 55 | 15 28 | 2 19 | 3 58 | 1 33 | 25 16 | 1 58 | 16 49 | 1 44 | 9 0 | 2 18 | 10 12 | 0 46 | 8 28 | 1 50 | 29 11 | 16 56 | 16 38 | 17 5 | 3 2 | | | n.a. |
| T 26 | 6 48 | 5n41 | 3 54 | 15 57 | 2 20 | 3 26 | 1 32 | 25 10 | 1 56 | 16 49 | 1 44 | 8 58 | 2 18 | 10 10 | 0 46 | 8 29 | 1 50 | 29 11 | 16 56 | 16 40 | 17 5 | 3 5 | | | n.a. |
| F 27 | 7 12 | 12 26 | 4 37 | 16 25 | 2 20 | 2 55 | 1 32 | 25 5 | 1 54 | 16 49 | 1 44 | 8 56 | 2 18 | 10 9 | 0 46 | 8 30 | 1 49 | 29 11 | 16 56 | 16 42 | 17 6 | 3 9 | | | n.a. |
| S 28 | 7 36 | 18 22 | 4 59 | 16 51 | 2 20 | 2 24 | 1 31 | 24 59 | 1 53 | 16 49 | 1 44 | 8 54 | 2 18 | 10 8 | 0 46 | 8 31 | 1 49 | 29 11 | 16 57 | 16 45 | 17 7 | 3 12 | | | n.a. |
| S 29 | 7 59 | 23 5 | 5 1 | 17 15 | 2 19 | 1 52 | 1 30 | 24 53 | 1 51 | 16 49 | 1 43 | 8 53 | 2 18 | 10 7 | 0 46 | 8 32 | 1 49 | 29 10 | 16 57 | 16 48 | 17 8 | 3 15 | | | n.a. |
| M30 | 8 23 | 26 13 | 4 44 | 17 37 | 2 17 | 1 21 | 1 29 | 24 47 | 1 49 | 16 49 | 1 43 | 8 51 | 2 18 | 10 6 | 0 46 | 8 33 | 1 49 | 29 10 | 16 58 | 16 51 | 17 9 | 3 18 | | | n.a. |
| T 31 | 8s46 | 27n36 | 4n10 | 17s57 | 2s14 | 0n49 | 1n28 | 24s40 | 1s48 | 16s48 | 1s43 | 8n49 | 2s18 | 10n 5 | 0n46 | 8s33 | 1n49 | 29n10 | 16n58 | 16s53 | 17s10 | 3s22 | | | n.a. |

Julian Day Number = 999962.5, Delta T = 12h52m22s
Ecliptic obliquity = 23°55'25, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'24, Lahiri = -31°11'23 Julian Calendar 1 Oct. 1976 BCE == Greg. Calendar 14 Sept. 1976 BCE


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## NOVEMBER 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 34 12 | 23♎ 6'49 | 2♋28 | 13♏24 | 2♎31 | 17♑ 6 | 19°D45 | 27°R52 | 6♍22 | 26♎ 4 | 25♌22 | 14°R11 | 13♒14 | 29♍58 | n.a. | W 1 |
| T 2 | 1 38 8 | 24° 8'06 | 15°27 | 14°27 | 3°47 | 17°45 | 19♒45 | 27♈47 | 6°25 | 26° 7 | 25°24 | 14♒ 9 | 13°11 | 0♎ 5 | n.a. | T 2 |
| F 3 | 1 42 5 | 25° 9'24 | 28° 1 | 15°26 | 5° 2 | 18°24 | 19°45 | 27°42 | 6°28 | 26° 9 | 25°25 | 14°D 9 | 13° 8 | 0°12 | n.a. | F 3 |
| S 4 | 1 46 1 | 26°10'42 | 10♌16 | 16°20 | 6°18 | 19° 3 | 19°46 | 27°37 | 6°31 | 26°11 | 25°27 | 14°R 9 | 13° 5 | 0°18 | n.a. | S 4 |
| S 5 | 1 49 58 | 27°12'01 | 22°17 | 17° 8 | 7°33 | 19°42 | 19°47 | 27°32 | 6°33 | 26°13 | 25°28 | 14° 9 | 13° 2 | 0°25 | n.a. | S 5 |
| M 6 | 1 53 54 | 28°13'20 | 4♍ 9 | 17°49 | 8°48 | 20°21 | 19°47 | 27°27 | 6°36 | 26°16 | 25°29 | 14° 7 | 12°58 | 0°32 | n.a. | M 6 |
| T 7 | 1 57 51 | 29°14'40 | 15°57 | 18°22 | 10° 4 | 21° 1 | 19°49 | 27°22 | 6°39 | 26°18 | 25°31 | 14° 3 | 12°55 | 0°38 | n.a. | T 7 |
| W 8 | 2 1 48 | 0♏16'01 | 27°45 | 18°46 | 11°19 | 21°40 | 19°50 | 27°17 | 6°41 | 26°20 | 25°32 | 13°55 | 12°52 | 0°45 | n.a. | W 8 |
| T 9 | 2 5 44 | 1°17'22 | 9♎36 | 19° 1 | 12°35 | 22°19 | 19°51 | 27°12 | 6°44 | 26°22 | 25°33 | 13°45 | 12°49 | 0°52 | n.a. | T 9 |
| F 10 | 2 9 41 | 2°18'43 | 21°32 | 19°R 5 | 13°50 | 22°59 | 19°53 | 27° 7 | 6°46 | 26°25 | 25°35 | 13°32 | 12°46 | 0°58 | n.a. | F 10 |
| S 11 | 2 13 37 | 3°20'04 | 3♏35 | 18°58 | 15° 6 | 23°38 | 19°55 | 27° 2 | 6°49 | 26°27 | 25°36 | 13°18 | 12°42 | 1° 5 | n.a. | S 11 |
| S 12 | 2 17 34 | 4°21'25 | 15°45 | 18°40 | 16°21 | 24°17 | 19°57 | 26°57 | 6°51 | 26°29 | 25°37 | 13° 3 | 12°39 | 1°12 | n.a. | S 12 |
| M13 | 2 21 30 | 5°22'47 | 28° 4 | 18°10 | 17°37 | 24°57 | 20° 0 | 26°52 | 6°54 | 26°31 | 25°38 | 12°49 | 12°36 | 1°18 | n.a. | M13 |
| T 14 | 2 25 27 | 6°24'08 | 10♐33 | 17°28 | 18°52 | 25°36 | 20° 2 | 26°47 | 6°56 | 26°34 | 25°39 | 12°37 | 12°33 | 1°25 | n.a. | T 14 |
| W15 | 2 29 24 | 7°25'29 | 23°11 | 16°35 | 20° 7 | 26°16 | 20° 5 | 26°42 | 6°59 | 26°36 | 25°40 | 12°27 | 12°30 | 1°32 | n.a. | W15 |
| T 16 | 2 33 20 | 8°26'50 | 6♑ 1 | 15°32 | 21°23 | 26°55 | 20° 8 | 26°37 | 7° 1 | 26°38 | 25°41 | 12°21 | 12°27 | 1°39 | n.a. | T 16 |
| F 17 | 2 37 17 | 9°28'10 | 19° 4 | 14°22 | 22°38 | 27°35 | 20°11 | 26°33 | 7° 3 | 26°40 | 25°42 | 12°18 | 12°23 | 1°45 | n.a. | F 17 |
| S 18 | 2 41 13 | 10°29'30 | 2♒23 | 13° 5 | 23°54 | 28°15 | 20°14 | 26°28 | 7° 5 | 26°43 | 25°43 | 12°17 | 12°20 | 1°52 | n.a. | S 18 |
| S 19 | 2 45 10 | 11°30'50 | 16° 0 | 11°45 | 25° 9 | 28°54 | 20°18 | 26°23 | 7° 8 | 26°45 | 25°44 | 12°17 | 12°17 | 1°59 | n.a. | S 19 |
| M20 | 2 49 6 | 12°32'09 | 29°57 | 10°24 | 26°25 | 29°34 | 20°21 | 26°18 | 7°10 | 26°47 | 25°45 | 12°17 | 12°14 | 2° 5 | n.a. | M20 |
| T 21 | 2 53 3 | 13°33'27 | 14♓15 | 9° 5 | 27°40 | 0♒14 | 20°25 | 26°14 | 7°12 | 26°49 | 25°46 | 12°14 | 12°11 | 2°12 | n.a. | T 21 |
| W22 | 2 57 0 | 14°34'44 | 28°51 | 7°50 | 28°55 | 0°53 | 20°29 | 26° 9 | 7°14 | 26°51 | 25°47 | 12° 9 | 12° 7 | 2°19 | n.a. | W22 |
| T 23 | 3 0 56 | 15°36'01 | 13♈43 | 6°41 | 0♏11 | 1°33 | 20°34 | 26° 5 | 7°16 | 26°54 | 25°48 | 12° 2 | 12° 4 | 2°25 | n.a. | T 23 |
| F 24 | 3 4 53 | 16°37'17 | 28°42 | 5°40 | 1°26 | 2°13 | 20°38 | 26° 0 | 7°18 | 26°56 | 25°48 | 11°51 | 12° 1 | 2°32 | n.a. | F 24 |
| S 25 | 3 8 49 | 17°38'33 | 13♉39 | 4°48 | 2°41 | 2°53 | 20°43 | 25°56 | 7°19 | 26°58 | 25°49 | 11°39 | 11°58 | 2°39 | n.a. | S 25 |
| S 26 | 3 12 46 | 18°39'49 | 28°25 | 4° 6 | 3°57 | 3°32 | 20°48 | 25°51 | 7°21 | 27° 0 | 25°50 | 11°27 | 11°55 | 2°45 | n.a. | S 26 |
| M27 | 3 16 42 | 19°41'04 | 12♊52 | 3°34 | 5°12 | 4°12 | 20°53 | 25°47 | 7°23 | 27° 2 | 25°51 | 11°16 | 11°52 | 2°52 | n.a. | M27 |
| T 28 | 3 20 39 | 20°42'18 | 26°54 | 3°11 | 6°27 | 4°52 | 20°58 | 25°42 | 7°25 | 27° 4 | 25°51 | 11° 8 | 11°48 | 2°59 | n.a. | T 28 |
| W29 | 3 24 35 | 21°43'32 | 10♋27 | 2°59 | 7°43 | 5°32 | 21° 3 | 25°38 | 7°26 | 27° 7 | 25°52 | 11° 2 | 11°45 | 3° 6 | n.a. | W29 |
| T 30 | 3 28 32 | 22♏44'46 | 23♋32 | 2°D55 | 8♏58 | 6♒12 | 21♒ 9 | 25♈34 | 7♍28 | 27♎ 9 | 25♌52 | 10♒58 | 11♒42 | 3♎12 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 9s10 | 27n17 | 3n23 | 18s15 | 2s11 | 0n18 | 1n27 | 24s34 | 1s46 | 16s48 | 1s42 | 8n47 | 2s18 | 10n 4 | 0n46 | 8s34 | 1n49 | 29n10 | 16n59 | 16s54 | 17s11 | 3s25 | | n.a. |
| T 2 | 9 33 | 25 26 | 2 26 | 18 30 | 2 6 | 0s14 | 1 25 | 24 27 | 1 45 | 16 48 | 1 42 | 8 46 | 2 18 | 10 3 | 0 46 | 8 35 | 1 49 | 29 10 | 16 59 | 16 55 | 17 12 | 3 28 | | n.a. |
| F 3 | 9 56 | 22 22 | 1 25 | 18 43 | 2 0 | 0 46 | 1 24 | 24 20 | 1 43 | 16 47 | 1 42 | 8 44 | 2 18 | 10 2 | 0 46 | 8 36 | 1 49 | 29 10 | 17 0 | 16 55 | 17 13 | 3 32 | | n.a. |
| S 4 | 10 18 | 18 21 | 0 21 | 18 52 | 1 54 | 1 17 | 1 23 | 24 13 | 1 42 | 16 47 | 1 41 | 8 42 | 2 17 | 10 1 | 0 46 | 8 37 | 1 49 | 29 10 | 17 0 | 16 55 | 17 14 | 3 35 | | n.a. |
| S 5 | 10 41 | 13 41 | 0s43 | 18 59 | 1 46 | 1 49 | 1 21 | 24 6 | 1 40 | 16 46 | 1 41 | 8 40 | 2 17 | 10 0 | 0 46 | 8 38 | 1 49 | 29 10 | 17 1 | 16 55 | 17 15 | 3 38 | | n.a. |
| M 6 | 11 3 | 8 34 | 1 44 | 19 2 | 1 37 | 2 20 | 1 20 | 23 58 | 1 39 | 16 46 | 1 41 | 8 39 | 2 17 | 9 59 | 0 46 | 8 38 | 1 49 | 29 10 | 17 1 | 16 56 | 17 16 | 3 41 | | n.a. |
| T 7 | 11 26 | 3 12 | 2 40 | 19 1 | 1 26 | 2 52 | 1 18 | 23 50 | 1 37 | 16 45 | 1 40 | 8 37 | 2 17 | 9 58 | 0 46 | 8 39 | 1 49 | 29 10 | 17 2 | 16 57 | 17 17 | 3 45 | | n.a. |
| W 8 | 11 48 | 2s16 | 3 29 | 18 56 | 1 14 | 3 24 | 1 17 | 23 43 | 1 36 | 16 44 | 1 40 | 8 35 | 2 17 | 9 57 | 0 46 | 8 40 | 1 49 | 29 10 | 17 2 | 16 59 | 17 17 | 3 48 | | n.a. |
| T 9 | 12 9 | 7 40 | 4 9 | 18 48 | 1 1 | 3 55 | 1 15 | 23 35 | 1 34 | 16 44 | 1 40 | 8 33 | 2 17 | 9 56 | 0 46 | 8 41 | 1 49 | 29 10 | 17 3 | 17 2 | 17 18 | 3 51 | | n.a. |
| F 10 | 12 31 | 12 50 | 4 38 | 18 35 | 0 46 | 4 26 | 1 14 | 23 26 | 1 33 | 16 43 | 1 39 | 8 32 | 2 17 | 9 55 | 0 46 | 8 42 | 1 49 | 29 10 | 17 3 | 17 6 | 17 19 | 3 54 | | n.a. |
| S 11 | 12 53 | 17 34 | 4 55 | 18 17 | 0 30 | 4 58 | 1 12 | 23 18 | 1 31 | 16 42 | 1 39 | 8 30 | 2 17 | 9 54 | 0 46 | 8 43 | 1 49 | 29 10 | 17 4 | 17 10 | 17 20 | 3 58 | | n.a. |
| S 12 | 13 14 | 21 39 | 4 59 | 17 55 | 0 12 | 5 29 | 1 10 | 23 10 | 1 30 | 16 41 | 1 39 | 8 28 | 2 17 | 9 53 | 0 46 | 8 43 | 1 49 | 29 10 | 17 5 | 17 14 | 17 21 | 4 1 | | n.a. |
| M13 | 13 35 | 24 49 | 4 49 | 17 29 | 0n 6 | 6 0 | 1 8 | 23 1 | 1 28 | 16 40 | 1 38 | 8 27 | 2 17 | 9 52 | 0 46 | 8 44 | 1 49 | 29 10 | 17 5 | 17 18 | 17 22 | 4 4 | | n.a. |
| T 14 | 13 55 | 26 51 | 4 25 | 16 58 | 0 26 | 6 31 | 1 7 | 22 52 | 1 27 | 16 39 | 1 38 | 8 25 | 2 17 | 9 51 | 0 46 | 8 45 | 1 49 | 29 10 | 17 6 | 17 22 | 17 23 | 4 7 | | n.a. |
| W15 | 14 16 | 27 32 | 3 48 | 16 24 | 0 46 | 7 2 | 1 5 | 22 43 | 1 25 | 16 37 | 1 38 | 8 23 | 2 16 | 9 50 | 0 46 | 8 46 | 1 49 | 29 10 | 17 6 | 17 25 | 17 24 | 4 11 | | n.a. |
| T 16 | 14 36 | 26 46 | 2 59 | 15 46 | 1 6 | 7 32 | 1 3 | 22 34 | 1 24 | 16 36 | 1 37 | 8 22 | 2 16 | 9 50 | 0 46 | 8 47 | 1 49 | 29 10 | 17 7 | 17 26 | 17 25 | 4 14 | | n.a. |
| F 17 | 14 56 | 24 30 | 1 59 | 15 6 | 1 26 | 8 3 | 1 1 | 22 25 | 1 22 | 16 35 | 1 37 | 8 20 | 2 16 | 9 49 | 0 46 | 8 48 | 1 49 | 29 10 | 17 7 | 17 27 | 17 26 | 4 17 | | n.a. |
| S 18 | 15 16 | 20 52 | 0 52 | 14 25 | 1 45 | 8 33 | 0 59 | 22 15 | 1 21 | 16 33 | 1 37 | 8 18 | 2 16 | 9 48 | 0 46 | 8 48 | 1 49 | 29 11 | 17 8 | 17 27 | 17 27 | 4 20 | | n.a. |
| S 19 | 15 35 | 16 3 | 0n20 | 13 43 | 2 3 | 9 3 | 0 57 | 22 5 | 1 20 | 16 32 | 1 36 | 8 17 | 2 16 | 9 47 | 0 46 | 8 49 | 1 49 | 29 11 | 17 8 | 17 27 | 17 27 | 4 24 | | n.a. |
| M20 | 15 55 | 10 17 | 1 32 | 13 2 | 2 20 | 9 33 | 0 55 | 21 56 | 1 18 | 16 30 | 1 36 | 8 15 | 2 16 | 9 46 | 0 46 | 8 50 | 1 49 | 29 11 | 17 9 | 17 28 | 17 28 | 4 27 | | n.a. |
| T 21 | 16 14 | 3 52 | 2 40 | 12 23 | 2 34 | 10 2 | 0 53 | 21 46 | 1 17 | 16 29 | 1 36 | 8 13 | 2 16 | 9 46 | 0 46 | 8 51 | 1 49 | 29 11 | 17 10 | 17 28 | 17 29 | 4 30 | | n.a. |
| W22 | 16 32 | 2n52 | 3 39 | 11 47 | 2 46 | 10 32 | 0 50 | 21 35 | 1 15 | 16 27 | 1 35 | 8 12 | 2 15 | 9 45 | 0 47 | 8 52 | 1 49 | 29 11 | 17 10 | 17 30 | 17 30 | 4 33 | | n.a. |
| T 23 | 16 50 | 9 34 | 4 25 | 11 15 | 2 56 | 11 1 | 0 48 | 21 25 | 1 14 | 16 26 | 1 35 | 8 10 | 2 15 | 9 44 | 0 47 | 8 52 | 1 49 | 29 12 | 17 11 | 17 32 | 17 31 | 4 36 | | n.a. |
| F 24 | 17 8 | 15 46 | 4 52 | 10 47 | 3 4 | 11 29 | 0 46 | 21 15 | 1 13 | 16 24 | 1 35 | 8 9 | 2 15 | 9 43 | 0 47 | 8 53 | 1 49 | 29 12 | 17 11 | 17 35 | 17 32 | 4 40 | | n.a. |
| S 25 | 17 26 | 21 0 | 5 0 | 10 25 | 3 9 | 11 58 | 0 44 | 21 4 | 1 11 | 16 22 | 1 34 | 8 7 | 2 15 | 9 43 | 0 47 | 8 54 | 1 50 | 29 12 | 17 12 | 17 38 | 17 33 | 4 43 | | n.a. |
| S 26 | 17 44 | 24 52 | 4 47 | 10 8 | 3 13 | 12 26 | 0 42 | 20 53 | 1 10 | 16 20 | 1 34 | 8 6 | 2 15 | 9 42 | 0 47 | 8 55 | 1 50 | 29 12 | 17 12 | 17 42 | 17 34 | 4 46 | | n.a. |
| M27 | 18 1 | 27 2 | 4 16 | 9 55 | 3 14 | 12 54 | 0 39 | 20 42 | 1 9 | 16 18 | 1 34 | 8 5 | 2 14 | 9 42 | 0 47 | 8 55 | 1 50 | 29 13 | 17 13 | 17 45 | 17 35 | 4 49 | | n.a. |
| T 28 | 18 17 | 27 23 | 3 30 | 9 48 | 3 14 | 13 22 | 0 37 | 20 31 | 1 8 | 16 16 | 1 34 | 8 3 | 2 14 | 9 41 | 0 47 | 8 56 | 1 50 | 29 13 | 17 14 | 17 47 | 17 36 | 4 53 | | n.a. |
| W29 | 18 34 | 26 4 | 2 34 | 9 45 | 3 12 | 13 49 | 0 35 | 20 20 | 1 6 | 16 14 | 1 33 | 8 2 | 2 14 | 9 40 | 0 47 | 8 57 | 1 50 | 29 13 | 17 14 | 17 49 | 17 37 | 4 56 | | n.a. |
| T 30 | 18s50 | 23n19 | 1n31 | 9s47 | 3n 8 | 14s16 | 0n32 | 20s 9 | 1s 5 | 16s12 | 1s33 | 8n 0 | 2s14 | 9n40 | 0n47 | 8s58 | 1n50 | 29n14 | 17n15 | 17s50 | 17s37 | 4s59 | | n.a. |

Julian Day Number = 999993.5, Delta T = 12h52m20s
Ecliptic obliquity = 23°55'25, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'19, Lahiri = -31°11'19 Julian Calendar 1 Nov. 1976 BCE == Greg. Calendar 15 Oct. 1976 BCE


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# ASTRODIENST EPHEMERIS for the year 1976 BCE
# geocentric

## DECEMBER 1976 BCE (-1975) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 32 29 | 23♏45'59 | 6♌12 | 2♏59 | 10♏13 | 6♒51 | 21♒15 | 25°R30 | 7♍30 | 27♎11 | 25♌53 | 10°D57 | 11♒39 | 3♎19 | n.a. | F 1 |
| S 2 | 3 36 25 | 24°47'11 | 18°31 | 3°12 | 11°29 | 7°31 | 21°21 | 25♈26 | 7°31 | 27°13 | 25°53 | 10♒57 | 11°36 | 3°26 | n.a. | S 2 |
| S 3 | 3 40 22 | 25°48'24 | 0♍35 | 3°32 | 12°44 | 8°11 | 21°27 | 25°22 | 7°33 | 27°15 | 25°54 | 10°R57 | 11°33 | 3°32 | n.a. | S 3 |
| M 4 | 3 44 18 | 26°49'35 | 12°29 | 3°58 | 13°59 | 8°51 | 21°33 | 25°18 | 7°34 | 27°17 | 25°54 | 10°56 | 11°29 | 3°39 | n.a. | M 4 |
| T 5 | 3 48 15 | 27°50'46 | 24°17 | 4°31 | 15°15 | 9°31 | 21°39 | 25°14 | 7°35 | 27°19 | 25°55 | 10°53 | 11°26 | 3°46 | n.a. | T 5 |
| W 6 | 3 52 11 | 28°51'56 | 6♎ 6 | 5° 8 | 16°30 | 10°11 | 21°46 | 25°10 | 7°37 | 27°21 | 25°55 | 10°47 | 11°23 | 3°52 | n.a. | W 6 |
| T 7 | 3 56 8 | 29°53'06 | 18° 0 | 5°51 | 17°45 | 10°51 | 21°53 | 25° 7 | 7°38 | 27°23 | 25°55 | 10°38 | 11°20 | 3°59 | n.a. | T 7 |
| F 8 | 4 0 5 | 0♐54'14 | 0♏ 1 | 6°38 | 19° 0 | 11°31 | 22° 0 | 25° 3 | 7°39 | 27°25 | 25°56 | 10°27 | 11°17 | 4° 6 | n.a. | F 8 |
| S 9 | 4 4 1 | 1°55'22 | 12°13 | 7°29 | 20°16 | 12°10 | 22° 7 | 25° 0 | 7°40 | 27°27 | 25°56 | 10°14 | 11°13 | 4°13 | n.a. | S 9 |
| S 10 | 4 7 58 | 2°56'29 | 24°36 | 8°24 | 21°31 | 12°50 | 22°14 | 24°56 | 7°41 | 27°29 | 25°56 | 10° 1 | 11°10 | 4°19 | n.a. | S 10 |
| M11 | 4 11 54 | 3°57'35 | 7♐10 | 9°22 | 22°46 | 13°30 | 22°21 | 24°53 | 7°42 | 27°31 | 25°56 | 9°49 | 11° 7 | 4°26 | n.a. | M11 |
| T 12 | 4 15 51 | 4°58'40 | 19°57 | 10°23 | 24° 1 | 14°10 | 22°29 | 24°50 | 7°43 | 27°33 | 25°56 | 9°38 | 11° 4 | 4°33 | n.a. | T 12 |
| W13 | 4 19 47 | 5°59'44 | 2♑55 | 11°27 | 25°17 | 14°50 | 22°37 | 24°47 | 7°44 | 27°35 | 25°56 | 9°30 | 11° 1 | 4°39 | n.a. | W13 |
| T 14 | 4 23 44 | 7° 0'46 | 16° 3 | 12°33 | 26°32 | 15°30 | 22°44 | 24°44 | 7°45 | 27°36 | 25°57 | 9°25 | 10°58 | 4°46 | n.a. | T 14 |
| F 15 | 4 27 41 | 8° 1'47 | 29°23 | 13°41 | 27°47 | 16°10 | 22°52 | 24°41 | 7°46 | 27°38 | 25°R57 | 9°22 | 10°54 | 4°53 | n.a. | F 15 |
| S 16 | 4 31 37 | 9° 2'46 | 12♒53 | 14°51 | 29° 2 | 16°50 | 23° 1 | 24°38 | 7°47 | 27°40 | 25°57 | 9°D22 | 10°51 | 4°59 | n.a. | S 16 |
| S 17 | 4 35 34 | 10° 3'44 | 26°35 | 16° 3 | 0♐17 | 17°30 | 23° 9 | 24°35 | 7°47 | 27°42 | 25°56 | 9°22 | 10°48 | 5° 6 | n.a. | S 17 |
| M18 | 4 39 30 | 11° 4'40 | 10♓29 | 17°17 | 1°32 | 18°10 | 23°17 | 24°32 | 7°48 | 27°44 | 25°56 | 9°R23 | 10°45 | 5°13 | n.a. | M18 |
| T 19 | 4 43 27 | 12° 5'35 | 24°35 | 18°33 | 2°47 | 18°50 | 23°26 | 24°30 | 7°49 | 27°45 | 25°56 | 9°22 | 10°42 | 5°19 | n.a. | T 19 |
| W20 | 4 47 23 | 13° 6'27 | 8♈53 | 19°49 | 4° 3 | 19°30 | 23°35 | 24°27 | 7°49 | 27°47 | 25°56 | 9°19 | 10°39 | 5°26 | n.a. | W20 |
| T 21 | 4 51 20 | 14° 7'19 | 23°20 | 21° 8 | 5°18 | 20°10 | 23°43 | 24°25 | 7°50 | 27°49 | 25°56 | 9°14 | 10°35 | 5°33 | n.a. | T 21 |
| F 22 | 4 55 16 | 15° 8'08 | 7♉51 | 22°27 | 6°33 | 20°50 | 23°52 | 24°23 | 7°50 | 27°51 | 25°56 | 9° 7 | 10°32 | 5°40 | n.a. | F 22 |
| S 23 | 4 59 13 | 16° 8'56 | 22°21 | 23°48 | 7°48 | 21°30 | 24° 1 | 24°21 | 7°50 | 27°52 | 25°55 | 8°58 | 10°29 | 5°46 | n.a. | S 23 |
| S 24 | 5 3 10 | 17° 9'42 | 6♊44 | 25°10 | 9° 3 | 22° 9 | 24°11 | 24°19 | 7°51 | 27°54 | 25°55 | 8°50 | 10°26 | 5°53 | n.a. | S 24 |
| M25 | 5 7 6 | 18°10'26 | 20°53 | 26°34 | 10°18 | 22°49 | 24°20 | 24°17 | 7°51 | 27°56 | 25°55 | 8°41 | 10°23 | 6° 0 | n.a. | M25 |
| T 26 | 5 11 3 | 19°11'10 | 4♋42 | 27°58 | 11°33 | 23°29 | 24°30 | 24°15 | 7°51 | 27°57 | 25°54 | 8°35 | 10°19 | 6° 6 | n.a. | T 26 |
| W27 | 5 14 59 | 20°11'51 | 18°10 | 29°23 | 12°48 | 24° 9 | 24°39 | 24°13 | 7°51 | 27°59 | 25°54 | 8°31 | 10°16 | 6°13 | n.a. | W27 |
| T 28 | 5 18 56 | 21°12'31 | 1♌14 | 0♐49 | 14° 3 | 24°49 | 24°49 | 24°12 | 7°51 | 28° 0 | 25°54 | 8°29 | 10°13 | 6°20 | n.a. | T 28 |
| F 29 | 5 22 52 | 22°13'10 | 13°56 | 2°17 | 15°18 | 25°29 | 24°59 | 24°10 | 7°R51 | 28° 2 | 25°53 | 8°D29 | 10°10 | 6°26 | n.a. | F 29 |
| S 30 | 5 26 49 | 23°13'47 | 26°18 | 3°45 | 16°33 | 26° 9 | 25° 9 | 24° 9 | 7°51 | 28° 3 | 25°53 | 8°30 | 10° 7 | 6°33 | n.a. | S 30 |
| S 31 | 5 30 46 | 24♐14'22 | 8♍26 | 5♐14 | 17♐48 | 26♒49 | 25♒19 | 24♈ 8 | 7♍51 | 28♎ 5 | 25♌52 | 8♒31 | 10♒ 4 | 6♎40 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 19s 6 | 19n30 | 0n25 | 9s53 | 3n 4 | 14s42 | 0n30 | 19s57 | 1s 4 | 16s10 | 1s33 | 7n59 | 2s14 | 9n39 | 0n47 | 8s58 | 1n50 | 29n14 | 17n15 | 17s50 | 17s38 | 5s 2 | | n.a. |
| S 2 | 19 21 | 14 57 | 0s40 | 10 2 | 2 59 | 15 9 | 0 28 | 19 46 | 1 2 | 16 8 | 1 32 | 7 58 | 2 13 | 9 39 | 0 47 | 8 59 | 1 50 | 29 14 | 17 16 | 17 50 | 17 39 | 5 5 | | n.a. |
| S 3 | 19 36 | 9 54 | 1 42 | 10 14 | 2 53 | 15 34 | 0 25 | 19 34 | 1 1 | 16 5 | 1 32 | 7 56 | 2 13 | 9 38 | 0 47 | 9 0 | 1 50 | 29 15 | 17 17 | 17 50 | 17 40 | 5 9 | | n.a. |
| M 4 | 19 50 | 4 34 | 2 39 | 10 30 | 2 46 | 16 0 | 0 23 | 19 22 | 1 0 | 16 3 | 1 32 | 7 55 | 2 13 | 9 38 | 0 47 | 9 1 | 1 50 | 29 15 | 17 17 | 17 50 | 17 41 | 5 12 | | n.a. |
| T 5 | 20 5 | 0s52 | 3 28 | 10 48 | 2 39 | 16 25 | 0 21 | 19 10 | 0 59 | 16 1 | 1 31 | 7 54 | 2 13 | 9 37 | 0 47 | 9 1 | 1 50 | 29 16 | 17 18 | 17 51 | 17 42 | 5 15 | | n.a. |
| W 6 | 20 19 | 6 16 | 4 9 | 11 8 | 2 31 | 16 49 | 0 18 | 18 58 | 0 57 | 15 58 | 1 31 | 7 53 | 2 13 | 9 37 | 0 47 | 9 2 | 1 50 | 29 16 | 17 18 | 17 53 | 17 43 | 5 18 | | n.a. |
| T 7 | 20 32 | 11 28 | 4 39 | 11 30 | 2 23 | 17 13 | 0 16 | 18 46 | 0 56 | 15 56 | 1 31 | 7 52 | 2 12 | 9 36 | 0 47 | 9 3 | 1 50 | 29 16 | 17 19 | 17 55 | 17 44 | 5 21 | | n.a. |
| F 8 | 20 45 | 16 19 | 4 57 | 11 53 | 2 15 | 17 37 | 0 13 | 18 33 | 0 55 | 15 53 | 1 31 | 7 51 | 2 12 | 9 36 | 0 47 | 9 3 | 1 50 | 29 17 | 17 20 | 17 58 | 17 45 | 5 25 | | n.a. |
| S 9 | 20 58 | 20 34 | 5 1 | 12 18 | 2 6 | 18 0 | 0 11 | 18 21 | 0 54 | 15 50 | 1 30 | 7 50 | 2 12 | 9 35 | 0 47 | 9 4 | 1 50 | 29 17 | 17 20 | 18 2 | 17 45 | 5 28 | | n.a. |
| S 10 | 21 10 | 24 0 | 4 52 | 12 44 | 1 58 | 18 22 | 0 8 | 18 8 | 0 53 | 15 48 | 1 30 | 7 48 | 2 12 | 9 35 | 0 47 | 9 5 | 1 50 | 29 18 | 17 21 | 18 6 | 17 46 | 5 31 | | n.a. |
| M11 | 21 22 | 26 21 | 4 28 | 13 11 | 1 49 | 18 44 | 0 6 | 17 55 | 0 51 | 15 45 | 1 30 | 7 47 | 2 11 | 9 35 | 0 47 | 9 6 | 1 50 | 29 18 | 17 21 | 18 9 | 17 47 | 5 34 | | n.a. |
| T 12 | 21 33 | 27 22 | 3 51 | 13 39 | 1 40 | 19 6 | 0 4 | 17 43 | 0 50 | 15 42 | 1 29 | 7 47 | 2 11 | 9 34 | 0 47 | 9 6 | 1 50 | 29 19 | 17 22 | 18 12 | 17 48 | 5 37 | | n.a. |
| W13 | 21 45 | 26 55 | 3 1 | 14 8 | 1 31 | 19 27 | 0 1 | 17 30 | 0 49 | 15 39 | 1 29 | 7 46 | 2 11 | 9 34 | 0 47 | 9 7 | 1 50 | 29 19 | 17 23 | 18 14 | 17 49 | 5 41 | | n.a. |
| T 14 | 21 55 | 24 56 | 2 1 | 14 37 | 1 22 | 19 47 | 0s 1 | 17 16 | 0 48 | 15 36 | 1 29 | 7 45 | 2 11 | 9 34 | 0 47 | 9 7 | 1 50 | 29 20 | 17 23 | 18 16 | 17 50 | 5 44 | | n.a. |
| F 15 | 22 5 | 21 33 | 0 53 | 15 6 | 1 13 | 20 7 | 0 4 | 17 3 | 0 47 | 15 34 | 1 29 | 7 44 | 2 10 | 9 34 | 0 47 | 9 8 | 1 50 | 29 20 | 17 24 | 18 16 | 17 51 | 5 47 | | n.a. |
| S 16 | 22 15 | 16 59 | 0n19 | 15 35 | 1 5 | 20 27 | 0 6 | 16 50 | 0 46 | 15 31 | 1 28 | 7 43 | 2 10 | 9 33 | 0 48 | 9 9 | 1 50 | 29 21 | 17 24 | 18 16 | 17 52 | 5 50 | | n.a. |
| S 17 | 22 24 | 11 29 | 1 31 | 16 5 | 0 56 | 20 45 | 0 8 | 16 36 | 0 45 | 15 27 | 1 28 | 7 42 | 2 10 | 9 33 | 0 48 | 9 9 | 1 50 | 29 22 | 17 25 | 18 16 | 17 53 | 5 53 | | n.a. |
| M18 | 22 33 | 5 21 | 2 38 | 16 35 | 0 47 | 21 4 | 0 11 | 16 23 | 0 43 | 15 24 | 1 28 | 7 42 | 2 10 | 9 33 | 0 48 | 9 10 | 1 50 | 29 22 | 17 25 | 18 16 | 17 53 | 5 57 | | n.a. |
| T 19 | 22 42 | 1n 7 | 3 37 | 17 4 | 0 39 | 21 21 | 0 13 | 16 9 | 0 42 | 15 21 | 1 27 | 7 41 | 2 9 | 9 33 | 0 48 | 9 11 | 1 50 | 29 23 | 17 26 | 18 16 | 17 54 | 6 0 | | n.a. |
| W20 | 22 50 | 7 37 | 4 24 | 17 34 | 0 30 | 21 38 | 0 15 | 15 55 | 0 41 | 15 18 | 1 27 | 7 40 | 2 9 | 9 32 | 0 48 | 9 11 | 1 50 | 29 23 | 17 27 | 18 17 | 17 55 | 6 3 | | n.a. |
| T 21 | 22 57 | 13 46 | 4 54 | 18 3 | 0 22 | 21 54 | 0 18 | 15 41 | 0 40 | 15 15 | 1 27 | 7 40 | 2 9 | 9 32 | 0 48 | 9 12 | 1 50 | 29 24 | 17 27 | 18 18 | 17 56 | 6 6 | | n.a. |
| F 22 | 23 4 | 19 12 | 5 5 | 18 32 | 0 14 | 22 10 | 0 20 | 15 27 | 0 39 | 15 12 | 1 27 | 7 39 | 2 9 | 9 32 | 0 48 | 9 12 | 1 50 | 29 24 | 17 28 | 18 20 | 17 57 | 6 9 | | n.a. |
| S 23 | 23 11 | 23 30 | 4 57 | 19 1 | 0 6 | 22 25 | 0 22 | 15 13 | 0 38 | 15 8 | 1 26 | 7 38 | 2 8 | 9 32 | 0 48 | 9 13 | 1 50 | 29 25 | 17 28 | 18 23 | 17 58 | 6 12 | | n.a. |
| S 24 | 23 17 | 26 19 | 4 30 | 19 29 | 0s 2 | 22 40 | 0 25 | 14 59 | 0 37 | 15 5 | 1 26 | 7 38 | 2 8 | 9 32 | 0 48 | 9 14 | 1 50 | 29 26 | 17 29 | 18 25 | 17 59 | 6 16 | | n.a. |
| M25 | 23 23 | 27 23 | 3 47 | 19 56 | 0 10 | 22 53 | 0 27 | 14 45 | 0 36 | 15 1 | 1 26 | 7 37 | 2 8 | 9 32 | 0 48 | 9 14 | 1 50 | 29 26 | 17 30 | 18 27 | 18 0 | 6 19 | | n.a. |
| T 26 | 23 28 | 26 42 | 2 51 | 20 23 | 0 18 | 23 6 | 0 29 | 14 31 | 0 35 | 14 58 | 1 26 | 7 37 | 2 7 | 9 32 | 0 48 | 9 15 | 1 50 | 29 27 | 17 30 | 18 29 | 18 1 | 6 22 | | n.a. |
| W27 | 23 33 | 24 26 | 1 47 | 20 50 | 0 25 | 23 19 | 0 31 | 14 16 | 0 34 | 14 54 | 1 25 | 7 37 | 2 7 | 9 32 | 0 48 | 9 15 | 1 50 | 29 28 | 17 31 | 18 30 | 18 1 | 6 25 | | n.a. |
| T 28 | 23 37 | 20 55 | 0 39 | 21 15 | 0 32 | 23 30 | 0 34 | 14 2 | 0 33 | 14 51 | 1 25 | 7 36 | 2 7 | 9 32 | 0 48 | 9 16 | 1 50 | 29 28 | 17 31 | 18 31 | 18 2 | 6 28 | | n.a. |
| F 29 | 23 41 | 16 31 | 0s29 | 21 40 | 0 39 | 23 41 | 0 36 | 13 47 | 0 32 | 14 47 | 1 25 | 7 36 | 2 7 | 9 32 | 0 48 | 9 16 | 1 51 | 29 29 | 17 32 | 18 31 | 18 3 | 6 31 | | n.a. |
| S 30 | 23 45 | 11 31 | 1 35 | 22 5 | 0 46 | 23 51 | 0 38 | 13 32 | 0 31 | 14 44 | 1 25 | 7 36 | 2 6 | 9 32 | 0 48 | 9 17 | 1 51 | 29 30 | 17 32 | 18 30 | 18 4 | 6 35 | | n.a. |
| S 31 | 23s48 | 6n11 | 2s35 | 22s28 | 0s52 | 24s 1 | 0s40 | 13s17 | 0s30 | 14s40 | 1s25 | 7n36 | 2s 6 | 9n32 | 0n48 | 9s17 | 1n51 | 29n30 | 17n33 | 18s30 | 18s 5 | 6s38 | | n.a. |

Julian Day Number = 1000023.5, Delta T = 12h52m18s
Ecliptic obliquity = 23°55'24, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'15, Lahiri = -31°11'15 Julian Calendar 1 Dec. 1976 BCE == Greg. Calendar 14 Nov. 1976 BCE

The year -1975 astronomical counting style corresponds to year 1976 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## JANUARY 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 34 42 | 25♐14'56 | 20♍22 | 6♐44 | 19♐ 3 | 27♒28 | 25♒29 | 24°R 6 | 7°R51 | 28♎ 6 | 25°R52 | 8°R32 | 10♒ 0 | 6♎47 | n.a. | M 1 |
| T 2 | 5 38 39 | 26°15'28 | 2♎14 | 8°16 | 20°18 | 28° 8 | 25°39 | 24♈ 5 | 7♍51 | 28° 8 | 25♌51 | 8♒32 | 9°57 | 6°53 | n.a. | T 2 |
| W 3 | 5 42 35 | 27°15'59 | 14° 5 | 9°48 | 21°32 | 28°48 | 25°50 | 24° 4 | 7°51 | 28° 9 | 25°50 | 8°30 | 9°54 | 7° 0 | n.a. | W 3 |
| T 4 | 5 46 32 | 28°16'29 | 26° 1 | 11°21 | 22°47 | 29°28 | 26° 0 | 24° 4 | 7°50 | 28°10 | 25°50 | 8°27 | 9°51 | 7° 7 | n.a. | T 4 |
| F 5 | 5 50 28 | 29°16'57 | 8♏ 5 | 12°54 | 24° 2 | 0♓ 8 | 26°11 | 24° 3 | 7°50 | 28°12 | 25°49 | 8°22 | 9°48 | 7°13 | n.a. | F 5 |
| S 6 | 5 54 25 | 0♑17'23 | 20°22 | 14°29 | 25°17 | 0°47 | 26°22 | 24° 2 | 7°50 | 28°13 | 25°48 | 8°15 | 9°45 | 7°20 | n.a. | S 6 |
| S 7 | 5 58 21 | 1°17'48 | 2♐54 | 16° 5 | 26°32 | 1°27 | 26°33 | 24° 2 | 7°49 | 28°14 | 25°47 | 8° 9 | 9°41 | 7°27 | n.a. | S 7 |
| M 8 | 6 2 18 | 2°18'11 | 15°42 | 17°42 | 27°47 | 2° 7 | 26°43 | 24° 2 | 7°49 | 28°16 | 25°47 | 8° 2 | 9°38 | 7°34 | n.a. | M 8 |
| T 9 | 6 6 15 | 3°18'32 | 28°46 | 19°19 | 29° 2 | 2°47 | 26°55 | 24° 1 | 7°48 | 28°17 | 25°46 | 7°56 | 9°35 | 7°40 | n.a. | T 9 |
| W10 | 6 10 11 | 4°18'51 | 12♑ 6 | 20°58 | 0♑17 | 3°26 | 27° 6 | 24° 1 | 7°47 | 28°18 | 25°45 | 7°52 | 9°32 | 7°47 | n.a. | W10 |
| T 11 | 6 14 8 | 5°19'08 | 25°40 | 22°38 | 1°31 | 4° 6 | 27°17 | 24°D 1 | 7°47 | 28°19 | 25°44 | 7°50 | 9°29 | 7°54 | n.a. | T 11 |
| F 12 | 6 18 4 | 6°19'23 | 9♒25 | 24°18 | 2°46 | 4°46 | 27°28 | 24° 1 | 7°46 | 28°20 | 25°43 | 7°D49 | 9°25 | 8° 0 | n.a. | F 12 |
| S 13 | 6 22 1 | 7°19'36 | 23°19 | 26° 0 | 4° 1 | 5°26 | 27°40 | 24° 1 | 7°45 | 28°21 | 25°42 | 7°50 | 9°22 | 8° 7 | n.a. | S 13 |
| S 14 | 6 25 57 | 8°19'47 | 7♓20 | 27°42 | 5°16 | 6° 5 | 27°51 | 24° 2 | 7°44 | 28°22 | 25°41 | 7°52 | 9°19 | 8°14 | n.a. | S 14 |
| M15 | 6 29 54 | 9°19'55 | 21°26 | 29°26 | 6°30 | 6°45 | 28° 3 | 24° 2 | 7°44 | 28°24 | 25°40 | 7°53 | 9°16 | 8°20 | n.a. | M15 |
| T 16 | 6 33 50 | 10°20'01 | 5♈35 | 1♑11 | 7°45 | 7°25 | 28°15 | 24° 3 | 7°43 | 28°25 | 25°39 | 7°R54 | 9°13 | 8°27 | n.a. | T 16 |
| W17 | 6 37 47 | 11°20'05 | 19°46 | 2°56 | 9° 0 | 8° 4 | 28°26 | 24° 3 | 7°42 | 28°26 | 25°38 | 7°54 | 9°10 | 8°34 | n.a. | W17 |
| T 18 | 6 41 43 | 12°20'06 | 3♉56 | 4°43 | 10°15 | 8°44 | 28°38 | 24° 4 | 7°41 | 28°26 | 25°37 | 7°52 | 9° 6 | 8°41 | n.a. | T 18 |
| F 19 | 6 45 40 | 13°20'05 | 18° 3 | 6°31 | 11°29 | 9°24 | 28°50 | 24° 5 | 7°39 | 28°27 | 25°36 | 7°50 | 9° 3 | 8°47 | n.a. | F 19 |
| S 20 | 6 49 37 | 14°20'01 | 2♊ 5 | 8°20 | 12°44 | 10° 3 | 29° 2 | 24° 6 | 7°38 | 28°28 | 25°35 | 7°47 | 9° 0 | 8°54 | n.a. | S 20 |
| S 21 | 6 53 33 | 15°19'56 | 15°58 | 10°10 | 13°59 | 10°43 | 29°14 | 24° 7 | 7°37 | 28°29 | 25°34 | 7°43 | 8°57 | 9° 1 | n.a. | S 21 |
| M22 | 6 57 30 | 16°19'48 | 29°39 | 12° 1 | 15°13 | 11°22 | 29°27 | 24° 9 | 7°36 | 28°30 | 25°33 | 7°40 | 8°54 | 9° 7 | n.a. | M22 |
| T 23 | 7 1 26 | 17°19'37 | 13♋ 5 | 13°53 | 16°28 | 12° 2 | 29°39 | 24°10 | 7°35 | 28°31 | 25°31 | 7°38 | 8°51 | 9°14 | n.a. | T 23 |
| W24 | 7 5 23 | 18°19'25 | 26°15 | 15°46 | 17°42 | 12°42 | 29°51 | 24°11 | 7°33 | 28°31 | 25°30 | 7°36 | 8°47 | 9°21 | n.a. | W24 |
| T 25 | 7 9 19 | 19°19'11 | 9♌ 8 | 17°41 | 18°57 | 13°21 | 0♓ 4 | 24°13 | 7°32 | 28°32 | 25°29 | 7°D36 | 8°44 | 9°28 | n.a. | T 25 |
| F 26 | 7 13 16 | 20°18'54 | 21°43 | 19°36 | 20°12 | 14° 1 | 0°16 | 24°15 | 7°31 | 28°33 | 25°28 | 7°36 | 8°41 | 9°34 | n.a. | F 26 |
| S 27 | 7 17 12 | 21°18'35 | 4♍ 4 | 21°32 | 21°26 | 14°40 | 0°29 | 24°16 | 7°29 | 28°34 | 25°26 | 7°38 | 8°38 | 9°41 | n.a. | S 27 |
| S 28 | 7 21 9 | 22°18'14 | 16°11 | 23°29 | 22°41 | 15°20 | 0°41 | 24°18 | 7°28 | 28°34 | 25°25 | 7°39 | 8°35 | 9°48 | n.a. | S 28 |
| M29 | 7 25 6 | 23°17'52 | 28° 9 | 25°27 | 23°55 | 15°59 | 0°54 | 24°20 | 7°26 | 28°35 | 25°24 | 7°40 | 8°31 | 9°54 | n.a. | M29 |
| T 30 | 7 29 2 | 24°17'27 | 10♎ 2 | 27°26 | 25°10 | 16°38 | 1° 7 | 24°22 | 7°24 | 28°35 | 25°22 | 7°41 | 8°28 | 10° 1 | n.a. | T 30 |
| W31 | 7 32 59 | 25♑17'00 | 21♎55 | 29♑25 | 26♑24 | 17♓18 | 1♓19 | 24♈25 | 7♍23 | 28♎36 | 25♌21 | 7°R42 | 8♒25 | 10♎ 8 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 23 s50 | 0n43 | 3 s27 | 22 s50 | 0 s59 | 24 s 9 | 0 s42 | 13 s 3 | 0 s29 | 14 s36 | 1 s24 | 7n35 | 2 s 6 | 9n32 | 0n48 | 9 s18 | 1n51 | 29n31 | 17n33 | 18 s30 | 18 s 6 | 6 s41 | | | n.a. |
| T 2 | 23 52 | 4 s43 | 4 10 | 23 11 | 1 5 | 24 17 | 0 44 | 12 48 | 0 28 | 14 32 | 1 24 | 7 35 | 2 5 | 9 32 | 0 48 | 9 18 | 1 51 | 29 32 | 17 34 | 18 30 | 18 7 | 6 44 | | | n.a. |
| W 3 | 23 54 | 9 59 | 4 42 | 23 32 | 1 10 | 24 25 | 0 46 | 12 33 | 0 27 | 14 29 | 1 24 | 7 35 | 2 5 | 9 32 | 0 48 | 9 19 | 1 51 | 29 33 | 17 34 | 18 30 | 18 7 | 6 47 | | | n.a. |
| T 4 | 23 55 | 14 55 | 5 3 | 23 51 | 1 16 | 24 31 | 0 48 | 12 18 | 0 26 | 14 25 | 1 24 | 7 35 | 2 5 | 9 33 | 0 48 | 9 19 | 1 51 | 29 33 | 17 35 | 18 31 | 18 8 | 6 50 | | | n.a. |
| F 5 | 23 55 | 19 21 | 5 10 | 24 9 | 1 21 | 24 37 | 0 50 | 12 2 | 0 25 | 14 21 | 1 23 | 7 35 | 2 5 | 9 33 | 0 48 | 9 19 | 1 51 | 29 34 | 17 35 | 18 32 | 18 9 | 6 54 | | | n.a. |
| S 6 | 23 55 | 23 3 | 5 3 | 24 26 | 1 26 | 24 42 | 0 52 | 11 47 | 0 24 | 14 17 | 1 23 | 7 35 | 2 4 | 9 33 | 0 48 | 9 20 | 1 51 | 29 35 | 17 36 | 18 34 | 18 10 | 6 57 | | | n.a. |
| S 7 | 23 55 | 25 46 | 4 42 | 24 41 | 1 31 | 24 46 | 0 53 | 11 32 | 0 23 | 14 13 | 1 23 | 7 35 | 2 4 | 9 33 | 0 48 | 9 20 | 1 51 | 29 36 | 17 37 | 18 36 | 18 11 | 7 0 | | | n.a. |
| M 8 | 23 54 | 27 13 | 4 6 | 24 55 | 1 35 | 24 50 | 0 55 | 11 16 | 0 22 | 14 9 | 1 23 | 7 36 | 2 4 | 9 33 | 0 48 | 9 21 | 1 51 | 29 36 | 17 37 | 18 38 | 18 12 | 7 3 | | | n.a. |
| T 9 | 23 53 | 27 12 | 3 17 | 25 8 | 1 39 | 24 52 | 0 57 | 11 1 | 0 21 | 14 5 | 1 23 | 7 36 | 2 3 | 9 34 | 0 49 | 9 21 | 1 51 | 29 37 | 17 38 | 18 39 | 18 13 | 7 6 | | | n.a. |
| W10 | 23 51 | 25 37 | 2 16 | 25 19 | 1 43 | 24 54 | 0 59 | 10 45 | 0 20 | 14 1 | 1 22 | 7 36 | 2 3 | 9 34 | 0 49 | 9 22 | 1 51 | 29 38 | 17 38 | 18 40 | 18 14 | 7 9 | | | n.a. |
| T 11 | 23 49 | 22 31 | 1 6 | 25 29 | 1 46 | 24 55 | 1 0 | 10 30 | 0 19 | 13 57 | 1 22 | 7 36 | 2 3 | 9 34 | 0 49 | 9 22 | 1 51 | 29 39 | 17 38 | 18 41 | 18 14 | 7 12 | | | n.a. |
| F 12 | 23 46 | 18 7 | 0n 9 | 25 37 | 1 50 | 24 56 | 1 2 | 10 14 | 0 18 | 13 52 | 1 22 | 7 37 | 2 2 | 9 35 | 0 49 | 9 22 | 1 51 | 29 39 | 17 39 | 18 41 | 18 15 | 7 16 | | | n.a. |
| S 13 | 23 43 | 12 42 | 1 24 | 25 44 | 1 52 | 24 55 | 1 4 | 9 59 | 0 17 | 13 48 | 1 22 | 7 37 | 2 2 | 9 35 | 0 49 | 9 23 | 1 51 | 29 40 | 17 39 | 18 41 | 18 16 | 7 19 | | | n.a. |
| S 14 | 23 39 | 6 37 | 2 35 | 25 49 | 1 55 | 24 54 | 1 5 | 9 43 | 0 16 | 13 44 | 1 22 | 7 37 | 2 2 | 9 35 | 0 49 | 9 23 | 1 51 | 29 41 | 17 40 | 18 40 | 18 17 | 7 22 | | | n.a. |
| M15 | 23 35 | 0 10 | 3 36 | 25 52 | 1 56 | 24 52 | 1 7 | 9 27 | 0 16 | 13 40 | 1 21 | 7 38 | 2 2 | 9 36 | 0 49 | 9 23 | 1 51 | 29 42 | 17 40 | 18 40 | 18 18 | 7 25 | | | n.a. |
| T 16 | 23 31 | 6n18 | 4 25 | 25 53 | 1 58 | 24 49 | 1 8 | 9 11 | 0 15 | 13 35 | 1 21 | 7 38 | 2 1 | 9 36 | 0 49 | 9 24 | 1 51 | 29 43 | 17 41 | 18 40 | 18 19 | 7 28 | | | n.a. |
| W17 | 23 26 | 12 28 | 4 58 | 25 52 | 1 59 | 24 46 | 1 9 | 8 55 | 0 14 | 13 31 | 1 21 | 7 39 | 2 1 | 9 36 | 0 49 | 9 24 | 1 51 | 29 43 | 17 41 | 18 40 | 18 20 | 7 31 | | | n.a. |
| T 18 | 23 20 | 17 58 | 5 13 | 25 50 | 2 0 | 24 42 | 1 11 | 8 39 | 0 13 | 13 27 | 1 21 | 7 39 | 2 1 | 9 37 | 0 49 | 9 24 | 1 52 | 29 44 | 17 42 | 18 40 | 18 20 | 7 34 | | | n.a. |
| F 19 | 23 14 | 22 29 | 5 9 | 25 45 | 2 0 | 24 36 | 1 12 | 8 23 | 0 12 | 13 22 | 1 21 | 7 40 | 2 0 | 9 37 | 0 49 | 9 24 | 1 52 | 29 45 | 17 42 | 18 41 | 18 21 | 7 37 | | | n.a. |
| S 20 | 23 8 | 25 40 | 4 46 | 25 39 | 2 0 | 24 31 | 1 13 | 8 7 | 0 11 | 13 18 | 1 20 | 7 41 | 2 0 | 9 38 | 0 49 | 9 25 | 1 52 | 29 46 | 17 43 | 18 42 | 18 22 | 7 40 | | | n.a. |
| S 21 | 23 1 | 27 15 | 4 7 | 25 30 | 1 59 | 24 24 | 1 14 | 7 51 | 0 10 | 13 13 | 1 20 | 7 41 | 2 0 | 9 38 | 0 49 | 9 25 | 1 52 | 29 47 | 17 43 | 18 43 | 18 23 | 7 44 | | | n.a. |
| M22 | 22 54 | 27 9 | 3 14 | 25 19 | 1 58 | 24 17 | 1 15 | 7 35 | 0 10 | 13 9 | 1 20 | 7 42 | 1 59 | 9 39 | 0 49 | 9 25 | 1 52 | 29 47 | 17 43 | 18 43 | 18 24 | 7 47 | | | n.a. |
| T 23 | 22 46 | 25 26 | 2 11 | 25 6 | 1 56 | 24 9 | 1 16 | 7 19 | 0 9 | 13 4 | 1 20 | 7 43 | 1 59 | 9 39 | 0 49 | 9 25 | 1 52 | 29 48 | 17 44 | 18 44 | 18 25 | 7 50 | | | n.a. |
| W24 | 22 38 | 22 21 | 1 2 | 24 51 | 1 54 | 24 0 | 1 17 | 7 3 | 0 8 | 13 0 | 1 20 | 7 44 | 1 59 | 9 40 | 0 49 | 9 26 | 1 52 | 29 49 | 17 44 | 18 44 | 18 26 | 7 53 | | | n.a. |
| T 25 | 22 30 | 18 12 | 0 s 8 | 24 34 | 1 51 | 23 51 | 1 18 | 6 47 | 0 7 | 12 55 | 1 20 | 7 44 | 1 59 | 9 40 | 0 49 | 9 26 | 1 52 | 29 50 | 17 45 | 18 44 | 18 26 | 7 56 | | | n.a. |
| F 26 | 22 21 | 13 20 | 1 17 | 24 14 | 1 47 | 23 40 | 1 19 | 6 31 | 0 6 | 12 50 | 1 19 | 7 45 | 1 58 | 9 41 | 0 49 | 9 26 | 1 52 | 29 51 | 17 45 | 18 44 | 18 27 | 7 59 | | | n.a. |
| S 27 | 22 12 | 8 2 | 2 21 | 23 52 | 1 43 | 23 29 | 1 20 | 6 14 | 0 5 | 12 46 | 1 19 | 7 46 | 1 58 | 9 41 | 0 49 | 9 26 | 1 52 | 29 51 | 17 45 | 18 44 | 18 28 | 8 2 | | | n.a. |
| S 28 | 22 2 | 2 32 | 3 17 | 23 27 | 1 39 | 23 18 | 1 21 | 5 58 | 0 5 | 12 41 | 1 19 | 7 47 | 1 58 | 9 42 | 0 49 | 9 26 | 1 52 | 29 52 | 17 46 | 18 44 | 18 29 | 8 5 | | | n.a. |
| M29 | 21 52 | 2 s59 | 4 4 | 23 1 | 1 34 | 23 6 | 1 21 | 5 42 | 0 4 | 12 36 | 1 19 | 7 48 | 1 57 | 9 43 | 0 49 | 9 27 | 1 52 | 29 53 | 17 46 | 18 43 | 18 30 | 8 8 | | | n.a. |
| T 30 | 21 41 | 8 20 | 4 40 | 22 32 | 1 28 | 22 53 | 1 22 | 5 25 | 0 3 | 12 31 | 1 19 | 7 49 | 1 57 | 9 43 | 0 49 | 9 27 | 1 52 | 29 54 | 17 46 | 18 43 | 18 31 | 8 11 | | | n.a. |
| W31 | 21 s31 | 13 s23 | 5 s 5 | 22 s 0 | 1 s21 | 22 s39 | 1 s23 | 5 s 9 | 0 s 2 | 12 s27 | 1 s19 | 7n50 | 1 s57 | 9n44 | 0n49 | 9 s27 | 1n52 | 29n55 | 17n47 | 18 s43 | 18 s31 | 8 s14 | | | n.a. |

Julian Day Number = 1000054.5, Delta T = 12h52m16s
Ecliptic obliquity = 23°55'23, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'11, Lahiri = -31°11'11 Julian Calendar 1 Jan. 1975 BCE == Greg. Calendar 15 Dec. 1976 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## FEBRUARY 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 36 55 | 26♉16'32 | 3♏51 | 1♒25 | 27♉39 | 17♓57 | 1♓32 | 24♈27 | 7°R21 | 28♎36 | 25°R20 | 7°R42 | 8♒22 | 10♎14 | n.a. | T 1 |
| F 2 | 7 40 52 | 27°16'01 | 15°56 | 3°25 | 28°53 | 18°37 | 1°45 | 24°29 | 7♍19 | 28°37 | 25♌18 | 7♒41 | 8°19 | 10°21 | n.a. | F 2 |
| S 3 | 7 44 48 | 28°15'29 | 28°14 | 5°25 | 0♒ 8 | 19°16 | 1°58 | 24°32 | 7°18 | 28°37 | 25°17 | 7°40 | 8°16 | 10°28 | n.a. | S 3 |
| S 4 | 7 48 45 | 29°14'55 | 10♐49 | 7°25 | 1°22 | 19°55 | 2°11 | 24°35 | 7°16 | 28°38 | 25°15 | 7°39 | 8°12 | 10°35 | n.a. | S 4 |
| M 5 | 7 52 41 | 0♒14'19 | 23°43 | 9°24 | 2°37 | 20°35 | 2°24 | 24°37 | 7°14 | 28°38 | 25°14 | 7°38 | 8° 9 | 10°41 | n.a. | M 5 |
| T 6 | 7 56 38 | 1°13'40 | 6♉59 | 11°22 | 3°51 | 21°14 | 2°37 | 24°40 | 7°12 | 28°38 | 25°12 | 7°37 | 8° 6 | 10°48 | n.a. | T 6 |
| W 7 | 8 0 35 | 2°13'00 | 20°35 | 13°20 | 5° 5 | 21°53 | 2°51 | 24°43 | 7°10 | 28°39 | 25°11 | 7°37 | 8° 3 | 10°55 | n.a. | W 7 |
| T 8 | 8 4 31 | 3°12'17 | 4♒30 | 15°16 | 6°20 | 22°33 | 3° 4 | 24°46 | 7° 8 | 28°39 | 25° 9 | 7°D36 | 8° 0 | 11° 1 | n.a. | T 8 |
| F 9 | 8 8 28 | 4°11'33 | 18°42 | 17°10 | 7°34 | 23°12 | 3°17 | 24°49 | 7° 6 | 28°39 | 25° 8 | 7°36 | 7°57 | 11° 8 | n.a. | F 9 |
| S 10 | 8 12 24 | 5°10'45 | 3♓ 4 | 19° 1 | 8°49 | 23°51 | 3°31 | 24°53 | 7° 4 | 28°39 | 25° 6 | 7°37 | 7°53 | 11°15 | n.a. | S 10 |
| S 11 | 8 16 21 | 6° 9'56 | 17°33 | 20°50 | 10° 3 | 24°31 | 3°44 | 24°56 | 7° 2 | 28°39 | 25° 5 | 7°37 | 7°50 | 11°22 | n.a. | S 11 |
| M12 | 8 20 17 | 7° 9'04 | 2♈ 2 | 22°36 | 11°17 | 25°10 | 3°57 | 24°59 | 7° 0 | 28°40 | 25° 3 | 7°37 | 7°47 | 11°28 | n.a. | M12 |
| T 13 | 8 24 14 | 8° 8'09 | 16°28 | 24°18 | 12°32 | 25°49 | 4°11 | 25° 3 | 6°58 | 28°40 | 25° 2 | 7°R37 | 7°44 | 11°35 | n.a. | T 13 |
| W14 | 8 28 10 | 9° 7'12 | 0♉46 | 25°56 | 13°46 | 26°28 | 4°24 | 25° 7 | 6°56 | 28°40 | 25° 0 | 7°37 | 7°41 | 11°42 | n.a. | W14 |
| T 15 | 8 32 7 | 10° 6'13 | 14°53 | 27°30 | 15° 0 | 27° 7 | 4°38 | 25°10 | 6°54 | 28°R40 | 24°58 | 7°D37 | 7°37 | 11°48 | n.a. | T 15 |
| F 16 | 8 36 3 | 11° 5'11 | 28°48 | 29° 0 | 16°14 | 27°47 | 4°52 | 25°14 | 6°52 | 28°40 | 24°57 | 7°37 | 7°34 | 11°55 | n.a. | F 16 |
| S 17 | 8 40 0 | 12° 4'07 | 12♊29 | 0♓24 | 17°29 | 28°26 | 5° 5 | 25°18 | 6°50 | 28°40 | 24°55 | 7°37 | 7°31 | 12° 2 | n.a. | S 17 |
| S 18 | 8 43 57 | 13° 3'00 | 25°57 | 1°43 | 18°43 | 29° 5 | 5°19 | 25°22 | 6°47 | 28°40 | 24°53 | 7°38 | 7°28 | 12° 9 | n.a. | S 18 |
| M19 | 8 47 53 | 14° 1'51 | 9♋11 | 2°56 | 19°57 | 29°44 | 5°33 | 25°26 | 6°45 | 28°40 | 24°52 | 7°38 | 7°25 | 12°15 | n.a. | M19 |
| T 20 | 8 51 50 | 15° 0'39 | 22°12 | 4° 4 | 21°11 | 0♈23 | 5°46 | 25°31 | 6°43 | 28°39 | 24°50 | 7°39 | 7°22 | 12°22 | n.a. | T 20 |
| W21 | 8 55 46 | 15°59'25 | 5♌ 0 | 5° 5 | 22°25 | 1° 2 | 6° 0 | 25°35 | 6°40 | 28°39 | 24°49 | 7°R39 | 7°18 | 12°29 | n.a. | W21 |
| T 22 | 8 59 43 | 16°58'09 | 17°35 | 6° 1 | 23°39 | 1°41 | 6°14 | 25°39 | 6°38 | 28°39 | 24°47 | 7°39 | 7°15 | 12°35 | n.a. | T 22 |
| F 23 | 9 3 39 | 17°56'51 | 29°58 | 6°50 | 24°54 | 2°20 | 6°28 | 25°44 | 6°36 | 28°39 | 24°45 | 7°38 | 7°12 | 12°42 | n.a. | F 23 |
| S 24 | 9 7 36 | 18°55'30 | 12♍11 | 7°33 | 26° 8 | 2°59 | 6°42 | 25°48 | 6°33 | 28°38 | 24°44 | 7°37 | 7° 9 | 12°49 | n.a. | S 24 |
| S 25 | 9 11 32 | 19°54'08 | 24°15 | 8° 9 | 27°22 | 3°38 | 6°55 | 25°53 | 6°31 | 28°38 | 24°42 | 7°36 | 7° 6 | 12°56 | n.a. | S 25 |
| M26 | 9 15 29 | 20°52'43 | 6♎11 | 8°39 | 28°36 | 4°17 | 7° 9 | 25°58 | 6°29 | 28°38 | 24°40 | 7°34 | 7° 3 | 13° 2 | n.a. | M26 |
| T 27 | 9 19 25 | 21°51'17 | 18° 4 | 9° 2 | 29°50 | 4°56 | 7°23 | 26° 2 | 6°26 | 28°37 | 24°39 | 7°32 | 6°59 | 13° 9 | n.a. | T 27 |
| W28 | 9 23 22 | 22♒49'49 | 29♎56 | 9♓19 | 1♓ 4 | 5♈35 | 7♓37 | 26♈ 7 | 6♍24 | 28♎37 | 24♌37 | 7♒30 | 6♒56 | 13♎16 | n.a. | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s19 | 17s59 | 5s16 | 21s27 | 1s14 | 22s24 | 1s23 | 4s53 | 0s 1 | 12s22 | 1s19 | 7n52 | 1s57 | 9n45 | 0n49 | 9s27 | 1n52 | 29n55 | 17n47 | 18s43 | 18s32 | 8s18 | | n.a. |
| F 2 | 21 8 | 21 55 | 5 13 | 20 52 | 1 6 | 22 9 | 1 24 | 4 36 | 0 1 | 12 17 | 1 18 | 7 53 | 1 56 | 9 45 | 0 49 | 9 27 | 1 52 | 29 56 | 17 47 | 18 43 | 18 33 | 8 21 | | n.a. |
| S 3 | 20 56 | 24 58 | 4 56 | 20 14 | 0 58 | 21 54 | 1 24 | 4 20 | 0n 0 | 12 12 | 1 18 | 7 54 | 1 56 | 9 46 | 0 49 | 9 27 | 1 52 | 29 57 | 17 48 | 18 43 | 18 34 | 8 24 | | n.a. |
| S 4 | 20 43 | 26 53 | 4 25 | 19 35 | 0 49 | 21 37 | 1 24 | 4 3 | 0 1 | 12 7 | 1 18 | 7 55 | 1 56 | 9 47 | 0 49 | 9 27 | 1 52 | 29 58 | 17 48 | 18 44 | 18 35 | 8 27 | | n.a. |
| M 5 | 20 30 | 27 26 | 3 40 | 18 54 | 0 39 | 21 21 | 1 24 | 3 47 | 0 2 | 12 2 | 1 18 | 7 57 | 1 55 | 9 47 | 0 49 | 9 27 | 1 53 | 29 59 | 17 48 | 18 44 | 18 36 | 8 30 | | n.a. |
| T 6 | 20 17 | 26 26 | 2 42 | 18 11 | 0 29 | 21 3 | 1 25 | 3 30 | 0 2 | 11 57 | 1 18 | 7 58 | 1 55 | 9 48 | 0 49 | 9 27 | 1 53 | 29 59 | 17 48 | 18 44 | 18 37 | 8 33 | | n.a. |
| W 7 | 20 4 | 23 51 | 1 33 | 17 27 | 0 19 | 20 45 | 1 25 | 3 14 | 0 3 | 11 52 | 1 18 | 7 59 | 1 55 | 9 49 | 0 50 | 9 28 | 1 53 | 30 0 | 17 49 | 18 44 | 18 37 | 8 36 | | n.a. |
| T 8 | 19 50 | 19 48 | 0 17 | 16 42 | 0 7 | 20 26 | 1 25 | 2 57 | 0 4 | 11 47 | 1 18 | 8 1 | 1 55 | 9 50 | 0 50 | 9 28 | 1 53 | 30 1 | 17 49 | 18 44 | 18 38 | 8 39 | | n.a. |
| F 9 | 19 36 | 14 34 | 1n 1 | 15 56 | 0n 4 | 20 7 | 1 25 | 2 41 | 0 5 | 11 42 | 1 18 | 8 2 | 1 54 | 9 50 | 0 50 | 9 28 | 1 53 | 30 2 | 17 49 | 18 44 | 18 39 | 8 42 | | n.a. |
| S 10 | 19 21 | 8 28 | 2 17 | 15 10 | 0 16 | 19 47 | 1 25 | 2 24 | 0 5 | 11 37 | 1 17 | 8 4 | 1 54 | 9 51 | 0 50 | 9 28 | 1 53 | 30 3 | 17 49 | 18 44 | 18 40 | 8 45 | | n.a. |
| S 11 | 19 7 | 1 54 | 3 24 | 14 23 | 0 29 | 19 27 | 1 25 | 2 8 | 0 6 | 11 32 | 1 17 | 8 5 | 1 54 | 9 52 | 0 50 | 9 28 | 1 53 | 30 3 | 17 50 | 18 44 | 18 41 | 8 48 | | n.a. |
| M12 | 18 51 | 4n45 | 4 18 | 13 37 | 0 41 | 19 6 | 1 25 | 1 51 | 0 7 | 11 27 | 1 17 | 8 7 | 1 53 | 9 53 | 0 50 | 9 28 | 1 53 | 30 4 | 17 50 | 18 44 | 18 42 | 8 51 | | n.a. |
| T 13 | 18 36 | 11 8 | 4 56 | 12 50 | 0 54 | 18 44 | 1 24 | 1 35 | 0 7 | 11 22 | 1 17 | 8 8 | 1 53 | 9 54 | 0 50 | 9 28 | 1 53 | 30 5 | 17 50 | 18 44 | 18 42 | 8 54 | | n.a. |
| W14 | 18 20 | 16 52 | 5 15 | 12 5 | 1 7 | 18 22 | 1 24 | 1 18 | 0 8 | 11 17 | 1 17 | 8 10 | 1 53 | 9 54 | 0 50 | 9 28 | 1 53 | 30 6 | 17 50 | 18 44 | 18 43 | 8 57 | | n.a. |
| T 15 | 18 4 | 21 37 | 5 15 | 11 20 | 1 20 | 17 59 | 1 24 | 1 2 | 0 9 | 11 12 | 1 17 | 8 11 | 1 53 | 9 55 | 0 50 | 9 27 | 1 53 | 30 6 | 17 50 | 18 44 | 18 44 | 9 0 | | n.a. |
| F 16 | 17 48 | 25 6 | 4 56 | 10 37 | 1 32 | 17 36 | 1 23 | 0 45 | 0 10 | 11 6 | 1 17 | 8 13 | 1 52 | 9 56 | 0 50 | 9 27 | 1 53 | 30 7 | 17 51 | 18 44 | 18 45 | 9 3 | | n.a. |
| S 17 | 17 31 | 27 3 | 4 20 | 9 55 | 1 45 | 17 13 | 1 23 | 0 29 | 0 10 | 11 1 | 1 17 | 8 15 | 1 52 | 9 57 | 0 50 | 9 27 | 1 53 | 30 8 | 17 51 | 18 44 | 18 46 | 9 6 | | n.a. |
| S 18 | 17 14 | 27 23 | 3 31 | 9 16 | 1 57 | 16 49 | 1 22 | 0 12 | 0 11 | 10 56 | 1 17 | 8 16 | 1 52 | 9 58 | 0 50 | 9 27 | 1 53 | 30 9 | 17 51 | 18 44 | 18 47 | 9 10 | | n.a. |
| M19 | 16 57 | 26 7 | 2 31 | 8 38 | 2 9 | 16 25 | 1 21 | 0n 4 | 0 12 | 10 51 | 1 16 | 8 18 | 1 52 | 9 59 | 0 50 | 9 27 | 1 53 | 30 9 | 17 51 | 18 44 | 18 47 | 9 13 | | n.a. |
| T 20 | 16 40 | 23 26 | 1 25 | 8 3 | 2 20 | 16 0 | 1 21 | 0 21 | 0 12 | 10 45 | 1 16 | 8 20 | 1 51 | 10 0 | 0 50 | 9 27 | 1 53 | 30 10 | 17 51 | 18 44 | 18 48 | 9 16 | | n.a. |
| W21 | 16 22 | 19 38 | 0 15 | 7 30 | 2 31 | 15 35 | 1 20 | 0 37 | 0 13 | 10 40 | 1 16 | 8 22 | 1 51 | 10 1 | 0 50 | 9 27 | 1 53 | 30 11 | 17 51 | 18 44 | 18 49 | 9 19 | | n.a. |
| T 22 | 16 4 | 15 0 | 0s55 | 7 0 | 2 41 | 15 9 | 1 19 | 0 53 | 0 14 | 10 35 | 1 16 | 8 24 | 1 51 | 10 1 | 0 50 | 9 27 | 1 54 | 30 11 | 17 51 | 18 44 | 18 50 | 9 22 | | n.a. |
| F 23 | 15 46 | 9 50 | 2 0 | 6 33 | 2 51 | 14 43 | 1 18 | 1 10 | 0 14 | 10 30 | 1 16 | 8 26 | 1 51 | 10 2 | 0 50 | 9 27 | 1 54 | 30 12 | 17 52 | 18 44 | 18 51 | 9 25 | | n.a. |
| S 24 | 15 27 | 4 22 | 3 0 | 6 9 | 2 59 | 14 16 | 1 17 | 1 26 | 0 15 | 10 24 | 1 16 | 8 28 | 1 50 | 10 3 | 0 50 | 9 27 | 1 54 | 30 13 | 17 52 | 18 44 | 18 51 | 9 28 | | n.a. |
| S 25 | 15 8 | 1s11 | 3 50 | 5 48 | 3 7 | 13 50 | 1 17 | 1 43 | 0 16 | 10 19 | 1 16 | 8 29 | 1 50 | 10 4 | 0 50 | 9 26 | 1 54 | 30 14 | 17 52 | 18 45 | 18 52 | 9 31 | | n.a. |
| M26 | 14 49 | 6 37 | 4 30 | 5 31 | 3 13 | 13 22 | 1 15 | 1 59 | 0 16 | 10 14 | 1 16 | 8 31 | 1 50 | 10 5 | 0 50 | 9 26 | 1 54 | 30 14 | 17 52 | 18 45 | 18 53 | 9 34 | | n.a. |
| T 27 | 14 30 | 11 48 | 4 58 | 5 17 | 3 19 | 12 55 | 1 14 | 2 15 | 0 17 | 10 8 | 1 16 | 8 33 | 1 50 | 10 6 | 0 50 | 9 26 | 1 54 | 30 15 | 17 52 | 18 46 | 18 54 | 9 37 | | n.a. |
| W28 | 14s11 | 16s32 | 5s13 | 5s 6 | 3n24 | 12s27 | 1s13 | 2n32 | 0n17 | 10s 3 | 1s16 | 8n35 | 1s49 | 10n 7 | 0n50 | 9s26 | 1n54 | 30n16 | 17n52 | 18s46 | 18s55 | 9s40 | | n.a. |

Julian Day Number = 1000085.5, Delta T = 12h52m14s
Ecliptic obliquity = 23°55'23, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'07, Lahiri = -31°11'06 Julian Calendar 1 Feb. 1975 BCE == Greg. Calendar 15 Jan. 1975 BCE


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## MARCH 1975 BCE (-1974) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 27 18 | 23♒48'19 | 11♏52 | 9♓29 | 2♓18 | 6♈14 | 7♓51 | 26♈12 | 6°R21 | 28°R37 | 24°R35 | 7°R29 | 6♒53 | 13♎22 | n.a. | T 1 |
| F 2 | 9 31 15 | 24°46'47 | 23°56 | 9°R33 | 3°32 | 6°53 | 8° 5 | 26°17 | 6♍19 | 28♎36 | 24♌33 | 7°D28 | 6°50 | 13°29 | n.a. | F 2 |
| S 3 | 9 35 12 | 25°45'13 | 6♐12 | 9°30 | 4°46 | 7°32 | 8°19 | 26°22 | 6°16 | 28°36 | 24°32 | 7♒29 | 6°47 | 13°36 | n.a. | S 3 |
| S 4 | 9 39 8 | 26°43'38 | 18°44 | 9°22 | 6° 0 | 8°10 | 8°33 | 26°28 | 6°14 | 28°35 | 24°30 | 7°30 | 6°43 | 13°42 | n.a. | S 4 |
| M 5 | 9 43 5 | 27°42'01 | 1♑38 | 9° 9 | 7°14 | 8°49 | 8°47 | 26°33 | 6°11 | 28°35 | 24°28 | 7°31 | 6°40 | 13°49 | n.a. | M 5 |
| T 6 | 9 47 1 | 28°40'23 | 14°55 | 8°50 | 8°28 | 9°28 | 9° 2 | 26°38 | 6° 9 | 28°34 | 24°27 | 7°32 | 6°37 | 13°56 | n.a. | T 6 |
| W 7 | 9 50 58 | 29°38'42 | 28°38 | 8°26 | 9°42 | 10° 7 | 9°16 | 26°44 | 6° 6 | 28°33 | 24°25 | 7°33 | 6°34 | 14° 3 | n.a. | W 7 |
| T 8 | 9 54 54 | 0♓37'00 | 12♒45 | 7°58 | 10°55 | 10°46 | 9°30 | 26°49 | 6° 4 | 28°33 | 24°23 | 7°R34 | 6°31 | 14° 9 | n.a. | T 8 |
| F 9 | 9 58 51 | 1°35'15 | 27°14 | 7°26 | 12° 9 | 11°25 | 9°44 | 26°55 | 6° 1 | 28°32 | 24°22 | 7°33 | 6°28 | 14°16 | n.a. | F 9 |
| S 10 | 10 2 47 | 2°33'29 | 12♓ 0 | 6°51 | 13°23 | 12° 3 | 9°58 | 27° 0 | 5°59 | 28°31 | 24°20 | 7°30 | 6°24 | 14°23 | n.a. | S 10 |
| S 11 | 10 6 44 | 3°31'41 | 26°55 | 6°13 | 14°37 | 12°42 | 10°12 | 27° 6 | 5°56 | 28°31 | 24°18 | 7°27 | 6°21 | 14°29 | n.a. | S 11 |
| M12 | 10 10 41 | 4°29'50 | 11♈51 | 5°34 | 15°51 | 13°21 | 10°26 | 27°12 | 5°53 | 28°30 | 24°17 | 7°24 | 6°18 | 14°36 | n.a. | M12 |
| T 13 | 10 14 37 | 5°27'58 | 26°39 | 4°54 | 17° 5 | 14° 0 | 10°40 | 27°18 | 5°51 | 28°29 | 24°15 | 7°20 | 6°15 | 14°43 | n.a. | T 13 |
| W14 | 10 18 34 | 6°26'03 | 11♉13 | 4°13 | 18°18 | 14°38 | 10°55 | 27°24 | 5°48 | 28°28 | 24°13 | 7°17 | 6°12 | 14°50 | n.a. | W14 |
| T 15 | 10 22 30 | 7°24'07 | 25°28 | 3°33 | 19°32 | 15°17 | 11° 9 | 27°30 | 5°46 | 28°28 | 24°12 | 7°15 | 6° 9 | 14°56 | n.a. | T 15 |
| F 16 | 10 26 27 | 8°22'08 | 9♊22 | 2°54 | 20°46 | 15°56 | 11°23 | 27°36 | 5°43 | 28°27 | 24°10 | 7°D15 | 6° 5 | 15° 3 | n.a. | F 16 |
| S 17 | 10 30 23 | 9°20'07 | 22°56 | 2°17 | 22° 0 | 16°34 | 11°37 | 27°42 | 5°41 | 28°26 | 24° 9 | 7°15 | 6° 2 | 15°10 | n.a. | S 17 |
| S 18 | 10 34 20 | 10°18'05 | 6♋ 9 | 1°43 | 23°13 | 17°13 | 11°51 | 27°48 | 5°38 | 28°25 | 24° 7 | 7°17 | 5°59 | 15°16 | n.a. | S 18 |
| M19 | 10 38 16 | 11°16'00 | 19° 6 | 1°11 | 24°27 | 17°52 | 12° 5 | 27°54 | 5°36 | 28°24 | 24° 5 | 7°18 | 5°56 | 15°23 | n.a. | M19 |
| T 20 | 10 42 13 | 12°13'53 | 1♌47 | 0°43 | 25°41 | 18°30 | 12°20 | 28° 1 | 5°33 | 28°23 | 24° 4 | 7°R19 | 5°53 | 15°30 | n.a. | T 20 |
| W21 | 10 46 9 | 13°11'44 | 14°16 | 0°18 | 26°54 | 19° 9 | 12°34 | 28° 7 | 5°31 | 28°22 | 24° 2 | 7°19 | 5°49 | 15°37 | n.a. | W21 |
| T 22 | 10 50 6 | 14° 9'34 | 26°34 | 29♒57 | 28° 8 | 19°47 | 12°48 | 28°13 | 5°28 | 28°21 | 24° 1 | 7°17 | 5°46 | 15°43 | n.a. | T 22 |
| F 23 | 10 54 3 | 15° 7'21 | 8♍44 | 29°41 | 29°21 | 20°26 | 13° 2 | 28°20 | 5°26 | 28°20 | 23°59 | 7°14 | 5°43 | 15°50 | n.a. | F 23 |
| S 24 | 10 57 59 | 16° 5'07 | 20°47 | 29°30 | 0♈35 | 21° 4 | 13°16 | 28°26 | 5°23 | 28°19 | 23°58 | 7° 9 | 5°40 | 15°57 | n.a. | S 24 |
| S 25 | 11 1 56 | 17° 2'51 | 2♎45 | 29°23 | 1°49 | 21°43 | 13°30 | 28°33 | 5°21 | 28°18 | 23°56 | 7° 2 | 5°37 | 16° 4 | n.a. | S 25 |
| M26 | 11 5 52 | 18° 0'34 | 14°39 | 29°D20 | 3° 2 | 22°21 | 13°45 | 28°39 | 5°18 | 28°17 | 23°55 | 6°54 | 5°34 | 16°10 | n.a. | M26 |
| T 27 | 11 9 49 | 18°58'15 | 26°31 | 29°22 | 4°16 | 23° 0 | 13°59 | 28°46 | 5°16 | 28°15 | 23°53 | 6°47 | 5°30 | 16°17 | n.a. | T 27 |
| W28 | 11 13 45 | 19°55'55 | 8♏24 | 29°29 | 5°29 | 23°38 | 14°13 | 28°53 | 5°13 | 28°14 | 23°52 | 6°40 | 5°27 | 16°24 | n.a. | W28 |
| T 29 | 11 17 42 | 20°53'34 | 20°20 | 29°41 | 6°42 | 24°17 | 14°27 | 29° 0 | 5°11 | 28°13 | 23°50 | 6°34 | 5°24 | 16°30 | n.a. | T 29 |
| F 30 | 11 21 38 | 21°51'11 | 2♐23 | 29°57 | 7°56 | 24°55 | 14°41 | 29° 6 | 5° 8 | 28°12 | 23°49 | 6°30 | 5°21 | 16°37 | n.a. | F 30 |
| S 31 | 11 25 35 | 22♓48'48 | 14♐37 | 0♓18 | 9♈ 9 | 25♈34 | 14♓55 | 29♈13 | 5♍ 6 | 28♎11 | 23♌47 | 6♒28 | 5♒18 | 16♎44 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 13 s51 | 20 s41 | 5 s15 | 4 s59 | 3n27 | 11 s59 | 1 s12 | 2n48 | 0n18 | 9 s57 | 1 s16 | 8n37 | 1 s49 | 10n 8 | 0n50 | 9 s26 | 1n54 | 30n16 | 17n52 | 18 s46 | 18 s56 | 9 s43 | | | n.a. |
| F 2 | 13 31 | 24 1 | 5 3 | 4 56 | 3 29 | 11 31 | 1 11 | 3 4 | 0 19 | 9 52 | 1 16 | 8 40 | 1 49 | 10 9 | 0 50 | 9 25 | 1 54 | 30 17 | 17 52 | 18 46 | 18 56 | 9 46 | | | n.a. |
| S 3 | 13 11 | 26 19 | 4 37 | 4 56 | 3 29 | 11 2 | 1 9 | 3 20 | 0 19 | 9 47 | 1 15 | 8 42 | 1 49 | 10 10 | 0 50 | 9 25 | 1 54 | 30 17 | 17 52 | 18 46 | 18 57 | 9 49 | | | n.a. |
| S 4 | 12 51 | 27 23 | 3 58 | 5 0 | 3 29 | 10 33 | 1 8 | 3 37 | 0 20 | 9 41 | 1 15 | 8 44 | 1 48 | 10 11 | 0 50 | 9 25 | 1 54 | 30 18 | 17 52 | 18 46 | 18 58 | 9 52 | | | n.a. |
| M 5 | 12 31 | 27 0 | 3 5 | 5 7 | 3 26 | 10 3 | 1 7 | 3 53 | 0 20 | 9 36 | 1 15 | 8 46 | 1 48 | 10 12 | 0 50 | 9 25 | 1 54 | 30 19 | 17 52 | 18 46 | 18 59 | 9 55 | | | n.a. |
| T 6 | 12 10 | 25 5 | 2 2 | 5 18 | 3 22 | 9 34 | 1 5 | 4 9 | 0 21 | 9 30 | 1 15 | 8 48 | 1 48 | 10 13 | 0 50 | 9 24 | 1 54 | 30 19 | 17 52 | 18 45 | 19 0 | 9 58 | | | n.a. |
| W 7 | 11 50 | 21 39 | 0 49 | 5 32 | 3 17 | 9 4 | 1 4 | 4 25 | 0 22 | 9 25 | 1 15 | 8 50 | 1 48 | 10 14 | 0 50 | 9 24 | 1 54 | 30 20 | 17 52 | 18 45 | 19 0 | 10 1 | | | n.a. |
| T 8 | 11 29 | 16 52 | 0n29 | 5 49 | 3 11 | 8 34 | 1 2 | 4 41 | 0 22 | 9 19 | 1 15 | 8 53 | 1 47 | 10 15 | 0 50 | 9 24 | 1 54 | 30 20 | 17 52 | 18 45 | 19 1 | 10 4 | | | n.a. |
| F 9 | 11 7 | 11 1 | 1 46 | 6 8 | 3 2 | 8 4 | 1 0 | 4 57 | 0 23 | 9 14 | 1 15 | 8 55 | 1 47 | 10 15 | 0 50 | 9 24 | 1 54 | 30 21 | 17 52 | 18 45 | 19 2 | 10 7 | | | n.a. |
| S 10 | 10 46 | 4 28 | 2 58 | 6 30 | 2 53 | 7 33 | 0 59 | 5 13 | 0 23 | 9 8 | 1 15 | 8 57 | 1 47 | 10 16 | 0 50 | 9 23 | 1 54 | 30 21 | 17 52 | 18 46 | 19 3 | 10 10 | | | n.a. |
| S 11 | 10 25 | 2n23 | 3 58 | 6 55 | 2 42 | 7 3 | 0 57 | 5 29 | 0 24 | 9 3 | 1 15 | 8 59 | 1 47 | 10 17 | 0 50 | 9 23 | 1 54 | 30 22 | 17 52 | 18 47 | 19 4 | 10 13 | | | n.a. |
| M12 | 10 3 | 9 6 | 4 43 | 7 20 | 2 30 | 6 32 | 0 55 | 5 45 | 0 25 | 8 57 | 1 15 | 9 2 | 1 47 | 10 18 | 0 50 | 9 23 | 1 54 | 30 23 | 17 52 | 18 48 | 19 5 | 10 16 | | | n.a. |
| T 13 | 9 42 | 15 14 | 5 8 | 7 47 | 2 17 | 6 1 | 0 53 | 6 1 | 0 25 | 8 52 | 1 15 | 9 4 | 1 46 | 10 19 | 0 50 | 9 22 | 1 54 | 30 23 | 17 51 | 18 49 | 19 5 | 10 19 | | | n.a. |
| W14 | 9 20 | 20 26 | 5 12 | 8 15 | 2 3 | 5 30 | 0 51 | 6 17 | 0 26 | 8 46 | 1 15 | 9 6 | 1 46 | 10 20 | 0 50 | 9 22 | 1 55 | 30 24 | 17 51 | 18 49 | 19 6 | 10 21 | | | n.a. |
| T 15 | 8 58 | 24 19 | 4 57 | 8 44 | 1 48 | 4 59 | 0 49 | 6 32 | 0 26 | 8 41 | 1 15 | 9 9 | 1 46 | 10 21 | 0 50 | 9 22 | 1 55 | 30 24 | 17 51 | 18 50 | 19 7 | 10 24 | | | n.a. |
| F 16 | 8 36 | 26 40 | 4 25 | 9 13 | 1 32 | 4 27 | 0 48 | 6 48 | 0 27 | 8 35 | 1 15 | 9 11 | 1 46 | 10 22 | 0 50 | 9 21 | 1 55 | 30 25 | 17 51 | 18 50 | 19 8 | 10 27 | | | n.a. |
| S 17 | 8 14 | 27 22 | 3 39 | 9 41 | 1 16 | 3 56 | 0 46 | 7 4 | 0 27 | 8 30 | 1 15 | 9 14 | 1 46 | 10 23 | 0 50 | 9 21 | 1 55 | 30 25 | 17 51 | 18 50 | 19 9 | 10 30 | | | n.a. |
| S 18 | 7 51 | 26 28 | 2 42 | 10 9 | 1 0 | 3 24 | 0 43 | 7 19 | 0 28 | 8 24 | 1 15 | 9 16 | 1 45 | 10 24 | 0 50 | 9 21 | 1 55 | 30 25 | 17 51 | 18 49 | 19 9 | 10 33 | | | n.a. |
| M19 | 7 29 | 24 9 | 1 38 | 10 36 | 0 43 | 2 53 | 0 41 | 7 35 | 0 28 | 8 19 | 1 15 | 9 18 | 1 45 | 10 25 | 0 50 | 9 20 | 1 55 | 30 26 | 17 51 | 18 49 | 19 10 | 10 36 | | | n.a. |
| T 20 | 7 7 | 20 39 | 0 30 | 11 1 | 0 27 | 2 21 | 0 39 | 7 50 | 0 29 | 8 13 | 1 15 | 9 21 | 1 45 | 10 26 | 0 50 | 9 20 | 1 55 | 30 26 | 17 50 | 18 49 | 19 11 | 10 39 | | | n.a. |
| W21 | 6 44 | 16 17 | 0 s38 | 11 25 | 0 11 | 1 49 | 0 37 | 8 6 | 0 30 | 8 7 | 1 15 | 9 23 | 1 45 | 10 27 | 0 50 | 9 19 | 1 55 | 30 27 | 17 50 | 18 49 | 19 12 | 10 42 | | | n.a. |
| T 22 | 6 21 | 11 18 | 1 43 | 11 48 | 0 s 5 | 1 17 | 0 35 | 8 21 | 0 30 | 8 2 | 1 15 | 9 26 | 1 45 | 10 28 | 0 50 | 9 19 | 1 55 | 30 27 | 17 50 | 18 49 | 19 13 | 10 45 | | | n.a. |
| F 23 | 5 59 | 5 57 | 2 42 | 12 8 | 0 21 | 0 46 | 0 33 | 8 36 | 0 31 | 7 56 | 1 15 | 9 28 | 1 44 | 10 29 | 0 50 | 9 19 | 1 55 | 30 27 | 17 50 | 18 50 | 19 13 | 10 48 | | | n.a. |
| S 24 | 5 36 | 0 27 | 3 34 | 12 26 | 0 36 | 0 14 | 0 30 | 8 52 | 0 31 | 7 51 | 1 15 | 9 31 | 1 44 | 10 30 | 0 50 | 9 18 | 1 55 | 30 28 | 17 50 | 18 52 | 19 14 | 10 51 | | | n.a. |
| S 25 | 5 13 | 5 s 0 | 4 16 | 12 42 | 0 50 | 0n18 | 0 28 | 9 7 | 0 32 | 7 45 | 1 15 | 9 33 | 1 44 | 10 31 | 0 50 | 9 18 | 1 55 | 30 28 | 17 49 | 18 53 | 19 15 | 10 54 | | | n.a. |
| M26 | 4 50 | 10 16 | 4 46 | 12 56 | 1 4 | 0 50 | 0 26 | 9 22 | 0 32 | 7 40 | 1 15 | 9 36 | 1 44 | 10 32 | 0 50 | 9 17 | 1 55 | 30 28 | 17 49 | 18 55 | 19 16 | 10 57 | | | n.a. |
| T 27 | 4 27 | 15 8 | 5 4 | 13 8 | 1 17 | 1 22 | 0 23 | 9 37 | 0 33 | 7 34 | 1 15 | 9 39 | 1 44 | 10 32 | 0 50 | 9 17 | 1 55 | 30 29 | 17 49 | 18 57 | 19 17 | 11 0 | | | n.a. |
| W28 | 4 4 | 19 26 | 5 8 | 13 17 | 1 30 | 1 54 | 0 21 | 9 52 | 0 33 | 7 28 | 1 14 | 9 41 | 1 43 | 10 33 | 0 50 | 9 16 | 1 55 | 30 29 | 17 49 | 18 59 | 19 17 | 11 3 | | | n.a. |
| T 29 | 3 41 | 22 59 | 5 0 | 13 23 | 1 42 | 2 26 | 0 19 | 10 7 | 0 34 | 7 23 | 1 14 | 9 44 | 1 43 | 10 34 | 0 50 | 9 16 | 1 55 | 30 29 | 17 48 | 19 0 | 19 18 | 11 6 | | | n.a. |
| F 30 | 3 18 | 25 35 | 4 38 | 13 28 | 1 52 | 2 58 | 0 16 | 10 22 | 0 34 | 7 17 | 1 14 | 9 46 | 1 43 | 10 35 | 0 50 | 9 16 | 1 55 | 30 30 | 17 48 | 19 1 | 19 19 | 11 8 | | | n.a. |
| S 31 | 2 s54 | 27 s 2 | 4 s 3 | 13 s30 | 2 s 2 | 3n29 | 0 s14 | 10n37 | 0n35 | 7 s12 | 1 s14 | 9n49 | 1 s43 | 10n36 | 0n50 | 9 s15 | 1n55 | 30n30 | 17n48 | 19 s 2 | 19 s20 | 11 s11 | | | n.a. |

Julian Day Number = 1000113.5, Delta T = 12h52m12s
Ecliptic obliquity = 23°55'24, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°18'03, Lahiri = -31°11'03 Julian Calendar 1 March 1975 BCE == Greg. Calendar 12 Feb. 1975 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## APRIL 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 29 31 | 23♓46'23 | 27♐ 6 | 0♓43 | 10♈23 | 26♈12 | 15♓ 9 | 29♈20 | 5°R 4 | 28°R 9 | 23°R46 | 6°D28 | 5♒14 | 16♎51 | n.a. | S 1 |
| M 2 | 11 33 28 | 24°43'57 | 9♑55 | 1°12 | 11°36 | 26°51 | 15°23 | 29°27 | 5♍ 1 | 28♎ 8 | 23♌44 | 6♒29 | 5°11 | 16°57 | n.a. | M 2 |
| T 3 | 11 37 25 | 25°41'30 | 23° 7 | 1°46 | 12°49 | 27°29 | 15°37 | 29°34 | 4°59 | 28° 7 | 23°43 | 6°30 | 5° 8 | 17° 4 | n.a. | T 3 |
| W 4 | 11 41 21 | 26°39'01 | 6♒47 | 2°23 | 14° 3 | 28° 7 | 15°51 | 29°41 | 4°57 | 28° 6 | 23°42 | 6°R30 | 5° 5 | 17°11 | n.a. | W 4 |
| T 5 | 11 45 18 | 27°36'32 | 20°54 | 3° 4 | 15°16 | 28°46 | 16° 6 | 29°48 | 4°54 | 28° 4 | 23°40 | 6°30 | 5° 2 | 17°17 | n.a. | T 5 |
| F 6 | 11 49 14 | 28°34'01 | 5♓28 | 3°49 | 16°29 | 29°24 | 16°20 | 29°55 | 4°52 | 28° 3 | 23°39 | 6°27 | 4°59 | 17°24 | n.a. | F 6 |
| S 7 | 11 53 11 | 29°31'30 | 20°25 | 4°38 | 17°43 | 0♉ 3 | 16°33 | 0♉ 3 | 4°50 | 28° 2 | 23°38 | 6°22 | 4°55 | 17°31 | n.a. | S 7 |
| S 8 | 11 57 7 | 0♈28'57 | 5♈35 | 5°30 | 18°56 | 0°41 | 16°47 | 0°10 | 4°47 | 28° 0 | 23°36 | 6°15 | 4°52 | 17°38 | n.a. | S 8 |
| M 9 | 12 1 4 | 1°26'23 | 20°49 | 6°25 | 20° 9 | 1°19 | 17° 1 | 0°17 | 4°45 | 27°59 | 23°35 | 6° 7 | 4°49 | 17°44 | n.a. | M 9 |
| T 10 | 12 5 0 | 2°23'47 | 5♉57 | 7°24 | 21°22 | 1°58 | 17°15 | 0°24 | 4°43 | 27°57 | 23°34 | 5°58 | 4°46 | 17°51 | n.a. | T 10 |
| W11 | 12 8 57 | 3°21'11 | 20°48 | 8°26 | 22°36 | 2°36 | 17°29 | 0°32 | 4°41 | 27°56 | 23°33 | 5°51 | 4°43 | 17°58 | n.a. | W11 |
| T 12 | 12 12 54 | 4°18'33 | 5♊17 | 9°31 | 23°49 | 3°14 | 17°43 | 0°39 | 4°39 | 27°55 | 23°32 | 5°46 | 4°40 | 18° 4 | n.a. | T 12 |
| F 13 | 12 16 50 | 5°15'53 | 19°18 | 10°39 | 25° 2 | 3°53 | 17°57 | 0°47 | 4°37 | 27°53 | 23°30 | 5°43 | 4°36 | 18°11 | n.a. | F 13 |
| S 14 | 12 20 47 | 6°13'13 | 2♋53 | 11°50 | 26°15 | 4°31 | 18°11 | 0°54 | 4°35 | 27°52 | 23°29 | 5°D42 | 4°33 | 18°18 | n.a. | S 14 |
| S 15 | 12 24 43 | 7°10'31 | 16° 3 | 13° 4 | 27°28 | 5° 9 | 18°24 | 1° 1 | 4°33 | 27°50 | 23°28 | 5°42 | 4°30 | 18°25 | n.a. | S 15 |
| M16 | 12 28 40 | 8° 7'47 | 28°52 | 14°20 | 28°41 | 5°47 | 18°38 | 1° 9 | 4°31 | 27°49 | 23°27 | 5°43 | 4°27 | 18°31 | n.a. | M16 |
| T 17 | 12 32 36 | 9° 5'03 | 11♌22 | 15°40 | 29°54 | 6°26 | 18°52 | 1°16 | 4°29 | 27°47 | 23°26 | 5°R43 | 4°24 | 18°38 | n.a. | T 17 |
| W18 | 12 36 33 | 10° 2'17 | 23°39 | 17° 2 | 1♉ 7 | 7° 4 | 19° 6 | 1°24 | 4°27 | 27°46 | 23°25 | 5°41 | 4°20 | 18°45 | n.a. | W18 |
| T 19 | 12 40 30 | 10°59'30 | 5♍46 | 18°27 | 2°20 | 7°42 | 19°19 | 1°32 | 4°25 | 27°44 | 23°24 | 5°37 | 4°17 | 18°51 | n.a. | T 19 |
| F 20 | 12 44 26 | 11°56'42 | 17°47 | 19°55 | 3°33 | 8°20 | 19°33 | 1°39 | 4°23 | 27°43 | 23°23 | 5°31 | 4°14 | 18°58 | n.a. | F 20 |
| S 21 | 12 48 23 | 12°53'53 | 29°42 | 21°25 | 4°46 | 8°58 | 19°46 | 1°47 | 4°21 | 27°41 | 23°22 | 5°22 | 4°11 | 19° 5 | n.a. | S 21 |
| S 22 | 12 52 19 | 13°51'03 | 11♎36 | 22°58 | 5°59 | 9°37 | 20° 0 | 1°54 | 4°20 | 27°40 | 23°21 | 5°11 | 4° 8 | 19°12 | n.a. | S 22 |
| M23 | 12 56 16 | 14°48'12 | 23°28 | 24°34 | 7°12 | 10°15 | 20°13 | 2° 2 | 4°18 | 27°38 | 23°20 | 4°58 | 4° 5 | 19°18 | n.a. | M23 |
| T 24 | 13 0 12 | 15°45'21 | 5♏21 | 26°12 | 8°25 | 10°53 | 20°27 | 2°10 | 4°16 | 27°36 | 23°19 | 4°46 | 4° 1 | 19°25 | n.a. | T 24 |
| W25 | 13 4 9 | 16°42'29 | 17°16 | 27°53 | 9°38 | 11°31 | 20°40 | 2°17 | 4°14 | 27°35 | 23°19 | 4°34 | 3°58 | 19°32 | n.a. | W25 |
| T 26 | 13 8 5 | 17°39'37 | 29°16 | 29°36 | 10°50 | 12° 9 | 20°53 | 2°25 | 4°13 | 27°33 | 23°18 | 4°24 | 3°55 | 19°38 | n.a. | T 26 |
| F 27 | 13 12 2 | 18°36'44 | 11♐22 | 1♈22 | 12° 3 | 12°47 | 21° 7 | 2°33 | 4°11 | 27°32 | 23°17 | 4°16 | 3°52 | 19°45 | n.a. | F 27 |
| S 28 | 13 15 59 | 19°33'51 | 23°37 | 3°11 | 13°16 | 13°26 | 21°20 | 2°41 | 4°10 | 27°30 | 23°16 | 4°11 | 3°49 | 19°52 | n.a. | S 28 |
| S 29 | 13 19 55 | 20°30'58 | 6♑ 6 | 5° 2 | 14°29 | 14° 4 | 21°33 | 2°48 | 4° 8 | 27°28 | 23°16 | 4° 9 | 3°45 | 19°59 | n.a. | S 29 |
| M30 | 13 23 52 | 21♈28'04 | 18♑52 | 6♈55 | 15♉41 | 14♉42 | 21♓46 | 2♉56 | 4♍ 7 | 27♎27 | 23♌15 | 4°D 8 | 3♒42 | 20♎ 5 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s31 | 27s10 | 3s16 | 13s29 | 2s12 | 4n 1 | 0s11 | 10n51 | 0n35 | 7s 6 | 1s14 | 9n52 | 1s43 | 10n37 | 0n50 | 9s15 | 1n55 | 30n30 | 17n48 | 19s 2 | 19s20 | 11s14 | | n.a. |
| M 2 | 2 8 | 25 51 | 2 18 | 13 26 | 2 20 | 4 32 | 0 9 | 11 6 | 0 36 | 7 1 | 1 14 | 9 54 | 1 43 | 10 38 | 0 50 | 9 14 | 1 55 | 30 30 | 17 47 | 19 2 | 19 21 | 11 17 | | n.a. |
| T 3 | 1 45 | 23 4 | 1 12 | 13 21 | 2 28 | 5 4 | 0 6 | 11 21 | 0 36 | 6 55 | 1 14 | 9 57 | 1 42 | 10 39 | 0 50 | 9 14 | 1 55 | 30 31 | 17 47 | 19 1 | 19 22 | 11 20 | | n.a. |
| W 4 | 1 21 | 18 56 | 0n 1 | 13 14 | 2 34 | 5 35 | 0 4 | 11 35 | 0 37 | 6 50 | 1 14 | 10 0 | 1 42 | 10 39 | 0 50 | 9 13 | 1 55 | 30 31 | 17 47 | 19 1 | 19 23 | 11 23 | | n.a. |
| T 5 | 0 58 | 13 36 | 1 17 | 13 4 | 2 40 | 6 7 | 0 1 | 11 50 | 0 37 | 6 44 | 1 14 | 10 2 | 1 42 | 10 40 | 0 50 | 9 13 | 1 55 | 30 31 | 17 46 | 19 2 | 19 24 | 11 26 | | n.a. |
| F 6 | 0 35 | 7 23 | 2 29 | 12 52 | 2 45 | 6 38 | 0n 1 | 12 4 | 0 37 | 6 38 | 1 15 | 10 5 | 1 42 | 10 41 | 0 50 | 9 12 | 1 55 | 30 31 | 17 46 | 19 2 | 19 24 | 11 29 | | n.a. |
| S 7 | 0 12 | 0 37 | 3 33 | 12 38 | 2 50 | 7 9 | 0 4 | 12 18 | 0 38 | 6 33 | 1 15 | 10 8 | 1 42 | 10 42 | 0 50 | 9 12 | 1 55 | 30 31 | 17 46 | 19 4 | 19 25 | 11 32 | | n.a. |
| S 8 | 0n12 | 6n16 | 4 23 | 12 21 | 2 53 | 7 39 | 0 6 | 12 32 | 0 38 | 6 27 | 1 15 | 10 11 | 1 42 | 10 43 | 0 50 | 9 11 | 1 55 | 30 31 | 17 45 | 19 5 | 19 26 | 11 35 | | n.a. |
| M 9 | 0 35 | 12 49 | 4 54 | 12 3 | 2 56 | 8 10 | 0 9 | 12 46 | 0 39 | 6 22 | 1 15 | 10 13 | 1 41 | 10 44 | 0 50 | 9 11 | 1 55 | 30 32 | 17 45 | 19 7 | 19 27 | 11 37 | | n.a. |
| T 10 | 0 58 | 18 33 | 5 5 | 11 42 | 2 58 | 8 40 | 0 11 | 13 0 | 0 39 | 6 16 | 1 15 | 10 16 | 1 41 | 10 44 | 0 50 | 9 10 | 1 55 | 30 32 | 17 45 | 19 9 | 19 28 | 11 40 | | n.a. |
| W11 | 1 22 | 23 3 | 4 55 | 11 20 | 2 59 | 9 11 | 0 14 | 13 14 | 0 40 | 6 11 | 1 15 | 10 19 | 1 41 | 10 45 | 0 50 | 9 9 | 1 56 | 30 32 | 17 44 | 19 11 | 19 28 | 11 43 | | n.a. |
| T 12 | 1 45 | 25 58 | 4 26 | 10 55 | 2 59 | 9 41 | 0 17 | 13 28 | 0 40 | 6 5 | 1 15 | 10 21 | 1 41 | 10 46 | 0 50 | 9 9 | 1 56 | 30 32 | 17 44 | 19 13 | 19 29 | 11 46 | | n.a. |
| F 13 | 2 8 | 27 10 | 3 42 | 10 29 | 2 59 | 10 11 | 0 19 | 13 42 | 0 41 | 6 0 | 1 15 | 10 24 | 1 41 | 10 47 | 0 50 | 9 8 | 1 56 | 30 32 | 17 44 | 19 13 | 19 30 | 11 49 | | n.a. |
| S 14 | 2 31 | 26 39 | 2 46 | 10 0 | 2 58 | 10 40 | 0 22 | 13 56 | 0 41 | 5 54 | 1 15 | 10 27 | 1 41 | 10 47 | 0 49 | 9 8 | 1 56 | 30 32 | 17 43 | 19 14 | 19 31 | 11 52 | | n.a. |
| S 15 | 2 54 | 24 38 | 1 43 | 9 30 | 2 57 | 11 9 | 0 24 | 14 9 | 0 41 | 5 49 | 1 15 | 10 30 | 1 41 | 10 48 | 0 49 | 9 7 | 1 56 | 30 32 | 17 43 | 19 14 | 19 31 | 11 55 | | n.a. |
| M16 | 3 17 | 21 24 | 0 37 | 8 57 | 2 54 | 11 38 | 0 27 | 14 22 | 0 42 | 5 44 | 1 15 | 10 32 | 1 40 | 10 49 | 0 49 | 9 7 | 1 56 | 30 32 | 17 42 | 19 13 | 19 32 | 11 57 | | n.a. |
| T 17 | 3 40 | 17 14 | 0s30 | 8 23 | 2 51 | 12 7 | 0 29 | 14 36 | 0 42 | 5 38 | 1 15 | 10 35 | 1 40 | 10 50 | 0 49 | 9 6 | 1 56 | 30 32 | 17 42 | 19 13 | 19 33 | 12 0 | | n.a. |
| W18 | 4 3 | 12 26 | 1 34 | 7 47 | 2 48 | 12 36 | 0 32 | 14 49 | 0 43 | 5 33 | 1 15 | 10 38 | 1 40 | 10 50 | 0 49 | 9 6 | 1 56 | 30 32 | 17 42 | 19 14 | 19 34 | 12 3 | | n.a. |
| T 19 | 4 26 | 7 13 | 2 33 | 7 10 | 2 44 | 13 4 | 0 34 | 15 2 | 0 43 | 5 27 | 1 15 | 10 41 | 1 40 | 10 51 | 0 49 | 9 5 | 1 56 | 30 32 | 17 41 | 19 15 | 19 35 | 12 6 | | n.a. |
| F 20 | 4 49 | 1 48 | 3 24 | 6 30 | 2 39 | 13 32 | 0 37 | 15 15 | 0 44 | 5 22 | 1 15 | 10 44 | 1 40 | 10 52 | 0 49 | 9 4 | 1 56 | 30 32 | 17 41 | 19 16 | 19 35 | 12 9 | | n.a. |
| S 21 | 5 12 | 3s37 | 4 6 | 5 49 | 2 33 | 13 59 | 0 40 | 15 28 | 0 44 | 5 16 | 1 15 | 10 46 | 1 40 | 10 52 | 0 49 | 9 4 | 1 56 | 30 32 | 17 40 | 19 19 | 19 36 | 12 12 | | n.a. |
| S 22 | 5 34 | 8 54 | 4 36 | 5 6 | 2 27 | 14 27 | 0 42 | 15 41 | 0 44 | 5 11 | 1 15 | 10 49 | 1 40 | 10 53 | 0 49 | 9 3 | 1 56 | 30 32 | 17 40 | 19 21 | 19 37 | 12 15 | | n.a. |
| M23 | 5 57 | 13 51 | 4 55 | 4 21 | 2 21 | 14 53 | 0 44 | 15 54 | 0 45 | 5 6 | 1 15 | 10 52 | 1 40 | 10 53 | 0 49 | 9 3 | 1 56 | 30 32 | 17 39 | 19 24 | 19 38 | 12 17 | | n.a. |
| T 24 | 6 19 | 18 17 | 5 1 | 3 35 | 2 14 | 15 20 | 0 47 | 16 6 | 0 45 | 5 0 | 1 15 | 10 55 | 1 39 | 10 54 | 0 49 | 9 2 | 1 56 | 30 32 | 17 39 | 19 28 | 19 38 | 12 20 | | n.a. |
| W25 | 6 42 | 22 1 | 4 54 | 2 47 | 2 6 | 15 46 | 0 49 | 16 19 | 0 46 | 4 55 | 1 15 | 10 58 | 1 39 | 10 55 | 0 49 | 9 2 | 1 56 | 30 31 | 17 38 | 19 30 | 19 39 | 12 23 | | n.a. |
| T 26 | 7 4 | 24 51 | 4 34 | 1 57 | 1 58 | 16 12 | 0 52 | 16 31 | 0 46 | 4 50 | 1 15 | 11 0 | 1 39 | 10 55 | 0 49 | 9 1 | 1 56 | 30 31 | 17 38 | 19 33 | 19 40 | 12 26 | | n.a. |
| F 27 | 7 26 | 26 34 | 4 1 | 1 7 | 1 49 | 16 37 | 0 54 | 16 44 | 0 46 | 4 44 | 1 15 | 11 3 | 1 39 | 10 56 | 0 49 | 9 0 | 1 56 | 30 31 | 17 37 | 19 35 | 19 41 | 12 29 | | n.a. |
| S 28 | 7 48 | 27 3 | 3 17 | 0 14 | 1 40 | 17 2 | 0 57 | 16 56 | 0 47 | 4 39 | 1 15 | 11 6 | 1 39 | 10 56 | 0 49 | 9 0 | 1 56 | 30 31 | 17 37 | 19 36 | 19 41 | 12 31 | | n.a. |
| S 29 | 8 10 | 26 9 | 2 23 | 0n39 | 1 31 | 17 26 | 0 59 | 17 8 | 0 47 | 4 34 | 1 15 | 11 9 | 1 39 | 10 57 | 0 49 | 8 59 | 1 56 | 30 31 | 17 37 | 19 37 | 19 42 | 12 34 | | n.a. |
| M30 | 8n32 | 23s53 | 1s20 | 1n34 | 1s21 | 17n50 | 1n 1 | 17n20 | 0n48 | 4s29 | 1s15 | 11n12 | 1s39 | 10n57 | 0n49 | 8s59 | 1n56 | 30n31 | 17n36 | 19s37 | 19s43 | 12s37 | | n.a. |

Julian Day Number = 1000144.5, Delta T = 12h52m10s
Ecliptic obliquity = 23°55'24, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'59, Lahiri = -31°10'58 Julian Calendar 1 Apr. 1975 BCE == Greg. Calendar 15 March 1975 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## MAY 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 27 48 | 22♈25'10 | 1♒59 | 8♈51 | 16♉54 | 15♉20 | 22♓ 0 | 3♉ 4 | 4°R 5 | 27°R25 | 23°R14 | 4°R 8 | 3♒39 | 20♎12 | n.a. | T 1 |
| W 2 | 13 31 45 | 23°22'16 | 15°32 | 10°49 | 18° 7 | 15°58 | 22°13 | 3°12 | 4♍ 4 | 27♎24 | 23♌14 | 4♒ 8 | 3°36 | 20°19 | n.a. | W 2 |
| T 3 | 13 35 41 | 24°19'21 | 29°32 | 12°49 | 19°19 | 16°36 | 22°26 | 3°20 | 4° 3 | 27°22 | 23°13 | 4° 6 | 3°33 | 20°26 | n.a. | T 3 |
| F 4 | 13 39 38 | 25°16'27 | 14♓ 0 | 14°51 | 20°32 | 17°14 | 22°39 | 3°28 | 4° 1 | 27°20 | 23°12 | 4° 2 | 3°30 | 20°32 | n.a. | F 4 |
| S 5 | 13 43 34 | 26°13'32 | 28°52 | 16°56 | 21°45 | 17°53 | 22°52 | 3°35 | 4° 0 | 27°19 | 23°12 | 3°55 | 3°26 | 20°39 | n.a. | S 5 |
| S 6 | 13 47 31 | 27°10'37 | 14♈ 2 | 19° 1 | 22°57 | 18°31 | 23° 4 | 3°43 | 3°59 | 27°17 | 23°11 | 3°46 | 3°23 | 20°46 | n.a. | S 6 |
| M 7 | 13 51 28 | 28° 7'42 | 29°20 | 21° 9 | 24°10 | 19° 9 | 23°17 | 3°51 | 3°58 | 27°16 | 23°11 | 3°36 | 3°20 | 20°52 | n.a. | M 7 |
| T 8 | 13 55 24 | 29° 4'47 | 14♉35 | 23°17 | 25°22 | 19°47 | 23°30 | 3°59 | 3°57 | 27°14 | 23°10 | 3°25 | 3°17 | 20°59 | n.a. | T 8 |
| W 9 | 13 59 21 | 0♉ 1'51 | 29°36 | 25°27 | 26°35 | 20°25 | 23°43 | 4° 7 | 3°55 | 27°12 | 23°10 | 3°15 | 3°14 | 21° 6 | n.a. | W 9 |
| T 10 | 14 3 17 | 0°58'55 | 14♊14 | 27°37 | 27°47 | 21° 3 | 23°55 | 4°15 | 3°54 | 27°11 | 23°10 | 3° 8 | 3°11 | 21°13 | n.a. | T 10 |
| F 11 | 14 7 14 | 1°55'59 | 28°25 | 29°48 | 29° 0 | 21°41 | 24° 8 | 4°23 | 3°54 | 27° 9 | 23° 9 | 3° 3 | 3° 7 | 21°19 | n.a. | F 11 |
| S 12 | 14 11 10 | 2°53'02 | 12♋ 6 | 1♉59 | 0♊12 | 22°19 | 24°20 | 4°31 | 3°53 | 27° 7 | 23° 9 | 3° 0 | 3° 4 | 21°26 | n.a. | S 12 |
| S 13 | 14 15 7 | 3°50'05 | 25°19 | 4° 9 | 1°24 | 22°57 | 24°33 | 4°39 | 3°52 | 27° 6 | 23° 9 | 2°59 | 3° 1 | 21°33 | n.a. | S 13 |
| M14 | 14 19 4 | 4°47'08 | 8♌ 7 | 6°20 | 2°37 | 23°35 | 24°45 | 4°46 | 3°51 | 27° 4 | 23° 9 | 2°59 | 2°58 | 21°39 | n.a. | M14 |
| T 15 | 14 23 0 | 5°44'10 | 20°36 | 8°29 | 3°49 | 24°13 | 24°57 | 4°54 | 3°50 | 27° 3 | 23° 8 | 2°59 | 2°55 | 21°46 | n.a. | T 15 |
| W16 | 14 26 57 | 6°41'12 | 2♍48 | 10°38 | 5° 1 | 24°52 | 25°10 | 5° 2 | 3°49 | 27° 1 | 23° 8 | 2°57 | 2°51 | 21°53 | n.a. | W16 |
| T 17 | 14 30 53 | 7°38'14 | 14°50 | 12°46 | 6°14 | 25°30 | 25°22 | 5°10 | 3°49 | 26°59 | 23° 8 | 2°53 | 2°48 | 22° 0 | n.a. | T 17 |
| F 18 | 14 34 50 | 8°35'15 | 26°46 | 14°53 | 7°26 | 26° 8 | 25°34 | 5°18 | 3°48 | 26°58 | 23° 8 | 2°46 | 2°45 | 22° 6 | n.a. | F 18 |
| S 19 | 14 38 46 | 9°32'17 | 8♎38 | 16°58 | 8°38 | 26°46 | 25°46 | 5°26 | 3°48 | 26°56 | 23° 8 | 2°36 | 2°42 | 22°13 | n.a. | S 19 |
| S 20 | 14 42 43 | 10°29'18 | 20°30 | 19° 2 | 9°50 | 27°24 | 25°58 | 5°34 | 3°47 | 26°55 | 23° 8 | 2°24 | 2°39 | 22°20 | n.a. | S 20 |
| M21 | 14 46 39 | 11°26'20 | 2♏23 | 21° 4 | 11° 2 | 28° 2 | 26°10 | 5°42 | 3°47 | 26°53 | 23°D 8 | 2°11 | 2°36 | 22°27 | n.a. | M21 |
| T 22 | 14 50 36 | 12°23'22 | 14°20 | 23° 4 | 12°14 | 28°40 | 26°22 | 5°50 | 3°46 | 26°52 | 23° 8 | 1°58 | 2°32 | 22°33 | n.a. | T 22 |
| W23 | 14 54 33 | 13°20'24 | 26°21 | 25° 3 | 13°26 | 29°18 | 26°33 | 5°57 | 3°46 | 26°50 | 23° 8 | 1°45 | 2°29 | 22°40 | n.a. | W23 |
| T 24 | 14 58 29 | 14°17'27 | 8♐28 | 27° 0 | 14°38 | 29°56 | 26°45 | 6° 5 | 3°45 | 26°49 | 23° 8 | 1°34 | 2°26 | 22°47 | n.a. | T 24 |
| F 25 | 15 2 26 | 15°14'30 | 20°42 | 28°55 | 15°50 | 0♊34 | 26°56 | 6°13 | 3°45 | 26°47 | 23° 8 | 1°26 | 2°23 | 22°53 | n.a. | F 25 |
| S 26 | 15 6 22 | 16°11'33 | 3♑ 6 | 0♊48 | 17° 2 | 1°12 | 27° 8 | 6°21 | 3°45 | 26°46 | 23° 8 | 1°20 | 2°20 | 23° 0 | n.a. | S 26 |
| S 27 | 15 10 19 | 17° 8'37 | 15°41 | 2°39 | 18°14 | 1°50 | 27°19 | 6°29 | 3°45 | 26°44 | 23° 8 | 1°17 | 2°17 | 23° 7 | n.a. | S 27 |
| M28 | 15 14 15 | 18° 5'42 | 28°31 | 4°29 | 19°26 | 2°28 | 27°31 | 6°37 | 3°45 | 26°43 | 23° 9 | 1°D16 | 2°13 | 23°14 | n.a. | M28 |
| T 29 | 15 18 12 | 19° 2'48 | 11♒38 | 6°16 | 20°38 | 3° 6 | 27°42 | 6°44 | 3°45 | 26°41 | 23° 9 | 1°17 | 2°10 | 23°20 | n.a. | T 29 |
| W30 | 15 22 9 | 19°59'54 | 25° 7 | 8° 2 | 21°50 | 3°44 | 27°53 | 6°52 | 3°D45 | 26°40 | 23° 9 | 1°R17 | 2° 7 | 23°27 | n.a. | W30 |
| T 31 | 15 26 5 | 20♉57'01 | 8♓59 | 9♊45 | 23♊ 1 | 4♊22 | 28♓ 4 | 7♉ 0 | 3♍45 | 26♎38 | 23♌ 9 | 1♒15 | 2♒ 4 | 23♎34 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 8n54 | 20s18 | 0s11 | 2n30 | 1s11 | 18n14 | 1n 3 | 17n31 | 0n48 | 4s23 | 1s15 | 11n14 | 1s39 | 10n58 | 0n49 | 8s58 | 1n56 | 30n30 | 17n36 | 19s37 | 19s44 | 12s40 | | | n.a. |
| W 2 | 9 15 | 15 33 | 1n 0 | 3 26 | 1 1 | 18 37 | 1 6 | 17 43 | 0 48 | 4 18 | 1 16 | 11 17 | 1 39 | 10 58 | 0 49 | 8 57 | 1 56 | 30 30 | 17 35 | 19 37 | 19 44 | 12 43 | | | n.a. |
| T 3 | 9 37 | 9 50 | 2 10 | 4 24 | 0 50 | 19 0 | 1 8 | 17 55 | 0 49 | 4 13 | 1 16 | 11 20 | 1 39 | 10 59 | 0 49 | 8 57 | 1 56 | 30 30 | 17 35 | 19 37 | 19 45 | 12 45 | | | n.a. |
| F 4 | 9 58 | 3 27 | 3 14 | 5 22 | 0 39 | 19 22 | 1 10 | 18 6 | 0 49 | 4 8 | 1 16 | 11 23 | 1 38 | 10 59 | 0 49 | 8 56 | 1 56 | 30 30 | 17 34 | 19 38 | 19 46 | 12 48 | | | n.a. |
| S 5 | 10 19 | 3n18 | 4 7 | 6 21 | 0 28 | 19 44 | 1 12 | 18 18 | 0 49 | 4 3 | 1 16 | 11 26 | 1 38 | 11 0 | 0 49 | 8 56 | 1 56 | 30 29 | 17 33 | 19 40 | 19 47 | 12 51 | | | n.a. |
| S 6 | 10 40 | 9 58 | 4 43 | 7 20 | 0 17 | 20 5 | 1 14 | 18 29 | 0 50 | 3 58 | 1 16 | 11 28 | 1 38 | 11 0 | 0 49 | 8 55 | 1 56 | 30 29 | 17 33 | 19 42 | 19 47 | 12 54 | | | n.a. |
| M 7 | 11 1 | 16 6 | 4 59 | 8 19 | 0 7 | 20 25 | 1 16 | 18 40 | 0 50 | 3 52 | 1 16 | 11 31 | 1 38 | 11 0 | 0 49 | 8 55 | 1 56 | 30 29 | 17 32 | 19 45 | 19 48 | 12 57 | | | n.a. |
| T 8 | 11 22 | 21 13 | 4 55 | 9 17 | 0n 4 | 20 45 | 1 18 | 18 51 | 0 50 | 3 47 | 1 16 | 11 34 | 1 38 | 11 1 | 0 49 | 8 54 | 1 56 | 30 28 | 17 32 | 19 47 | 19 49 | 12 59 | | | n.a. |
| W 9 | 11 43 | 24 51 | 4 30 | 10 16 | 0 15 | 21 5 | 1 20 | 19 2 | 0 51 | 3 42 | 1 16 | 11 37 | 1 38 | 11 1 | 0 49 | 8 53 | 1 56 | 30 28 | 17 31 | 19 49 | 19 50 | 13 2 | | | n.a. |
| T 10 | 12 3 | 26 44 | 3 47 | 11 13 | 0 25 | 21 24 | 1 22 | 19 12 | 0 51 | 3 37 | 1 16 | 11 39 | 1 38 | 11 2 | 0 49 | 8 53 | 1 56 | 30 28 | 17 31 | 19 51 | 19 50 | 13 5 | | | n.a. |
| F 11 | 12 23 | 26 46 | 2 52 | 12 10 | 0 35 | 21 42 | 1 24 | 19 23 | 0 51 | 3 32 | 1 16 | 11 42 | 1 38 | 11 2 | 0 49 | 8 52 | 1 56 | 30 27 | 17 30 | 19 52 | 19 51 | 13 8 | | | n.a. |
| S 12 | 12 43 | 25 9 | 1 48 | 13 6 | 0 45 | 22 0 | 1 26 | 19 33 | 0 52 | 3 27 | 1 16 | 11 45 | 1 38 | 11 2 | 0 49 | 8 52 | 1 56 | 30 27 | 17 30 | 19 53 | 19 52 | 13 10 | | | n.a. |
| S 13 | 13 3 | 22 10 | 0 40 | 14 0 | 0 54 | 22 17 | 1 28 | 19 43 | 0 52 | 3 22 | 1 16 | 11 48 | 1 38 | 11 2 | 0 48 | 8 51 | 1 56 | 30 26 | 17 29 | 19 53 | 19 53 | 13 13 | | | n.a. |
| M14 | 13 23 | 18 10 | 0s27 | 14 53 | 1 3 | 22 34 | 1 29 | 19 54 | 0 53 | 3 18 | 1 17 | 11 51 | 1 38 | 11 3 | 0 48 | 8 50 | 1 56 | 30 26 | 17 29 | 19 53 | 19 53 | 13 16 | | | n.a. |
| T 15 | 13 42 | 13 28 | 1 32 | 15 44 | 1 11 | 22 50 | 1 31 | 20 4 | 0 53 | 3 13 | 1 17 | 11 53 | 1 38 | 11 3 | 0 48 | 8 50 | 1 56 | 30 26 | 17 28 | 19 53 | 19 54 | 13 19 | | | n.a. |
| W16 | 14 1 | 8 21 | 2 31 | 16 33 | 1 18 | 23 5 | 1 32 | 20 13 | 0 53 | 3 8 | 1 17 | 11 56 | 1 38 | 11 3 | 0 48 | 8 49 | 1 56 | 30 25 | 17 28 | 19 54 | 19 55 | 13 21 | | | n.a. |
| T 17 | 14 20 | 3 0 | 3 22 | 17 20 | 1 25 | 23 19 | 1 34 | 20 23 | 0 53 | 3 3 | 1 17 | 11 59 | 1 37 | 11 3 | 0 48 | 8 49 | 1 56 | 30 25 | 17 27 | 19 55 | 19 56 | 13 24 | | | n.a. |
| F 18 | 14 39 | 2s24 | 4 4 | 18 5 | 1 32 | 23 33 | 1 35 | 20 33 | 0 54 | 2 58 | 1 17 | 12 1 | 1 37 | 11 4 | 0 48 | 8 48 | 1 56 | 30 24 | 17 26 | 19 56 | 19 56 | 13 27 | | | n.a. |
| S 19 | 14 58 | 7 41 | 4 34 | 18 48 | 1 38 | 23 47 | 1 37 | 20 42 | 0 54 | 2 53 | 1 17 | 12 4 | 1 37 | 11 4 | 0 48 | 8 48 | 1 56 | 30 24 | 17 26 | 19 59 | 19 57 | 13 30 | | | n.a. |
| S 20 | 15 16 | 12 41 | 4 53 | 19 28 | 1 43 | 23 59 | 1 38 | 20 51 | 0 54 | 2 49 | 1 17 | 12 7 | 1 37 | 11 4 | 0 48 | 8 47 | 1 56 | 30 23 | 17 25 | 20 1 | 19 58 | 13 32 | | | n.a. |
| M21 | 15 34 | 17 13 | 5 0 | 20 6 | 1 47 | 24 11 | 1 39 | 21 1 | 0 55 | 2 44 | 1 17 | 12 10 | 1 37 | 11 4 | 0 48 | 8 47 | 1 55 | 30 23 | 17 25 | 20 4 | 19 59 | 13 35 | | | n.a. |
| T 22 | 15 52 | 21 7 | 4 53 | 20 42 | 1 51 | 24 23 | 1 41 | 21 10 | 0 55 | 2 39 | 1 17 | 12 12 | 1 37 | 11 4 | 0 48 | 8 46 | 1 55 | 30 22 | 17 24 | 20 7 | 19 59 | 13 38 | | | n.a. |
| W23 | 16 10 | 24 9 | 4 33 | 21 15 | 1 54 | 24 33 | 1 42 | 21 18 | 0 55 | 2 35 | 1 17 | 12 15 | 1 37 | 11 4 | 0 48 | 8 45 | 1 55 | 30 22 | 17 24 | 20 10 | 20 0 | 13 41 | | | n.a. |
| T 24 | 16 27 | 26 7 | 4 1 | 21 46 | 1 56 | 24 43 | 1 43 | 21 27 | 0 56 | 2 30 | 1 18 | 12 18 | 1 37 | 11 4 | 0 48 | 8 45 | 1 55 | 30 21 | 17 23 | 20 13 | 20 1 | 13 43 | | | n.a. |
| F 25 | 16 44 | 26 52 | 3 17 | 22 14 | 1 58 | 24 52 | 1 44 | 21 36 | 0 56 | 2 25 | 1 18 | 12 20 | 1 37 | 11 4 | 0 48 | 8 44 | 1 55 | 30 21 | 17 23 | 20 15 | 20 2 | 13 46 | | | n.a. |
| S 26 | 17 1 | 26 16 | 2 23 | 22 40 | 1 59 | 25 1 | 1 45 | 21 44 | 0 56 | 2 21 | 1 18 | 12 23 | 1 37 | 11 4 | 0 48 | 8 44 | 1 55 | 30 20 | 17 22 | 20 16 | 20 2 | 13 49 | | | n.a. |
| S 27 | 17 18 | 24 20 | 1 22 | 23 4 | 1 59 | 25 9 | 1 46 | 21 52 | 0 57 | 2 16 | 1 18 | 12 26 | 1 37 | 11 4 | 0 48 | 8 43 | 1 55 | 30 19 | 17 21 | 20 17 | 20 3 | 13 51 | | | n.a. |
| M28 | 17 34 | 21 7 | 0 15 | 23 25 | 1 59 | 25 16 | 1 46 | 22 0 | 0 57 | 2 12 | 1 18 | 12 28 | 1 37 | 11 4 | 0 48 | 8 43 | 1 55 | 30 19 | 17 21 | 20 17 | 20 4 | 13 54 | | | n.a. |
| T 29 | 17 50 | 16 46 | 0n55 | 23 44 | 1 58 | 25 22 | 1 47 | 22 8 | 0 57 | 2 8 | 1 18 | 12 31 | 1 37 | 11 4 | 0 48 | 8 42 | 1 55 | 30 18 | 17 20 | 20 17 | 20 5 | 13 57 | | | n.a. |
| W30 | 18 6 | 11 29 | 2 3 | 24 1 | 1 57 | 25 27 | 1 48 | 22 16 | 0 57 | 2 3 | 1 18 | 12 34 | 1 37 | 11 4 | 0 48 | 8 42 | 1 55 | 30 18 | 17 20 | 20 17 | 20 5 | 14 0 | | | n.a. |
| T 31 | 18n21 | 5s30 | 3n 6 | 24n15 | 1n55 | 25n32 | 1n48 | 22n23 | 0n58 | 1s59 | 1s18 | 12n36 | 1s37 | 11n 4 | 0n48 | 8s41 | 1n55 | 30n17 | 17n19 | 20s17 | 20s 6 | 14s 2 | | | n.a. |

Julian Day Number = 1000174.5, Delta T = 12h52m08s
Ecliptic obliquity = 23°55'23, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'55, Lahiri = -31°10'54 Julian Calendar 1 May 1975 BCE == Greg. Calendar 14 Apr. 1975 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## JUNE 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 30 2 | 21♉54'09 | 23♓15 | 11♊27 | 24♊13 | 5♊ 0 | 28♓15 | 7♉ 8 | 3♍45 | 26°R37 | 23♌10 | 1°R12 | 2♒ 1 | 23♎40 | n.a. | F 1 |
| S 2 | 15 33 58 | 22°51'18 | 7♈53 | 13° 7 | 25°25 | 5°39 | 28°26 | 7°15 | 3°45 | 26♎35 | 23°10 | 1♒ 7 | 1°57 | 23°47 | n.a. | S 2 |
| S 3 | 15 37 55 | 23°48'27 | 22°49 | 14°45 | 26°36 | 6°17 | 28°37 | 7°23 | 3°45 | 26°34 | 23°11 | 0°59 | 1°54 | 23°54 | n.a. | S 3 |
| M 4 | 15 41 51 | 24°45'38 | 7♉56 | 16°21 | 27°48 | 6°55 | 28°47 | 7°31 | 3°45 | 26°33 | 23°11 | 0°50 | 1°51 | 24° 1 | n.a. | M 4 |
| T 5 | 15 45 48 | 25°42'49 | 23° 2 | 17°55 | 29° 0 | 7°33 | 28°58 | 7°38 | 3°46 | 26°31 | 23°12 | 0°40 | 1°48 | 24° 7 | n.a. | T 5 |
| W 6 | 15 49 45 | 26°40'01 | 7♊59 | 19°27 | 0♋11 | 8°11 | 29° 8 | 7°46 | 3°46 | 26°30 | 23°12 | 0°31 | 1°45 | 24°14 | n.a. | W 6 |
| T 7 | 15 53 41 | 27°37'14 | 22°37 | 20°57 | 1°23 | 8°49 | 29°19 | 7°54 | 3°46 | 26°28 | 23°13 | 0°25 | 1°42 | 24°21 | n.a. | T 7 |
| F 8 | 15 57 38 | 28°34'28 | 6♋50 | 22°26 | 2°34 | 9°27 | 29°29 | 8° 1 | 3°47 | 26°27 | 23°13 | 0°20 | 1°38 | 24°28 | n.a. | F 8 |
| S 9 | 16 1 34 | 29°31'42 | 20°35 | 23°52 | 3°46 | 10° 5 | 29°39 | 8° 9 | 3°47 | 26°26 | 23°14 | 0°18 | 1°35 | 24°34 | n.a. | S 9 |
| S 10 | 16 5 31 | 0♊28'57 | 3♌53 | 25°16 | 4°57 | 10°43 | 29°49 | 8°16 | 3°48 | 26°25 | 23°15 | 0°D18 | 1°32 | 24°41 | n.a. | S 10 |
| M11 | 16 9 27 | 1°26'12 | 16°45 | 26°38 | 6° 8 | 11°21 | 29°59 | 8°24 | 3°49 | 26°23 | 23°15 | 0°18 | 1°29 | 24°48 | n.a. | M11 |
| T 12 | 16 13 24 | 2°23'28 | 29°15 | 27°59 | 7°20 | 11°59 | 0♈ 9 | 8°31 | 3°49 | 26°22 | 23°16 | 0°R19 | 1°26 | 24°54 | n.a. | T 12 |
| W13 | 16 17 20 | 3°20'45 | 11♍29 | 29°17 | 8°31 | 12°38 | 0°18 | 8°39 | 3°50 | 26°21 | 23°17 | 0°19 | 1°23 | 25° 1 | n.a. | W13 |
| T 14 | 16 21 17 | 4°18'02 | 23°31 | 0♋33 | 9°42 | 13°16 | 0°28 | 8°46 | 3°51 | 26°20 | 23°18 | 0°17 | 1°19 | 25° 8 | n.a. | T 14 |
| F 15 | 16 25 14 | 5°15'20 | 5♎26 | 1°46 | 10°53 | 13°54 | 0°38 | 8°54 | 3°52 | 26°19 | 23°18 | 0°12 | 1°16 | 25°15 | n.a. | F 15 |
| S 16 | 16 29 10 | 6°12'39 | 17°18 | 2°58 | 12° 4 | 14°32 | 0°47 | 9° 1 | 3°53 | 26°17 | 23°19 | 0° 6 | 1°13 | 25°21 | n.a. | S 16 |
| S 17 | 16 33 7 | 7° 9'59 | 29°10 | 4° 7 | 13°15 | 15°10 | 0°56 | 9° 8 | 3°54 | 26°16 | 23°20 | 29♑58 | 1°10 | 25°28 | n.a. | S 17 |
| M18 | 16 37 3 | 8° 7'20 | 11♏ 7 | 5°14 | 14°26 | 15°48 | 1° 5 | 9°16 | 3°55 | 26°15 | 23°21 | 29°49 | 1° 7 | 25°35 | n.a. | M18 |
| T 19 | 16 41 0 | 9° 4'42 | 23° 9 | 6°18 | 15°37 | 16°26 | 1°14 | 9°23 | 3°56 | 26°14 | 23°22 | 29°39 | 1° 3 | 25°42 | n.a. | T 19 |
| W20 | 16 44 56 | 10° 2'05 | 5♐19 | 7°19 | 16°48 | 17° 4 | 1°23 | 9°30 | 3°57 | 26°13 | 23°23 | 29°30 | 1° 0 | 25°48 | n.a. | W20 |
| T 21 | 16 48 53 | 10°59'29 | 17°38 | 8°18 | 17°59 | 17°43 | 1°32 | 9°37 | 3°58 | 26°12 | 23°24 | 29°23 | 0°57 | 25°55 | n.a. | T 21 |
| F 22 | 16 52 50 | 11°56'55 | 0♑ 6 | 9°13 | 19° 9 | 18°21 | 1°41 | 9°44 | 3°59 | 26°11 | 23°25 | 29°17 | 0°54 | 26° 2 | n.a. | F 22 |
| S 23 | 16 56 46 | 12°54'22 | 12°44 | 10° 6 | 20°20 | 18°59 | 1°49 | 9°51 | 4° 0 | 26°10 | 23°26 | 29°14 | 0°51 | 26° 8 | n.a. | S 23 |
| S 24 | 17 0 43 | 13°51'50 | 25°34 | 10°56 | 21°31 | 19°37 | 1°58 | 9°58 | 4° 2 | 26° 9 | 23°27 | 29°D12 | 0°48 | 26°15 | n.a. | S 24 |
| M25 | 17 4 39 | 14°49'20 | 8♒37 | 11°42 | 22°41 | 20°15 | 2° 6 | 10° 5 | 4° 3 | 26° 8 | 23°28 | 29°13 | 0°44 | 26°22 | n.a. | M25 |
| T 26 | 17 8 36 | 15°46'51 | 21°54 | 12°24 | 23°52 | 20°53 | 2°14 | 10°12 | 4° 4 | 26° 7 | 23°30 | 29°14 | 0°41 | 26°29 | n.a. | T 26 |
| W27 | 17 12 32 | 16°44'24 | 5♓27 | 13° 3 | 25° 2 | 21°32 | 2°22 | 10°19 | 4° 6 | 26° 6 | 23°31 | 29°15 | 0°38 | 26°35 | n.a. | W27 |
| T 28 | 17 16 29 | 17°41'59 | 19°16 | 13°39 | 26°13 | 22°10 | 2°30 | 10°26 | 4° 7 | 26° 5 | 23°32 | 29°R16 | 0°35 | 26°42 | n.a. | T 28 |
| F 29 | 17 20 25 | 18°39'35 | 3♈23 | 14°10 | 27°23 | 22°48 | 2°37 | 10°33 | 4° 9 | 26° 5 | 23°33 | 29°15 | 0°32 | 26°49 | n.a. | F 29 |
| S 30 | 17 24 22 | 19♊37'13 | 17♈47 | 14♋36 | 28♋33 | 23♊26 | 2♈45 | 10♉40 | 4♍10 | 26♎ 4 | 23♌35 | 29♑12 | 0♒28 | 26♎55 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 18n37 | 0n55 | 3n59 | 24n28 | 1n52 | 25n36 | 1n49 | 22n31 | 0n58 | 1s54 | 1s19 | 12n39 | 1s37 | 11n 4 | 0n48 | 8s41 | 1n55 | 30n16 | 17n19 | 20s18 | 20s 7 | 14s 5 | | n.a. |
| S 2 | 18 51 | 7 26 | 4 38 | 24 38 | 1 49 | 25 40 | 1 49 | 22 38 | 0 58 | 1 50 | 1 19 | 12 41 | 1 37 | 11 4 | 0 48 | 8 40 | 1 55 | 30 16 | 17 18 | 20 19 | 20 7 | 14 8 | | n.a. |
| S 3 | 19 6 | 13 40 | 5 0 | 24 47 | 1 46 | 25 42 | 1 49 | 22 45 | 0 59 | 1 46 | 1 19 | 12 44 | 1 37 | 11 4 | 0 48 | 8 40 | 1 55 | 30 15 | 17 17 | 20 21 | 20 8 | 14 10 | | n.a. |
| M 4 | 19 20 | 19 9 | 5 0 | 24 53 | 1 41 | 25 44 | 1 50 | 22 52 | 0 59 | 1 42 | 1 19 | 12 46 | 1 37 | 11 4 | 0 48 | 8 39 | 1 55 | 30 14 | 17 17 | 20 23 | 20 9 | 14 13 | | n.a. |
| T 5 | 19 34 | 23 25 | 4 40 | 24 58 | 1 37 | 25 45 | 1 50 | 22 59 | 0 59 | 1 38 | 1 19 | 12 49 | 1 37 | 11 4 | 0 47 | 8 39 | 1 55 | 30 13 | 17 16 | 20 25 | 20 10 | 14 16 | | n.a. |
| W 6 | 19 48 | 26 3 | 4 1 | 25 1 | 1 32 | 25 45 | 1 50 | 23 5 | 0 59 | 1 33 | 1 19 | 12 52 | 1 37 | 11 4 | 0 47 | 8 38 | 1 55 | 30 13 | 17 16 | 20 27 | 20 10 | 14 18 | | n.a. |
| T 7 | 20 2 | 26 49 | 3 7 | 25 2 | 1 26 | 25 45 | 1 50 | 23 12 | 1 0 | 1 29 | 1 19 | 12 54 | 1 37 | 11 3 | 0 47 | 8 38 | 1 55 | 30 12 | 17 15 | 20 28 | 20 11 | 14 21 | | n.a. |
| F 8 | 20 15 | 25 46 | 2 2 | 25 2 | 1 20 | 25 44 | 1 50 | 23 18 | 1 0 | 1 25 | 1 20 | 12 57 | 1 37 | 11 3 | 0 47 | 8 38 | 1 55 | 30 11 | 17 15 | 20 29 | 20 12 | 14 24 | | n.a. |
| S 9 | 20 27 | 23 10 | 0 52 | 25 0 | 1 13 | 25 42 | 1 50 | 23 24 | 1 0 | 1 21 | 1 20 | 12 59 | 1 37 | 11 3 | 0 47 | 8 37 | 1 55 | 30 11 | 17 14 | 20 30 | 20 12 | 14 26 | | n.a. |
| S 10 | 20 40 | 19 22 | 0s19 | 24 56 | 1 6 | 25 39 | 1 49 | 23 30 | 1 0 | 1 17 | 1 20 | 13 2 | 1 37 | 11 3 | 0 47 | 8 37 | 1 55 | 30 10 | 17 14 | 20 30 | 20 13 | 14 29 | | n.a. |
| M11 | 20 52 | 14 45 | 1 27 | 24 52 | 0 59 | 25 36 | 1 49 | 23 36 | 1 1 | 1 14 | 1 20 | 13 4 | 1 37 | 11 2 | 0 47 | 8 36 | 1 55 | 30 9 | 17 13 | 20 30 | 20 14 | 14 32 | | n.a. |
| T 12 | 21 4 | 9 39 | 2 28 | 24 46 | 0 51 | 25 31 | 1 49 | 23 41 | 1 1 | 1 10 | 1 20 | 13 6 | 1 37 | 11 2 | 0 47 | 8 36 | 1 55 | 30 8 | 17 12 | 20 29 | 20 15 | 14 34 | | n.a. |
| W13 | 21 15 | 4 18 | 3 22 | 24 38 | 0 43 | 25 26 | 1 48 | 23 47 | 1 1 | 1 6 | 1 20 | 13 9 | 1 37 | 11 2 | 0 47 | 8 35 | 1 55 | 30 8 | 17 12 | 20 30 | 20 15 | 14 37 | | n.a. |
| T 14 | 21 26 | 1s 7 | 4 5 | 24 30 | 0 34 | 25 21 | 1 47 | 23 52 | 1 1 | 1 2 | 1 21 | 13 11 | 1 37 | 11 1 | 0 47 | 8 35 | 1 55 | 30 7 | 17 11 | 20 30 | 20 16 | 14 39 | | n.a. |
| F 15 | 21 37 | 6 26 | 4 38 | 24 20 | 0 25 | 25 14 | 1 47 | 23 57 | 1 2 | 0 59 | 1 21 | 13 14 | 1 37 | 11 1 | 0 47 | 8 35 | 1 55 | 30 6 | 17 11 | 20 31 | 20 17 | 14 42 | | n.a. |
| S 16 | 21 47 | 11 30 | 4 58 | 24 9 | 0 16 | 25 7 | 1 46 | 24 2 | 1 2 | 0 55 | 1 21 | 13 16 | 1 37 | 11 1 | 0 47 | 8 34 | 1 55 | 30 5 | 17 10 | 20 32 | 20 17 | 14 45 | | n.a. |
| S 17 | 21 57 | 16 8 | 5 5 | 23 58 | 0 6 | 24 59 | 1 45 | 24 6 | 1 2 | 0 51 | 1 21 | 13 18 | 1 37 | 11 0 | 0 47 | 8 34 | 1 54 | 30 4 | 17 10 | 20 34 | 20 18 | 14 47 | | n.a. |
| M18 | 22 6 | 20 12 | 5 0 | 23 45 | 0s 4 | 24 51 | 1 44 | 24 11 | 1 2 | 0 48 | 1 21 | 13 21 | 1 37 | 11 0 | 0 47 | 8 34 | 1 54 | 30 3 | 17 9 | 20 36 | 20 19 | 14 50 | | n.a. |
| T 19 | 22 15 | 23 27 | 4 41 | 23 32 | 0 14 | 24 42 | 1 43 | 24 15 | 1 3 | 0 44 | 1 21 | 13 23 | 1 37 | 11 0 | 0 47 | 8 33 | 1 54 | 30 3 | 17 9 | 20 38 | 20 20 | 14 53 | | n.a. |
| W20 | 22 24 | 25 42 | 4 9 | 23 18 | 0 25 | 24 32 | 1 42 | 24 19 | 1 3 | 0 41 | 1 22 | 13 25 | 1 37 | 10 59 | 0 47 | 8 33 | 1 54 | 30 2 | 17 8 | 20 40 | 20 20 | 14 55 | | n.a. |
| T 21 | 22 33 | 26 44 | 3 25 | 23 4 | 0 35 | 24 21 | 1 41 | 24 23 | 1 3 | 0 37 | 1 22 | 13 28 | 1 37 | 10 59 | 0 47 | 8 33 | 1 54 | 30 1 | 17 8 | 20 42 | 20 21 | 14 58 | | n.a. |
| F 22 | 22 41 | 26 26 | 2 30 | 22 49 | 0 47 | 24 10 | 1 39 | 24 27 | 1 3 | 0 34 | 1 22 | 13 30 | 1 37 | 10 58 | 0 47 | 8 32 | 1 54 | 30 0 | 17 7 | 20 43 | 20 22 | 15 0 | | n.a. |
| S 23 | 22 48 | 24 45 | 1 28 | 22 34 | 0 58 | 23 58 | 1 38 | 24 31 | 1 4 | 0 31 | 1 22 | 13 32 | 1 37 | 10 58 | 0 47 | 8 32 | 1 54 | 29 59 | 17 6 | 20 43 | 20 22 | 15 3 | | n.a. |
| S 24 | 22 55 | 21 47 | 0 20 | 22 18 | 1 10 | 23 45 | 1 36 | 24 34 | 1 4 | 0 28 | 1 22 | 13 34 | 1 37 | 10 57 | 0 47 | 8 32 | 1 54 | 29 58 | 17 6 | 20 44 | 20 23 | 15 6 | | n.a. |
| M25 | 23 2 | 17 39 | 0n51 | 22 3 | 1 21 | 23 32 | 1 35 | 24 37 | 1 4 | 0 24 | 1 22 | 13 37 | 1 37 | 10 57 | 0 47 | 8 31 | 1 54 | 29 57 | 17 5 | 20 44 | 20 24 | 15 8 | | n.a. |
| T 26 | 23 9 | 12 36 | 2 0 | 21 47 | 1 33 | 23 18 | 1 33 | 24 40 | 1 4 | 0 21 | 1 23 | 13 39 | 1 37 | 10 56 | 0 47 | 8 31 | 1 54 | 29 56 | 17 5 | 20 43 | 20 25 | 15 11 | | n.a. |
| W27 | 23 15 | 6 52 | 3 3 | 21 31 | 1 45 | 23 3 | 1 31 | 24 43 | 1 4 | 0 18 | 1 23 | 13 41 | 1 37 | 10 55 | 0 46 | 8 31 | 1 54 | 29 56 | 17 4 | 20 43 | 20 25 | 15 13 | | n.a. |
| T 28 | 23 20 | 0 42 | 3 58 | 21 15 | 1 58 | 22 48 | 1 29 | 24 46 | 1 5 | 0 15 | 1 23 | 13 43 | 1 37 | 10 55 | 0 46 | 8 31 | 1 54 | 29 55 | 17 4 | 20 43 | 20 26 | 15 16 | | n.a. |
| F 29 | 23 26 | 5n38 | 4 39 | 21 0 | 2 10 | 22 32 | 1 27 | 24 48 | 1 5 | 0 12 | 1 23 | 13 45 | 1 37 | 10 54 | 0 46 | 8 30 | 1 54 | 29 54 | 17 3 | 20 43 | 20 27 | 15 18 | | n.a. |
| S 30 | 23n30 | 11n46 | 5n 4 | 20n45 | 2s22 | 22n15 | 1n25 | 24n50 | 1n 5 | 0s 9 | 1s23 | 13n47 | 1s37 | 10n54 | 0n46 | 8s30 | 1n54 | 29n53 | 17n 3 | 20s44 | 20s27 | 15s21 | | n.a. |

Julian Day Number = 1000205.5, Delta T = 12h52m06s
Ecliptic obliquity = 23°55'23, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'51, Lahiri = -31°10'50 Julian Calendar 1 June 1975 BCE == Greg. Calendar 15 May 1975 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## JULY 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 28 19 | 20♊34'53 | 2♉23 | 14♋59 | 29♋43 | 24♊ 5 | 2♈52 | 10♉46 | 4♍12 | 26°R 3 | 23♎36 | 29°R 8 | 0♒25 | 27♐ 2 | n.a. | S 1 |
| M 2 | 17 32 15 | 21°32'35 | 17° 6 | 15°16 | 0♎53 | 24°43 | 3° 0 | 10°53 | 4°14 | 26♐ 2 | 23°37 | 29♑ 3 | 0°22 | 27° 9 | n.a. | M 2 |
| T 3 | 17 36 12 | 22°30'19 | 1♊51 | 15°29 | 2° 3 | 25°21 | 3° 7 | 11° 0 | 4°15 | 26° 2 | 23°39 | 28°57 | 0°19 | 27°16 | n.a. | T 3 |
| W 4 | 17 40 8 | 23°28'04 | 16°29 | 15°36 | 3°13 | 25°59 | 3°14 | 11° 6 | 4°17 | 26° 1 | 23°40 | 28°52 | 0°16 | 27°22 | n.a. | W 4 |
| T 5 | 17 44 5 | 24°25'51 | 0♋53 | 15°R38 | 4°23 | 26°38 | 3°21 | 11°13 | 4°19 | 26° 0 | 23°41 | 28°48 | 0°13 | 27°29 | n.a. | T 5 |
| F 6 | 17 48 1 | 25°23'39 | 14°58 | 15°34 | 5°33 | 27°16 | 3°27 | 11°19 | 4°21 | 26° 0 | 23°43 | 28°46 | 0° 9 | 27°36 | n.a. | F 6 |
| S 7 | 17 51 58 | 26°21'29 | 28°40 | 15°25 | 6°43 | 27°54 | 3°34 | 11°26 | 4°23 | 25°59 | 23°44 | 28°D45 | 0° 6 | 27°43 | n.a. | S 7 |
| S 8 | 17 55 55 | 27°19'21 | 11♎57 | 15°10 | 7°53 | 28°33 | 3°40 | 11°32 | 4°25 | 25°58 | 23°46 | 28°46 | 0° 3 | 27°49 | n.a. | S 8 |
| M 9 | 17 59 51 | 28°17'14 | 24°51 | 14°49 | 9° 2 | 29°11 | 3°47 | 11°38 | 4°27 | 25°58 | 23°47 | 28°47 | 29♑59 | 27°56 | n.a. | M 9 |
| T 10 | 18 3 48 | 29°15'08 | 7♍24 | 14°22 | 10°12 | 29°49 | 3°53 | 11°45 | 4°29 | 25°57 | 23°49 | 28°49 | 29°57 | 28° 3 | n.a. | T 10 |
| W11 | 18 7 44 | 0♋13'04 | 19°40 | 13°50 | 11°21 | 0♋28 | 3°59 | 11°51 | 4°31 | 25°57 | 23°51 | 28°50 | 29°54 | 28° 9 | n.a. | W11 |
| T 12 | 18 11 41 | 1°11'01 | 1♐44 | 13°12 | 12°30 | 1° 6 | 4° 4 | 11°57 | 4°33 | 25°56 | 23°52 | 28°R51 | 29°50 | 28°16 | n.a. | T 12 |
| F 13 | 18 15 37 | 2° 9'00 | 13°40 | 12°29 | 13°40 | 1°44 | 4°10 | 12° 3 | 4°35 | 25°56 | 23°54 | 28°50 | 29°47 | 28°23 | n.a. | F 13 |
| S 14 | 18 19 34 | 3° 7'00 | 25°33 | 11°42 | 14°49 | 2°23 | 4°15 | 12° 9 | 4°37 | 25°56 | 23°56 | 28°48 | 29°44 | 28°30 | n.a. | S 14 |
| S 15 | 18 23 30 | 4° 5'02 | 7♏27 | 10°51 | 15°58 | 3° 1 | 4°20 | 12°15 | 4°40 | 25°55 | 23°57 | 28°45 | 29°41 | 28°36 | n.a. | S 15 |
| M16 | 18 27 27 | 5° 3'06 | 19°27 | 9°57 | 17° 7 | 3°40 | 4°26 | 12°20 | 4°42 | 25°55 | 23°59 | 28°42 | 29°38 | 28°43 | n.a. | M16 |
| T 17 | 18 31 23 | 6° 1'11 | 1♐35 | 9° 2 | 18°16 | 4°18 | 4°30 | 12°26 | 4°44 | 25°55 | 24° 1 | 28°38 | 29°34 | 28°50 | n.a. | T 17 |
| W18 | 18 35 20 | 6°59'18 | 13°53 | 8° 5 | 19°24 | 4°56 | 4°35 | 12°32 | 4°47 | 25°54 | 24° 2 | 28°35 | 29°31 | 28°57 | n.a. | W18 |
| T 19 | 18 39 17 | 7°57'27 | 26°24 | 7° 8 | 20°33 | 5°35 | 4°40 | 12°38 | 4°49 | 25°54 | 24° 4 | 28°32 | 29°28 | 29° 3 | n.a. | T 19 |
| F 20 | 18 43 13 | 8°55'38 | 9♑ 9 | 6°13 | 21°42 | 6°13 | 4°44 | 12°43 | 4°52 | 25°54 | 24° 6 | 28°30 | 29°25 | 29°10 | n.a. | F 20 |
| S 21 | 18 47 10 | 9°53'51 | 22° 7 | 5°21 | 22°50 | 6°52 | 4°48 | 12°49 | 4°54 | 25°54 | 24° 8 | 28°D29 | 29°22 | 29°17 | n.a. | S 21 |
| S 22 | 18 51 6 | 10°52'05 | 5♒19 | 4°33 | 23°58 | 7°30 | 4°52 | 12°54 | 4°57 | 25°54 | 24°10 | 28°29 | 29°19 | 29°23 | n.a. | S 22 |
| M23 | 18 55 3 | 11°50'22 | 18°44 | 3°49 | 25° 7 | 8° 9 | 4°56 | 12°59 | 4°59 | 25°53 | 24°12 | 28°30 | 29°15 | 29°30 | n.a. | M23 |
| T 24 | 18 58 59 | 12°48'41 | 2♓21 | 3°12 | 26°15 | 8°47 | 5° 0 | 13° 5 | 5° 2 | 25°53 | 24°14 | 28°31 | 29°12 | 29°37 | n.a. | T 24 |
| W25 | 19 2 56 | 13°47'02 | 16° 9 | 2°42 | 27°23 | 9°26 | 5° 3 | 13°10 | 5° 5 | 25°53 | 24°16 | 28°32 | 29° 9 | 29°44 | n.a. | W25 |
| T 26 | 19 6 52 | 14°45'25 | 0♈ 7 | 2°20 | 28°30 | 10° 4 | 5° 7 | 13°15 | 5° 7 | 25°D53 | 24°17 | 28°33 | 29° 6 | 29°50 | n.a. | T 26 |
| F 27 | 19 10 49 | 15°43'51 | 14°14 | 2° 6 | 29°38 | 10°43 | 5°10 | 13°20 | 5°10 | 25°53 | 24°19 | 28°R33 | 29° 3 | 29°57 | n.a. | F 27 |
| S 28 | 19 14 46 | 16°42'19 | 28°27 | 2°D 1 | 0♍46 | 11°22 | 5°13 | 13°25 | 5°13 | 25°53 | 24°21 | 28°33 | 29° 0 | 0♏ 4 | n.a. | S 28 |
| S 29 | 19 18 42 | 17°40'50 | 12♉46 | 2° 5 | 1°53 | 12° 0 | 5°15 | 13°30 | 5°16 | 25°53 | 24°23 | 28°32 | 28°56 | 0°11 | n.a. | S 29 |
| M30 | 19 22 39 | 18°39'23 | 27° 5 | 2°18 | 3° 1 | 12°39 | 5°18 | 13°35 | 5°19 | 25°54 | 24°25 | 28°31 | 28°53 | 0°17 | n.a. | M30 |
| T 31 | 19 26 35 | 19♋37'58 | 11♊23 | 2♋41 | 4♍ 8 | 13♋18 | 5♈20 | 13♉39 | 5♍22 | 25♐54 | 24♎28 | 28♑30 | 28♑50 | 0♏24 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 23n35 | 17n22 | 5n10 | 20n30 | 2s34 | 21n58 | 1n23 | 24n52 | 1n 5 | 0s 7 | 1s24 | 13n49 | 1s37 | 10n53 | 0n46 | 8s30 | 1n54 | 29n52 | 17n 2 | 20s45 | 20s28 | 15s24 | | | n.a. |
| M 2 | 23 39 | 21 59 | 4 55 | 20 16 | 2 46 | 21 41 | 1 21 | 24 54 | 1 5 | 0 4 | 1 24 | 13 52 | 1 37 | 10 52 | 0 46 | 8 30 | 1 54 | 29 51 | 17 2 | 20 46 | 20 29 | 15 26 | | | n.a. |
| T 3 | 23 42 | 25 12 | 4 21 | 20 3 | 2 58 | 21 22 | 1 18 | 24 56 | 1 6 | 0 1 | 1 24 | 13 54 | 1 37 | 10 52 | 0 46 | 8 29 | 1 54 | 29 50 | 17 1 | 20 47 | 20 29 | 15 29 | | | n.a. |
| W 4 | 23 45 | 26 42 | 3 30 | 19 51 | 3 10 | 21 4 | 1 16 | 24 57 | 1 6 | 0n 2 | 1 24 | 13 56 | 1 37 | 10 51 | 0 46 | 8 29 | 1 54 | 29 49 | 17 1 | 20 48 | 20 30 | 15 31 | | | n.a. |
| T 5 | 23 48 | 26 21 | 2 26 | 19 39 | 3 21 | 20 44 | 1 13 | 24 59 | 1 6 | 0 4 | 1 24 | 13 58 | 1 37 | 10 50 | 0 46 | 8 29 | 1 53 | 29 48 | 17 1 | 20 49 | 20 31 | 15 34 | | | n.a. |
| F 6 | 23 50 | 24 18 | 1 15 | 19 29 | 3 32 | 20 24 | 1 11 | 25 0 | 1 6 | 0 7 | 1 25 | 14 0 | 1 37 | 10 49 | 0 46 | 8 29 | 1 53 | 29 47 | 17 0 | 20 49 | 20 32 | 15 36 | | | n.a. |
| S 7 | 23 52 | 20 51 | 0 1 | 19 20 | 3 42 | 20 4 | 1 8 | 25 1 | 1 6 | 0 9 | 1 25 | 14 2 | 1 37 | 10 49 | 0 46 | 8 29 | 1 53 | 29 46 | 17 0 | 20 49 | 20 32 | 15 39 | | | n.a. |
| S 8 | 23 54 | 16 25 | 1s12 | 19 12 | 3 52 | 19 43 | 1 5 | 25 1 | 1 7 | 0 12 | 1 25 | 14 4 | 1 37 | 10 48 | 0 46 | 8 28 | 1 53 | 29 45 | 16 59 | 20 49 | 20 33 | 15 41 | | | n.a. |
| M 9 | 23 55 | 11 21 | 2 18 | 19 6 | 4 0 | 19 22 | 1 2 | 25 2 | 1 7 | 0 14 | 1 25 | 14 5 | 1 37 | 10 47 | 0 46 | 8 28 | 1 53 | 29 44 | 16 59 | 20 49 | 20 34 | 15 44 | | | n.a. |
| T 10 | 23 55 | 5 57 | 3 16 | 19 2 | 4 8 | 19 0 | 0 59 | 25 2 | 1 7 | 0 16 | 1 25 | 14 7 | 1 37 | 10 46 | 0 46 | 8 28 | 1 53 | 29 43 | 16 58 | 20 49 | 20 34 | 15 46 | | | n.a. |
| W11 | 23 55 | 0 27 | 4 3 | 18 59 | 4 14 | 18 37 | 0 56 | 25 2 | 1 7 | 0 18 | 1 26 | 14 9 | 1 37 | 10 46 | 0 46 | 8 28 | 1 53 | 29 42 | 16 58 | 20 48 | 20 35 | 15 49 | | | n.a. |
| T 12 | 23 55 | 4s57 | 4 39 | 18 57 | 4 19 | 18 15 | 0 53 | 25 2 | 1 7 | 0 20 | 1 26 | 14 11 | 1 37 | 10 45 | 0 46 | 8 28 | 1 53 | 29 41 | 16 57 | 20 48 | 20 36 | 15 51 | | | n.a. |
| F 13 | 23 54 | 10 8 | 5 3 | 18 58 | 4 23 | 17 51 | 0 50 | 25 2 | 1 7 | 0 23 | 1 26 | 14 13 | 1 38 | 10 44 | 0 46 | 8 28 | 1 53 | 29 40 | 16 57 | 20 48 | 20 36 | 15 54 | | | n.a. |
| S 14 | 23 53 | 14 54 | 5 13 | 19 0 | 4 25 | 17 28 | 0 47 | 25 2 | 1 8 | 0 25 | 1 26 | 14 15 | 1 38 | 10 43 | 0 46 | 8 28 | 1 53 | 29 39 | 16 57 | 20 49 | 20 37 | 15 56 | | | n.a. |
| S 15 | 23 51 | 19 8 | 5 10 | 19 4 | 4 25 | 17 4 | 0 43 | 25 1 | 1 8 | 0 26 | 1 26 | 14 16 | 1 38 | 10 42 | 0 46 | 8 28 | 1 53 | 29 38 | 16 56 | 20 49 | 20 38 | 15 59 | | | n.a. |
| M16 | 23 49 | 22 38 | 4 53 | 19 10 | 4 23 | 16 39 | 0 40 | 25 0 | 1 8 | 0 28 | 1 27 | 14 18 | 1 38 | 10 41 | 0 46 | 8 28 | 1 53 | 29 37 | 16 56 | 20 50 | 20 38 | 16 1 | | | n.a. |
| T 17 | 23 47 | 25 11 | 4 24 | 19 18 | 4 19 | 16 14 | 0 36 | 24 59 | 1 8 | 0 30 | 1 27 | 14 20 | 1 38 | 10 40 | 0 46 | 8 28 | 1 53 | 29 36 | 16 55 | 20 51 | 20 39 | 16 4 | | | n.a. |
| W18 | 23 44 | 26 35 | 3 41 | 19 27 | 4 14 | 15 49 | 0 33 | 24 58 | 1 8 | 0 32 | 1 27 | 14 22 | 1 38 | 10 39 | 0 46 | 8 28 | 1 53 | 29 35 | 16 55 | 20 52 | 20 40 | 16 6 | | | n.a. |
| T 19 | 23 41 | 26 40 | 2 47 | 19 38 | 4 6 | 15 23 | 0 29 | 24 56 | 1 8 | 0 33 | 1 27 | 14 23 | 1 38 | 10 38 | 0 46 | 8 28 | 1 53 | 29 34 | 16 54 | 20 52 | 20 40 | 16 9 | | | n.a. |
| F 20 | 23 37 | 25 20 | 1 45 | 19 50 | 3 57 | 14 57 | 0 25 | 24 55 | 1 8 | 0 35 | 1 28 | 14 25 | 1 38 | 10 37 | 0 46 | 8 28 | 1 52 | 29 33 | 16 54 | 20 53 | 20 41 | 16 11 | | | n.a. |
| S 21 | 23 33 | 22 38 | 0 35 | 20 4 | 3 45 | 14 31 | 0 21 | 24 53 | 1 9 | 0 36 | 1 28 | 14 27 | 1 38 | 10 36 | 0 46 | 8 28 | 1 52 | 29 32 | 16 54 | 20 53 | 20 42 | 16 14 | | | n.a. |
| S 22 | 23 28 | 18 43 | 0n38 | 20 18 | 3 32 | 14 4 | 0 17 | 24 51 | 1 9 | 0 38 | 1 28 | 14 28 | 1 38 | 10 35 | 0 46 | 8 28 | 1 52 | 29 31 | 16 53 | 20 53 | 20 42 | 16 16 | | | n.a. |
| M23 | 23 23 | 13 47 | 1 49 | 20 34 | 3 18 | 13 37 | 0 13 | 24 49 | 1 9 | 0 39 | 1 28 | 14 30 | 1 38 | 10 34 | 0 45 | 8 28 | 1 52 | 29 30 | 16 53 | 20 53 | 20 43 | 16 19 | | | n.a. |
| T 24 | 23 17 | 8 7 | 2 56 | 20 51 | 3 3 | 13 10 | 0 9 | 24 46 | 1 9 | 0 41 | 1 28 | 14 31 | 1 38 | 10 33 | 0 45 | 8 28 | 1 52 | 29 29 | 16 53 | 20 52 | 20 44 | 16 21 | | | n.a. |
| W25 | 23 12 | 2 0 | 3 54 | 21 8 | 2 46 | 12 42 | 0 5 | 24 44 | 1 9 | 0 42 | 1 29 | 14 33 | 1 38 | 10 32 | 0 45 | 8 28 | 1 52 | 29 28 | 16 52 | 20 52 | 20 44 | 16 24 | | | n.a. |
| T 26 | 23 5 | 4n17 | 4 38 | 21 26 | 2 29 | 12 15 | 0 1 | 24 41 | 1 9 | 0 43 | 1 29 | 14 34 | 1 38 | 10 31 | 0 45 | 8 28 | 1 52 | 29 27 | 16 52 | 20 52 | 20 45 | 16 26 | | | n.a. |
| F 27 | 22 58 | 10 24 | 5 6 | 21 44 | 2 11 | 11 46 | 0s 4 | 24 38 | 1 9 | 0 44 | 1 29 | 14 36 | 1 38 | 10 30 | 0 45 | 8 28 | 1 52 | 29 26 | 16 52 | 20 52 | 20 46 | 16 29 | | | n.a. |
| S 28 | 22 51 | 16 3 | 5 16 | 22 2 | 1 53 | 11 18 | 0 8 | 24 35 | 1 10 | 0 45 | 1 29 | 14 37 | 1 39 | 10 29 | 0 45 | 8 28 | 1 52 | 29 25 | 16 51 | 20 52 | 20 46 | 16 31 | | | n.a. |
| S 29 | 22 44 | 20 50 | 5 6 | 22 20 | 1 34 | 10 49 | 0 12 | 24 31 | 1 10 | 0 46 | 1 30 | 14 39 | 1 39 | 10 28 | 0 45 | 8 28 | 1 52 | 29 24 | 16 51 | 20 52 | 20 47 | 16 33 | | | n.a. |
| M30 | 22 36 | 24 24 | 4 38 | 22 38 | 1 16 | 10 21 | 0 17 | 24 28 | 1 10 | 0 47 | 1 30 | 14 40 | 1 39 | 10 27 | 0 45 | 8 28 | 1 52 | 29 23 | 16 51 | 20 52 | 20 48 | 16 36 | | | n.a. |
| T 31 | 22n27 | 26n26 | 3n52 | 22n55 | 0s59 | 9n52 | 0s21 | 24n24 | 1n10 | 0n47 | 1s30 | 14n41 | 1s39 | 10n26 | 0n45 | 8s28 | 1n52 | 29n22 | 16n50 | 20s53 | 20s48 | 16s38 | | | n.a. |

Julian Day Number = 1000235.5, Delta T = 12h52m04s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'47, Lahiri = -31°10'46 Julian Calendar 1 July 1975 BCE == Greg. Calendar 14 June 1975 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## AUGUST 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 30 32 | 20♋36'35 | 25♊33 | 3♋12 | 5♍15 | 13♋56 | 5♈23 | 13♉44 | 5♍24 | 25♎54 | 24♌30 | 28°R29 | 28♑47 | 0♏31 | n.a. | W 1 |
| T 2 | 19 34 28 | 21°35'15 | 9♋33 | 3°52 | 6°22 | 14°35 | 5°25 | 13°48 | 5°27 | 25°54 | 24°32 | 28♑28 | 28°44 | 0°37 | n.a. | T 2 |
| F 3 | 19 38 25 | 22°33'57 | 23°18 | 4°41 | 7°28 | 15°14 | 5°26 | 13°53 | 5°30 | 25°54 | 24°34 | 28°D28 | 28°40 | 0°44 | n.a. | F 3 |
| S 4 | 19 42 21 | 23°32'42 | 6♌46 | 5°37 | 8°35 | 15°52 | 5°28 | 13°57 | 5°33 | 25°55 | 24°36 | 28°28 | 28°37 | 0°51 | n.a. | S 4 |
| S 5 | 19 46 18 | 24°31'28 | 19°55 | 6°41 | 9°42 | 16°31 | 5°29 | 14° 2 | 5°37 | 25°55 | 24°38 | 28°28 | 28°34 | 0°58 | n.a. | S 5 |
| M 6 | 19 50 15 | 25°30'16 | 2♍45 | 7°51 | 10°48 | 17°10 | 5°30 | 14° 6 | 5°40 | 25°55 | 24°40 | 28°29 | 28°31 | 1° 4 | n.a. | M 6 |
| T 7 | 19 54 11 | 26°29'06 | 15°17 | 9° 8 | 11°54 | 17°49 | 5°31 | 14°10 | 5°43 | 25°56 | 24°42 | 28°29 | 28°28 | 1°11 | n.a. | T 7 |
| W 8 | 19 58 8 | 27°27'58 | 27°34 | 10°30 | 13° 0 | 18°27 | 5°32 | 14°14 | 5°46 | 25°56 | 24°45 | 28°29 | 28°25 | 1°18 | n.a. | W 8 |
| T 9 | 20 2 4 | 28°26'52 | 9♎39 | 11°57 | 14° 6 | 19° 6 | 5°33 | 14°18 | 5°49 | 25°57 | 24°47 | 28°R29 | 28°21 | 1°25 | n.a. | T 9 |
| F 10 | 20 6 1 | 29°25'48 | 21°35 | 13°28 | 15°11 | 19°45 | 5°33 | 14°22 | 5°52 | 25°57 | 24°49 | 28°29 | 28°18 | 1°31 | n.a. | F 10 |
| S 11 | 20 9 57 | 0♌24'46 | 3♏29 | 15° 3 | 16°17 | 20°24 | 5°R33 | 14°25 | 5°55 | 25°58 | 24°51 | 28°D29 | 28°15 | 1°38 | n.a. | S 11 |
| S 12 | 20 13 54 | 1°23'46 | 15°23 | 16°42 | 17°22 | 21° 3 | 5°33 | 14°29 | 5°59 | 25°58 | 24°53 | 28°29 | 28°12 | 1°45 | n.a. | S 12 |
| M13 | 20 17 50 | 2°22'48 | 27°23 | 18°22 | 18°27 | 21°42 | 5°33 | 14°33 | 6° 2 | 25°59 | 24°56 | 28°30 | 28° 9 | 1°51 | n.a. | M13 |
| T 14 | 20 21 47 | 3°21'52 | 9♐33 | 20° 5 | 19°32 | 22°20 | 5°33 | 14°36 | 6° 5 | 25°59 | 24°58 | 28°30 | 28° 6 | 1°58 | n.a. | T 14 |
| W15 | 20 25 43 | 4°20'58 | 21°57 | 21°50 | 20°36 | 22°59 | 5°32 | 14°39 | 6° 9 | 26° 0 | 25° 0 | 28°31 | 28° 2 | 2° 5 | n.a. | W15 |
| T 16 | 20 29 40 | 5°20'06 | 4♑37 | 23°36 | 21°41 | 23°38 | 5°31 | 14°43 | 6°12 | 26° 1 | 25° 2 | 28°31 | 27°59 | 2°12 | n.a. | T 16 |
| F 17 | 20 33 37 | 6°19'16 | 17°35 | 25°22 | 22°45 | 24°17 | 5°30 | 14°46 | 6°15 | 26° 1 | 25° 5 | 28°32 | 27°56 | 2°18 | n.a. | F 17 |
| S 18 | 20 37 33 | 7°18'28 | 0♒53 | 27°10 | 23°49 | 24°56 | 5°29 | 14°49 | 6°19 | 26° 2 | 25° 7 | 28°R32 | 27°53 | 2°25 | n.a. | S 18 |
| S 19 | 20 41 30 | 8°17'42 | 14°29 | 28°58 | 24°53 | 25°35 | 5°28 | 14°52 | 6°22 | 26° 3 | 25° 9 | 28°32 | 27°50 | 2°32 | n.a. | S 19 |
| M20 | 20 45 26 | 9°16'59 | 28°21 | 0♌46 | 25°56 | 26°14 | 5°26 | 14°55 | 6°26 | 26° 4 | 25°12 | 28°31 | 27°46 | 2°39 | n.a. | M20 |
| T 21 | 20 49 23 | 10°16'18 | 12♓25 | 2°34 | 26°59 | 26°53 | 5°24 | 14°57 | 6°29 | 26° 5 | 25°14 | 28°29 | 27°43 | 2°45 | n.a. | T 21 |
| W22 | 20 53 19 | 11°15'39 | 26°39 | 4°22 | 28° 2 | 27°32 | 5°22 | 15° 0 | 6°33 | 26° 6 | 25°16 | 28°28 | 27°40 | 2°52 | n.a. | W22 |
| T 23 | 20 57 16 | 12°15'02 | 10♈57 | 6° 9 | 29° 5 | 28°11 | 5°20 | 15° 2 | 6°36 | 26° 6 | 25°19 | 28°26 | 27°37 | 2°59 | n.a. | T 23 |
| F 24 | 21 1 12 | 13°14'28 | 25°16 | 7°57 | 0♎ 7 | 28°50 | 5°18 | 15° 5 | 6°40 | 26° 7 | 25°21 | 28°25 | 27°34 | 3° 5 | n.a. | F 24 |
| S 25 | 21 5 9 | 14°13'57 | 9♉31 | 9°43 | 1° 9 | 29°29 | 5°15 | 15° 7 | 6°43 | 26° 8 | 25°23 | 28°D24 | 27°31 | 3°12 | n.a. | S 25 |
| S 26 | 21 9 5 | 15°13'28 | 23°41 | 11°30 | 2°11 | 0♌ 9 | 5°12 | 15° 9 | 6°47 | 26° 9 | 25°26 | 28°24 | 27°27 | 3°19 | n.a. | S 26 |
| M27 | 21 13 2 | 16°13'02 | 7♊44 | 13°15 | 3°12 | 0°48 | 5° 9 | 15°11 | 6°50 | 26°10 | 25°28 | 28°25 | 27°24 | 3°26 | n.a. | M27 |
| T 28 | 21 16 59 | 17°12'38 | 21°37 | 15° 0 | 4°13 | 1°27 | 5° 6 | 15°13 | 6°54 | 26°11 | 25°31 | 28°27 | 27°21 | 3°32 | n.a. | T 28 |
| W29 | 21 20 55 | 18°12'17 | 5♋20 | 16°45 | 5°14 | 2° 6 | 5° 3 | 15°15 | 6°58 | 26°12 | 25°33 | 28°28 | 27°18 | 3°39 | n.a. | W29 |
| T 30 | 21 24 52 | 19°11'58 | 18°52 | 18°28 | 6°14 | 2°45 | 4°59 | 15°17 | 7° 1 | 26°14 | 25°35 | 28°29 | 27°15 | 3°46 | n.a. | T 30 |
| F 31 | 21 28 48 | 20♌11'42 | 2♌12 | 20♌11 | 7♎14 | 3♌25 | 4♈55 | 15♉19 | 7♍ 5 | 26♎15 | 25♌38 | 28°R29 | 27♑12 | 3♏52 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| W 1 | 22n18 | 26n43 | 2n52 | 23n12 | 0s41 | 9n22 | 0s26 | 24n20 | 1n10 | 0n48 | 1s30 | 14n43 | 1s39 | 10n25 | 0n45 | 8s28 | 1n52 | 29n21 | 16n50 | 20s53 | 20s49 | 16s41 | | | n.a. |
| T 2 | 22 9 | 25 17 | 1 43 | 23 27 | 0 25 | 8 53 | 0 31 | 24 16 | 1 10 | 0 49 | 1 31 | 14 44 | 1 39 | 10 24 | 0 45 | 8 28 | 1 52 | 29 20 | 16 50 | 20 53 | 20 50 | 16 43 | | | n.a. |
| F 3 | 21 59 | 22 20 | 0 29 | 23 41 | 0 9 | 8 23 | 0 35 | 24 12 | 1 10 | 0 49 | 1 31 | 14 45 | 1 39 | 10 23 | 0 45 | 8 29 | 1 52 | 29 19 | 16 49 | 20 53 | 20 50 | 16 46 | | | n.a. |
| S 4 | 21 49 | 18 13 | 0s46 | 23 54 | 0n 6 | 7 54 | 0 40 | 24 7 | 1 10 | 0 50 | 1 31 | 14 46 | 1 39 | 10 21 | 0 45 | 8 29 | 1 51 | 29 18 | 16 49 | 20 53 | 20 51 | 16 48 | | | n.a. |
| S 5 | 21 39 | 13 18 | 1 56 | 24 5 | 0 20 | 7 24 | 0 45 | 24 3 | 1 11 | 0 50 | 1 31 | 14 48 | 1 39 | 10 20 | 0 45 | 8 29 | 1 51 | 29 17 | 16 49 | 20 53 | 20 52 | 16 50 | | | n.a. |
| M 6 | 21 28 | 7 56 | 2 59 | 24 14 | 0 33 | 6 54 | 0 50 | 23 58 | 1 11 | 0 50 | 1 31 | 14 49 | 1 39 | 10 19 | 0 45 | 8 29 | 1 51 | 29 16 | 16 49 | 20 53 | 20 52 | 16 53 | | | n.a. |
| T 7 | 21 17 | 2 22 | 3 51 | 24 21 | 0 45 | 6 24 | 0 55 | 23 53 | 1 11 | 0 50 | 1 32 | 14 50 | 1 39 | 10 18 | 0 45 | 8 29 | 1 51 | 29 15 | 16 48 | 20 53 | 20 53 | 16 55 | | | n.a. |
| W 8 | 21 5 | 3s 9 | 4 32 | 24 26 | 0 56 | 5 53 | 1 0 | 23 47 | 1 11 | 0 51 | 1 32 | 14 51 | 1 40 | 10 17 | 0 45 | 8 30 | 1 51 | 29 14 | 16 48 | 20 53 | 20 54 | 16 58 | | | n.a. |
| T 9 | 20 53 | 8 28 | 5 0 | 24 29 | 1 6 | 5 23 | 1 5 | 23 42 | 1 11 | 0 51 | 1 32 | 14 52 | 1 40 | 10 15 | 0 45 | 8 30 | 1 51 | 29 13 | 16 48 | 20 53 | 20 54 | 17 0 | | | n.a. |
| F 10 | 20 41 | 13 25 | 5 15 | 24 28 | 1 15 | 4 53 | 1 10 | 23 36 | 1 11 | 0 50 | 1 32 | 14 53 | 1 40 | 10 14 | 0 45 | 8 30 | 1 51 | 29 12 | 16 48 | 20 53 | 20 55 | 17 2 | | | n.a. |
| S 11 | 20 28 | 17 51 | 5 16 | 24 26 | 1 23 | 4 22 | 1 15 | 23 31 | 1 11 | 0 50 | 1 33 | 14 54 | 1 40 | 10 13 | 0 45 | 8 30 | 1 51 | 29 11 | 16 47 | 20 53 | 20 56 | 17 5 | | | n.a. |
| S 12 | 20 15 | 21 36 | 5 3 | 24 21 | 1 30 | 3 51 | 1 20 | 23 25 | 1 11 | 0 50 | 1 33 | 14 55 | 1 40 | 10 12 | 0 45 | 8 31 | 1 51 | 29 10 | 16 47 | 20 53 | 20 56 | 17 7 | | | n.a. |
| M13 | 20 2 | 24 28 | 4 38 | 24 13 | 1 36 | 3 21 | 1 26 | 23 18 | 1 11 | 0 50 | 1 33 | 14 56 | 1 40 | 10 10 | 0 45 | 8 31 | 1 51 | 29 9 | 16 47 | 20 53 | 20 57 | 17 9 | | | n.a. |
| T 14 | 19 48 | 26 16 | 3 59 | 24 3 | 1 41 | 2 50 | 1 31 | 23 12 | 1 11 | 0 50 | 1 33 | 14 57 | 1 40 | 10 9 | 0 45 | 8 31 | 1 51 | 29 8 | 16 47 | 20 53 | 20 58 | 17 12 | | | n.a. |
| W15 | 19 34 | 26 49 | 3 9 | 23 50 | 1 45 | 2 20 | 1 36 | 23 6 | 1 11 | 0 49 | 1 33 | 14 58 | 1 40 | 10 8 | 0 45 | 8 32 | 1 51 | 29 7 | 16 47 | 20 52 | 20 58 | 17 14 | | | n.a. |
| T 16 | 19 19 | 25 59 | 2 9 | 23 35 | 1 48 | 1 49 | 1 41 | 22 59 | 1 11 | 0 49 | 1 34 | 14 59 | 1 40 | 10 7 | 0 45 | 8 32 | 1 51 | 29 6 | 16 46 | 20 52 | 20 59 | 17 16 | | | n.a. |
| F 17 | 19 4 | 23 44 | 1 0 | 23 18 | 1 50 | 1 18 | 1 47 | 22 52 | 1 12 | 0 48 | 1 34 | 15 0 | 1 40 | 10 5 | 0 45 | 8 32 | 1 51 | 29 5 | 16 46 | 20 52 | 21 0 | 17 19 | | | n.a. |
| S 18 | 18 49 | 20 9 | 0n13 | 22 58 | 1 52 | 0 48 | 1 52 | 22 45 | 1 12 | 0 47 | 1 34 | 15 0 | 1 41 | 10 4 | 0 45 | 8 32 | 1 51 | 29 4 | 16 46 | 20 52 | 21 0 | 17 21 | | | n.a. |
| S 19 | 18 33 | 15 26 | 1 27 | 22 37 | 1 52 | 0 17 | 1 57 | 22 38 | 1 12 | 0 46 | 1 34 | 15 1 | 1 41 | 10 3 | 0 45 | 8 33 | 1 50 | 29 3 | 16 46 | 20 52 | 21 1 | 17 23 | | | n.a. |
| M20 | 18 18 | 9 50 | 2 38 | 22 13 | 1 52 | 0s13 | 2 3 | 22 30 | 1 12 | 0 46 | 1 34 | 15 2 | 1 41 | 10 1 | 0 45 | 8 33 | 1 50 | 29 2 | 16 46 | 20 52 | 21 2 | 17 26 | | | n.a. |
| T 21 | 18 1 | 3 40 | 3 39 | 21 48 | 1 52 | 0 44 | 2 8 | 22 23 | 1 12 | 0 45 | 1 35 | 15 3 | 1 41 | 10 0 | 0 45 | 8 34 | 1 50 | 29 1 | 16 46 | 20 53 | 21 2 | 17 28 | | | n.a. |
| W22 | 17 45 | 2n44 | 4 29 | 21 21 | 1 51 | 1 14 | 2 14 | 22 15 | 1 12 | 0 44 | 1 35 | 15 3 | 1 41 | 9 59 | 0 45 | 8 34 | 1 50 | 29 0 | 16 46 | 20 53 | 21 3 | 17 30 | | | n.a. |
| T 23 | 17 28 | 9 1 | 5 1 | 20 52 | 1 49 | 1 45 | 2 19 | 22 7 | 1 12 | 0 43 | 1 35 | 15 4 | 1 41 | 9 57 | 0 45 | 8 34 | 1 50 | 28 59 | 16 45 | 20 53 | 21 3 | 17 33 | | | n.a. |
| F 24 | 17 11 | 14 50 | 5 15 | 20 22 | 1 47 | 2 15 | 2 24 | 21 59 | 1 12 | 0 42 | 1 35 | 15 5 | 1 41 | 9 56 | 0 45 | 8 35 | 1 50 | 28 58 | 16 45 | 20 54 | 21 4 | 17 35 | | | n.a. |
| S 25 | 16 53 | 19 50 | 5 10 | 19 51 | 1 44 | 2 45 | 2 30 | 21 50 | 1 12 | 0 40 | 1 35 | 15 5 | 1 41 | 9 55 | 0 45 | 8 35 | 1 50 | 28 57 | 16 45 | 20 54 | 21 5 | 17 37 | | | n.a. |
| S 26 | 16 36 | 23 40 | 4 46 | 19 18 | 1 41 | 3 15 | 2 35 | 21 42 | 1 12 | 0 39 | 1 36 | 15 6 | 1 41 | 9 53 | 0 45 | 8 36 | 1 50 | 28 56 | 16 45 | 20 54 | 21 5 | 17 40 | | | n.a. |
| M27 | 16 18 | 26 3 | 4 4 | 18 44 | 1 38 | 3 45 | 2 41 | 21 33 | 1 12 | 0 38 | 1 36 | 15 6 | 1 41 | 9 52 | 0 45 | 8 36 | 1 50 | 28 55 | 16 45 | 20 54 | 21 6 | 17 42 | | | n.a. |
| T 28 | 15 59 | 26 48 | 3 9 | 18 10 | 1 34 | 4 14 | 2 46 | 21 25 | 1 12 | 0 36 | 1 36 | 15 7 | 1 42 | 9 50 | 0 45 | 8 36 | 1 50 | 28 54 | 16 45 | 20 53 | 21 7 | 17 44 | | | n.a. |
| W29 | 15 41 | 25 53 | 2 4 | 17 34 | 1 30 | 4 44 | 2 51 | 21 16 | 1 12 | 0 35 | 1 36 | 15 7 | 1 42 | 9 49 | 0 45 | 8 37 | 1 50 | 28 53 | 16 45 | 20 53 | 21 7 | 17 47 | | | n.a. |
| T 30 | 15 22 | 23 26 | 0 53 | 16 57 | 1 26 | 5 13 | 2 57 | 21 7 | 1 12 | 0 33 | 1 36 | 15 8 | 1 42 | 9 48 | 0 45 | 8 37 | 1 50 | 28 52 | 16 45 | 20 53 | 21 8 | 17 49 | | | n.a. |
| F 31 | 15n 3 | 19n44 | 0s20 | 16n20 | 1n21 | 5s43 | 3s 2 | 20n57 | 1n12 | 0n31 | 1s37 | 15n 8 | 1s42 | 9n46 | 0n45 | 8s38 | 1n50 | 28n51 | 16n45 | 20s53 | 21s 9 | 17s51 | | | n.a. |

Julian Day Number = 1000266.5, Delta T = 12h52m02s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'42, Lahiri = -31°10'42 Julian Calendar 1 Aug. 1975 BCE == Greg. Calendar 15 July 1975 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## SEPTEMBER 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 32 45 | 21♌11'27 | 15♌18 | 21♌54 | 8♎14 | 4♌ 4 | 4°R51 | 15♉20 | 7♍ 9 | 26♎16 | 25♌40 | 28°R28 | 27♏ 8 | 3♏59 | n.a. | S 1 |
| S 2 | 21 36 41 | 22°11'15 | 28°12 | 23°36 | 9°14 | 4°43 | 4♈47 | 15°22 | 7°12 | 26°17 | 25°43 | 28♏26 | 27° 5 | 4° 6 | n.a. | S 2 |
| M 3 | 21 40 38 | 23°11'05 | 10♍51 | 25°17 | 10°12 | 5°22 | 4°43 | 15°23 | 7°16 | 26°18 | 25°45 | 28°23 | 27° 2 | 4°13 | n.a. | M 3 |
| T 4 | 21 44 34 | 24°10'57 | 23°17 | 26°57 | 11°11 | 6° 2 | 4°38 | 15°24 | 7°20 | 26°20 | 25°47 | 28°19 | 26°59 | 4°19 | n.a. | T 4 |
| W 5 | 21 48 31 | 25°10'51 | 5♎31 | 28°37 | 12° 9 | 6°41 | 4°34 | 15°26 | 7°23 | 26°21 | 25°50 | 28°14 | 26°56 | 4°26 | n.a. | W 5 |
| T 6 | 21 52 27 | 26°10'47 | 17°34 | 0♍16 | 13° 7 | 7°21 | 4°29 | 15°27 | 7°27 | 26°22 | 25°52 | 28° 9 | 26°52 | 4°33 | n.a. | T 6 |
| F 7 | 21 56 24 | 27°10'45 | 29°30 | 1°54 | 14° 4 | 8° 0 | 4°24 | 15°27 | 7°31 | 26°24 | 25°55 | 28° 5 | 26°49 | 4°40 | n.a. | F 7 |
| S 8 | 22 0 21 | 28°10'45 | 11♏22 | 3°32 | 15° 1 | 8°39 | 4°19 | 15°28 | 7°35 | 26°25 | 25°57 | 28° 3 | 26°46 | 4°46 | n.a. | S 8 |
| S 9 | 22 4 17 | 29°10'46 | 23°14 | 5° 9 | 15°57 | 9°19 | 4°13 | 15°29 | 7°38 | 26°26 | 25°59 | 28° 1 | 26°43 | 4°53 | n.a. | S 9 |
| M10 | 22 8 14 | 0♍10'50 | 5♐12 | 6°46 | 16°53 | 9°58 | 4° 8 | 15°29 | 7°42 | 26°28 | 26° 2 | 28°D 1 | 26°40 | 5° 0 | n.a. | M10 |
| T 11 | 22 12 10 | 1°10'55 | 17°19 | 8°22 | 17°48 | 10°38 | 4° 2 | 15°30 | 7°46 | 26°29 | 26° 4 | 28° 2 | 26°37 | 5° 6 | n.a. | T 11 |
| W12 | 22 16 7 | 2°11'02 | 29°42 | 9°58 | 18°43 | 11°17 | 3°56 | 15°30 | 7°50 | 26°31 | 26° 7 | 28° 4 | 26°33 | 5°13 | n.a. | W12 |
| T 13 | 22 20 3 | 3°11'11 | 12♑23 | 11°33 | 19°37 | 11°57 | 3°50 | 15°30 | 7°53 | 26°32 | 26° 9 | 28° 6 | 26°30 | 5°20 | n.a. | T 13 |
| F 14 | 22 24 0 | 4°11'22 | 25°28 | 13° 7 | 20°30 | 12°36 | 3°44 | 15°R30 | 7°57 | 26°34 | 26°11 | 28°R 6 | 26°27 | 5°27 | n.a. | F 14 |
| S 15 | 22 27 56 | 5°11'34 | 8♒57 | 14°41 | 21°23 | 13°16 | 3°38 | 15°30 | 8° 1 | 26°35 | 26°14 | 28° 6 | 26°24 | 5°33 | n.a. | S 15 |
| S 16 | 22 31 53 | 6°11'48 | 22°50 | 16°15 | 22°15 | 13°55 | 3°31 | 15°30 | 8° 5 | 26°37 | 26°16 | 28° 4 | 26°21 | 5°40 | n.a. | S 16 |
| M17 | 22 35 49 | 7°12'04 | 7♓ 6 | 17°48 | 23° 7 | 14°35 | 3°25 | 15°30 | 8° 9 | 26°39 | 26°18 | 28° 0 | 26°18 | 5°47 | n.a. | M17 |
| T 18 | 22 39 46 | 8°12'22 | 21°39 | 19°20 | 23°57 | 15°15 | 3°18 | 15°30 | 8°12 | 26°40 | 26°21 | 27°54 | 26°14 | 5°54 | n.a. | T 18 |
| W19 | 22 43 43 | 9°12'42 | 6♈22 | 20°52 | 24°47 | 15°54 | 3°11 | 15°29 | 8°16 | 26°42 | 26°23 | 27°47 | 26°11 | 6° 0 | n.a. | W19 |
| T 20 | 22 47 39 | 10°13'04 | 21° 8 | 22°24 | 25°37 | 16°34 | 3° 4 | 15°29 | 8°20 | 26°44 | 26°26 | 27°41 | 26° 8 | 6° 7 | n.a. | T 20 |
| F 21 | 22 51 36 | 11°13'28 | 5♉49 | 23°55 | 26°25 | 17°14 | 2°57 | 15°28 | 8°24 | 26°45 | 26°28 | 27°35 | 26° 5 | 6°14 | n.a. | F 21 |
| S 22 | 22 55 32 | 12°13'54 | 20°19 | 25°26 | 27°13 | 17°53 | 2°50 | 15°27 | 8°27 | 26°47 | 26°30 | 27°31 | 26° 2 | 6°20 | n.a. | S 22 |
| S 23 | 22 59 29 | 13°14'23 | 4♊34 | 26°57 | 28° 0 | 18°33 | 2°43 | 15°26 | 8°31 | 26°49 | 26°33 | 27°29 | 25°58 | 6°27 | n.a. | S 23 |
| M24 | 23 3 25 | 14°14'53 | 18°31 | 28°27 | 28°45 | 19°13 | 2°35 | 15°25 | 8°35 | 26°51 | 26°35 | 27°D29 | 25°55 | 6°34 | n.a. | M24 |
| T 25 | 23 7 22 | 15°15'26 | 2♋12 | 29°56 | 29°30 | 19°53 | 2°28 | 15°24 | 8°39 | 26°52 | 26°37 | 27°30 | 25°52 | 6°41 | n.a. | T 25 |
| W26 | 23 11 18 | 16°16'01 | 15°36 | 1♎25 | 0♏14 | 20°33 | 2°20 | 15°23 | 8°43 | 26°54 | 26°40 | 27°31 | 25°49 | 6°47 | n.a. | W26 |
| T 27 | 23 15 15 | 17°16'38 | 28°45 | 2°54 | 0°58 | 21°13 | 2°13 | 15°21 | 8°46 | 26°56 | 26°42 | 27°R32 | 25°46 | 6°54 | n.a. | T 27 |
| F 28 | 23 19 12 | 18°17'16 | 11♌42 | 4°22 | 1°40 | 21°52 | 2° 5 | 15°20 | 8°50 | 26°58 | 26°44 | 27°31 | 25°43 | 7° 1 | n.a. | F 28 |
| S 29 | 23 23 8 | 19°17'57 | 24°27 | 5°50 | 2°20 | 22°32 | 1°57 | 15°18 | 8°54 | 27° 0 | 26°46 | 27°27 | 25°39 | 7° 7 | n.a. | S 29 |
| S 30 | 23 27 5 | 20♍18'39 | 7♍ 1 | 7♎17 | 3♏ 0 | 23♌12 | 1♈49 | 15♉17 | 8♍58 | 27♎ 2 | 26♌49 | 27♏21 | 25♏36 | 7♏14 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n43 | 15n 7 | 1s31 | 15n41 | 1n16 | 6s12 | 3s 8 | 20n48 | 1n12 | 0n30 | 1s37 | 15n 8 | 1s42 | 9n45 | 0n45 | 8s38 | 1n50 | 28n50 | 16n45 | 20s53 | 21s 9 | 17s53 | | n.a. |
| S 2 | 14 24 | 9 54 | 2 36 | 15 2 | 1 11 | 6 40 | 3 13 | 20 38 | 1 12 | 0 28 | 1 37 | 15 9 | 1 42 | 9 44 | 0 45 | 8 39 | 1 50 | 28 50 | 16 45 | 20 53 | 21 10 | 17 56 | | n.a. |
| M 3 | 14 4 | 4 23 | 3 32 | 14 23 | 1 6 | 7 9 | 3 18 | 20 29 | 1 12 | 0 26 | 1 37 | 15 9 | 1 42 | 9 42 | 0 44 | 8 39 | 1 49 | 28 49 | 16 45 | 20 54 | 21 10 | 17 58 | | n.a. |
| T 4 | 13 44 | 1s12 | 4 16 | 13 43 | 1 0 | 7 37 | 3 24 | 20 19 | 1 12 | 0 24 | 1 37 | 15 9 | 1 42 | 9 41 | 0 44 | 8 40 | 1 49 | 28 48 | 16 45 | 20 55 | 21 11 | 18 0 | | n.a. |
| W 5 | 13 23 | 6 38 | 4 49 | 13 2 | 0 54 | 8 5 | 3 29 | 20 9 | 1 12 | 0 22 | 1 37 | 15 9 | 1 42 | 9 39 | 0 44 | 8 40 | 1 49 | 28 47 | 16 45 | 20 56 | 21 12 | 18 2 | | n.a. |
| T 6 | 13 3 | 11 44 | 5 7 | 12 21 | 0 48 | 8 33 | 3 34 | 19 58 | 1 12 | 0 20 | 1 37 | 15 10 | 1 43 | 9 38 | 0 44 | 8 41 | 1 49 | 28 46 | 16 45 | 20 57 | 21 12 | 18 5 | | n.a. |
| F 7 | 12 42 | 16 22 | 5 12 | 11 40 | 0 42 | 9 1 | 3 39 | 19 48 | 1 12 | 0 18 | 1 38 | 15 10 | 1 43 | 9 36 | 0 44 | 8 42 | 1 49 | 28 45 | 16 45 | 20 58 | 21 13 | 18 7 | | n.a. |
| S 8 | 12 21 | 20 21 | 5 4 | 10 58 | 0 36 | 9 28 | 3 44 | 19 37 | 1 12 | 0 15 | 1 38 | 15 10 | 1 43 | 9 35 | 0 44 | 8 42 | 1 49 | 28 44 | 16 45 | 20 58 | 21 14 | 18 9 | | n.a. |
| S 9 | 11 59 | 23 31 | 4 43 | 10 16 | 0 30 | 9 55 | 3 49 | 19 27 | 1 12 | 0 13 | 1 38 | 15 10 | 1 43 | 9 34 | 0 44 | 8 43 | 1 49 | 28 43 | 16 45 | 20 59 | 21 14 | 18 11 | | n.a. |
| M10 | 11 38 | 25 41 | 4 9 | 9 34 | 0 24 | 10 21 | 3 54 | 19 16 | 1 12 | 0 11 | 1 38 | 15 10 | 1 43 | 9 32 | 0 44 | 8 43 | 1 49 | 28 43 | 16 45 | 20 59 | 21 15 | 18 14 | | n.a. |
| T 11 | 11 16 | 26 41 | 3 24 | 8 52 | 0 17 | 10 48 | 3 59 | 19 5 | 1 12 | 0 8 | 1 38 | 15 10 | 1 43 | 9 31 | 0 44 | 8 44 | 1 49 | 28 42 | 16 45 | 20 58 | 21 15 | 18 16 | | n.a. |
| W12 | 10 54 | 26 24 | 2 29 | 8 9 | 0 11 | 11 13 | 4 4 | 18 54 | 1 12 | 0 6 | 1 38 | 15 10 | 1 43 | 9 29 | 0 44 | 8 44 | 1 49 | 28 41 | 16 45 | 20 58 | 21 16 | 18 18 | | n.a. |
| T 13 | 10 32 | 24 44 | 1 25 | 7 26 | 0 4 | 11 39 | 4 9 | 18 43 | 1 12 | 0 3 | 1 38 | 15 10 | 1 43 | 9 28 | 0 44 | 8 45 | 1 49 | 28 40 | 16 45 | 20 58 | 21 17 | 18 20 | | n.a. |
| F 14 | 10 10 | 21 43 | 0 14 | 6 43 | 0s 3 | 12 4 | 4 14 | 18 31 | 1 12 | 0 1 | 1 38 | 15 10 | 1 43 | 9 26 | 0 44 | 8 46 | 1 49 | 28 39 | 16 45 | 20 57 | 21 17 | 18 22 | | n.a. |
| S 15 | 9 48 | 17 27 | 0n59 | 6 0 | 0 9 | 12 29 | 4 18 | 18 20 | 1 12 | 0s 2 | 1 39 | 15 10 | 1 44 | 9 25 | 0 44 | 8 46 | 1 49 | 28 39 | 16 45 | 20 58 | 21 18 | 18 25 | | n.a. |
| S 16 | 9 25 | 12 8 | 2 10 | 5 17 | 0 16 | 12 53 | 4 23 | 18 8 | 1 12 | 0 5 | 1 39 | 15 10 | 1 44 | 9 23 | 0 44 | 8 47 | 1 49 | 28 38 | 16 45 | 20 58 | 21 19 | 18 27 | | n.a. |
| M17 | 9 2 | 6 4 | 3 16 | 4 34 | 0 22 | 13 17 | 4 27 | 17 56 | 1 12 | 0 7 | 1 39 | 15 10 | 1 44 | 9 22 | 0 44 | 8 48 | 1 49 | 28 37 | 16 45 | 20 59 | 21 19 | 18 29 | | n.a. |
| T 18 | 8 40 | 0n26 | 4 10 | 3 51 | 0 29 | 13 40 | 4 32 | 17 44 | 1 12 | 0 10 | 1 39 | 15 9 | 1 44 | 9 21 | 0 44 | 8 48 | 1 49 | 28 36 | 16 46 | 21 0 | 21 20 | 18 31 | | n.a. |
| W19 | 8 16 | 6 58 | 4 48 | 3 9 | 0 36 | 14 3 | 4 36 | 17 32 | 1 12 | 0 13 | 1 39 | 15 9 | 1 44 | 9 19 | 0 44 | 8 49 | 1 49 | 28 35 | 16 46 | 21 1 | 21 20 | 18 33 | | n.a. |
| T 20 | 7 53 | 13 7 | 5 7 | 2 26 | 0 42 | 14 26 | 4 40 | 17 20 | 1 12 | 0 16 | 1 39 | 15 9 | 1 44 | 9 18 | 0 44 | 8 50 | 1 49 | 28 35 | 16 46 | 21 3 | 21 21 | 18 36 | | n.a. |
| F 21 | 7 30 | 18 31 | 5 5 | 1 43 | 0 49 | 14 48 | 4 44 | 17 8 | 1 12 | 0 19 | 1 39 | 15 9 | 1 44 | 9 16 | 0 44 | 8 50 | 1 48 | 28 34 | 16 46 | 21 4 | 21 22 | 18 38 | | n.a. |
| S 22 | 7 7 | 22 45 | 4 45 | 1 0 | 0 55 | 15 9 | 4 48 | 16 55 | 1 12 | 0 22 | 1 39 | 15 8 | 1 44 | 9 15 | 0 44 | 8 51 | 1 48 | 28 33 | 16 46 | 21 5 | 21 22 | 18 40 | | n.a. |
| S 23 | 6 43 | 25 31 | 4 7 | 0 18 | 1 2 | 15 30 | 4 52 | 16 43 | 1 12 | 0 25 | 1 39 | 15 8 | 1 44 | 9 13 | 0 44 | 8 52 | 1 48 | 28 33 | 16 46 | 21 5 | 21 23 | 18 42 | | n.a. |
| M24 | 6 19 | 26 39 | 3 15 | 0s24 | 1 8 | 15 50 | 4 56 | 16 30 | 1 12 | 0 28 | 1 39 | 15 7 | 1 44 | 9 12 | 0 44 | 8 52 | 1 48 | 28 32 | 16 46 | 21 5 | 21 23 | 18 44 | | n.a. |
| T 25 | 5 55 | 26 6 | 2 12 | 1 6 | 1 14 | 16 10 | 4 59 | 16 17 | 1 12 | 0 31 | 1 39 | 15 7 | 1 45 | 9 10 | 0 44 | 8 53 | 1 48 | 28 31 | 16 47 | 21 5 | 21 24 | 18 46 | | n.a. |
| W26 | 5 31 | 24 3 | 1 4 | 1 48 | 1 21 | 16 29 | 5 3 | 16 4 | 1 12 | 0 34 | 1 39 | 15 7 | 1 45 | 9 9 | 0 44 | 8 54 | 1 48 | 28 31 | 16 47 | 21 5 | 21 25 | 18 48 | | n.a. |
| T 27 | 5 7 | 20 43 | 0s 7 | 2 30 | 1 27 | 16 48 | 5 6 | 15 51 | 1 12 | 0 37 | 1 39 | 15 6 | 1 45 | 9 8 | 0 44 | 8 54 | 1 48 | 28 30 | 16 47 | 21 5 | 21 25 | 18 51 | | n.a. |
| F 28 | 4 43 | 16 25 | 1 15 | 3 11 | 1 33 | 17 6 | 5 9 | 15 38 | 1 12 | 0 40 | 1 39 | 15 6 | 1 45 | 9 6 | 0 44 | 8 55 | 1 48 | 28 29 | 16 47 | 21 5 | 21 26 | 18 53 | | n.a. |
| S 29 | 4 19 | 11 27 | 2 19 | 3 51 | 1 38 | 17 23 | 5 12 | 15 24 | 1 12 | 0 43 | 1 39 | 15 5 | 1 45 | 9 5 | 0 44 | 8 56 | 1 48 | 28 29 | 16 47 | 21 5 | 21 26 | 18 55 | | n.a. |
| S 30 | 3n55 | 6n 6 | 3s15 | 4s32 | 1s44 | 17s40 | 5s15 | 15n11 | 1n12 | 0s46 | 1s39 | 15n 4 | 1s45 | 9n 3 | 0n44 | 8s57 | 1n48 | 28n28 | 16n48 | 21s 7 | 21s27 | 18s57 | | n.a. |

Julian Day Number = 1000297.5, Delta T = 12h52m00s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'38, Lahiri = -31°10'38 Julian Calendar 1 Sept. 1975 BCE == Greg. Calendar 15 Aug. 1975 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## OCTOBER 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 31 1 | 21♍19'23 | 19♍26 | 8♎43 | 3♏39 | 23♌52 | 1°R41 | 15°R15 | 9♍ 1 | 27♎ 3 | 26♌51 | 27°R13 | 25♑33 | 7♏21 | n.a. | M 1 |
| T 2 | 23 34 58 | 22°20'08 | 1♎41 | 10° 9 | 4°16 | 24°32 | 1♈33 | 15♉13 | 9° 5 | 27° 5 | 26°53 | 27♑ 2 | 25°30 | 7°28 | n.a. | T 2 |
| W 3 | 23 38 54 | 23°20'55 | 13°48 | 11°34 | 4°52 | 25°12 | 1°25 | 15°11 | 9° 9 | 27° 7 | 26°55 | 26°51 | 25°27 | 7°34 | n.a. | W 3 |
| T 4 | 23 42 51 | 24°21'44 | 25°47 | 12°58 | 5°27 | 25°52 | 1°17 | 15° 9 | 9°12 | 27° 9 | 26°58 | 26°40 | 25°23 | 7°41 | n.a. | T 4 |
| F 5 | 23 46 47 | 25°22'33 | 7♏41 | 14°22 | 6° 0 | 26°32 | 1° 9 | 15° 6 | 9°16 | 27°11 | 27° 0 | 26°29 | 25°20 | 7°48 | n.a. | F 5 |
| S 6 | 23 50 44 | 26°23'25 | 19°31 | 15°45 | 6°32 | 27°12 | 1° 1 | 15° 4 | 9°20 | 27°13 | 27° 2 | 26°21 | 25°17 | 7°55 | n.a. | S 6 |
| S 7 | 23 54 40 | 27°24'17 | 1♐22 | 17° 6 | 7° 3 | 27°52 | 0°53 | 15° 2 | 9°23 | 27°15 | 27° 4 | 26°15 | 25°14 | 8° 1 | n.a. | S 7 |
| M 8 | 23 58 37 | 28°25'11 | 13°16 | 18°26 | 7°31 | 28°33 | 0°45 | 14°59 | 9°27 | 27°17 | 27° 6 | 26°11 | 25°11 | 8° 8 | n.a. | M 8 |
| T 9 | 0 2 34 | 29°26'06 | 25°19 | 19°45 | 7°58 | 29°13 | 0°37 | 14°56 | 9°31 | 27°19 | 27° 8 | 26°D10 | 25° 8 | 8°15 | n.a. | T 9 |
| W10 | 0 6 30 | 0♎27'02 | 7♑37 | 21° 3 | 8°24 | 29°53 | 0°28 | 14°54 | 9°34 | 27°22 | 27°10 | 26°10 | 25° 4 | 8°21 | n.a. | W10 |
| T 11 | 0 10 27 | 1°27'59 | 20°13 | 22°18 | 8°48 | 0♍33 | 0°20 | 14°51 | 9°38 | 27°24 | 27°12 | 26°R10 | 25° 1 | 8°28 | n.a. | T 11 |
| F 12 | 0 14 23 | 2°28'57 | 3♒13 | 23°32 | 9° 9 | 1°13 | 0°12 | 14°48 | 9°41 | 27°26 | 27°15 | 26°10 | 24°58 | 8°35 | n.a. | F 12 |
| S 13 | 0 18 20 | 3°29'55 | 16°42 | 24°44 | 9°29 | 1°53 | 0° 4 | 14°45 | 9°45 | 27°28 | 27°17 | 26° 8 | 24°55 | 8°42 | n.a. | S 13 |
| S 14 | 0 22 16 | 4°30'55 | 0♓39 | 25°52 | 9°47 | 2°34 | 29♓56 | 14°42 | 9°49 | 27°30 | 27°19 | 26° 4 | 24°52 | 8°48 | n.a. | S 14 |
| M15 | 0 26 13 | 5°31'56 | 15° 5 | 26°58 | 10° 3 | 3°14 | 29°48 | 14°38 | 9°52 | 27°32 | 27°21 | 25°57 | 24°49 | 8°55 | n.a. | M15 |
| T 16 | 0 30 9 | 6°32'58 | 29°55 | 28° 1 | 10°17 | 3°54 | 29°39 | 14°35 | 9°56 | 27°34 | 27°23 | 25°48 | 24°45 | 9° 2 | n.a. | T 16 |
| W17 | 0 34 6 | 7°34'01 | 15♈ 1 | 28°59 | 10°29 | 4°35 | 29°31 | 14°32 | 9°59 | 27°36 | 27°25 | 25°37 | 24°42 | 9° 8 | n.a. | W17 |
| T 18 | 0 38 3 | 8°35'05 | 0♉12 | 29°53 | 10°38 | 5°15 | 29°23 | 14°28 | 10° 2 | 27°38 | 27°27 | 25°26 | 24°39 | 9°15 | n.a. | T 18 |
| F 19 | 0 41 59 | 9°36'10 | 15°19 | 0♏42 | 10°45 | 5°55 | 29°15 | 14°25 | 10° 6 | 27°41 | 27°28 | 25°16 | 24°36 | 9°22 | n.a. | F 19 |
| S 20 | 0 45 56 | 10°37'17 | 0♊10 | 1°26 | 10°50 | 6°36 | 29° 8 | 14°21 | 10° 9 | 27°43 | 27°30 | 25° 8 | 24°33 | 9°29 | n.a. | S 20 |
| S 21 | 0 49 52 | 11°38'25 | 14°41 | 2° 2 | 10°53 | 7°16 | 29° 0 | 14°17 | 10°13 | 27°45 | 27°32 | 25° 3 | 24°29 | 9°35 | n.a. | S 21 |
| M22 | 0 53 49 | 12°39'34 | 28°47 | 2°32 | 10°R53 | 7°57 | 28°52 | 14°14 | 10°16 | 27°47 | 27°34 | 25° 1 | 24°26 | 9°42 | n.a. | M22 |
| T 23 | 0 57 45 | 13°40'44 | 12♋29 | 2°53 | 10°50 | 8°37 | 28°44 | 14°10 | 10°19 | 27°49 | 27°36 | 25°D 0 | 24°23 | 9°49 | n.a. | T 23 |
| W24 | 1 1 42 | 14°41'56 | 25°47 | 3° 6 | 10°45 | 9°18 | 28°37 | 14° 6 | 10°23 | 27°52 | 27°38 | 25°R 0 | 24°20 | 9°55 | n.a. | W24 |
| T 25 | 1 5 39 | 15°43'08 | 8♌46 | 3°R 9 | 10°38 | 9°58 | 28°29 | 14° 2 | 10°26 | 27°54 | 27°40 | 25° 0 | 24°17 | 10° 2 | n.a. | T 25 |
| F 26 | 1 9 35 | 16°44'22 | 21°28 | 3° 1 | 10°28 | 10°39 | 28°22 | 13°58 | 10°29 | 27°56 | 27°41 | 24°57 | 24°14 | 10° 9 | n.a. | F 26 |
| S 27 | 1 13 32 | 17°45'36 | 3♍57 | 2°42 | 10°16 | 11°19 | 28°14 | 13°53 | 10°32 | 27°58 | 27°43 | 24°52 | 24°10 | 10°16 | n.a. | S 27 |
| S 28 | 1 17 28 | 18°46'51 | 16°16 | 2°11 | 10° 1 | 12° 0 | 28° 7 | 13°49 | 10°36 | 28° 1 | 27°45 | 24°44 | 24° 7 | 10°22 | n.a. | S 28 |
| M29 | 1 21 25 | 19°48'07 | 28°27 | 1°29 | 9°44 | 12°41 | 28° 0 | 13°45 | 10°39 | 28° 3 | 27°46 | 24°32 | 24° 4 | 10°29 | n.a. | M29 |
| T 30 | 1 25 21 | 20°49'24 | 10♎31 | 0°37 | 9°25 | 13°21 | 27°53 | 13°41 | 10°42 | 28° 5 | 27°48 | 24°18 | 24° 1 | 10°36 | n.a. | T 30 |
| W31 | 1 29 18 | 21♎50'42 | 22♎30 | 29♎34 | 9♏ 3 | 14♍ 2 | 27♓46 | 13♉36 | 10♍45 | 28♎ 7 | 27♌50 | 24♑ 3 | 23♑58 | 10♏42 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 3n30 | 0n35 | 4s 1 | 5s11 | 1s49 | 17s56 | 5s17 | 14n57 | 1n12 | 0s49 | 1s39 | 15n 4 | 1s45 | 9n 2 | 0n44 | 8s57 | 1n48 | 28n27 | 16n48 | 21s 8 | 21s28 | 18s59 | | n.a. | |
| T 2 | 3 6 | 4s52 | 4 35 | 5 51 | 1 54 | 18 11 | 5 19 | 14 44 | 1 12 | 0 53 | 1 39 | 15 3 | 1 45 | 9 0 | 0 44 | 8 58 | 1 48 | 28 27 | 16 48 | 21 10 | 21 28 | 19 1 | | n.a. | |
| W 3 | 2 42 | 10 5 | 4 56 | 6 29 | 1 59 | 18 26 | 5 21 | 14 30 | 1 11 | 0 56 | 1 39 | 15 2 | 1 45 | 8 59 | 0 44 | 8 59 | 1 48 | 28 26 | 16 48 | 21 13 | 21 29 | 19 3 | | n.a. | |
| T 4 | 2 17 | 14 51 | 5 4 | 7 7 | 2 4 | 18 40 | 5 23 | 14 16 | 1 11 | 0 59 | 1 39 | 15 2 | 1 45 | 8 58 | 0 44 | 9 0 | 1 48 | 28 26 | 16 49 | 21 15 | 21 29 | 19 5 | | n.a. | |
| F 5 | 1 52 | 19 2 | 4 58 | 7 45 | 2 9 | 18 53 | 5 25 | 14 2 | 1 11 | 1 2 | 1 39 | 15 1 | 1 45 | 8 56 | 0 44 | 9 0 | 1 48 | 28 25 | 16 49 | 21 17 | 21 30 | 19 7 | | n.a. | |
| S 6 | 1 28 | 22 26 | 4 40 | 8 21 | 2 13 | 19 5 | 5 26 | 13 48 | 1 11 | 1 6 | 1 39 | 15 0 | 1 45 | 8 55 | 0 44 | 9 1 | 1 48 | 28 24 | 16 49 | 21 19 | 21 31 | 19 10 | | n.a. | |
| S 7 | 1 3 | 24 55 | 4 9 | 8 57 | 2 17 | 19 16 | 5 27 | 13 34 | 1 11 | 1 9 | 1 39 | 14 59 | 1 46 | 8 53 | 0 44 | 9 2 | 1 48 | 28 24 | 16 49 | 21 20 | 21 31 | 19 12 | | n.a. | |
| M 8 | 0 38 | 26 17 | 3 28 | 9 31 | 2 20 | 19 27 | 5 28 | 13 19 | 1 11 | 1 12 | 1 39 | 14 59 | 1 46 | 8 52 | 0 44 | 9 3 | 1 48 | 28 23 | 16 50 | 21 20 | 21 32 | 19 14 | | n.a. | |
| T 9 | 0 14 | 26 27 | 2 37 | 10 5 | 2 23 | 19 37 | 5 29 | 13 5 | 1 11 | 1 15 | 1 39 | 14 58 | 1 46 | 8 51 | 0 44 | 9 3 | 1 48 | 28 23 | 16 50 | 21 21 | 21 32 | 19 16 | | n.a. | |
| W10 | 0s11 | 25 19 | 1 37 | 10 37 | 2 26 | 19 45 | 5 29 | 12 50 | 1 11 | 1 19 | 1 39 | 14 57 | 1 46 | 8 49 | 0 45 | 9 4 | 1 48 | 28 22 | 16 50 | 21 21 | 21 33 | 19 18 | | n.a. | |
| T 11 | 0 36 | 22 53 | 0 32 | 11 8 | 2 28 | 19 53 | 5 29 | 12 36 | 1 11 | 1 22 | 1 39 | 14 56 | 1 46 | 8 48 | 0 45 | 9 5 | 1 48 | 28 22 | 16 51 | 21 21 | 21 34 | 19 20 | | n.a. | |
| F 12 | 1 0 | 19 13 | 0n37 | 11 38 | 2 30 | 20 0 | 5 28 | 12 21 | 1 11 | 1 25 | 1 38 | 14 55 | 1 46 | 8 47 | 0 45 | 9 6 | 1 48 | 28 21 | 16 51 | 21 21 | 21 34 | 19 22 | | n.a. | |
| S 13 | 1 25 | 14 27 | 1 47 | 12 6 | 2 31 | 20 6 | 5 27 | 12 6 | 1 10 | 1 28 | 1 38 | 14 54 | 1 46 | 8 45 | 0 45 | 9 7 | 1 48 | 28 21 | 16 51 | 21 21 | 21 35 | 19 24 | | n.a. | |
| S 14 | 1 50 | 8 47 | 2 52 | 12 32 | 2 31 | 20 11 | 5 26 | 11 52 | 1 10 | 1 32 | 1 38 | 14 53 | 1 46 | 8 44 | 0 45 | 9 7 | 1 48 | 28 21 | 16 52 | 21 22 | 21 35 | 19 26 | | n.a. | |
| M15 | 2 14 | 2 29 | 3 49 | 12 56 | 2 31 | 20 14 | 5 24 | 11 37 | 1 10 | 1 35 | 1 38 | 14 52 | 1 46 | 8 43 | 0 45 | 9 8 | 1 48 | 28 20 | 16 52 | 21 23 | 21 36 | 19 28 | | n.a. | |
| T 16 | 2 39 | 4n 6 | 4 31 | 13 18 | 2 30 | 20 17 | 5 22 | 11 21 | 1 10 | 1 38 | 1 38 | 14 51 | 1 46 | 8 41 | 0 45 | 9 9 | 1 48 | 28 20 | 16 52 | 21 25 | 21 36 | 19 30 | | n.a. | |
| W17 | 3 4 | 10 34 | 4 56 | 13 38 | 2 28 | 20 18 | 5 20 | 11 6 | 1 10 | 1 41 | 1 38 | 14 50 | 1 46 | 8 40 | 0 45 | 9 10 | 1 47 | 28 19 | 16 53 | 21 27 | 21 37 | 19 32 | | n.a. | |
| T 18 | 3 28 | 16 26 | 5 0 | 13 55 | 2 25 | 20 19 | 5 17 | 10 51 | 1 10 | 1 44 | 1 38 | 14 49 | 1 46 | 8 39 | 0 45 | 9 11 | 1 47 | 28 19 | 16 53 | 21 29 | 21 38 | 19 34 | | n.a. | |
| F 19 | 3 53 | 21 15 | 4 43 | 14 9 | 2 21 | 20 18 | 5 13 | 10 36 | 1 10 | 1 47 | 1 37 | 14 48 | 1 46 | 8 37 | 0 45 | 9 11 | 1 47 | 28 19 | 16 54 | 21 31 | 21 38 | 19 36 | | n.a. | |
| S 20 | 4 17 | 24 37 | 4 7 | 14 20 | 2 17 | 20 16 | 5 10 | 10 20 | 1 9 | 1 50 | 1 37 | 14 47 | 1 46 | 8 36 | 0 45 | 9 12 | 1 47 | 28 18 | 16 54 | 21 32 | 21 39 | 19 38 | | n.a. | |
| S 21 | 4 42 | 26 16 | 3 16 | 14 27 | 2 10 | 20 12 | 5 5 | 10 5 | 1 9 | 1 53 | 1 37 | 14 46 | 1 46 | 8 35 | 0 45 | 9 13 | 1 47 | 28 18 | 16 54 | 21 33 | 21 39 | 19 40 | | n.a. | |
| M22 | 5 6 | 26 9 | 2 14 | 14 31 | 2 3 | 20 8 | 5 0 | 9 49 | 1 9 | 1 56 | 1 37 | 14 44 | 1 46 | 8 33 | 0 45 | 9 14 | 1 47 | 28 18 | 16 55 | 21 34 | 21 40 | 19 42 | | n.a. | |
| T 23 | 5 30 | 24 25 | 1 6 | 14 30 | 1 54 | 20 2 | 4 55 | 9 34 | 1 9 | 1 59 | 1 37 | 14 43 | 1 46 | 8 32 | 0 45 | 9 15 | 1 47 | 28 17 | 16 55 | 21 34 | 21 40 | 19 44 | | n.a. | |
| W24 | 5 54 | 21 21 | 0s 4 | 14 25 | 1 44 | 19 54 | 4 49 | 9 18 | 1 9 | 2 2 | 1 37 | 14 42 | 1 46 | 8 31 | 0 45 | 9 15 | 1 47 | 28 17 | 16 56 | 21 34 | 21 41 | 19 46 | | n.a. | |
| T 25 | 6 18 | 17 16 | 1 12 | 14 15 | 1 32 | 19 45 | 4 42 | 9 2 | 1 9 | 2 5 | 1 36 | 14 41 | 1 46 | 8 30 | 0 45 | 9 16 | 1 47 | 28 17 | 16 56 | 21 34 | 21 42 | 19 48 | | n.a. | |
| F 26 | 6 42 | 12 30 | 2 15 | 14 0 | 1 19 | 19 35 | 4 35 | 8 46 | 1 8 | 2 8 | 1 36 | 14 40 | 1 46 | 8 28 | 0 45 | 9 17 | 1 47 | 28 16 | 16 56 | 21 34 | 21 42 | 19 50 | | n.a. | |
| S 27 | 7 6 | 7 19 | 3 10 | 13 39 | 1 4 | 19 24 | 4 27 | 8 31 | 1 8 | 2 11 | 1 36 | 14 38 | 1 46 | 8 27 | 0 45 | 9 18 | 1 47 | 28 16 | 16 57 | 21 35 | 21 43 | 19 52 | | n.a. | |
| S 28 | 7 30 | 1 55 | 3 55 | 13 13 | 0 48 | 19 11 | 4 18 | 8 15 | 1 8 | 2 13 | 1 36 | 14 37 | 1 46 | 8 26 | 0 45 | 9 19 | 1 47 | 28 16 | 16 57 | 21 37 | 21 43 | 19 54 | | n.a. | |
| M29 | 7 54 | 3s28 | 4 29 | 12 42 | 0 30 | 18 57 | 4 9 | 7 59 | 1 8 | 2 16 | 1 36 | 14 36 | 1 46 | 8 25 | 0 45 | 9 20 | 1 47 | 28 16 | 16 58 | 21 39 | 21 44 | 19 56 | | n.a. | |
| T 30 | 8 17 | 8 41 | 4 50 | 12 5 | 0 11 | 18 41 | 3 59 | 7 42 | 1 8 | 2 19 | 1 35 | 14 34 | 1 46 | 8 24 | 0 45 | 9 20 | 1 47 | 28 16 | 16 58 | 21 41 | 21 44 | 19 58 | | n.a. | |
| W31 | 8s41 | 13s32 | 4s59 | 11s24 | 0n 9 | 18s24 | 3s49 | 7n26 | 1n 7 | 2s21 | 1s35 | 14n33 | 1s46 | 8n22 | 0n45 | 9s21 | 1n47 | 28n15 | 16n59 | 21s44 | 21s45 | 20s 0 | | n.a. | |

Julian Day Number = 1000327.5, Delta T = 12h51m58s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'34, Lahiri = -31°10'34 Julian Calendar 1 Oct. 1975 BCE == Greg. Calendar 14 Sept. 1975 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## NOVEMBER 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 33 14 | 22♎52'00 | 4♏25 | 28°R23 | 8°R39 | 14♍43 | 27°R39 | 13°R32 | 10♍48 | 28♎10 | 27♌51 | 23°R48 | 23♂54 | 10♏49 | n.a. | T 1 |
| F 2 | 1 37 11 | 23°53'18 | 16°17 | 27♎ 5 | 8♏13 | 15°23 | 27♓33 | 13♉27 | 10°51 | 28°12 | 27°53 | 23♂34 | 23°51 | 10°56 | n.a. | F 2 |
| S 3 | 1 41 8 | 24°54'37 | 28° 7 | 25°43 | 7°45 | 16° 4 | 27°26 | 13°23 | 10°54 | 28°14 | 27°54 | 23°21 | 23°48 | 11° 3 | n.a. | S 3 |
| S 4 | 1 45 4 | 25°55'56 | 9♐58 | 24°21 | 7°15 | 16°45 | 27°20 | 13°18 | 10°57 | 28°16 | 27°56 | 23°12 | 23°45 | 11° 9 | n.a. | S 4 |
| M 5 | 1 49 1 | 26°57'16 | 21°52 | 23° 0 | 6°44 | 17°26 | 27°14 | 13°13 | 11° 0 | 28°19 | 27°57 | 23° 6 | 23°42 | 11°16 | n.a. | M 5 |
| T 6 | 1 52 57 | 27°58'35 | 3♑54 | 21°43 | 6°11 | 18° 6 | 27° 8 | 13° 9 | 11° 3 | 28°21 | 27°59 | 23° 3 | 23°39 | 11°23 | n.a. | T 6 |
| W 7 | 1 56 54 | 28°59'55 | 16° 8 | 20°33 | 5°37 | 18°47 | 27° 2 | 13° 4 | 11° 6 | 28°23 | 28° 0 | 23° 2 | 23°35 | 11°30 | n.a. | W 7 |
| T 8 | 2 0 50 | 0♏ 1'14 | 28°39 | 19°31 | 5° 2 | 19°28 | 26°56 | 12°59 | 11° 9 | 28°26 | 28° 2 | 23° 2 | 23°32 | 11°36 | n.a. | T 8 |
| F 9 | 2 4 47 | 1° 2'34 | 11♒32 | 18°39 | 4°26 | 20° 9 | 26°51 | 12°54 | 11°11 | 28°28 | 28° 3 | 23° 1 | 23°29 | 11°43 | n.a. | F 9 |
| S 10 | 2 8 44 | 2° 3'53 | 24°51 | 17°57 | 3°50 | 20°50 | 26°45 | 12°49 | 11°14 | 28°30 | 28° 4 | 23° 0 | 23°26 | 11°50 | n.a. | S 10 |
| S 11 | 2 12 40 | 3° 5'12 | 8♓40 | 17°26 | 3°13 | 21°31 | 26°40 | 12°45 | 11°17 | 28°32 | 28° 6 | 22°56 | 23°23 | 11°56 | n.a. | S 11 |
| M12 | 2 16 37 | 4° 6'31 | 23° 0 | 17° 6 | 2°36 | 22°12 | 26°35 | 12°40 | 11°19 | 28°35 | 28° 7 | 22°49 | 23°20 | 12° 3 | n.a. | M12 |
| T 13 | 2 20 33 | 5° 7'50 | 7♈48 | 16°56 | 2° 0 | 22°53 | 26°30 | 12°35 | 11°22 | 28°37 | 28° 8 | 22°40 | 23°16 | 12°10 | n.a. | T 13 |
| W14 | 2 24 30 | 6° 9'09 | 22°57 | 16°D55 | 1°24 | 23°34 | 26°25 | 12°30 | 11°25 | 28°39 | 28° 9 | 22°29 | 23°13 | 12°17 | n.a. | W14 |
| T 15 | 2 28 26 | 7°10'27 | 8♉19 | 17° 4 | 0°49 | 24°15 | 26°21 | 12°25 | 11°27 | 28°41 | 28°11 | 22°17 | 23°10 | 12°23 | n.a. | T 15 |
| F 16 | 2 32 23 | 8°11'46 | 23°40 | 17°21 | 0°14 | 24°56 | 26°16 | 12°20 | 11°30 | 28°44 | 28°12 | 22° 7 | 23° 7 | 12°30 | n.a. | F 16 |
| S 17 | 2 36 19 | 9°13'04 | 8♊50 | 17°46 | 29♎42 | 25°37 | 26°12 | 12°15 | 11°32 | 28°46 | 28°13 | 21°59 | 23° 4 | 12°37 | n.a. | S 17 |
| S 18 | 2 40 16 | 10°14'23 | 23°38 | 18°18 | 29°10 | 26°18 | 26° 8 | 12°10 | 11°35 | 28°48 | 28°14 | 21°53 | 23° 0 | 12°43 | n.a. | S 18 |
| M19 | 2 44 13 | 11°15'42 | 8♋ 0 | 18°55 | 28°40 | 26°59 | 26° 4 | 12° 5 | 11°37 | 28°50 | 28°15 | 21°50 | 22°57 | 12°50 | n.a. | M19 |
| T 20 | 2 48 9 | 12°17'00 | 21°53 | 19°39 | 28°12 | 27°40 | 26° 1 | 12° 0 | 11°39 | 28°53 | 28°16 | 21°D50 | 22°54 | 12°57 | n.a. | T 20 |
| W21 | 2 52 6 | 13°18'19 | 5♌18 | 20°27 | 27°46 | 28°21 | 25°57 | 11°55 | 11°42 | 28°55 | 28°17 | 21°50 | 22°51 | 13° 4 | n.a. | W21 |
| T 22 | 2 56 2 | 14°19'38 | 18°19 | 21°19 | 27°23 | 29° 3 | 25°54 | 11°50 | 11°44 | 28°57 | 28°18 | 21°R50 | 22°48 | 13°10 | n.a. | T 22 |
| F 23 | 2 59 59 | 15°20'56 | 0♍58 | 22°16 | 27° 1 | 29°44 | 25°51 | 11°45 | 11°46 | 28°59 | 28°19 | 21°49 | 22°45 | 13°17 | n.a. | F 23 |
| S 24 | 3 3 55 | 16°22'14 | 13°21 | 23°16 | 26°42 | 0♎25 | 25°48 | 11°40 | 11°48 | 29° 1 | 28°20 | 21°45 | 22°41 | 13°24 | n.a. | S 24 |
| S 25 | 3 7 52 | 17°23'32 | 25°32 | 24°19 | 26°25 | 1° 6 | 25°46 | 11°35 | 11°50 | 29° 4 | 28°21 | 21°39 | 22°38 | 13°30 | n.a. | S 25 |
| M26 | 3 11 49 | 18°24'50 | 7♎34 | 25°24 | 26°10 | 1°47 | 25°43 | 11°30 | 11°52 | 29° 6 | 28°21 | 21°30 | 22°35 | 13°37 | n.a. | M26 |
| T 27 | 3 15 45 | 19°26'07 | 19°31 | 26°33 | 25°58 | 2°29 | 25°41 | 11°25 | 11°54 | 29° 8 | 28°22 | 21°19 | 22°32 | 13°44 | n.a. | T 27 |
| W28 | 3 19 42 | 20°27'24 | 1♏24 | 27°43 | 25°49 | 3°10 | 25°39 | 11°20 | 11°56 | 29°10 | 28°23 | 21° 7 | 22°29 | 13°51 | n.a. | W28 |
| T 29 | 3 23 38 | 21°28'41 | 13°15 | 28°55 | 25°42 | 3°51 | 25°37 | 11°15 | 11°58 | 29°12 | 28°24 | 20°54 | 22°26 | 13°57 | n.a. | T 29 |
| F 30 | 3 27 35 | 22♏29'57 | 25♏ 7 | 0♏10 | 25♎38 | 4♎33 | 25♓35 | 11♉11 | 12♍ 0 | 29♎14 | 28♌24 | 20♂42 | 22♂22 | 14♏ 4 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s 4 | 17s51 | 4s54 | 10s39 | 0n30 | 18s 6 | 3s38 | 7n10 | 1n 7 | 2s24 | 1s35 | 14n32 | 1s46 | 8n21 | 0n45 | 9s22 | 1n47 | 28n15 | 16n59 | 21s47 | 21s46 | 20s 2 | | n.a. |
| F 2 | 9 27 | 21 26 | 4 36 | 9 52 | 0 50 | 17 46 | 3 26 | 6 54 | 1 7 | 2 26 | 1 35 | 14 30 | 1 46 | 8 20 | 0 45 | 9 23 | 1 47 | 28 15 | 17 0 | 21 49 | 21 46 | 20 4 | | n.a. |
| S 3 | 9 50 | 24 8 | 4 7 | 9 3 | 1 10 | 17 26 | 3 14 | 6 37 | 1 7 | 2 28 | 1 34 | 14 29 | 1 46 | 8 19 | 0 45 | 9 24 | 1 47 | 28 15 | 17 0 | 21 51 | 21 47 | 20 6 | | n.a. |
| S 4 | 10 13 | 25 47 | 3 26 | 8 15 | 1 29 | 17 4 | 3 2 | 6 21 | 1 6 | 2 31 | 1 34 | 14 28 | 1 46 | 8 18 | 0 45 | 9 25 | 1 47 | 28 15 | 17 1 | 21 53 | 21 47 | 20 8 | | n.a. |
| M 5 | 10 35 | 26 16 | 2 37 | 7 28 | 1 47 | 16 41 | 2 48 | 6 5 | 1 6 | 2 33 | 1 34 | 14 26 | 1 46 | 8 17 | 0 45 | 9 25 | 1 47 | 28 15 | 17 1 | 21 54 | 21 48 | 20 10 | | n.a. |
| T 6 | 10 58 | 25 31 | 1 39 | 6 44 | 2 3 | 16 17 | 2 35 | 5 48 | 1 6 | 2 35 | 1 33 | 14 25 | 1 46 | 8 16 | 0 45 | 9 26 | 1 47 | 28 15 | 17 1 | 21 55 | 21 48 | 20 12 | | n.a. |
| W 7 | 11 20 | 23 32 | 0 36 | 6 4 | 2 17 | 15 52 | 2 21 | 5 32 | 1 6 | 2 37 | 1 33 | 14 23 | 1 46 | 8 15 | 0 45 | 9 27 | 1 47 | 28 14 | 17 2 | 21 55 | 21 49 | 20 14 | | n.a. |
| T 8 | 11 42 | 20 22 | 0n30 | 5 30 | 2 29 | 15 26 | 2 6 | 5 15 | 1 6 | 2 39 | 1 33 | 14 22 | 1 46 | 8 13 | 0 45 | 9 28 | 1 47 | 28 14 | 17 3 | 21 55 | 21 49 | 20 15 | | n.a. |
| F 9 | 12 4 | 16 8 | 1 36 | 5 1 | 2 39 | 15 0 | 1 51 | 4 58 | 1 5 | 2 41 | 1 33 | 14 21 | 1 46 | 8 12 | 0 45 | 9 29 | 1 47 | 28 14 | 17 3 | 21 55 | 21 50 | 20 17 | | n.a. |
| S 10 | 12 26 | 11 0 | 2 40 | 4 38 | 2 46 | 14 33 | 1 36 | 4 42 | 1 5 | 2 43 | 1 32 | 14 19 | 1 46 | 8 11 | 0 45 | 9 30 | 1 47 | 28 14 | 17 4 | 21 55 | 21 51 | 20 19 | | n.a. |
| S 11 | 12 47 | 5 9 | 3 36 | 4 21 | 2 51 | 14 6 | 1 21 | 4 25 | 1 5 | 2 45 | 1 32 | 14 18 | 1 46 | 8 10 | 0 45 | 9 30 | 1 47 | 28 14 | 17 4 | 21 56 | 21 51 | 20 21 | | n.a. |
| M12 | 13 9 | 1n 9 | 4 22 | 4 10 | 2 55 | 13 38 | 1 5 | 4 8 | 1 4 | 2 47 | 1 32 | 14 16 | 1 46 | 8 9 | 0 45 | 9 31 | 1 47 | 28 14 | 17 5 | 21 57 | 21 52 | 20 23 | | n.a. |
| T 13 | 13 30 | 7 35 | 4 51 | 4 4 | 2 57 | 13 11 | 0 50 | 3 52 | 1 4 | 2 49 | 1 31 | 14 15 | 1 46 | 8 8 | 0 45 | 9 32 | 1 47 | 28 14 | 17 5 | 21 58 | 21 52 | 20 25 | | n.a. |
| W14 | 13 50 | 13 44 | 5 1 | 4 4 | 2 57 | 12 44 | 0 34 | 3 35 | 1 4 | 2 50 | 1 31 | 14 13 | 1 46 | 8 7 | 0 45 | 9 33 | 1 47 | 28 14 | 17 6 | 22 0 | 21 53 | 20 27 | | n.a. |
| T 15 | 14 11 | 19 6 | 4 49 | 4 8 | 2 56 | 12 17 | 0 19 | 3 18 | 1 4 | 2 52 | 1 31 | 14 12 | 1 46 | 8 6 | 0 45 | 9 34 | 1 47 | 28 14 | 17 6 | 22 2 | 21 53 | 20 29 | | n.a. |
| F 16 | 14 31 | 23 12 | 4 17 | 4 17 | 2 53 | 11 50 | 0 3 | 3 1 | 1 3 | 2 53 | 1 30 | 14 10 | 1 46 | 8 5 | 0 45 | 9 34 | 1 47 | 28 15 | 17 7 | 22 4 | 21 54 | 20 30 | | n.a. |
| S 17 | 14 51 | 25 37 | 3 27 | 4 30 | 2 50 | 11 24 | 0n12 | 2 44 | 1 3 | 2 55 | 1 30 | 14 9 | 1 46 | 8 5 | 0 45 | 9 35 | 1 47 | 28 15 | 17 7 | 22 5 | 21 54 | 20 32 | | n.a. |
| S 18 | 15 11 | 26 9 | 2 23 | 4 46 | 2 46 | 10 59 | 0 27 | 2 27 | 1 3 | 2 56 | 1 30 | 14 8 | 1 45 | 8 4 | 0 45 | 9 36 | 1 47 | 28 15 | 17 8 | 22 6 | 21 55 | 20 34 | | n.a. |
| M19 | 15 31 | 24 53 | 1 13 | 5 5 | 2 41 | 10 34 | 0 42 | 2 10 | 1 2 | 2 57 | 1 30 | 14 6 | 1 45 | 8 3 | 0 45 | 9 37 | 1 47 | 28 15 | 17 8 | 22 7 | 21 55 | 20 36 | | n.a. |
| T 20 | 15 50 | 22 6 | 0s 0 | 5 26 | 2 36 | 10 11 | 0 56 | 1 53 | 1 2 | 2 59 | 1 29 | 14 5 | 1 45 | 8 2 | 0 45 | 9 38 | 1 47 | 28 15 | 17 9 | 22 7 | 21 56 | 20 38 | | n.a. |
| W21 | 16 9 | 18 11 | 1 11 | 5 50 | 2 30 | 9 48 | 1 10 | 1 36 | 1 2 | 3 0 | 1 29 | 14 3 | 1 45 | 8 1 | 0 45 | 9 38 | 1 47 | 28 15 | 17 9 | 22 7 | 21 57 | 20 40 | | n.a. |
| T 22 | 16 28 | 13 30 | 2 16 | 6 16 | 2 23 | 9 27 | 1 24 | 1 19 | 1 1 | 3 1 | 1 29 | 14 2 | 1 45 | 8 0 | 0 46 | 9 39 | 1 47 | 28 15 | 17 10 | 22 7 | 21 57 | 20 42 | | n.a. |
| F 23 | 16 46 | 8 22 | 3 12 | 6 44 | 2 16 | 9 7 | 1 37 | 1 2 | 1 1 | 3 2 | 1 28 | 14 0 | 1 45 | 7 59 | 0 46 | 9 40 | 1 47 | 28 15 | 17 11 | 22 7 | 21 58 | 20 43 | | n.a. |
| S 24 | 17 4 | 3 1 | 3 58 | 7 13 | 2 9 | 8 48 | 1 50 | 0 45 | 1 1 | 3 2 | 1 28 | 13 59 | 1 45 | 7 59 | 0 46 | 9 41 | 1 47 | 28 16 | 17 11 | 22 7 | 21 58 | 20 45 | | n.a. |
| S 25 | 17 22 | 2s21 | 4 32 | 7 44 | 2 2 | 8 30 | 2 2 | 0 28 | 1 0 | 3 3 | 1 28 | 13 57 | 1 45 | 7 58 | 0 46 | 9 42 | 1 47 | 28 16 | 17 12 | 22 8 | 21 59 | 20 47 | | n.a. |
| M26 | 17 39 | 7 33 | 4 54 | 8 15 | 1 54 | 8 14 | 2 14 | 0 11 | 1 0 | 3 4 | 1 27 | 13 56 | 1 45 | 7 57 | 0 46 | 9 42 | 1 47 | 28 16 | 17 12 | 22 10 | 21 59 | 20 49 | | n.a. |
| T 27 | 17 56 | 12 26 | 5 3 | 8 47 | 1 47 | 7 59 | 2 25 | 0s 6 | 1 0 | 3 4 | 1 27 | 13 54 | 1 45 | 7 56 | 0 46 | 9 43 | 1 47 | 28 16 | 17 13 | 22 12 | 22 0 | 20 51 | | n.a. |
| W28 | 18 13 | 16 50 | 4 58 | 9 20 | 1 39 | 7 46 | 2 36 | 0 23 | 0 59 | 3 5 | 1 27 | 13 53 | 1 44 | 7 56 | 0 46 | 9 44 | 1 47 | 28 17 | 17 14 | 22 14 | 22 0 | 20 52 | | n.a. |
| T 29 | 18 30 | 20 35 | 4 41 | 9 54 | 1 31 | 7 34 | 2 46 | 0 40 | 0 59 | 3 5 | 1 26 | 13 52 | 1 44 | 7 55 | 0 46 | 9 45 | 1 47 | 28 17 | 17 14 | 22 16 | 22 1 | 20 54 | | n.a. |
| F 30 | 18s46 | 23s29 | 4s11 | 10s28 | 1n23 | 7s23 | 2n55 | 0s57 | 0n58 | 3s 6 | 1s26 | 13n50 | 1s44 | 7n54 | 0n46 | 9s45 | 1n47 | 28n17 | 17n15 | 22s17 | 22s 1 | 20s56 | | n.a. |

Julian Day Number = 1000358.5, Delta T = 12h51m55s
Ecliptic obliquity = 23°55'22, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'30, Lahiri = -31°10'29 Julian Calendar 1 Nov. 1975 BCE == Greg. Calendar 15 Oct. 1975 BCE


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# ASTRODIENST EPHEMERIS for the year 1975 BCE
# geocentric

## DECEMBER 1975 BCE (-1974) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 31 31 | 23♏31'12 | 7♐ 0 | 1♏26 | 25°D36 | 5♎14 | 25°R34 | 11°R 6 | 12♍ 2 | 29♎17 | 28♌25 | 20°R32 | 22♑19 | 14♏11 | n.a. | S 1 |
| S 2 | 3 35 28 | 24°32'27 | 18°55 | 2°43 | 25♎36 | 5°56 | 25♓33 | 11♉ 1 | 12° 4 | 29°19 | 28°26 | 20♑25 | 22°16 | 14°17 | n.a. | S 2 |
| M 3 | 3 39 24 | 25°33'40 | 0♑56 | 4° 2 | 25°39 | 6°37 | 25°32 | 10°56 | 12° 5 | 29°21 | 28°26 | 20°20 | 22°13 | 14°24 | n.a. | M 3 |
| T 4 | 3 43 21 | 26°34'53 | 13° 4 | 5°22 | 25°44 | 7°18 | 25°31 | 10°51 | 12° 7 | 29°23 | 28°27 | 20°18 | 22°10 | 14°31 | n.a. | T 4 |
| W 5 | 3 47 18 | 27°36'05 | 25°22 | 6°43 | 25°52 | 8° 0 | 25°31 | 10°47 | 12° 8 | 29°25 | 28°27 | 20°D18 | 22° 6 | 14°38 | n.a. | W 5 |
| T 6 | 3 51 14 | 28°37'15 | 7♒55 | 8° 5 | 26° 2 | 8°41 | 25°30 | 10°42 | 12°10 | 29°27 | 28°28 | 20°19 | 22° 3 | 14°44 | n.a. | T 6 |
| F 7 | 3 55 11 | 29°38'24 | 20°45 | 9°28 | 26°14 | 9°23 | 25°D30 | 10°38 | 12°12 | 29°29 | 28°28 | 20°20 | 22° 0 | 14°51 | n.a. | F 7 |
| S 8 | 3 59 7 | 0♐39'32 | 3♓58 | 10°52 | 26°28 | 10° 4 | 25°30 | 10°33 | 12°13 | 29°31 | 28°28 | 20°R20 | 21°57 | 14°58 | n.a. | S 8 |
| S 9 | 4 3 4 | 1°40'39 | 17°36 | 12°17 | 26°44 | 10°46 | 25°30 | 10°29 | 12°14 | 29°33 | 28°29 | 20°19 | 21°54 | 15° 4 | n.a. | S 9 |
| M10 | 4 7 0 | 2°41'44 | 1♈42 | 13°43 | 27° 2 | 11°27 | 25°31 | 10°24 | 12°16 | 29°35 | 28°29 | 20°16 | 21°51 | 15°11 | n.a. | M10 |
| T 11 | 4 10 57 | 3°42'48 | 16°13 | 15° 9 | 27°23 | 12° 9 | 25°31 | 10°20 | 12°17 | 29°37 | 28°29 | 20°10 | 21°47 | 15°18 | n.a. | T 11 |
| W12 | 4 14 54 | 4°43'51 | 1♉ 8 | 16°37 | 27°45 | 12°51 | 25°32 | 10°15 | 12°18 | 29°39 | 28°29 | 20° 4 | 21°44 | 15°25 | n.a. | W12 |
| T 13 | 4 18 50 | 5°44'52 | 16°18 | 18° 5 | 28° 9 | 13°32 | 25°33 | 10°11 | 12°19 | 29°41 | 28°30 | 19°57 | 21°41 | 15°31 | n.a. | T 13 |
| F 14 | 4 22 47 | 6°45'53 | 1♊33 | 19°34 | 28°35 | 14°14 | 25°35 | 10° 7 | 12°21 | 29°43 | 28°30 | 19°50 | 21°38 | 15°38 | n.a. | F 14 |
| S 15 | 4 26 43 | 7°46'52 | 16°43 | 21° 4 | 29° 2 | 14°56 | 25°36 | 10° 3 | 12°22 | 29°45 | 28°30 | 19°45 | 21°35 | 15°45 | n.a. | S 15 |
| S 16 | 4 30 40 | 8°47'49 | 1♋38 | 22°34 | 29°31 | 15°37 | 25°38 | 9°59 | 12°23 | 29°47 | 28°30 | 19°41 | 21°32 | 15°51 | n.a. | S 16 |
| M17 | 4 34 36 | 9°48'46 | 16°10 | 24° 5 | 0♏ 2 | 16°19 | 25°40 | 9°55 | 12°24 | 29°48 | 28°30 | 19°D40 | 21°28 | 15°58 | n.a. | M17 |
| T 18 | 4 38 33 | 10°49'41 | 0♌16 | 25°37 | 0°34 | 17° 1 | 25°42 | 9°51 | 12°25 | 29°50 | 28°R30 | 19°40 | 21°25 | 16° 5 | n.a. | T 18 |
| W19 | 4 42 30 | 11°50'36 | 13°52 | 27° 9 | 1° 8 | 17°42 | 25°44 | 9°47 | 12°25 | 29°52 | 28°30 | 19°42 | 21°22 | 16°12 | n.a. | W19 |
| T 20 | 4 46 26 | 12°51'29 | 27° 2 | 28°43 | 1°43 | 18°24 | 25°46 | 9°43 | 12°26 | 29°54 | 28°30 | 19°43 | 21°19 | 16°18 | n.a. | T 20 |
| F 21 | 4 50 23 | 13°52'21 | 9♍47 | 0♐17 | 2°20 | 19° 6 | 25°49 | 9°40 | 12°27 | 29°56 | 28°30 | 19°R44 | 21°16 | 16°25 | n.a. | F 21 |
| S 22 | 4 54 19 | 14°53'12 | 22°13 | 1°52 | 2°58 | 19°48 | 25°52 | 9°36 | 12°28 | 29°57 | 28°30 | 19°44 | 21°12 | 16°32 | n.a. | S 22 |
| S 23 | 4 58 16 | 15°54'01 | 4♎24 | 3°27 | 3°37 | 20°30 | 25°55 | 9°32 | 12°28 | 29°59 | 28°30 | 19°42 | 21° 9 | 16°38 | n.a. | S 23 |
| M24 | 5 2 12 | 16°54'50 | 16°24 | 5° 3 | 4°17 | 21°11 | 25°58 | 9°29 | 12°29 | 0♏ 1 | 28°30 | 19°39 | 21° 6 | 16°45 | n.a. | M24 |
| T 25 | 5 6 9 | 17°55'37 | 28°17 | 6°40 | 4°58 | 21°53 | 26° 2 | 9°26 | 12°29 | 0° 2 | 28°29 | 19°34 | 21° 3 | 16°52 | n.a. | T 25 |
| W26 | 5 10 5 | 18°56'23 | 10♏ 8 | 8°18 | 5°41 | 22°35 | 26° 5 | 9°22 | 12°30 | 0° 4 | 28°29 | 19°29 | 21° 0 | 16°59 | n.a. | W26 |
| T 27 | 5 14 2 | 19°57'07 | 21°58 | 9°57 | 6°25 | 23°17 | 26° 9 | 9°19 | 12°30 | 0° 6 | 28°29 | 19°23 | 20°57 | 17° 5 | n.a. | T 27 |
| F 28 | 5 17 59 | 20°57'50 | 3♐52 | 11°36 | 7° 9 | 23°59 | 26°13 | 9°16 | 12°31 | 0° 7 | 28°28 | 19°18 | 20°53 | 17°12 | n.a. | F 28 |
| S 29 | 5 21 55 | 21°58'31 | 15°50 | 13°16 | 7°55 | 24°41 | 26°17 | 9°13 | 12°31 | 0° 9 | 28°28 | 19°13 | 20°50 | 17°19 | n.a. | S 29 |
| S 30 | 5 25 52 | 22°59'11 | 27°54 | 14°57 | 8°41 | 25°23 | 26°22 | 9°10 | 12°31 | 0°11 | 28°28 | 19°10 | 20°47 | 17°25 | n.a. | S 30 |
| M31 | 5 29 48 | 23♐59'49 | 10♑ 6 | 16♐39 | 9♏29 | 26♎ 5 | 26♓26 | 9♉ 7 | 12♍31 | 0♏12 | 28♌27 | 19♑ 9 | 20♑44 | 17♏32 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 19s 2 | 25s22 | 3s30 | 11s 2 | 1n15 | 7s14 | 3n 4 | 1s14 | 0n58 | 3s 6 | 1s25 | 13n49 | 1s44 | 7n53 | 0n46 | 9s46 | 1n47 | 28n17 | 17n15 | 22s19 | 22s 2 | 20s58 | | n.a. |
| S 2 | 19 17 | 26 6 | 2 40 | 11 37 | 1 7 | 7 6 | 3 13 | 1 31 | 0 58 | 3 6 | 1 25 | 13 47 | 1 44 | 7 53 | 0 46 | 9 47 | 1 47 | 28 18 | 17 16 | 22 20 | 22 2 | 20 59 | | n.a. |
| M 3 | 19 32 | 25 37 | 1 42 | 12 12 | 0 59 | 7 0 | 3 21 | 1 48 | 0 57 | 3 6 | 1 25 | 13 46 | 1 44 | 7 52 | 0 46 | 9 48 | 1 47 | 28 18 | 17 16 | 22 21 | 22 3 | 21 1 | | n.a. |
| T 4 | 19 47 | 23 55 | 0 39 | 12 47 | 0 51 | 6 55 | 3 29 | 2 5 | 0 57 | 3 6 | 1 24 | 13 45 | 1 44 | 7 52 | 0 46 | 9 48 | 1 47 | 28 18 | 17 17 | 22 21 | 22 3 | 21 3 | | n.a. |
| W 5 | 20 1 | 21 3 | 0n27 | 13 21 | 0 43 | 6 51 | 3 36 | 2 22 | 0 56 | 3 6 | 1 24 | 13 43 | 1 43 | 7 51 | 0 46 | 9 49 | 1 47 | 28 19 | 17 18 | 22 21 | 22 4 | 21 5 | | n.a. |
| T 6 | 20 15 | 17 9 | 1 33 | 13 56 | 0 35 | 6 48 | 3 42 | 2 39 | 0 56 | 3 6 | 1 24 | 13 42 | 1 43 | 7 50 | 0 46 | 9 50 | 1 47 | 28 19 | 17 18 | 22 21 | 22 5 | 21 6 | | n.a. |
| F 7 | 20 29 | 12 24 | 2 36 | 14 30 | 0 27 | 6 47 | 3 48 | 2 56 | 0 56 | 3 6 | 1 23 | 13 41 | 1 43 | 7 50 | 0 46 | 9 50 | 1 47 | 28 20 | 17 19 | 22 21 | 22 5 | 21 8 | | n.a. |
| S 8 | 20 42 | 6 57 | 3 33 | 15 5 | 0 19 | 6 47 | 3 54 | 3 14 | 0 55 | 3 5 | 1 23 | 13 40 | 1 43 | 7 49 | 0 46 | 9 51 | 1 47 | 28 20 | 17 19 | 22 21 | 22 6 | 21 10 | | n.a. |
| S 9 | 20 55 | 1 1 | 4 20 | 15 39 | 0 12 | 6 48 | 3 59 | 3 31 | 0 55 | 3 5 | 1 23 | 13 38 | 1 43 | 7 49 | 0 46 | 9 52 | 1 47 | 28 20 | 17 20 | 22 21 | 22 6 | 21 12 | | n.a. |
| M10 | 21 7 | 5n 8 | 4 52 | 16 12 | 0 4 | 6 51 | 4 4 | 3 47 | 0 54 | 3 4 | 1 22 | 13 37 | 1 43 | 7 48 | 0 46 | 9 53 | 1 47 | 28 21 | 17 21 | 22 22 | 22 7 | 21 13 | | n.a. |
| T 11 | 21 19 | 11 13 | 5 7 | 16 45 | 0s 3 | 6 54 | 4 8 | 4 4 | 0 54 | 3 4 | 1 22 | 13 36 | 1 42 | 7 48 | 0 46 | 9 53 | 1 48 | 28 21 | 17 21 | 22 22 | 22 7 | 21 15 | | n.a. |
| W12 | 21 31 | 16 48 | 5 2 | 17 18 | 0 10 | 6 58 | 4 12 | 4 21 | 0 53 | 3 3 | 1 22 | 13 35 | 1 42 | 7 47 | 0 46 | 9 54 | 1 48 | 28 22 | 17 22 | 22 23 | 22 8 | 21 17 | | n.a. |
| T 13 | 21 42 | 21 27 | 4 36 | 17 50 | 0 17 | 7 4 | 4 15 | 4 38 | 0 53 | 3 2 | 1 21 | 13 33 | 1 42 | 7 47 | 0 46 | 9 55 | 1 48 | 28 22 | 17 22 | 22 24 | 22 8 | 21 18 | | n.a. |
| F 14 | 21 53 | 24 39 | 3 51 | 18 22 | 0 24 | 7 10 | 4 19 | 4 55 | 0 52 | 3 2 | 1 21 | 13 32 | 1 42 | 7 47 | 0 46 | 9 55 | 1 48 | 28 23 | 17 23 | 22 25 | 22 9 | 21 20 | | n.a. |
| S 15 | 22 3 | 26 3 | 2 49 | 18 53 | 0 31 | 7 17 | 4 21 | 5 12 | 0 52 | 3 1 | 1 21 | 13 31 | 1 42 | 7 46 | 0 46 | 9 56 | 1 48 | 28 23 | 17 24 | 22 26 | 22 9 | 21 22 | | n.a. |
| S 16 | 22 13 | 25 31 | 1 36 | 19 23 | 0 38 | 7 25 | 4 24 | 5 29 | 0 51 | 3 0 | 1 20 | 13 30 | 1 41 | 7 46 | 0 46 | 9 57 | 1 48 | 28 24 | 17 24 | 22 27 | 22 10 | 21 24 | | n.a. |
| M17 | 22 22 | 23 14 | 0 19 | 19 53 | 0 44 | 7 34 | 4 26 | 5 46 | 0 51 | 2 59 | 1 20 | 13 29 | 1 41 | 7 46 | 0 46 | 9 57 | 1 48 | 28 24 | 17 25 | 22 27 | 22 10 | 21 25 | | n.a. |
| T 18 | 22 31 | 19 34 | 0s57 | 20 22 | 0 50 | 7 44 | 4 28 | 6 3 | 0 50 | 2 57 | 1 20 | 13 28 | 1 41 | 7 45 | 0 47 | 9 58 | 1 48 | 28 25 | 17 25 | 22 27 | 22 11 | 21 27 | | n.a. |
| W19 | 22 40 | 14 58 | 2 8 | 20 50 | 0 57 | 7 54 | 4 29 | 6 19 | 0 50 | 2 56 | 1 19 | 13 27 | 1 41 | 7 45 | 0 47 | 9 58 | 1 48 | 28 25 | 17 26 | 22 27 | 22 11 | 21 29 | | n.a. |
| T 20 | 22 48 | 9 47 | 3 9 | 21 17 | 1 2 | 8 6 | 4 30 | 6 36 | 0 49 | 2 55 | 1 19 | 13 26 | 1 41 | 7 45 | 0 47 | 9 59 | 1 48 | 28 26 | 17 26 | 22 26 | 22 12 | 21 30 | | n.a. |
| F 21 | 22 56 | 4 22 | 3 59 | 21 44 | 1 8 | 8 17 | 4 31 | 6 53 | 0 49 | 2 53 | 1 18 | 13 25 | 1 40 | 7 44 | 0 47 | 10 0 | 1 48 | 28 26 | 17 27 | 22 26 | 22 12 | 21 32 | | n.a. |
| S 22 | 23 3 | 1s 4 | 4 37 | 22 9 | 1 13 | 8 30 | 4 32 | 7 9 | 0 48 | 2 52 | 1 18 | 13 24 | 1 40 | 7 44 | 0 47 | 10 0 | 1 48 | 28 27 | 17 28 | 22 26 | 22 13 | 21 34 | | n.a. |
| S 23 | 23 9 | 6 22 | 5 1 | 22 33 | 1 19 | 8 43 | 4 32 | 7 26 | 0 47 | 2 50 | 1 18 | 13 23 | 1 40 | 7 44 | 0 47 | 10 1 | 1 48 | 28 28 | 17 28 | 22 27 | 22 13 | 21 35 | | n.a. |
| M24 | 23 16 | 11 20 | 5 11 | 22 56 | 1 23 | 8 57 | 4 32 | 7 42 | 0 47 | 2 49 | 1 17 | 13 22 | 1 40 | 7 44 | 0 47 | 10 1 | 1 48 | 28 28 | 17 29 | 22 27 | 22 14 | 21 37 | | n.a. |
| T 25 | 23 22 | 15 51 | 5 8 | 23 18 | 1 28 | 9 11 | 4 32 | 7 59 | 0 46 | 2 47 | 1 17 | 13 21 | 1 40 | 7 44 | 0 47 | 10 2 | 1 48 | 28 29 | 17 29 | 22 28 | 22 14 | 21 38 | | n.a. |
| W26 | 23 27 | 19 45 | 4 52 | 23 39 | 1 32 | 9 25 | 4 31 | 8 15 | 0 46 | 2 45 | 1 17 | 13 20 | 1 39 | 7 43 | 0 47 | 10 2 | 1 48 | 28 29 | 17 30 | 22 29 | 22 15 | 21 40 | | n.a. |
| T 27 | 23 32 | 22 51 | 4 23 | 23 59 | 1 37 | 9 40 | 4 31 | 8 32 | 0 45 | 2 43 | 1 16 | 13 19 | 1 39 | 7 43 | 0 47 | 10 3 | 1 48 | 28 30 | 17 31 | 22 29 | 22 15 | 21 42 | | n.a. |
| F 28 | 23 36 | 25 0 | 3 43 | 24 17 | 1 40 | 9 56 | 4 30 | 8 48 | 0 45 | 2 42 | 1 16 | 13 19 | 1 39 | 7 43 | 0 47 | 10 4 | 1 48 | 28 31 | 17 31 | 22 30 | 22 16 | 21 43 | | n.a. |
| S 29 | 23 40 | 26 1 | 2 53 | 24 34 | 1 44 | 10 12 | 4 29 | 9 4 | 0 44 | 2 40 | 1 16 | 13 18 | 1 39 | 7 43 | 0 47 | 10 4 | 1 48 | 28 31 | 17 32 | 22 31 | 22 16 | 21 45 | | n.a. |
| S 30 | 23 44 | 25 48 | 1 54 | 24 49 | 1 47 | 10 28 | 4 28 | 9 20 | 0 43 | 2 37 | 1 15 | 13 17 | 1 38 | 7 43 | 0 47 | 10 5 | 1 48 | 28 32 | 17 32 | 22 31 | 22 17 | 21 47 | | n.a. |
| M31 | 23s47 | 24s21 | 0s50 | 25s 3 | 1s50 | 10s44 | 4n26 | 9s37 | 0n43 | 2s35 | 1s15 | 13n17 | 1s38 | 7n43 | 0n47 | 10s 5 | 1n48 | 28n33 | 17n33 | 22s31 | 22s17 | 21s48 | | n.a. |

Julian Day Number = 1000388.5, Delta T = 12h51m53s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'26, Lahiri = -31°10'25 Julian Calendar 1 Dec. 1975 BCE == Greg. Calendar 14 Nov. 1975 BCE

The year -1974 astronomical counting style corresponds to year 1975 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## JANUARY 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 33 45 | 25♐ 0'25 | 22♉27 | 18♐22 | 10♏17 | 26♎47 | 26♓31 | 9°R 5 | 12♍31 | 0♏14 | 28°R27 | 19°D 8 | 20♉41 | 17♏39 | n.a. | T 1 |
| W 2 | 5 37 41 | 26° 0'59 | 4♒59 | 20° 6 | 11° 6 | 27°29 | 26°36 | 9♉ 2 | 12°32 | 0°15 | 28♌26 | 19♉ 9 | 20°38 | 17°46 | n.a. | W 2 |
| T 3 | 5 41 38 | 27° 1'32 | 17°44 | 21°50 | 11°56 | 28°11 | 26°41 | 9° 0 | 12°R32 | 0°17 | 28°26 | 19°11 | 20°34 | 17°52 | n.a. | T 3 |
| F 4 | 5 45 34 | 28° 2'02 | 0♓44 | 23°36 | 12°46 | 28°53 | 26°46 | 8°57 | 12°32 | 0°18 | 28°25 | 19°12 | 20°31 | 17°59 | n.a. | F 4 |
| S 5 | 5 49 31 | 29° 2'30 | 14° 1 | 25°22 | 13°37 | 29°35 | 26°52 | 8°55 | 12°31 | 0°19 | 28°24 | 19°13 | 20°28 | 18° 6 | n.a. | S 5 |
| S 6 | 5 53 28 | 0♉ 2'56 | 27°37 | 27° 9 | 14°29 | 0♏17 | 26°57 | 8°53 | 12°31 | 0°21 | 28°24 | 19°R14 | 20°25 | 18°12 | n.a. | S 6 |
| M 7 | 5 57 24 | 1° 3'20 | 11♈32 | 28°57 | 15°22 | 0°59 | 27° 3 | 8°51 | 12°31 | 0°22 | 28°23 | 19°14 | 20°22 | 18°19 | n.a. | M 7 |
| T 8 | 6 1 21 | 2° 3'42 | 25°47 | 0♉47 | 16°15 | 1°41 | 27° 9 | 8°49 | 12°31 | 0°23 | 28°22 | 19°13 | 20°18 | 18°26 | n.a. | T 8 |
| W 9 | 6 5 17 | 3° 4'01 | 10♉19 | 2°36 | 17° 9 | 2°23 | 27°15 | 8°47 | 12°31 | 0°25 | 28°22 | 19°11 | 20°15 | 18°32 | n.a. | W 9 |
| T 10 | 6 9 14 | 4° 4'19 | 25° 4 | 4°27 | 18° 4 | 3° 5 | 27°21 | 8°45 | 12°30 | 0°26 | 28°21 | 19° 9 | 20°12 | 18°39 | n.a. | T 10 |
| F 11 | 6 13 10 | 5° 4'34 | 9♊57 | 6°19 | 18°59 | 3°47 | 27°28 | 8°43 | 12°30 | 0°27 | 28°20 | 19° 7 | 20° 9 | 18°46 | n.a. | F 11 |
| S 12 | 6 17 7 | 6° 4'47 | 24°48 | 8°12 | 19°54 | 4°29 | 27°34 | 8°42 | 12°29 | 0°28 | 28°19 | 19° 6 | 20° 6 | 18°53 | n.a. | S 12 |
| S 13 | 6 21 4 | 7° 4'58 | 9♋31 | 10° 5 | 20°50 | 5°11 | 27°41 | 8°40 | 12°29 | 0°30 | 28°18 | 19° 5 | 20° 3 | 18°59 | n.a. | S 13 |
| M14 | 6 25 0 | 8° 5'07 | 23°58 | 11°59 | 21°47 | 5°54 | 27°48 | 8°39 | 12°28 | 0°31 | 28°18 | 19°D 5 | 19°59 | 19° 6 | n.a. | M14 |
| T 15 | 6 28 57 | 9° 5'14 | 8♌ 3 | 13°53 | 22°44 | 6°36 | 27°55 | 8°38 | 12°28 | 0°32 | 28°17 | 19° 5 | 19°56 | 19°13 | n.a. | T 15 |
| W16 | 6 32 53 | 10° 5'20 | 21°45 | 15°48 | 23°42 | 7°18 | 28° 2 | 8°37 | 12°27 | 0°33 | 28°16 | 19° 6 | 19°53 | 19°19 | n.a. | W16 |
| T 17 | 6 36 50 | 11° 5'23 | 5♍ 1 | 17°43 | 24°40 | 8° 0 | 28° 9 | 8°36 | 12°26 | 0°34 | 28°15 | 19° 7 | 19°50 | 19°26 | n.a. | T 17 |
| F 18 | 6 40 46 | 12° 5'24 | 17°54 | 19°39 | 25°38 | 8°42 | 28°17 | 8°35 | 12°25 | 0°35 | 28°14 | 19° 8 | 19°47 | 19°33 | n.a. | F 18 |
| S 19 | 6 44 43 | 13° 5'24 | 0♎26 | 21°34 | 26°37 | 9°24 | 28°25 | 8°34 | 12°25 | 0°36 | 28°13 | 19° 8 | 19°44 | 19°40 | n.a. | S 19 |
| S 20 | 6 48 39 | 14° 5'22 | 12°41 | 23°29 | 27°37 | 10° 7 | 28°32 | 8°33 | 12°24 | 0°37 | 28°12 | 19°R 8 | 19°40 | 19°46 | n.a. | S 20 |
| M21 | 6 52 36 | 15° 5'18 | 24°43 | 25°24 | 28°36 | 10°49 | 28°40 | 8°33 | 12°23 | 0°38 | 28°11 | 19° 8 | 19°37 | 19°53 | n.a. | M21 |
| T 22 | 6 56 32 | 16° 5'12 | 6♏37 | 27°18 | 29°37 | 11°31 | 28°48 | 8°32 | 12°22 | 0°39 | 28° 9 | 19° 8 | 19°34 | 20° 0 | n.a. | T 22 |
| W23 | 7 0 29 | 17° 5'04 | 18°28 | 29°10 | 0♐37 | 12°13 | 28°56 | 8°32 | 12°21 | 0°40 | 28° 8 | 19° 8 | 19°31 | 20° 6 | n.a. | W23 |
| T 24 | 7 4 26 | 18° 4'55 | 0♐19 | 1♒ 2 | 1°38 | 12°56 | 29° 5 | 8°32 | 12°20 | 0°40 | 28° 7 | 19° 7 | 19°28 | 20°13 | n.a. | T 24 |
| F 25 | 7 8 22 | 19° 4'43 | 12°15 | 2°51 | 2°39 | 13°38 | 29°13 | 8°D32 | 12°18 | 0°41 | 28° 6 | 19°D 7 | 19°24 | 20°20 | n.a. | F 25 |
| S 26 | 7 12 19 | 20° 4'30 | 24°19 | 4°37 | 3°41 | 14°20 | 29°22 | 8°32 | 12°17 | 0°42 | 28° 5 | 19° 7 | 19°21 | 20°26 | n.a. | S 26 |
| S 27 | 7 16 15 | 21° 4'14 | 6♉33 | 6°21 | 4°42 | 15° 3 | 29°31 | 8°32 | 12°16 | 0°43 | 28° 4 | 19° 8 | 19°18 | 20°33 | n.a. | S 27 |
| M28 | 7 20 12 | 22° 3'57 | 18°59 | 8° 1 | 5°44 | 15°45 | 29°39 | 8°32 | 12°15 | 0°43 | 28° 2 | 19°R 8 | 19°15 | 20°40 | n.a. | M28 |
| T 29 | 7 24 8 | 23° 3'37 | 1♒38 | 9°38 | 6°47 | 16°27 | 29°48 | 8°32 | 12°13 | 0°44 | 28° 1 | 19° 8 | 19°12 | 20°47 | n.a. | T 29 |
| W30 | 7 28 5 | 24° 3'15 | 14°31 | 11°10 | 7°49 | 17° 9 | 29°58 | 8°33 | 12°12 | 0°45 | 28° 0 | 19° 7 | 19° 9 | 20°53 | n.a. | W30 |
| T 31 | 7 32 1 | 25♉ 2'50 | 27♒37 | 12♒37 | 8♐52 | 17♏52 | 0♈ 7 | 8♉33 | 12♍11 | 0♏45 | 27♌58 | 19♉ 7 | 19♉ 5 | 21♏ 0 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 23 s50 | 21 s43 | 0n18 | 25 s16 | 1 s52 | 11 s 1 | 4n25 | 9 s53 | 0n42 | 2 s33 | 1 s15 | 13n16 | 1 s38 | 7n43 | 0n47 | 10 s 6 | 1n48 | 28n33 | 17n33 | 22 s31 | 22 s18 | 21 s50 | | n.a. |
| W 2 | 23 52 | 18 1 | 1 26 | 25 27 | 1 54 | 11 18 | 4 23 | 10 9 | 0 41 | 2 31 | 1 14 | 13 15 | 1 38 | 7 43 | 0 47 | 10 6 | 1 48 | 28 34 | 17 34 | 22 31 | 22 18 | 21 51 | | n.a. |
| T 3 | 23 53 | 13 26 | 2 31 | 25 36 | 1 56 | 11 35 | 4 21 | 10 24 | 0 41 | 2 28 | 1 14 | 13 15 | 1 38 | 7 43 | 0 47 | 10 7 | 1 48 | 28 35 | 17 34 | 22 31 | 22 19 | 21 53 | | n.a. |
| F 4 | 23 54 | 8 10 | 3 30 | 25 43 | 1 57 | 11 53 | 4 19 | 10 40 | 0 40 | 2 26 | 1 14 | 13 14 | 1 37 | 7 43 | 0 47 | 10 7 | 1 48 | 28 36 | 17 35 | 22 31 | 22 19 | 21 54 | | n.a. |
| S 5 | 23 55 | 2 27 | 4 18 | 25 48 | 1 58 | 12 10 | 4 16 | 10 56 | 0 39 | 2 24 | 1 13 | 13 14 | 1 37 | 7 43 | 0 47 | 10 7 | 1 48 | 28 36 | 17 35 | 22 31 | 22 20 | 21 56 | | n.a. |
| S 6 | 23 55 | 3n30 | 4 54 | 25 52 | 1 59 | 12 28 | 4 14 | 11 12 | 0 39 | 2 21 | 1 13 | 13 13 | 1 37 | 7 43 | 0 47 | 10 8 | 1 48 | 28 37 | 17 36 | 22 31 | 22 20 | 21 58 | | n.a. |
| M 7 | 23 55 | 9 26 | 5 13 | 25 54 | 1 59 | 12 46 | 4 11 | 11 27 | 0 38 | 2 18 | 1 13 | 13 13 | 1 37 | 7 43 | 0 47 | 10 8 | 1 49 | 28 38 | 17 36 | 22 31 | 22 21 | 21 59 | | n.a. |
| T 8 | 23 54 | 15 0 | 5 14 | 25 53 | 1 58 | 13 4 | 4 9 | 11 43 | 0 37 | 2 16 | 1 13 | 13 12 | 1 36 | 7 44 | 0 47 | 10 9 | 1 49 | 28 38 | 17 37 | 22 31 | 22 21 | 22 1 | | n.a. |
| W 9 | 23 53 | 19 51 | 4 55 | 25 51 | 1 57 | 13 22 | 4 6 | 11 58 | 0 36 | 2 13 | 1 12 | 13 12 | 1 36 | 7 44 | 0 47 | 10 9 | 1 49 | 28 39 | 17 38 | 22 31 | 22 22 | 22 2 | | n.a. |
| T 10 | 23 51 | 23 33 | 4 16 | 25 46 | 1 56 | 13 40 | 4 3 | 12 14 | 0 36 | 2 10 | 1 12 | 13 12 | 1 36 | 7 44 | 0 47 | 10 10 | 1 49 | 28 40 | 17 38 | 22 31 | 22 22 | 22 4 | | n.a. |
| F 11 | 23 49 | 25 41 | 3 20 | 25 39 | 1 54 | 13 58 | 4 0 | 12 29 | 0 35 | 2 7 | 1 12 | 13 11 | 1 36 | 7 44 | 0 47 | 10 10 | 1 49 | 28 41 | 17 39 | 22 32 | 22 23 | 22 5 | | n.a. |
| S 12 | 23 47 | 25 59 | 2 10 | 25 30 | 1 51 | 14 17 | 3 57 | 12 44 | 0 34 | 2 4 | 1 11 | 13 11 | 1 35 | 7 44 | 0 48 | 10 10 | 1 49 | 28 41 | 17 39 | 22 32 | 22 23 | 22 7 | | n.a. |
| S 13 | 23 44 | 24 27 | 0 53 | 25 19 | 1 48 | 14 35 | 3 53 | 12 59 | 0 33 | 2 1 | 1 11 | 13 11 | 1 35 | 7 45 | 0 48 | 10 11 | 1 49 | 28 42 | 17 39 | 22 32 | 22 24 | 22 8 | | n.a. |
| M14 | 23 40 | 21 18 | 0s27 | 25 6 | 1 44 | 14 53 | 3 50 | 13 14 | 0 33 | 1 58 | 1 11 | 13 11 | 1 35 | 7 45 | 0 48 | 10 11 | 1 49 | 28 43 | 17 40 | 22 32 | 22 24 | 22 10 | | n.a. |
| T 15 | 23 36 | 16 58 | 1 43 | 24 50 | 1 39 | 15 11 | 3 46 | 13 29 | 0 32 | 1 55 | 1 10 | 13 10 | 1 35 | 7 45 | 0 48 | 10 11 | 1 49 | 28 44 | 17 40 | 22 32 | 22 24 | 22 11 | | n.a. |
| W16 | 23 32 | 11 51 | 2 51 | 24 32 | 1 34 | 15 29 | 3 43 | 13 44 | 0 31 | 1 52 | 1 10 | 13 10 | 1 34 | 7 45 | 0 48 | 10 12 | 1 49 | 28 45 | 17 41 | 22 32 | 22 25 | 22 13 | | n.a. |
| T 17 | 23 27 | 6 20 | 3 48 | 24 11 | 1 29 | 15 47 | 3 39 | 13 59 | 0 30 | 1 49 | 1 10 | 13 10 | 1 34 | 7 46 | 0 48 | 10 12 | 1 49 | 28 45 | 17 41 | 22 32 | 22 25 | 22 14 | | n.a. |
| F 18 | 23 22 | 0 43 | 4 31 | 23 48 | 1 22 | 16 4 | 3 35 | 14 13 | 0 29 | 1 45 | 1 10 | 13 10 | 1 34 | 7 46 | 0 48 | 10 12 | 1 49 | 28 46 | 17 42 | 22 32 | 22 26 | 22 16 | | n.a. |
| S 19 | 23 16 | 4s45 | 5 0 | 23 23 | 1 15 | 16 22 | 3 31 | 14 28 | 0 29 | 1 42 | 1 9 | 13 10 | 1 34 | 7 46 | 0 48 | 10 13 | 1 49 | 28 47 | 17 42 | 22 32 | 22 26 | 22 17 | | n.a. |
| S 20 | 23 10 | 9 55 | 5 15 | 22 56 | 1 7 | 16 40 | 3 27 | 14 42 | 0 28 | 1 39 | 1 9 | 13 10 | 1 33 | 7 47 | 0 48 | 10 13 | 1 49 | 28 48 | 17 43 | 22 32 | 22 27 | 22 19 | | n.a. |
| M21 | 23 3 | 14 38 | 5 16 | 22 27 | 0 59 | 16 57 | 3 23 | 14 57 | 0 27 | 1 35 | 1 9 | 13 10 | 1 33 | 7 47 | 0 48 | 10 13 | 1 49 | 28 49 | 17 43 | 22 32 | 22 27 | 22 20 | | n.a. |
| T 22 | 22 56 | 18 44 | 5 3 | 21 56 | 0 50 | 17 14 | 3 19 | 15 11 | 0 26 | 1 32 | 1 8 | 13 10 | 1 33 | 7 48 | 0 48 | 10 14 | 1 49 | 28 49 | 17 44 | 22 32 | 22 28 | 22 22 | | n.a. |
| W23 | 22 48 | 22 5 | 4 37 | 21 23 | 0 40 | 17 31 | 3 15 | 15 25 | 0 25 | 1 28 | 1 8 | 13 10 | 1 33 | 7 48 | 0 48 | 10 14 | 1 49 | 28 50 | 17 44 | 22 32 | 22 28 | 22 23 | | n.a. |
| T 24 | 22 40 | 24 31 | 3 59 | 20 48 | 0 29 | 17 47 | 3 11 | 15 39 | 0 24 | 1 24 | 1 8 | 13 11 | 1 32 | 7 48 | 0 48 | 10 14 | 1 49 | 28 51 | 17 44 | 22 32 | 22 29 | 22 25 | | n.a. |
| F 25 | 22 32 | 25 52 | 3 11 | 20 13 | 0 18 | 18 4 | 3 7 | 15 53 | 0 23 | 1 21 | 1 8 | 13 11 | 1 32 | 7 49 | 0 48 | 10 14 | 1 49 | 28 52 | 17 45 | 22 32 | 22 29 | 22 26 | | n.a. |
| S 26 | 22 23 | 26 1 | 2 13 | 19 36 | 0 6 | 18 20 | 3 2 | 16 6 | 0 23 | 1 17 | 1 7 | 13 11 | 1 32 | 7 49 | 0 48 | 10 15 | 1 49 | 28 53 | 17 45 | 22 32 | 22 30 | 22 27 | | n.a. |
| S 27 | 22 14 | 24 55 | 1 9 | 18 58 | 0n 6 | 18 35 | 2 58 | 16 20 | 0 22 | 1 13 | 1 7 | 13 11 | 1 32 | 7 50 | 0 48 | 10 15 | 1 50 | 28 53 | 17 46 | 22 32 | 22 30 | 22 29 | | n.a. |
| M28 | 22 4 | 22 34 | 0 1 | 18 20 | 0 19 | 18 51 | 2 54 | 16 33 | 0 21 | 1 9 | 1 7 | 13 12 | 1 31 | 7 50 | 0 48 | 10 15 | 1 50 | 28 54 | 17 46 | 22 32 | 22 31 | 22 30 | | n.a. |
| T 29 | 21 54 | 19 5 | 1n 9 | 17 41 | 0 32 | 19 6 | 2 49 | 16 47 | 0 20 | 1 5 | 1 6 | 13 12 | 1 31 | 7 51 | 0 48 | 10 15 | 1 50 | 28 55 | 17 46 | 22 32 | 22 31 | 22 32 | | n.a. |
| W30 | 21 44 | 14 38 | 2 16 | 17 3 | 0 46 | 19 21 | 2 45 | 17 0 | 0 19 | 1 2 | 1 6 | 13 12 | 1 31 | 7 52 | 0 48 | 10 15 | 1 50 | 28 56 | 17 47 | 22 32 | 22 31 | 22 33 | | n.a. |
| T 31 | 21 s33 | 9 s27 | 3n18 | 16 s25 | 0n59 | 19 s35 | 2n40 | 17 s13 | 0n18 | 0 s58 | 1 s 6 | 13n13 | 1 s31 | 7n52 | 0n48 | 10 s15 | 1n50 | 28n57 | 17n47 | 22 s32 | 22 s32 | 22 s34 | | n.a. |

Julian Day Number = 1000419.5, Delta T = 12h51m51s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'22, Lahiri = -31°10'21 Julian Calendar 1 Jan. 1974 BCE == Greg. Calendar 15 Dec. 1975 BCE

The year -1973 astronomical counting style corresponds to year 1974 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## FEBRUARY 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 35 58 | 26♉ 2'23 | 10♓58 | 13♒59 | 9♐55 | 18♏34 | 0♈16 | 8♉34 | 12°R 9 | 0♏46 | 27°R57 | 19°R 6 | 19♉ 2 | 21♏ 7 | n.a. | F 1 |
| S 2 | 7 39 55 | 27° 1'54 | 24°31 | 15°15 | 10°59 | 19°16 | 0°26 | 8°35 | 12♍ 8 | 0°46 | 27♌56 | 19♉ 5 | 18°59 | 21°13 | n.a. | S 2 |
| S 3 | 7 43 51 | 28° 1'22 | 8♈17 | 16°25 | 12° 3 | 19°59 | 0°35 | 8°36 | 12° 6 | 0°47 | 27°54 | 19° 4 | 18°56 | 21°20 | n.a. | S 3 |
| M 4 | 7 47 48 | 29° 0'48 | 22°14 | 17°28 | 13° 6 | 20°41 | 0°45 | 8°37 | 12° 5 | 0°47 | 27°53 | 19° 4 | 18°53 | 21°27 | n.a. | M 4 |
| T 5 | 7 51 44 | 0♒ 0'11 | 6♉22 | 18°25 | 14°11 | 21°23 | 0°55 | 8°38 | 12° 3 | 0°48 | 27°52 | 19°D 4 | 18°50 | 21°34 | n.a. | T 5 |
| W 6 | 7 55 41 | 0°59'32 | 20°38 | 19°14 | 15°15 | 22° 5 | 1° 5 | 8°39 | 12° 1 | 0°48 | 27°50 | 19° 4 | 18°46 | 21°40 | n.a. | W 6 |
| T 7 | 7 59 37 | 1°58'50 | 5♊ 0 | 19°56 | 16°19 | 22°48 | 1°15 | 8°40 | 12° 0 | 0°49 | 27°49 | 19° 5 | 18°43 | 21°47 | n.a. | T 7 |
| F 8 | 8 3 34 | 2°58'06 | 19°24 | 20°30 | 17°24 | 23°30 | 1°25 | 8°42 | 11°58 | 0°49 | 27°47 | 19° 6 | 18°40 | 21°54 | n.a. | F 8 |
| S 9 | 8 7 30 | 3°57'20 | 3♋47 | 20°56 | 18°29 | 24°12 | 1°35 | 8°43 | 11°56 | 0°49 | 27°46 | 19° 7 | 18°37 | 22° 0 | n.a. | S 9 |
| S 10 | 8 11 27 | 4°56'31 | 18° 4 | 21°15 | 19°34 | 24°55 | 1°45 | 8°45 | 11°54 | 0°50 | 27°44 | 19°R 7 | 18°34 | 22° 7 | n.a. | S 10 |
| M11 | 8 15 23 | 5°55'39 | 2♌10 | 21°26 | 20°39 | 25°37 | 1°56 | 8°47 | 11°52 | 0°50 | 27°43 | 19° 7 | 18°30 | 22°14 | n.a. | M11 |
| T 12 | 8 19 20 | 6°54'46 | 16° 2 | 21°R29 | 21°45 | 26°19 | 2° 6 | 8°49 | 11°51 | 0°50 | 27°41 | 19° 6 | 18°27 | 22°20 | n.a. | T 12 |
| W13 | 8 23 17 | 7°53'50 | 29°35 | 21°25 | 22°51 | 27° 2 | 2°17 | 8°51 | 11°49 | 0°50 | 27°40 | 19° 4 | 18°24 | 22°27 | n.a. | W13 |
| T 14 | 8 27 13 | 8°52'52 | 12♍49 | 21°14 | 23°56 | 27°44 | 2°28 | 8°53 | 11°47 | 0°50 | 27°38 | 19° 1 | 18°21 | 22°34 | n.a. | T 14 |
| F 15 | 8 31 10 | 9°51'52 | 25°43 | 20°56 | 25° 2 | 28°26 | 2°38 | 8°55 | 11°45 | 0°50 | 27°36 | 18°58 | 18°18 | 22°41 | n.a. | F 15 |
| S 16 | 8 35 6 | 10°50'50 | 8♎17 | 20°32 | 26° 9 | 29° 8 | 2°49 | 8°57 | 11°43 | 0°51 | 27°35 | 18°55 | 18°15 | 22°47 | n.a. | S 16 |
| S 17 | 8 39 3 | 11°49'46 | 20°35 | 20° 2 | 27°15 | 29°51 | 3° 0 | 9° 0 | 11°41 | 0°51 | 27°33 | 18°52 | 18°11 | 22°54 | n.a. | S 17 |
| M18 | 8 42 59 | 12°48'40 | 2♏39 | 19°28 | 28°21 | 0♐33 | 3°11 | 9° 2 | 11°38 | 0°R51 | 27°32 | 18°51 | 18° 8 | 23° 1 | n.a. | M18 |
| T 19 | 8 46 56 | 13°47'33 | 14°35 | 18°49 | 29°28 | 1°15 | 3°23 | 9° 5 | 11°36 | 0°51 | 27°30 | 18°D50 | 18° 5 | 23° 7 | n.a. | T 19 |
| W20 | 8 50 52 | 14°46'23 | 26°26 | 18° 6 | 0♑35 | 1°58 | 3°34 | 9° 8 | 11°34 | 0°51 | 27°28 | 18°51 | 18° 2 | 23°14 | n.a. | W20 |
| T 21 | 8 54 49 | 15°45'12 | 8♐18 | 17°21 | 1°42 | 2°40 | 3°45 | 9°10 | 11°32 | 0°50 | 27°27 | 18°52 | 17°59 | 23°21 | n.a. | T 21 |
| F 22 | 8 58 45 | 16°43'58 | 20°16 | 16°35 | 2°49 | 3°22 | 3°57 | 9°13 | 11°30 | 0°50 | 27°25 | 18°54 | 17°55 | 23°27 | n.a. | F 22 |
| S 23 | 9 2 42 | 17°42'43 | 2♑24 | 15°47 | 3°56 | 4° 4 | 4° 8 | 9°16 | 11°28 | 0°50 | 27°23 | 18°56 | 17°52 | 23°34 | n.a. | S 23 |
| S 24 | 9 6 39 | 18°41'26 | 14°45 | 15° 0 | 5° 3 | 4°47 | 4°20 | 9°20 | 11°25 | 0°50 | 27°22 | 18°R57 | 17°49 | 23°41 | n.a. | S 24 |
| M25 | 9 10 35 | 19°40'06 | 27°23 | 14°14 | 6°11 | 5°29 | 4°32 | 9°23 | 11°23 | 0°50 | 27°20 | 18°56 | 17°46 | 23°48 | n.a. | M25 |
| T 26 | 9 14 32 | 20°38'45 | 10♒19 | 13°30 | 7°18 | 6°11 | 4°43 | 9°26 | 11°21 | 0°49 | 27°18 | 18°55 | 17°43 | 23°54 | n.a. | T 26 |
| W27 | 9 18 28 | 21°37'22 | 23°34 | 12°49 | 8°26 | 6°53 | 4°55 | 9°30 | 11°18 | 0°49 | 27°17 | 18°51 | 17°40 | 24° 1 | n.a. | W27 |
| T 28 | 9 22 25 | 22♒35'56 | 7♓ 6 | 12♒11 | 9♑34 | 7♐35 | 5♈ 7 | 9♉33 | 11♍16 | 0♏49 | 27♌15 | 18♉47 | 17♉36 | 24♏ 8 | n.a. | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 21 s22 | 3 s46 | 4n 9 | 15 s48 | 1n13 | 19 s49 | 2n36 | 17 s26 | 0n17 | 0 s54 | 1 s 6 | 13n13 | 1 s30 | 7n53 | 0n48 | 10 s16 | 1n50 | 28n57 | 17n47 | 22 s32 | 22 s32 | 22 s36 | | n.a. | F 1 |
| S 2 | 21 10 | 2n11 | 4 48 | 15 12 | 1 27 | 20 3 | 2 31 | 17 38 | 0 16 | 0 49 | 1 5 | 13 14 | 1 30 | 7 53 | 0 48 | 10 16 | 1 50 | 28 58 | 17 48 | 22 32 | 22 33 | 22 37 | | n.a. | S 2 |
| S 3 | 20 58 | 8 6 | 5 11 | 14 37 | 1 41 | 20 16 | 2 27 | 17 51 | 0 15 | 0 45 | 1 5 | 13 14 | 1 30 | 7 54 | 0 48 | 10 16 | 1 50 | 28 59 | 17 48 | 22 32 | 22 33 | 22 39 | | n.a. | S 3 |
| M 4 | 20 46 | 13 42 | 5 16 | 14 5 | 1 55 | 20 29 | 2 22 | 18 4 | 0 14 | 0 41 | 1 5 | 13 15 | 1 29 | 7 55 | 0 48 | 10 16 | 1 50 | 29 0 | 17 48 | 22 32 | 22 34 | 22 40 | | n.a. | M 4 |
| T 5 | 20 33 | 18 39 | 5 2 | 13 34 | 2 9 | 20 41 | 2 17 | 18 16 | 0 13 | 0 37 | 1 5 | 13 15 | 1 29 | 7 55 | 0 48 | 10 16 | 1 50 | 29 1 | 17 49 | 22 32 | 22 34 | 22 41 | | n.a. | T 5 |
| W 6 | 20 20 | 22 36 | 4 30 | 13 7 | 2 22 | 20 53 | 2 13 | 18 28 | 0 12 | 0 33 | 1 4 | 13 16 | 1 29 | 7 56 | 0 48 | 10 16 | 1 50 | 29 2 | 17 49 | 22 32 | 22 35 | 22 43 | | n.a. | W 6 |
| T 7 | 20 7 | 25 10 | 3 41 | 12 41 | 2 35 | 21 5 | 2 8 | 18 40 | 0 11 | 0 28 | 1 4 | 13 17 | 1 29 | 7 57 | 0 48 | 10 16 | 1 50 | 29 2 | 17 49 | 22 32 | 22 35 | 22 44 | | n.a. | T 7 |
| F 8 | 19 53 | 26 6 | 2 37 | 12 19 | 2 47 | 21 16 | 2 3 | 18 52 | 0 10 | 0 24 | 1 4 | 13 18 | 1 28 | 7 57 | 0 48 | 10 16 | 1 50 | 29 3 | 17 50 | 22 32 | 22 36 | 22 45 | | n.a. | F 8 |
| S 9 | 19 39 | 25 16 | 1 24 | 12 0 | 2 58 | 21 26 | 1 59 | 19 4 | 0 9 | 0 20 | 1 4 | 13 18 | 1 28 | 7 58 | 0 48 | 10 16 | 1 50 | 29 4 | 17 50 | 22 32 | 22 36 | 22 47 | | n.a. | S 9 |
| S 10 | 19 25 | 22 46 | 0 6 | 11 44 | 3 8 | 21 36 | 1 54 | 19 15 | 0 8 | 0 15 | 1 3 | 13 19 | 1 28 | 7 59 | 0 48 | 10 16 | 1 50 | 29 5 | 17 50 | 22 32 | 22 36 | 22 48 | | n.a. | S 10 |
| M11 | 19 10 | 18 55 | 1 s11 | 11 32 | 3 18 | 21 46 | 1 49 | 19 27 | 0 6 | 0 11 | 1 3 | 13 20 | 1 28 | 8 0 | 0 49 | 10 16 | 1 50 | 29 6 | 17 50 | 22 32 | 22 37 | 22 49 | | n.a. | M11 |
| T 12 | 18 55 | 14 5 | 2 23 | 11 23 | 3 26 | 21 55 | 1 45 | 19 38 | 0 5 | 0 6 | 1 3 | 13 21 | 1 27 | 8 0 | 0 49 | 10 17 | 1 50 | 29 6 | 17 51 | 22 32 | 22 37 | 22 51 | | n.a. | T 12 |
| W13 | 18 40 | 8 39 | 3 25 | 11 18 | 3 33 | 22 4 | 1 40 | 19 49 | 0 4 | 0 2 | 1 3 | 13 22 | 1 27 | 8 1 | 0 49 | 10 17 | 1 50 | 29 7 | 17 51 | 22 32 | 22 38 | 22 52 | | n.a. | W13 |
| T 14 | 18 24 | 2 58 | 4 14 | 11 16 | 3 38 | 22 12 | 1 35 | 20 0 | 0 3 | 0n 3 | 1 3 | 13 23 | 1 27 | 8 2 | 0 49 | 10 17 | 1 51 | 29 8 | 17 51 | 22 33 | 22 38 | 22 53 | | n.a. | T 14 |
| F 15 | 18 8 | 2 s40 | 4 49 | 11 18 | 3 42 | 22 19 | 1 31 | 20 11 | 0 2 | 0 7 | 1 2 | 13 23 | 1 27 | 8 3 | 0 49 | 10 17 | 1 51 | 29 9 | 17 51 | 22 33 | 22 39 | 22 55 | | n.a. | F 15 |
| S 16 | 17 52 | 8 4 | 5 9 | 11 23 | 3 45 | 22 26 | 1 26 | 20 21 | 0 1 | 0 12 | 1 2 | 13 24 | 1 26 | 8 3 | 0 49 | 10 16 | 1 51 | 29 9 | 17 51 | 22 33 | 22 39 | 22 56 | | n.a. | S 16 |
| S 17 | 17 35 | 13 2 | 5 14 | 11 32 | 3 45 | 22 32 | 1 22 | 20 32 | 0 s 0 | 0 16 | 1 2 | 13 25 | 1 26 | 8 4 | 0 49 | 10 16 | 1 51 | 29 10 | 17 52 | 22 34 | 22 39 | 22 57 | | n.a. | S 17 |
| M18 | 17 18 | 17 24 | 5 6 | 11 44 | 3 44 | 22 38 | 1 17 | 20 42 | 0 2 | 0 21 | 1 2 | 13 27 | 1 26 | 8 5 | 0 49 | 10 16 | 1 51 | 29 11 | 17 52 | 22 34 | 22 40 | 22 59 | | n.a. | M18 |
| T 19 | 17 1 | 21 2 | 4 44 | 11 59 | 3 42 | 22 43 | 1 12 | 20 52 | 0 3 | 0 26 | 1 1 | 13 28 | 1 26 | 8 6 | 0 49 | 10 16 | 1 51 | 29 12 | 17 52 | 22 34 | 22 40 | 23 0 | | n.a. | T 19 |
| W20 | 16 44 | 23 47 | 4 10 | 12 16 | 3 37 | 22 47 | 1 8 | 21 2 | 0 4 | 0 31 | 1 1 | 13 29 | 1 26 | 8 7 | 0 49 | 10 16 | 1 51 | 29 12 | 17 52 | 22 34 | 22 41 | 23 1 | | n.a. | W20 |
| T 21 | 16 26 | 25 30 | 3 25 | 12 36 | 3 31 | 22 51 | 1 3 | 21 12 | 0 5 | 0 35 | 1 1 | 13 30 | 1 25 | 8 8 | 0 49 | 10 16 | 1 51 | 29 13 | 17 52 | 22 34 | 22 41 | 23 2 | | n.a. | T 21 |
| F 22 | 16 8 | 26 4 | 2 31 | 12 57 | 3 24 | 22 55 | 0 59 | 21 21 | 0 6 | 0 40 | 1 1 | 13 31 | 1 25 | 8 9 | 0 49 | 10 16 | 1 51 | 29 14 | 17 52 | 22 34 | 22 42 | 23 4 | | n.a. | F 22 |
| S 23 | 15 50 | 25 24 | 1 30 | 13 20 | 3 14 | 22 58 | 0 54 | 21 31 | 0 8 | 0 45 | 1 1 | 13 32 | 1 25 | 8 9 | 0 49 | 10 16 | 1 51 | 29 15 | 17 52 | 22 33 | 22 42 | 23 5 | | n.a. | S 23 |
| S 24 | 15 32 | 23 28 | 0 23 | 13 44 | 3 4 | 23 0 | 0 50 | 21 40 | 0 9 | 0 50 | 1 0 | 13 33 | 1 25 | 8 10 | 0 49 | 10 16 | 1 51 | 29 15 | 17 53 | 22 33 | 22 43 | 23 6 | | n.a. | S 24 |
| M25 | 15 13 | 20 21 | 0n46 | 14 9 | 2 52 | 23 1 | 0 45 | 21 49 | 0 10 | 0 55 | 1 0 | 13 35 | 1 24 | 8 11 | 0 49 | 10 16 | 1 51 | 29 16 | 17 53 | 22 33 | 22 43 | 23 7 | | n.a. | M25 |
| T 26 | 14 54 | 16 11 | 1 54 | 14 34 | 2 39 | 23 2 | 0 41 | 21 58 | 0 11 | 1 0 | 1 0 | 13 36 | 1 24 | 8 12 | 0 49 | 10 16 | 1 51 | 29 17 | 17 53 | 22 33 | 22 43 | 23 9 | | n.a. | T 26 |
| W27 | 14 35 | 11 9 | 2 58 | 14 59 | 2 25 | 23 2 | 0 37 | 22 6 | 0 13 | 1 5 | 1 0 | 13 37 | 1 24 | 8 13 | 0 49 | 10 15 | 1 51 | 29 17 | 17 53 | 22 34 | 22 44 | 23 10 | | n.a. | W27 |
| T 28 | 14 s15 | 5 s29 | 3n53 | 15 s24 | 2n11 | 23 s 2 | 0n32 | 22 s15 | 0 s14 | 1n10 | 1 s 0 | 13n39 | 1 s24 | 8n14 | 0n49 | 10 s15 | 1n51 | 29n18 | 17n53 | 22 s35 | 22 s44 | 23 s11 | | n.a. | T 28 |

Julian Day Number = 1000450.5, Delta T = 12h51m49s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'17, Lahiri = -31°10'17 Julian Calendar 1 Feb. 1974 BCE == Greg. Calendar 15 Jan. 1974 BCE

The year -1973 astronomical counting style corresponds to year 1974 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## MARCH 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 26 21 | 23♒34'28 | 20♓53 | 11°R36 | 10♑42 | 8♐18 | 5♈19 | 9♉37 | 11°R14 | 0°R49 | 27°R13 | 18°R41 | 17♑33 | 24♏14 | n.a. | F 1 |
| S 2 | 9 30 18 | 24°32'58 | 4♈52 | 11♒ 6 | 11°49 | 9° 0 | 5°31 | 9°40 | 11♍11 | 0♏48 | 27♌12 | 18♑36 | 17°30 | 24°21 | n.a. | S 2 |
| S 3 | 9 34 14 | 25°31'26 | 19° 0 | 10°41 | 12°58 | 9°42 | 5°43 | 9°44 | 11° 9 | 0°48 | 27°10 | 18°31 | 17°27 | 24°28 | n.a. | S 3 |
| M 4 | 9 38 11 | 26°29'52 | 3♉11 | 10°20 | 14° 6 | 10°24 | 5°55 | 9°48 | 11° 6 | 0°47 | 27° 8 | 18°27 | 17°24 | 24°34 | n.a. | M 4 |
| T 5 | 9 42 7 | 27°28'15 | 17°24 | 10° 4 | 15°14 | 11° 6 | 6° 8 | 9°52 | 11° 4 | 0°47 | 27° 7 | 18°25 | 17°21 | 24°41 | n.a. | T 5 |
| W 6 | 9 46 4 | 28°26'36 | 1♊35 | 9°53 | 16°22 | 11°48 | 6°20 | 9°56 | 11° 2 | 0°46 | 27° 5 | 18°D25 | 17°17 | 24°48 | n.a. | W 6 |
| T 7 | 9 50 1 | 29°24'55 | 15°43 | 9°48 | 17°31 | 12°30 | 6°32 | 10° 0 | 10°59 | 0°46 | 27° 3 | 18°26 | 17°14 | 24°54 | n.a. | T 7 |
| F 8 | 9 53 57 | 0♓23'11 | 29°46 | 9°D47 | 18°39 | 13°12 | 6°45 | 10° 5 | 10°57 | 0°45 | 27° 2 | 18°27 | 17°11 | 25° 1 | n.a. | F 8 |
| S 9 | 9 57 54 | 1°21'26 | 13♋43 | 9°52 | 19°48 | 13°54 | 6°57 | 10° 9 | 10°54 | 0°45 | 27° 0 | 18°R28 | 17° 8 | 25° 8 | n.a. | S 9 |
| S 10 | 10 1 50 | 2°19'38 | 27°33 | 10° 2 | 20°56 | 14°36 | 7°10 | 10°13 | 10°52 | 0°44 | 26°58 | 18°28 | 17° 5 | 25°15 | n.a. | S 10 |
| M11 | 10 5 47 | 3°17'48 | 11♌13 | 10°16 | 22° 5 | 15°18 | 7°22 | 10°18 | 10°49 | 0°43 | 26°57 | 18°26 | 17° 1 | 25°21 | n.a. | M11 |
| T 12 | 10 9 43 | 4°15'55 | 24°42 | 10°35 | 23°14 | 16° 0 | 7°35 | 10°22 | 10°47 | 0°43 | 26°55 | 18°21 | 16°58 | 25°28 | n.a. | T 12 |
| W13 | 10 13 40 | 5°14'01 | 7♍57 | 10°59 | 24°23 | 16°42 | 7°48 | 10°27 | 10°44 | 0°42 | 26°53 | 18°15 | 16°55 | 25°35 | n.a. | W13 |
| T 14 | 10 17 36 | 6°12'05 | 20°58 | 11°27 | 25°32 | 17°23 | 8° 0 | 10°32 | 10°42 | 0°41 | 26°52 | 18° 7 | 16°52 | 25°41 | n.a. | T 14 |
| F 15 | 10 21 33 | 7°10'07 | 3♎43 | 11°59 | 26°41 | 18° 5 | 8°13 | 10°37 | 10°39 | 0°40 | 26°50 | 17°59 | 16°49 | 25°48 | n.a. | F 15 |
| S 16 | 10 25 29 | 8° 8'08 | 16°13 | 12°35 | 27°50 | 18°47 | 8°26 | 10°41 | 10°37 | 0°40 | 26°48 | 17°50 | 16°46 | 25°55 | n.a. | S 16 |
| S 17 | 10 29 26 | 9° 6'07 | 28°29 | 13°15 | 29° 0 | 19°29 | 8°39 | 10°46 | 10°34 | 0°39 | 26°47 | 17°42 | 16°42 | 26° 1 | n.a. | S 17 |
| M18 | 10 33 23 | 10° 4'04 | 10♏32 | 13°59 | 0♒ 9 | 20°10 | 8°52 | 10°52 | 10°31 | 0°38 | 26°45 | 17°36 | 16°39 | 26° 8 | n.a. | M18 |
| T 19 | 10 37 19 | 11° 2'00 | 22°28 | 14°46 | 1°18 | 20°52 | 9° 5 | 10°57 | 10°29 | 0°37 | 26°43 | 17°32 | 16°36 | 26°15 | n.a. | T 19 |
| W20 | 10 41 16 | 11°59'54 | 4♐19 | 15°37 | 2°28 | 21°34 | 9°18 | 11° 2 | 10°26 | 0°36 | 26°42 | 17°30 | 16°33 | 26°21 | n.a. | W20 |
| T 21 | 10 45 12 | 12°57'47 | 16°10 | 16°31 | 3°37 | 22°15 | 9°31 | 11° 7 | 10°24 | 0°35 | 26°40 | 17°D30 | 16°30 | 26°28 | n.a. | T 21 |
| F 22 | 10 49 9 | 13°55'38 | 28° 8 | 17°28 | 4°47 | 22°57 | 9°44 | 11°13 | 10°21 | 0°34 | 26°39 | 17°31 | 16°27 | 26°35 | n.a. | F 22 |
| S 23 | 10 53 5 | 14°53'28 | 10♑17 | 18°28 | 5°57 | 23°38 | 9°57 | 11°18 | 10°19 | 0°33 | 26°37 | 17°31 | 16°23 | 26°42 | n.a. | S 23 |
| S 24 | 10 57 2 | 15°51'17 | 22°41 | 19°31 | 7° 6 | 24°20 | 10°11 | 11°23 | 10°16 | 0°32 | 26°35 | 17°R31 | 16°20 | 26°48 | n.a. | S 24 |
| M25 | 11 0 58 | 16°49'04 | 5♒26 | 20°37 | 8°16 | 25° 1 | 10°24 | 11°29 | 10°14 | 0°31 | 26°34 | 17°30 | 16°17 | 26°55 | n.a. | M25 |
| T 26 | 11 4 55 | 17°46'50 | 18°33 | 21°45 | 9°26 | 25°43 | 10°37 | 11°35 | 10°11 | 0°30 | 26°32 | 17°26 | 16°14 | 27° 2 | n.a. | T 26 |
| W27 | 11 8 51 | 18°44'34 | 2♓ 4 | 22°57 | 10°36 | 26°24 | 10°50 | 11°40 | 10° 9 | 0°29 | 26°31 | 17°20 | 16°11 | 27° 8 | n.a. | W27 |
| T 28 | 11 12 48 | 19°42'17 | 15°58 | 24°11 | 11°46 | 27° 5 | 11° 4 | 11°46 | 10° 6 | 0°28 | 26°29 | 17°12 | 16° 7 | 27°15 | n.a. | T 28 |
| F 29 | 11 16 45 | 20°39'58 | 0♈11 | 25°27 | 12°56 | 27°46 | 11°17 | 11°52 | 10° 4 | 0°27 | 26°28 | 17° 2 | 16° 4 | 27°22 | n.a. | F 29 |
| S 30 | 11 20 41 | 21°37'38 | 14°37 | 26°46 | 14° 6 | 28°27 | 11°31 | 11°58 | 10° 1 | 0°26 | 26°26 | 16°52 | 16° 1 | 27°28 | n.a. | S 30 |
| S 31 | 11 24 38 | 22♓35'16 | 29♈11 | 28♒ 7 | 15♒16 | 29♐ 8 | 11♈44 | 12♉ 4 | 9♍59 | 0♏25 | 26♌25 | 16♑43 | 15♑58 | 27♏35 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 13s56 | 0n31 | 4n35 | 15s48 | 1n56 | 23s 1 | 0n28 | 22s23 | 0s15 | 1n15 | 0s59 | 13n40 | 1s23 | 8n15 | 0n49 | 10s15 | 1n51 | 29n19 | 17n53 | 22s35 | 22s45 | 23s12 | | n.a. | F 1 |
| S 2 | 13 36 | 6 34 | 5 2 | 16 11 | 1 40 | 22 59 | 0 24 | 22 31 | 0 17 | 1 20 | 0 59 | 13 41 | 1 23 | 8 16 | 0 49 | 10 15 | 1 51 | 29 20 | 17 53 | 22 36 | 22 45 | 23 14 | | n.a. | S 2 |
| S 3 | 13 16 | 12 21 | 5 11 | 16 33 | 1 25 | 22 57 | 0 20 | 22 39 | 0 18 | 1 25 | 0 59 | 13 43 | 1 23 | 8 17 | 0 49 | 10 15 | 1 51 | 29 20 | 17 53 | 22 37 | 22 45 | 23 15 | | n.a. | S 3 |
| M 4 | 12 56 | 17 31 | 5 1 | 16 54 | 1 9 | 22 54 | 0 16 | 22 47 | 0 19 | 1 30 | 0 59 | 13 44 | 1 23 | 8 18 | 0 49 | 10 15 | 1 52 | 29 21 | 17 53 | 22 37 | 22 46 | 23 16 | | n.a. | M 4 |
| T 5 | 12 36 | 21 42 | 4 32 | 17 13 | 0 53 | 22 50 | 0 12 | 22 54 | 0 21 | 1 35 | 0 59 | 13 46 | 1 22 | 8 19 | 0 49 | 10 14 | 1 52 | 29 21 | 17 53 | 22 38 | 22 46 | 23 17 | | n.a. | T 5 |
| W 6 | 12 15 | 24 36 | 3 47 | 17 31 | 0 38 | 22 46 | 0 8 | 23 1 | 0 22 | 1 40 | 0 59 | 13 47 | 1 22 | 8 20 | 0 49 | 10 14 | 1 52 | 29 22 | 17 53 | 22 38 | 22 47 | 23 18 | | n.a. | W 6 |
| T 7 | 11 54 | 25 56 | 2 48 | 17 47 | 0 23 | 22 41 | 0 4 | 23 8 | 0 24 | 1 45 | 0 58 | 13 49 | 1 22 | 8 21 | 0 49 | 10 14 | 1 52 | 29 23 | 17 53 | 22 38 | 22 47 | 23 19 | | n.a. | T 7 |
| F 8 | 11 34 | 25 35 | 1 40 | 18 2 | 0 8 | 22 36 | 0s 0 | 23 15 | 0 25 | 1 51 | 0 58 | 13 50 | 1 22 | 8 22 | 0 49 | 10 14 | 1 52 | 29 23 | 17 53 | 22 37 | 22 48 | 23 21 | | n.a. | F 8 |
| S 9 | 11 12 | 23 38 | 0 26 | 18 14 | 0s 6 | 22 30 | 0 4 | 23 22 | 0 26 | 1 56 | 0 58 | 13 52 | 1 22 | 8 23 | 0 49 | 10 13 | 1 52 | 29 24 | 17 53 | 22 37 | 22 48 | 23 22 | | n.a. | S 9 |
| S 10 | 10 51 | 20 16 | 0s49 | 18 25 | 0 20 | 22 23 | 0 8 | 23 28 | 0 28 | 2 1 | 0 58 | 13 54 | 1 21 | 8 24 | 0 49 | 10 13 | 1 52 | 29 25 | 17 53 | 22 37 | 22 48 | 23 23 | | n.a. | S 10 |
| M11 | 10 30 | 15 51 | 2 0 | 18 34 | 0 34 | 22 16 | 0 12 | 23 35 | 0 29 | 2 6 | 0 58 | 13 55 | 1 21 | 8 24 | 0 49 | 10 13 | 1 52 | 29 25 | 17 53 | 22 38 | 22 49 | 23 24 | | n.a. | M11 |
| T 12 | 10 8 | 10 41 | 3 3 | 18 41 | 0 46 | 22 8 | 0 15 | 23 41 | 0 31 | 2 11 | 0 58 | 13 57 | 1 21 | 8 25 | 0 49 | 10 13 | 1 52 | 29 26 | 17 53 | 22 38 | 22 49 | 23 25 | | n.a. | T 12 |
| W13 | 9 47 | 5 8 | 3 55 | 18 46 | 0 58 | 21 59 | 0 19 | 23 47 | 0 32 | 2 17 | 0 57 | 13 59 | 1 21 | 8 26 | 0 49 | 10 12 | 1 52 | 29 26 | 17 53 | 22 39 | 22 50 | 23 26 | | n.a. | W13 |
| T 14 | 9 25 | 0s32 | 4 33 | 18 49 | 1 10 | 21 50 | 0 23 | 23 52 | 0 34 | 2 22 | 0 57 | 14 0 | 1 20 | 8 27 | 0 49 | 10 12 | 1 52 | 29 27 | 17 53 | 22 40 | 22 50 | 23 28 | | n.a. | T 14 |
| F 15 | 9 3 | 6 2 | 4 57 | 18 50 | 1 21 | 21 40 | 0 26 | 23 58 | 0 35 | 2 27 | 0 57 | 14 2 | 1 20 | 8 28 | 0 49 | 10 12 | 1 52 | 29 27 | 17 53 | 22 41 | 22 50 | 23 29 | | n.a. | F 15 |
| S 16 | 8 41 | 11 12 | 5 7 | 18 49 | 1 31 | 21 30 | 0 30 | 24 3 | 0 37 | 2 33 | 0 57 | 14 4 | 1 20 | 8 29 | 0 49 | 10 11 | 1 52 | 29 28 | 17 53 | 22 42 | 22 51 | 23 30 | | n.a. | S 16 |
| S 17 | 8 19 | 15 49 | 5 1 | 18 47 | 1 40 | 21 19 | 0 33 | 24 8 | 0 38 | 2 38 | 0 57 | 14 6 | 1 20 | 8 30 | 0 49 | 10 11 | 1 52 | 29 28 | 17 52 | 22 43 | 22 51 | 23 31 | | n.a. | S 17 |
| M18 | 7 57 | 19 44 | 4 43 | 18 42 | 1 49 | 21 7 | 0 36 | 24 13 | 0 40 | 2 43 | 0 57 | 14 7 | 1 20 | 8 31 | 0 49 | 10 11 | 1 52 | 29 29 | 17 52 | 22 44 | 22 52 | 23 32 | | n.a. | M18 |
| T 19 | 7 34 | 22 48 | 4 12 | 18 36 | 1 57 | 20 55 | 0 40 | 24 17 | 0 41 | 2 49 | 0 56 | 14 9 | 1 19 | 8 32 | 0 49 | 10 10 | 1 52 | 29 29 | 17 52 | 22 45 | 22 52 | 23 33 | | n.a. | T 19 |
| W20 | 7 12 | 24 53 | 3 31 | 18 27 | 2 5 | 20 42 | 0 43 | 24 22 | 0 43 | 2 54 | 0 56 | 14 11 | 1 19 | 8 33 | 0 49 | 10 10 | 1 52 | 29 30 | 17 52 | 22 45 | 22 52 | 23 34 | | n.a. | W20 |
| T 21 | 6 49 | 25 50 | 2 40 | 18 17 | 2 11 | 20 29 | 0 46 | 24 26 | 0 45 | 2 59 | 0 56 | 14 13 | 1 19 | 8 34 | 0 49 | 10 10 | 1 52 | 29 30 | 17 52 | 22 45 | 22 53 | 23 35 | | n.a. | T 21 |
| F 22 | 6 27 | 25 37 | 1 42 | 18 5 | 2 17 | 20 15 | 0 49 | 24 30 | 0 46 | 3 5 | 0 56 | 14 15 | 1 19 | 8 35 | 0 49 | 10 9 | 1 52 | 29 31 | 17 52 | 22 45 | 22 53 | 23 36 | | n.a. | F 22 |
| S 23 | 6 4 | 24 10 | 0 39 | 17 51 | 2 23 | 20 0 | 0 52 | 24 34 | 0 48 | 3 10 | 0 56 | 14 17 | 1 19 | 8 36 | 0 49 | 10 9 | 1 52 | 29 31 | 17 51 | 22 45 | 22 54 | 23 37 | | n.a. | S 23 |
| S 24 | 5 41 | 21 31 | 0n28 | 17 36 | 2 28 | 19 45 | 0 55 | 24 37 | 0 49 | 3 15 | 0 56 | 14 19 | 1 18 | 8 37 | 0 49 | 10 8 | 1 52 | 29 31 | 17 51 | 22 45 | 22 54 | 23 38 | | n.a. | S 24 |
| M25 | 5 18 | 17 46 | 1 34 | 17 18 | 2 32 | 19 29 | 0 57 | 24 41 | 0 51 | 3 21 | 0 56 | 14 21 | 1 18 | 8 38 | 0 49 | 10 8 | 1 52 | 29 32 | 17 51 | 22 45 | 22 54 | 23 40 | | n.a. | M25 |
| T 26 | 4 55 | 13 4 | 2 38 | 16 58 | 2 35 | 19 13 | 1 0 | 24 44 | 0 53 | 3 26 | 0 55 | 14 23 | 1 18 | 8 39 | 0 49 | 10 8 | 1 52 | 29 32 | 17 51 | 22 46 | 22 55 | 23 41 | | n.a. | T 26 |
| W27 | 4 32 | 7 37 | 3 34 | 16 37 | 2 38 | 18 56 | 1 3 | 24 47 | 0 54 | 3 32 | 0 55 | 14 25 | 1 18 | 8 40 | 0 49 | 10 7 | 1 53 | 29 33 | 17 51 | 22 46 | 22 55 | 23 42 | | n.a. | W27 |
| T 28 | 4 9 | 1 40 | 4 20 | 16 14 | 2 40 | 18 39 | 1 5 | 24 49 | 0 56 | 3 37 | 0 55 | 14 27 | 1 18 | 8 41 | 0 49 | 10 7 | 1 53 | 29 33 | 17 50 | 22 47 | 22 56 | 23 43 | | n.a. | T 28 |
| F 29 | 3 46 | 4n30 | 4 50 | 15 49 | 2 41 | 18 21 | 1 8 | 24 52 | 0 58 | 3 43 | 0 55 | 14 29 | 1 18 | 8 42 | 0 49 | 10 6 | 1 53 | 29 33 | 17 50 | 22 49 | 22 56 | 23 44 | | n.a. | F 29 |
| S 30 | 3 23 | 10 31 | 5 3 | 15 22 | 2 42 | 18 3 | 1 10 | 24 54 | 0 59 | 3 48 | 0 55 | 14 31 | 1 17 | 8 43 | 0 49 | 10 6 | 1 53 | 29 34 | 17 50 | 22 50 | 22 56 | 23 45 | | n.a. | S 30 |
| S 31 | 3s 0 | 16n 0 | 4n56 | 14s54 | 2s42 | 17s44 | 1s13 | 24s56 | 1s 1 | 3n54 | 0s55 | 14n33 | 1s17 | 8n44 | 0n49 | 10s 5 | 1n53 | 29n34 | 17n50 | 22s51 | 22s57 | 23s46 | | n.a. | S 31 |

Julian Day Number = 1000478.5, Delta T = 12h51m47s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'14, Lahiri = -31°10'13 Julian Calendar 1 March 1974 BCE == Greg. Calendar 12 Feb. 1974 BCE

The year -1973 astronomical counting style corresponds to year 1974 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## APRIL 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 28 34 | 23♓32'53 | 13♉45 | 29♒31 | 16♒26 | 29♐49 | 11♈58 | 12♉10 | 9°R56 | 0°R23 | 26°R23 | 16°R36 | 15♏55 | 27♏42 | n.a. | M 1 |
| T 2 | 11 32 31 | 24°30'28 | 28°13 | 0♓56 | 17°36 | 0♏30 | 12°11 | 12°16 | 9♍54 | 0♏22 | 26♌22 | 16♏31 | 15°52 | 27°48 | n.a. | T 2 |
| W 3 | 11 36 27 | 25°28'01 | 12♊32 | 2°25 | 18°47 | 1°11 | 12°25 | 12°22 | 9°51 | 0°21 | 26°20 | 16°29 | 15°48 | 27°55 | n.a. | W 3 |
| T 4 | 11 40 24 | 26°25'33 | 26°38 | 3°55 | 19°57 | 1°52 | 12°38 | 12°28 | 9°49 | 0°20 | 26°19 | 16°D28 | 15°45 | 28° 2 | n.a. | T 4 |
| F 5 | 11 44 20 | 27°23'03 | 10♋32 | 5°28 | 21° 7 | 2°33 | 12°52 | 12°35 | 9°47 | 0°18 | 26°18 | 16°R28 | 15°42 | 28° 9 | n.a. | F 5 |
| S 6 | 11 48 17 | 28°20'31 | 24°13 | 7° 3 | 22°18 | 3°13 | 13° 5 | 12°41 | 9°44 | 0°17 | 26°16 | 16°28 | 15°39 | 28°15 | n.a. | S 6 |
| S 7 | 11 52 14 | 29°17'58 | 7♌41 | 8°40 | 23°28 | 3°54 | 13°19 | 12°48 | 9°42 | 0°16 | 26°15 | 16°27 | 15°36 | 28°22 | n.a. | S 7 |
| M 8 | 11 56 10 | 0♈15'23 | 20°58 | 10°19 | 24°39 | 4°34 | 13°33 | 12°54 | 9°40 | 0°14 | 26°14 | 16°23 | 15°33 | 28°29 | n.a. | M 8 |
| T 9 | 12 0 7 | 1°12'47 | 4♍ 4 | 12° 1 | 25°49 | 5°15 | 13°46 | 13° 0 | 9°37 | 0°13 | 26°12 | 16°16 | 15°29 | 28°35 | n.a. | T 9 |
| W10 | 12 4 3 | 2°10'09 | 16°59 | 13°45 | 27° 0 | 5°55 | 14° 0 | 13° 7 | 9°35 | 0°12 | 26°11 | 16° 6 | 15°26 | 28°42 | n.a. | W10 |
| T 11 | 12 8 0 | 3° 7'30 | 29°42 | 15°31 | 28°11 | 6°35 | 14°14 | 13°14 | 9°33 | 0°10 | 26°10 | 15°55 | 15°23 | 28°49 | n.a. | T 11 |
| F 12 | 12 11 56 | 4° 4'50 | 12♎13 | 17°19 | 29°21 | 7°15 | 14°27 | 13°20 | 9°30 | 0° 9 | 26° 8 | 15°42 | 15°20 | 28°55 | n.a. | F 12 |
| S 13 | 12 15 53 | 5° 2'09 | 24°33 | 19°10 | 0♓32 | 7°56 | 14°41 | 13°27 | 9°28 | 0° 8 | 26° 7 | 15°29 | 15°17 | 29° 2 | n.a. | S 13 |
| S 14 | 12 19 49 | 5°59'28 | 6♏42 | 21° 2 | 1°43 | 8°36 | 14°55 | 13°34 | 9°26 | 0° 6 | 26° 6 | 15°18 | 15°13 | 29° 9 | n.a. | S 14 |
| M15 | 12 23 46 | 6°56'45 | 18°41 | 22°57 | 2°54 | 9°16 | 15° 8 | 13°40 | 9°24 | 0° 5 | 26° 5 | 15° 8 | 15°10 | 29°15 | n.a. | M15 |
| T 16 | 12 27 43 | 7°54'01 | 0♐34 | 24°54 | 4° 5 | 9°55 | 15°22 | 13°47 | 9°22 | 0° 3 | 26° 4 | 15° 1 | 15° 7 | 29°22 | n.a. | T 16 |
| W17 | 12 31 39 | 8°51'17 | 12°23 | 26°53 | 5°15 | 10°35 | 15°36 | 13°54 | 9°20 | 0° 2 | 26° 3 | 14°56 | 15° 4 | 29°29 | n.a. | W17 |
| T 18 | 12 35 36 | 9°48'32 | 24°14 | 28°54 | 6°26 | 11°15 | 15°50 | 14° 1 | 9°18 | 0° 0 | 26° 1 | 14°54 | 15° 1 | 29°35 | n.a. | T 18 |
| F 19 | 12 39 32 | 10°45'46 | 6♑10 | 0♈57 | 7°37 | 11°54 | 16° 4 | 14° 8 | 9°15 | 29♎59 | 26° 0 | 14°53 | 14°58 | 29°42 | n.a. | F 19 |
| S 20 | 12 43 29 | 11°43'00 | 18°17 | 3° 1 | 8°49 | 12°34 | 16°17 | 14°15 | 9°13 | 29°57 | 25°59 | 14°53 | 14°54 | 29°49 | n.a. | S 20 |
| S 21 | 12 47 25 | 12°40'13 | 0♒41 | 5° 7 | 10° 0 | 13°13 | 16°31 | 14°22 | 9°11 | 29°56 | 25°58 | 14°52 | 14°51 | 29°56 | n.a. | S 21 |
| M22 | 12 51 22 | 13°37'25 | 13°26 | 7°15 | 11°11 | 13°52 | 16°45 | 14°29 | 9°10 | 29°54 | 25°57 | 14°50 | 14°48 | 0♐ 2 | n.a. | M22 |
| T 23 | 12 55 18 | 14°34'37 | 26°37 | 9°24 | 12°22 | 14°31 | 16°59 | 14°36 | 9° 8 | 29°53 | 25°56 | 14°46 | 14°45 | 0° 9 | n.a. | T 23 |
| W24 | 12 59 15 | 15°31'49 | 10♓15 | 11°33 | 13°33 | 15°10 | 17°13 | 14°44 | 9° 6 | 29°51 | 25°55 | 14°39 | 14°42 | 0°16 | n.a. | W24 |
| T 25 | 13 3 12 | 16°29'00 | 24°21 | 13°44 | 14°44 | 15°49 | 17°26 | 14°51 | 9° 4 | 29°50 | 25°54 | 14°30 | 14°38 | 0°22 | n.a. | T 25 |
| F 26 | 13 7 8 | 17°26'10 | 8♈51 | 15°55 | 15°56 | 16°28 | 17°40 | 14°58 | 9° 2 | 29°48 | 25°54 | 14°19 | 14°35 | 0°29 | n.a. | F 26 |
| S 27 | 13 11 5 | 18°23'19 | 23°38 | 18° 7 | 17° 7 | 17° 6 | 17°54 | 15° 5 | 9° 0 | 29°46 | 25°53 | 14° 8 | 14°32 | 0°36 | n.a. | S 27 |
| S 28 | 13 15 1 | 19°20'29 | 8♉35 | 20°18 | 18°19 | 17°45 | 18° 8 | 15°13 | 8°59 | 29°45 | 25°52 | 13°58 | 14°29 | 0°42 | n.a. | S 28 |
| M29 | 13 18 58 | 20°17'37 | 23°32 | 22°30 | 19°30 | 18°23 | 18°22 | 15°20 | 8°57 | 29°43 | 25°51 | 13°49 | 14°26 | 0°49 | n.a. | M29 |
| T 30 | 13 22 54 | 21♈14'45 | 8♊20 | 24♈41 | 20♓41 | 19♏ 1 | 18♈35 | 15♉27 | 8♍55 | 29♎42 | 25♌50 | 13♏44 | 14♏23 | 0♐56 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 2s37 | 20n34 | 4n30 | 14s24 | 2s42 | 17s25 | 1s15 | 24s58 | 1s 3 | 3n59 | 0s55 | 14n35 | 1s17 | 8n45 | 0n49 | 10s 5 | 1n53 | 29n34 | 17n49 | 22s52 | 22s57 | 23s47 | | n.a. |
| T 2 | 2 13 | 23 51 | 3 47 | 13 51 | 2 41 | 17 5 | 1 17 | 25 0 | 1 5 | 4 5 | 0 54 | 14 37 | 1 17 | 8 46 | 0 49 | 10 4 | 1 53 | 29 35 | 17 49 | 22 53 | 22 58 | 23 48 | | n.a. |
| W 3 | 1 50 | 25 34 | 2 50 | 13 18 | 2 39 | 16 45 | 1 19 | 25 1 | 1 6 | 4 10 | 0 54 | 14 39 | 1 17 | 8 47 | 0 49 | 10 4 | 1 53 | 29 35 | 17 49 | 22 53 | 22 58 | 23 49 | | n.a. |
| T 4 | 1 27 | 25 36 | 1 43 | 12 42 | 2 37 | 16 24 | 1 21 | 25 3 | 1 8 | 4 16 | 0 54 | 14 41 | 1 16 | 8 48 | 0 49 | 10 4 | 1 53 | 29 35 | 17 49 | 22 53 | 22 58 | 23 50 | | n.a. |
| F 5 | 1 4 | 24 1 | 0 32 | 12 4 | 2 34 | 16 3 | 1 23 | 25 4 | 1 10 | 4 21 | 0 54 | 14 43 | 1 16 | 8 48 | 0 49 | 10 3 | 1 53 | 29 35 | 17 48 | 22 53 | 22 59 | 23 51 | | n.a. |
| S 6 | 0 40 | 21 2 | 0s41 | 11 25 | 2 31 | 15 42 | 1 25 | 25 5 | 1 12 | 4 27 | 0 54 | 14 45 | 1 16 | 8 49 | 0 49 | 10 3 | 1 53 | 29 36 | 17 48 | 22 53 | 22 59 | 23 52 | | n.a. |
| S 7 | 0 17 | 16 57 | 1 50 | 10 44 | 2 27 | 15 20 | 1 27 | 25 5 | 1 14 | 4 32 | 0 54 | 14 47 | 1 16 | 8 50 | 0 49 | 10 2 | 1 53 | 29 36 | 17 48 | 22 53 | 22 59 | 23 53 | | n.a. |
| M 8 | 0n 6 | 12 5 | 2 52 | 10 2 | 2 22 | 14 57 | 1 28 | 25 6 | 1 15 | 4 38 | 0 54 | 14 49 | 1 16 | 8 51 | 0 49 | 10 2 | 1 53 | 29 36 | 17 47 | 22 54 | 23 0 | 23 54 | | n.a. |
| T 9 | 0 30 | 6 45 | 3 44 | 9 17 | 2 17 | 14 35 | 1 30 | 25 6 | 1 17 | 4 43 | 0 54 | 14 51 | 1 16 | 8 52 | 0 49 | 10 1 | 1 53 | 29 36 | 17 47 | 22 55 | 23 0 | 23 55 | | n.a. |
| W10 | 0 53 | 1 13 | 4 23 | 8 31 | 2 11 | 14 11 | 1 32 | 25 6 | 1 19 | 4 49 | 0 53 | 14 54 | 1 15 | 8 53 | 0 49 | 10 1 | 1 53 | 29 36 | 17 47 | 22 56 | 23 1 | 23 56 | | n.a. |
| T 11 | 1 16 | 4s17 | 4 49 | 7 44 | 2 5 | 13 48 | 1 33 | 25 6 | 1 21 | 4 54 | 0 53 | 14 56 | 1 15 | 8 54 | 0 49 | 10 0 | 1 53 | 29 36 | 17 46 | 22 57 | 23 1 | 23 56 | | n.a. |
| F 12 | 1 39 | 9 30 | 5 0 | 6 55 | 1 58 | 13 24 | 1 34 | 25 6 | 1 23 | 5 0 | 0 53 | 14 58 | 1 15 | 8 55 | 0 49 | 10 0 | 1 53 | 29 37 | 17 46 | 22 59 | 23 1 | 23 57 | | n.a. |
| S 13 | 2 2 | 14 17 | 4 57 | 6 4 | 1 51 | 13 0 | 1 36 | 25 5 | 1 25 | 5 5 | 0 53 | 15 0 | 1 15 | 8 55 | 0 49 | 9 59 | 1 53 | 29 37 | 17 46 | 23 0 | 23 2 | 23 58 | | n.a. |
| S 14 | 2 26 | 18 25 | 4 40 | 5 11 | 1 43 | 12 35 | 1 37 | 25 5 | 1 27 | 5 11 | 0 53 | 15 2 | 1 15 | 8 56 | 0 49 | 9 58 | 1 53 | 29 37 | 17 45 | 23 2 | 23 2 | 23 59 | | n.a. |
| M15 | 2 49 | 21 45 | 4 11 | 4 18 | 1 34 | 12 10 | 1 38 | 25 4 | 1 29 | 5 16 | 0 53 | 15 5 | 1 15 | 8 57 | 0 49 | 9 58 | 1 53 | 29 37 | 17 45 | 23 3 | 23 2 | 24 0 | | n.a. |
| T 16 | 3 12 | 24 7 | 3 32 | 3 22 | 1 26 | 11 45 | 1 39 | 25 3 | 1 31 | 5 22 | 0 53 | 15 7 | 1 14 | 8 58 | 0 49 | 9 57 | 1 53 | 29 37 | 17 44 | 23 3 | 23 3 | 24 1 | | n.a. |
| W17 | 3 35 | 25 26 | 2 43 | 2 26 | 1 17 | 11 19 | 1 40 | 25 2 | 1 32 | 5 27 | 0 53 | 15 9 | 1 14 | 8 59 | 0 49 | 9 57 | 1 53 | 29 37 | 17 44 | 23 4 | 23 3 | 24 2 | | n.a. |
| T 18 | 3 58 | 25 35 | 1 47 | 1 28 | 1 7 | 10 53 | 1 41 | 25 0 | 1 34 | 5 33 | 0 53 | 15 11 | 1 14 | 8 59 | 0 48 | 9 56 | 1 53 | 29 37 | 17 44 | 23 4 | 23 3 | 24 3 | | n.a. |
| F 19 | 4 21 | 24 32 | 0 46 | 0 29 | 0 57 | 10 27 | 1 42 | 24 59 | 1 36 | 5 38 | 0 53 | 15 14 | 1 14 | 9 0 | 0 48 | 9 56 | 1 53 | 29 37 | 17 43 | 23 4 | 23 4 | 24 4 | | n.a. |
| S 20 | 4 43 | 22 21 | 0n18 | 0n30 | 0 47 | 10 0 | 1 42 | 24 57 | 1 38 | 5 44 | 0 52 | 15 16 | 1 14 | 9 1 | 0 48 | 9 55 | 1 53 | 29 37 | 17 43 | 23 4 | 23 4 | 24 5 | | n.a. |
| S 21 | 5 6 | 19 4 | 1 23 | 1 31 | 0 37 | 9 33 | 1 43 | 24 55 | 1 40 | 5 49 | 0 52 | 15 18 | 1 14 | 9 2 | 0 48 | 9 55 | 1 53 | 29 37 | 17 42 | 23 4 | 23 5 | 24 6 | | n.a. |
| M22 | 5 29 | 14 49 | 2 25 | 2 32 | 0 26 | 9 6 | 1 43 | 24 53 | 1 42 | 5 55 | 0 52 | 15 20 | 1 14 | 9 2 | 0 48 | 9 54 | 1 53 | 29 37 | 17 42 | 23 5 | 23 5 | 24 6 | | n.a. |
| T 23 | 5 51 | 9 44 | 3 22 | 3 33 | 0 16 | 8 39 | 1 44 | 24 51 | 1 44 | 6 0 | 0 52 | 15 23 | 1 13 | 9 3 | 0 48 | 9 54 | 1 53 | 29 37 | 17 41 | 23 5 | 23 5 | 24 7 | | n.a. |
| W24 | 6 14 | 4 3 | 4 9 | 4 35 | 0 5 | 8 11 | 1 44 | 24 48 | 1 46 | 6 5 | 0 52 | 15 25 | 1 13 | 9 4 | 0 48 | 9 53 | 1 53 | 29 37 | 17 41 | 23 6 | 23 6 | 24 8 | | n.a. |
| T 25 | 6 36 | 2n 1 | 4 42 | 5 36 | 0n 5 | 7 44 | 1 45 | 24 46 | 1 49 | 6 11 | 0 52 | 15 27 | 1 13 | 9 4 | 0 48 | 9 52 | 1 53 | 29 37 | 17 41 | 23 7 | 23 6 | 24 9 | | n.a. |
| F 26 | 6 59 | 8 8 | 4 59 | 6 38 | 0 16 | 7 16 | 1 45 | 24 43 | 1 51 | 6 16 | 0 52 | 15 30 | 1 13 | 9 5 | 0 48 | 9 52 | 1 53 | 29 37 | 17 40 | 23 8 | 23 6 | 24 10 | | n.a. |
| S 27 | 7 21 | 13 56 | 4 56 | 7 39 | 0 26 | 6 47 | 1 45 | 24 40 | 1 53 | 6 22 | 0 52 | 15 32 | 1 13 | 9 6 | 0 48 | 9 51 | 1 53 | 29 36 | 17 40 | 23 9 | 23 7 | 24 11 | | n.a. |
| S 28 | 7 43 | 18 57 | 4 34 | 8 39 | 0 36 | 6 19 | 1 45 | 24 37 | 1 55 | 6 27 | 0 52 | 15 34 | 1 13 | 9 6 | 0 48 | 9 51 | 1 53 | 29 36 | 17 39 | 23 10 | 23 7 | 24 12 | | n.a. |
| M29 | 8 5 | 22 46 | 3 52 | 9 38 | 0 46 | 5 50 | 1 45 | 24 34 | 1 57 | 6 33 | 0 52 | 15 36 | 1 13 | 9 7 | 0 48 | 9 50 | 1 53 | 29 36 | 17 39 | 23 11 | 23 7 | 24 12 | | n.a. |
| T 30 | 8n27 | 25n 1 | 2n55 | 10n36 | 0n55 | 5s22 | 1s45 | 24s30 | 1s59 | 6n38 | 0s52 | 15n39 | 1s12 | 9n 8 | 0n48 | 9s50 | 1n53 | 29n36 | 17n38 | 23s12 | 23s 8 | 24s13 | | n.a. |

Julian Day Number = 1000509.5, Delta T = 12h51m45s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'09, Lahiri = -31°10'09 Julian Calendar 1 Apr. 1974 BCE == Greg. Calendar 15 March 1974 BCE


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## MAY 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 26 51 | 22♈11'52 | 22♊54 | 26♈51 | 21♓53 | 19♑39 | 18♈49 | 15♉35 | 8°R54 | 29°R40 | 25°R50 | 13°R41 | 14♑19 | 1♐ 2 | n.a. | W 1 |
| T 2 | 13 30 48 | 23° 8'58 | 7♋ 9 | 28°59 | 23° 4 | 20°17 | 19° 3 | 15°42 | 8♍52 | 29♎38 | 25♌49 | 13♑39 | 14°16 | 1° 9 | n.a. | T 2 |
| F 3 | 13 34 44 | 24° 6'04 | 21° 4 | 1♉ 7 | 24°16 | 20°54 | 19°17 | 15°50 | 8°50 | 29°37 | 25°48 | 13°39 | 14°13 | 1°16 | n.a. | F 3 |
| S 4 | 13 38 41 | 25° 3'08 | 4♌40 | 3°14 | 25°28 | 21°32 | 19°31 | 15°57 | 8°49 | 29°35 | 25°47 | 13°39 | 14°10 | 1°22 | n.a. | S 4 |
| S 5 | 13 42 37 | 26° 0'12 | 17°58 | 5°18 | 26°39 | 22° 9 | 19°44 | 16° 5 | 8°47 | 29°34 | 25°47 | 13°38 | 14° 7 | 1°29 | n.a. | S 5 |
| M 6 | 13 46 34 | 26°57'16 | 1♍ 1 | 7°22 | 27°51 | 22°46 | 19°58 | 16°12 | 8°46 | 29°32 | 25°46 | 13°34 | 14° 4 | 1°36 | n.a. | M 6 |
| T 7 | 13 50 30 | 27°54'18 | 13°50 | 9°23 | 29° 3 | 23°24 | 20°12 | 16°20 | 8°45 | 29°30 | 25°46 | 13°27 | 14° 0 | 1°42 | n.a. | T 7 |
| W 8 | 13 54 27 | 28°51'21 | 26°27 | 11°22 | 0♈14 | 24° 0 | 20°26 | 16°28 | 8°43 | 29°29 | 25°45 | 13°18 | 13°57 | 1°49 | n.a. | W 8 |
| T 9 | 13 58 23 | 29°48'23 | 8♎53 | 13°20 | 1°26 | 24°37 | 20°39 | 16°35 | 8°42 | 29°27 | 25°45 | 13° 7 | 13°54 | 1°56 | n.a. | T 9 |
| F 10 | 14 2 20 | 0♉45'24 | 21°10 | 15°15 | 2°38 | 25°14 | 20°53 | 16°43 | 8°41 | 29°26 | 25°44 | 12°55 | 13°51 | 2° 3 | n.a. | F 10 |
| S 11 | 14 6 17 | 1°42'26 | 3♏18 | 17° 8 | 3°50 | 25°50 | 21° 7 | 16°50 | 8°40 | 29°24 | 25°44 | 12°42 | 13°48 | 2° 9 | n.a. | S 11 |
| S 12 | 14 10 13 | 2°39'27 | 15°18 | 18°59 | 5° 2 | 26°26 | 21°20 | 16°58 | 8°38 | 29°22 | 25°43 | 12°31 | 13°44 | 2°16 | n.a. | S 12 |
| M13 | 14 14 10 | 3°36'28 | 27°13 | 20°48 | 6°14 | 27° 2 | 21°34 | 17° 6 | 8°37 | 29°21 | 25°43 | 12°21 | 13°41 | 2°23 | n.a. | M13 |
| T 14 | 14 18 6 | 4°33'30 | 9♐ 2 | 22°35 | 7°26 | 27°38 | 21°47 | 17°14 | 8°36 | 29°19 | 25°43 | 12°14 | 13°38 | 2°29 | n.a. | T 14 |
| W15 | 14 22 3 | 5°30'31 | 20°51 | 24°20 | 8°38 | 28°13 | 22° 1 | 17°21 | 8°35 | 29°17 | 25°42 | 12°10 | 13°35 | 2°36 | n.a. | W15 |
| T 16 | 14 25 59 | 6°27'33 | 2♑41 | 26° 2 | 9°50 | 28°49 | 22°15 | 17°29 | 8°34 | 29°16 | 25°42 | 12° 7 | 13°32 | 2°43 | n.a. | T 16 |
| F 17 | 14 29 56 | 7°24'35 | 14°37 | 27°43 | 11° 2 | 29°24 | 22°28 | 17°37 | 8°33 | 29°14 | 25°42 | 12°D 7 | 13°29 | 2°49 | n.a. | F 17 |
| S 18 | 14 33 53 | 8°21'37 | 26°43 | 29°21 | 12°14 | 29°59 | 22°42 | 17°45 | 8°32 | 29°13 | 25°42 | 12° 8 | 13°25 | 2°56 | n.a. | S 18 |
| S 19 | 14 37 49 | 9°18'40 | 9♒ 6 | 0♊57 | 13°26 | 0♒33 | 22°55 | 17°52 | 8°32 | 29°11 | 25°41 | 12°R 8 | 13°22 | 3° 3 | n.a. | S 19 |
| M20 | 14 41 46 | 10°15'43 | 21°49 | 2°30 | 14°38 | 1° 8 | 23° 9 | 18° 0 | 8°31 | 29° 9 | 25°41 | 12° 7 | 13°19 | 3° 9 | n.a. | M20 |
| T 21 | 14 45 42 | 11°12'46 | 4♓57 | 4° 2 | 15°51 | 1°42 | 23°22 | 18° 8 | 8°30 | 29° 8 | 25°41 | 12° 5 | 13°16 | 3°16 | n.a. | T 21 |
| W22 | 14 49 39 | 12° 9'50 | 18°34 | 5°31 | 17° 3 | 2°16 | 23°36 | 18°16 | 8°29 | 29° 6 | 25°41 | 12° 0 | 13°13 | 3°23 | n.a. | W22 |
| T 23 | 14 53 35 | 13° 6'55 | 2♈40 | 6°58 | 18°15 | 2°49 | 23°49 | 18°24 | 8°29 | 29° 5 | 25°41 | 11°54 | 13° 9 | 3°29 | n.a. | T 23 |
| F 24 | 14 57 32 | 14° 3'59 | 17°13 | 8°23 | 19°28 | 3°23 | 24° 2 | 18°31 | 8°28 | 29° 3 | 25°D41 | 11°46 | 13° 6 | 3°36 | n.a. | F 24 |
| S 25 | 15 1 28 | 15° 1'05 | 2♉ 8 | 9°46 | 20°40 | 3°56 | 24°16 | 18°39 | 8°28 | 29° 2 | 25°41 | 11°37 | 13° 3 | 3°43 | n.a. | S 25 |
| S 26 | 15 5 25 | 15°58'11 | 17°17 | 11° 6 | 21°52 | 4°29 | 24°29 | 18°47 | 8°27 | 29° 0 | 25°41 | 11°29 | 13° 0 | 3°49 | n.a. | S 26 |
| M27 | 15 9 22 | 16°55'17 | 2♊29 | 12°23 | 23° 5 | 5° 2 | 24°42 | 18°55 | 8°27 | 28°59 | 25°41 | 11°23 | 12°57 | 3°56 | n.a. | M27 |
| T 28 | 15 13 18 | 17°52'24 | 17°34 | 13°39 | 24°17 | 5°34 | 24°55 | 19° 3 | 8°26 | 28°57 | 25°41 | 11°19 | 12°54 | 4° 3 | n.a. | T 28 |
| W29 | 15 17 15 | 18°49'31 | 2♋24 | 14°52 | 25°30 | 6° 6 | 25° 9 | 19°11 | 8°26 | 28°56 | 25°42 | 11°16 | 12°50 | 4° 9 | n.a. | W29 |
| T 30 | 15 21 11 | 19°46'38 | 16°53 | 16° 2 | 26°43 | 6°37 | 25°22 | 19°18 | 8°26 | 28°54 | 25°42 | 11°D16 | 12°47 | 4°16 | n.a. | T 30 |
| F 31 | 15 25 8 | 20♉43'45 | 0♌57 | 17♊ 9 | 27♈55 | 7♒ 9 | 25♈35 | 19♉26 | 8♍26 | 28♎53 | 25♌42 | 11♑17 | 12♑44 | 4♐23 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 8n49 | 25n31 | 1n47 | 11n33 | 1n 4 | 4s53 | 1s45 | 24s27 | 2s 1 | 6n44 | 0s52 | 15n41 | 1s12 | 9n 8 | 0n48 | 9s49 | 1n53 | 29n36 | 17n38 | 23s12 | 23s 8 | 24s14 | | | n.a. |
| T 2 | 9 10 | 24 18 | 0 34 | 12 28 | 1 13 | 4 24 | 1 44 | 24 23 | 2 3 | 6 49 | 0 51 | 15 43 | 1 12 | 9 9 | 0 48 | 9 48 | 1 53 | 29 36 | 17 37 | 23 12 | 23 8 | 24 15 | | | n.a. |
| F 3 | 9 32 | 21 35 | 0s39 | 13 21 | 1 21 | 3 55 | 1 44 | 24 19 | 2 5 | 6 54 | 0 51 | 15 46 | 1 12 | 9 9 | 0 48 | 9 48 | 1 53 | 29 35 | 17 37 | 23 12 | 23 9 | 24 16 | | | n.a. |
| S 4 | 9 53 | 17 43 | 1 49 | 14 13 | 1 28 | 3 25 | 1 44 | 24 16 | 2 8 | 7 0 | 0 51 | 15 48 | 1 12 | 9 10 | 0 48 | 9 47 | 1 53 | 29 35 | 17 36 | 23 12 | 23 9 | 24 16 | | | n.a. |
| S 5 | 10 14 | 13 3 | 2 51 | 15 2 | 1 35 | 2 56 | 1 43 | 24 12 | 2 10 | 7 5 | 0 51 | 15 50 | 1 12 | 9 10 | 0 48 | 9 47 | 1 53 | 29 35 | 17 36 | 23 13 | 23 9 | 24 17 | | | n.a. |
| M 6 | 10 35 | 7 52 | 3 43 | 15 50 | 1 41 | 2 26 | 1 43 | 24 7 | 2 12 | 7 10 | 0 51 | 15 53 | 1 12 | 9 11 | 0 48 | 9 46 | 1 53 | 29 35 | 17 35 | 23 13 | 23 10 | 24 18 | | | n.a. |
| T 7 | 10 56 | 2 28 | 4 22 | 16 35 | 1 46 | 1 57 | 1 42 | 24 3 | 2 14 | 7 16 | 0 51 | 15 55 | 1 12 | 9 11 | 0 48 | 9 46 | 1 53 | 29 34 | 17 35 | 23 14 | 23 10 | 24 19 | | | n.a. |
| W 8 | 11 17 | 2s57 | 4 49 | 17 18 | 1 51 | 1 27 | 1 41 | 23 59 | 2 16 | 7 21 | 0 51 | 15 57 | 1 11 | 9 12 | 0 48 | 9 45 | 1 53 | 29 34 | 17 34 | 23 15 | 23 10 | 24 19 | | | n.a. |
| T 9 | 11 38 | 8 10 | 5 0 | 17 59 | 1 55 | 0 57 | 1 41 | 23 54 | 2 19 | 7 26 | 0 51 | 16 0 | 1 11 | 9 12 | 0 48 | 9 44 | 1 53 | 29 34 | 17 34 | 23 16 | 23 11 | 24 20 | | | n.a. |
| F 10 | 11 58 | 13 0 | 4 58 | 18 38 | 1 59 | 0 27 | 1 40 | 23 50 | 2 21 | 7 32 | 0 51 | 16 2 | 1 11 | 9 13 | 0 48 | 9 44 | 1 53 | 29 34 | 17 33 | 23 17 | 23 11 | 24 21 | | | n.a. |
| S 11 | 12 18 | 17 16 | 4 42 | 19 14 | 2 2 | 0n 3 | 1 39 | 23 45 | 2 23 | 7 37 | 0 51 | 16 4 | 1 11 | 9 13 | 0 48 | 9 43 | 1 53 | 29 33 | 17 33 | 23 18 | 23 11 | 24 22 | | | n.a. |
| S 12 | 12 38 | 20 48 | 4 14 | 19 48 | 2 4 | 0 33 | 1 38 | 23 40 | 2 26 | 7 42 | 0 51 | 16 7 | 1 11 | 9 14 | 0 48 | 9 43 | 1 53 | 29 33 | 17 32 | 23 19 | 23 12 | 24 22 | | | n.a. |
| M13 | 12 58 | 23 25 | 3 35 | 20 19 | 2 5 | 1 3 | 1 37 | 23 35 | 2 28 | 7 47 | 0 51 | 16 9 | 1 11 | 9 14 | 0 48 | 9 42 | 1 53 | 29 33 | 17 32 | 23 20 | 23 12 | 24 23 | | | n.a. |
| T 14 | 13 18 | 24 59 | 2 46 | 20 49 | 2 6 | 1 33 | 1 36 | 23 30 | 2 30 | 7 53 | 0 51 | 16 11 | 1 11 | 9 14 | 0 48 | 9 42 | 1 53 | 29 32 | 17 31 | 23 21 | 23 12 | 24 24 | | | n.a. |
| W15 | 13 37 | 25 27 | 1 51 | 21 16 | 2 6 | 2 2 | 1 35 | 23 25 | 2 32 | 7 58 | 0 51 | 16 13 | 1 11 | 9 15 | 0 48 | 9 41 | 1 53 | 29 32 | 17 30 | 23 21 | 23 13 | 24 25 | | | n.a. |
| T 16 | 13 57 | 24 44 | 0 50 | 21 41 | 2 5 | 2 32 | 1 34 | 23 20 | 2 35 | 8 3 | 0 51 | 16 16 | 1 11 | 9 15 | 0 48 | 9 40 | 1 53 | 29 31 | 17 30 | 23 21 | 23 13 | 24 25 | | | n.a. |
| F 17 | 14 16 | 22 53 | 0n13 | 22 4 | 2 4 | 3 2 | 1 32 | 23 15 | 2 37 | 8 8 | 0 50 | 16 18 | 1 11 | 9 15 | 0 47 | 9 40 | 1 53 | 29 31 | 17 29 | 23 21 | 23 13 | 24 26 | | | n.a. |
| S 18 | 14 34 | 19 58 | 1 17 | 22 24 | 2 3 | 3 32 | 1 31 | 23 9 | 2 39 | 8 13 | 0 50 | 16 20 | 1 10 | 9 16 | 0 47 | 9 39 | 1 53 | 29 31 | 17 29 | 23 21 | 23 14 | 24 27 | | | n.a. |
| S 19 | 14 53 | 16 7 | 2 19 | 22 43 | 2 0 | 4 2 | 1 30 | 23 4 | 2 42 | 8 19 | 0 50 | 16 23 | 1 10 | 9 16 | 0 47 | 9 39 | 1 53 | 29 30 | 17 28 | 23 21 | 23 14 | 24 27 | | | n.a. |
| M20 | 15 12 | 11 26 | 3 16 | 23 0 | 1 57 | 4 32 | 1 28 | 22 59 | 2 44 | 8 24 | 0 50 | 16 25 | 1 10 | 9 16 | 0 47 | 9 38 | 1 53 | 29 30 | 17 28 | 23 21 | 23 14 | 24 28 | | | n.a. |
| T 21 | 15 30 | 6 7 | 4 4 | 23 14 | 1 53 | 5 2 | 1 27 | 22 53 | 2 47 | 8 29 | 0 50 | 16 27 | 1 10 | 9 16 | 0 47 | 9 38 | 1 53 | 29 29 | 17 27 | 23 22 | 23 15 | 24 29 | | | n.a. |
| W22 | 15 48 | 0 20 | 4 40 | 23 27 | 1 49 | 5 31 | 1 25 | 22 47 | 2 49 | 8 34 | 0 50 | 16 30 | 1 10 | 9 17 | 0 47 | 9 37 | 1 53 | 29 29 | 17 27 | 23 22 | 23 15 | 24 29 | | | n.a. |
| T 23 | 16 5 | 5n40 | 5 1 | 23 38 | 1 44 | 6 1 | 1 23 | 22 42 | 2 51 | 8 39 | 0 50 | 16 32 | 1 10 | 9 17 | 0 47 | 9 37 | 1 53 | 29 28 | 17 26 | 23 23 | 23 15 | 24 30 | | | n.a. |
| F 24 | 16 23 | 11 33 | 5 4 | 23 46 | 1 39 | 6 30 | 1 22 | 22 36 | 2 54 | 8 44 | 0 50 | 16 34 | 1 10 | 9 17 | 0 47 | 9 36 | 1 53 | 29 28 | 17 25 | 23 23 | 23 16 | 24 31 | | | n.a. |
| S 25 | 16 40 | 16 55 | 4 46 | 23 54 | 1 33 | 7 0 | 1 20 | 22 31 | 2 56 | 8 49 | 0 50 | 16 36 | 1 10 | 9 17 | 0 47 | 9 35 | 1 53 | 29 27 | 17 25 | 23 24 | 23 16 | 24 31 | | | n.a. |
| S 26 | 16 57 | 21 17 | 4 8 | 23 59 | 1 27 | 7 29 | 1 18 | 22 25 | 2 59 | 8 54 | 0 50 | 16 39 | 1 10 | 9 17 | 0 47 | 9 35 | 1 53 | 29 27 | 17 24 | 23 25 | 23 16 | 24 32 | | | n.a. |
| M27 | 17 14 | 24 13 | 3 13 | 24 3 | 1 20 | 7 58 | 1 16 | 22 19 | 3 1 | 8 59 | 0 50 | 16 41 | 1 10 | 9 17 | 0 47 | 9 34 | 1 53 | 29 26 | 17 24 | 23 25 | 23 17 | 24 33 | | | n.a. |
| T 28 | 17 30 | 25 23 | 2 4 | 24 5 | 1 12 | 8 27 | 1 15 | 22 13 | 3 4 | 9 4 | 0 50 | 16 43 | 1 10 | 9 18 | 0 47 | 9 34 | 1 53 | 29 25 | 17 23 | 23 26 | 23 17 | 24 33 | | | n.a. |
| W29 | 17 46 | 24 42 | 0 48 | 24 6 | 1 4 | 8 56 | 1 13 | 22 8 | 3 6 | 9 9 | 0 50 | 16 45 | 1 9 | 9 18 | 0 47 | 9 33 | 1 53 | 29 25 | 17 23 | 23 26 | 23 17 | 24 34 | | | n.a. |
| T 30 | 18 2 | 22 20 | 0s30 | 24 6 | 0 55 | 9 24 | 1 11 | 22 2 | 3 9 | 9 14 | 0 50 | 16 48 | 1 9 | 9 18 | 0 47 | 9 33 | 1 53 | 29 24 | 17 22 | 23 26 | 23 18 | 24 35 | | | n.a. |
| F 31 | 18n18 | 18n40 | 1s44 | 24n 3 | 0n46 | 9n53 | 1s 9 | 21s56 | 3s11 | 9n19 | 0s50 | 16n50 | 1s 9 | 9n18 | 0n47 | 9s32 | 1n53 | 29n24 | 17n21 | 23s26 | 23s18 | 24s35 | | | n.a. |

Julian Day Number = 1000539.5, Delta T = 12h51m43s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'05, Lahiri = -31°10'05 Julian Calendar 1 May 1974 BCE == Greg. Calendar 14 Apr. 1974 BCE

The year -1973 astronomical counting style corresponds to year 1974 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## JUNE 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 29 4 | 21♉40'53 | 14♌37 | 18♊14 | 29♈ 8 | 7♒40 | 25♈48 | 19♉34 | 8°R26 | 28°R51 | 25♌42 | 11♏18 | 12♏41 | 4♐29 | n.a. | S 1 |
| S 2 | 15 33 1 | 22°38'01 | 27°55 | 19°16 | 0♉20 | 8°11 | 26° 1 | 19°42 | 8♍25 | 28♎50 | 25°43 | 11°R18 | 12°38 | 4°36 | n.a. | S 2 |
| M 3 | 15 36 58 | 23°35'09 | 10♍52 | 20°15 | 1°33 | 8°41 | 26°14 | 19°50 | 8°25 | 28°48 | 25°43 | 11°17 | 12°35 | 4°43 | n.a. | M 3 |
| T 4 | 15 40 54 | 24°32'17 | 23°32 | 21°12 | 2°46 | 9°11 | 26°27 | 19°58 | 8°D25 | 28°47 | 25°43 | 11°13 | 12°31 | 4°49 | n.a. | T 4 |
| W 5 | 15 44 51 | 25°29'26 | 5♎58 | 22° 4 | 3°59 | 9°41 | 26°40 | 20° 5 | 8°25 | 28°45 | 25°44 | 11° 8 | 12°28 | 4°56 | n.a. | W 5 |
| T 6 | 15 48 47 | 26°26'36 | 18°12 | 22°54 | 5°12 | 10°10 | 26°52 | 20°13 | 8°25 | 28°44 | 25°44 | 11° 1 | 12°25 | 5° 3 | n.a. | T 6 |
| F 7 | 15 52 44 | 27°23'46 | 0♏18 | 23°40 | 6°24 | 10°39 | 27° 5 | 20°21 | 8°26 | 28°43 | 25°45 | 10°53 | 12°22 | 5° 9 | n.a. | F 7 |
| S 8 | 15 56 40 | 28°20'57 | 12°17 | 24°23 | 7°37 | 11° 8 | 27°18 | 20°29 | 8°26 | 28°41 | 25°45 | 10°45 | 12°19 | 5°16 | n.a. | S 8 |
| S 9 | 16 0 37 | 29°18'08 | 24°10 | 25° 2 | 8°50 | 11°36 | 27°31 | 20°37 | 8°26 | 28°40 | 25°46 | 10°38 | 12°15 | 5°23 | n.a. | S 9 |
| M10 | 16 4 34 | 0♊15'21 | 6♐ 1 | 25°37 | 10° 3 | 12° 4 | 27°43 | 20°44 | 8°26 | 28°39 | 25°46 | 10°32 | 12°12 | 5°30 | n.a. | M10 |
| T 11 | 16 8 30 | 1°12'34 | 17°49 | 26° 8 | 11°16 | 12°32 | 27°56 | 20°52 | 8°27 | 28°37 | 25°47 | 10°28 | 12° 9 | 5°36 | n.a. | T 11 |
| W12 | 16 12 27 | 2° 9'48 | 29°39 | 26°35 | 12°29 | 12°59 | 28° 8 | 21° 0 | 8°27 | 28°36 | 25°47 | 10°26 | 12° 6 | 5°43 | n.a. | W12 |
| T 13 | 16 16 23 | 3° 7'04 | 11♑32 | 26°57 | 13°42 | 13°25 | 28°21 | 21° 8 | 8°28 | 28°35 | 25°48 | 10°D25 | 12° 3 | 5°50 | n.a. | T 13 |
| F 14 | 16 20 20 | 4° 4'21 | 23°32 | 27°15 | 14°55 | 13°52 | 28°33 | 21°15 | 8°28 | 28°34 | 25°49 | 10°26 | 12° 0 | 5°56 | n.a. | F 14 |
| S 15 | 16 24 16 | 5° 1'38 | 5♒42 | 27°28 | 16° 9 | 14°18 | 28°46 | 21°23 | 8°29 | 28°32 | 25°49 | 10°27 | 11°56 | 6° 3 | n.a. | S 15 |
| S 16 | 16 28 13 | 5°58'57 | 18° 6 | 27°36 | 17°22 | 14°43 | 28°58 | 21°31 | 8°29 | 28°31 | 25°50 | 10°29 | 11°53 | 6°10 | n.a. | S 16 |
| M17 | 16 32 9 | 6°56'18 | 0♓49 | 27°R40 | 18°35 | 15° 8 | 29°10 | 21°38 | 8°30 | 28°30 | 25°51 | 10°30 | 11°50 | 6°16 | n.a. | M17 |
| T 18 | 16 36 6 | 7°53'39 | 13°54 | 27°38 | 19°48 | 15°32 | 29°22 | 21°46 | 8°31 | 28°29 | 25°52 | 10°R30 | 11°47 | 6°23 | n.a. | T 18 |
| W19 | 16 40 3 | 8°51'02 | 27°25 | 27°31 | 21° 2 | 15°56 | 29°34 | 21°54 | 8°31 | 28°28 | 25°53 | 10°29 | 11°44 | 6°30 | n.a. | W19 |
| T 20 | 16 43 59 | 9°48'27 | 11♈23 | 27°18 | 22°15 | 16°20 | 29°46 | 22° 1 | 8°32 | 28°26 | 25°54 | 10°26 | 11°41 | 6°36 | n.a. | T 20 |
| F 21 | 16 47 56 | 10°45'53 | 25°48 | 27° 1 | 23°28 | 16°43 | 29°58 | 22° 9 | 8°33 | 28°25 | 25°55 | 10°22 | 11°37 | 6°43 | n.a. | F 21 |
| S 22 | 16 51 52 | 11°43'20 | 10♉36 | 26°38 | 24°42 | 17° 5 | 0♉10 | 22°16 | 8°34 | 28°24 | 25°56 | 10°18 | 11°34 | 6°50 | n.a. | S 22 |
| S 23 | 16 55 49 | 12°40'49 | 25°41 | 26°11 | 25°55 | 17°27 | 0°22 | 22°24 | 8°35 | 28°23 | 25°57 | 10°15 | 11°31 | 6°56 | n.a. | S 23 |
| M24 | 16 59 45 | 13°38'20 | 10♊53 | 25°39 | 27° 9 | 17°48 | 0°34 | 22°31 | 8°36 | 28°22 | 25°58 | 10°12 | 11°28 | 7° 3 | n.a. | M24 |
| T 25 | 17 3 42 | 14°35'52 | 26° 4 | 25° 2 | 28°22 | 18° 9 | 0°45 | 22°39 | 8°37 | 28°21 | 25°59 | 10°10 | 11°25 | 7°10 | n.a. | T 25 |
| W26 | 17 7 39 | 15°33'25 | 11♋ 3 | 24°21 | 29°36 | 18°29 | 0°57 | 22°46 | 8°38 | 28°20 | 26° 0 | 10°D 9 | 11°21 | 7°16 | n.a. | W26 |
| T 27 | 17 11 35 | 16°30'59 | 25°43 | 23°38 | 0♊50 | 18°49 | 1° 9 | 22°54 | 8°40 | 28°19 | 26° 1 | 10°10 | 11°18 | 7°23 | n.a. | T 27 |
| F 28 | 17 15 32 | 17°28'34 | 9♌58 | 22°51 | 2° 3 | 19° 8 | 1°20 | 23° 1 | 8°41 | 28°18 | 26° 2 | 10°11 | 11°15 | 7°30 | n.a. | F 28 |
| S 29 | 17 19 28 | 18°26'11 | 23°48 | 22° 3 | 3°17 | 19°26 | 1°31 | 23° 9 | 8°42 | 28°17 | 26° 3 | 10°13 | 11°12 | 7°36 | n.a. | S 29 |
| S 30 | 17 23 25 | 19♊23'49 | 7♍11 | 21♊13 | 4♊31 | 19♒44 | 1♉43 | 23♉16 | 8♍43 | 28♎17 | 26♌ 4 | 10♏14 | 11♏ 9 | 7♐43 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n33 | 14n 4 | 2s50 | 24n 0 | 0n37 | 10n21 | 1s 7 | 21s50 | 3s14 | 9n24 | 0s50 | 16n52 | 1s 9 | 9n18 | 0n47 | 9s32 | 1n53 | 29n23 | 17n21 | 23s26 | 23s18 | 24s36 | | n.a. |
| S 2 | 18 48 | 8 56 | 3 45 | 23 56 | 0 27 | 10 49 | 1 5 | 21 44 | 3 16 | 9 28 | 0 50 | 16 54 | 1 9 | 9 18 | 0 47 | 9 31 | 1 53 | 29 22 | 17 20 | 23 26 | 23 19 | 24 36 | | n.a. |
| M 3 | 19 3 | 3 33 | 4 26 | 23 50 | 0 17 | 11 17 | 1 2 | 21 39 | 3 19 | 9 33 | 0 50 | 16 57 | 1 9 | 9 18 | 0 47 | 9 31 | 1 53 | 29 22 | 17 20 | 23 26 | 23 19 | 24 37 | | n.a. |
| T 4 | 19 17 | 1s52 | 4 54 | 23 43 | 0 6 | 11 44 | 1 0 | 21 33 | 3 21 | 9 38 | 0 50 | 16 59 | 1 9 | 9 18 | 0 47 | 9 30 | 1 53 | 29 21 | 17 19 | 23 26 | 23 19 | 24 37 | | n.a. |
| W 5 | 19 31 | 7 6 | 5 7 | 23 35 | 0s 6 | 12 11 | 0 58 | 21 27 | 3 24 | 9 43 | 0 50 | 17 1 | 1 9 | 9 18 | 0 47 | 9 30 | 1 53 | 29 20 | 17 18 | 23 27 | 23 19 | 24 38 | | n.a. |
| T 6 | 19 45 | 11 58 | 5 6 | 23 26 | 0 17 | 12 38 | 0 56 | 21 21 | 3 26 | 9 48 | 0 50 | 17 3 | 1 9 | 9 18 | 0 47 | 9 29 | 1 53 | 29 20 | 17 18 | 23 27 | 23 20 | 24 39 | | n.a. |
| F 7 | 19 58 | 16 20 | 4 51 | 23 17 | 0 29 | 13 5 | 0 54 | 21 16 | 3 29 | 9 52 | 0 50 | 17 5 | 1 9 | 9 18 | 0 47 | 9 29 | 1 53 | 29 19 | 17 17 | 23 28 | 23 20 | 24 39 | | n.a. |
| S 8 | 20 12 | 20 0 | 4 23 | 23 6 | 0 42 | 13 31 | 0 51 | 21 10 | 3 32 | 9 57 | 0 50 | 17 8 | 1 9 | 9 17 | 0 47 | 9 29 | 1 53 | 29 18 | 17 17 | 23 29 | 23 20 | 24 40 | | n.a. |
| S 9 | 20 24 | 22 49 | 3 44 | 22 55 | 0 54 | 13 57 | 0 49 | 21 4 | 3 34 | 10 2 | 0 50 | 17 10 | 1 9 | 9 17 | 0 46 | 9 28 | 1 52 | 29 17 | 17 16 | 23 29 | 23 21 | 24 40 | | n.a. |
| M10 | 20 37 | 24 38 | 2 56 | 22 44 | 1 7 | 14 23 | 0 47 | 20 59 | 3 37 | 10 6 | 0 50 | 17 12 | 1 9 | 9 17 | 0 46 | 9 28 | 1 52 | 29 17 | 17 16 | 23 30 | 23 21 | 24 41 | | n.a. |
| T 11 | 20 49 | 25 20 | 2 0 | 22 31 | 1 21 | 14 49 | 0 44 | 20 53 | 3 40 | 10 11 | 0 50 | 17 14 | 1 9 | 9 17 | 0 46 | 9 27 | 1 52 | 29 16 | 17 15 | 23 30 | 23 21 | 24 41 | | n.a. |
| W12 | 21 1 | 24 54 | 0 58 | 22 19 | 1 34 | 15 14 | 0 42 | 20 48 | 3 42 | 10 15 | 0 50 | 17 16 | 1 8 | 9 17 | 0 46 | 9 27 | 1 52 | 29 15 | 17 15 | 23 30 | 23 22 | 24 42 | | n.a. |
| T 13 | 21 12 | 23 18 | 0n 6 | 22 6 | 1 48 | 15 38 | 0 40 | 20 42 | 3 45 | 10 20 | 0 50 | 17 18 | 1 8 | 9 17 | 0 46 | 9 26 | 1 52 | 29 14 | 17 14 | 23 30 | 23 22 | 24 42 | | n.a. |
| F 14 | 21 23 | 20 40 | 1 11 | 21 52 | 2 1 | 16 3 | 0 37 | 20 37 | 3 47 | 10 24 | 0 49 | 17 20 | 1 8 | 9 16 | 0 46 | 9 26 | 1 52 | 29 14 | 17 13 | 23 30 | 23 22 | 24 43 | | n.a. |
| S 15 | 21 34 | 17 4 | 2 14 | 21 39 | 2 15 | 16 27 | 0 35 | 20 32 | 3 50 | 10 29 | 0 49 | 17 22 | 1 8 | 9 16 | 0 46 | 9 26 | 1 52 | 29 13 | 17 13 | 23 30 | 23 22 | 24 43 | | n.a. |
| S 16 | 21 44 | 12 41 | 3 11 | 21 25 | 2 29 | 16 50 | 0 32 | 20 27 | 3 53 | 10 33 | 0 49 | 17 25 | 1 8 | 9 16 | 0 46 | 9 25 | 1 52 | 29 12 | 17 12 | 23 30 | 23 23 | 24 44 | | n.a. |
| M17 | 21 54 | 7 39 | 4 1 | 21 12 | 2 42 | 17 14 | 0 30 | 20 22 | 3 55 | 10 38 | 0 49 | 17 27 | 1 8 | 9 15 | 0 46 | 9 25 | 1 52 | 29 11 | 17 12 | 23 30 | 23 23 | 24 44 | | n.a. |
| T 18 | 22 4 | 2 10 | 4 40 | 20 58 | 2 56 | 17 36 | 0 27 | 20 17 | 3 58 | 10 42 | 0 49 | 17 29 | 1 8 | 9 15 | 0 46 | 9 24 | 1 52 | 29 10 | 17 11 | 23 30 | 23 23 | 24 45 | | n.a. |
| W19 | 22 13 | 3n36 | 5 5 | 20 45 | 3 9 | 17 59 | 0 25 | 20 12 | 4 1 | 10 47 | 0 49 | 17 31 | 1 8 | 9 15 | 0 46 | 9 24 | 1 52 | 29 10 | 17 11 | 23 30 | 23 24 | 24 45 | | n.a. |
| T 20 | 22 22 | 9 22 | 5 13 | 20 32 | 3 21 | 18 20 | 0 22 | 20 7 | 4 4 | 10 51 | 0 49 | 17 33 | 1 8 | 9 14 | 0 46 | 9 24 | 1 52 | 29 9 | 17 10 | 23 30 | 23 24 | 24 46 | | n.a. |
| F 21 | 22 31 | 14 50 | 5 2 | 20 20 | 3 33 | 18 42 | 0 20 | 20 3 | 4 6 | 10 55 | 0 49 | 17 35 | 1 8 | 9 14 | 0 46 | 9 23 | 1 52 | 29 8 | 17 9 | 23 30 | 23 24 | 24 46 | | n.a. |
| S 22 | 22 39 | 19 34 | 4 31 | 20 8 | 3 45 | 19 3 | 0 17 | 19 58 | 4 9 | 10 59 | 0 49 | 17 37 | 1 8 | 9 14 | 0 46 | 9 23 | 1 52 | 29 7 | 17 9 | 23 31 | 23 24 | 24 47 | | n.a. |
| S 23 | 22 46 | 23 8 | 3 40 | 19 57 | 3 55 | 19 23 | 0 15 | 19 54 | 4 12 | 11 4 | 0 49 | 17 39 | 1 8 | 9 13 | 0 46 | 9 23 | 1 52 | 29 6 | 17 8 | 23 31 | 23 25 | 24 47 | | n.a. |
| M24 | 22 54 | 25 4 | 2 34 | 19 46 | 4 5 | 19 43 | 0 12 | 19 50 | 4 14 | 11 8 | 0 49 | 17 41 | 1 8 | 9 13 | 0 46 | 9 22 | 1 52 | 29 5 | 17 8 | 23 31 | 23 25 | 24 48 | | n.a. |
| T 25 | 23 1 | 25 8 | 1 17 | 19 37 | 4 13 | 20 2 | 0 10 | 19 46 | 4 17 | 11 12 | 0 49 | 17 43 | 1 8 | 9 12 | 0 46 | 9 22 | 1 52 | 29 4 | 17 7 | 23 31 | 23 25 | 24 48 | | n.a. |
| W26 | 23 7 | 23 22 | 0s 5 | 19 28 | 4 20 | 20 21 | 0 7 | 19 42 | 4 20 | 11 16 | 0 49 | 17 45 | 1 8 | 9 12 | 0 46 | 9 22 | 1 52 | 29 4 | 17 7 | 23 31 | 23 26 | 24 49 | | n.a. |
| T 27 | 23 13 | 20 2 | 1 25 | 19 21 | 4 25 | 20 39 | 0 5 | 19 38 | 4 23 | 11 20 | 0 49 | 17 47 | 1 8 | 9 11 | 0 46 | 9 21 | 1 52 | 29 3 | 17 6 | 23 31 | 23 26 | 24 49 | | n.a. |
| F 28 | 23 19 | 15 35 | 2 37 | 19 15 | 4 29 | 20 57 | 0 2 | 19 34 | 4 25 | 11 24 | 0 49 | 17 49 | 1 8 | 9 11 | 0 46 | 9 21 | 1 52 | 29 2 | 17 6 | 23 31 | 23 26 | 24 49 | | n.a. |
| S 29 | 23 24 | 10 26 | 3 38 | 19 10 | 4 32 | 21 14 | 0n 0 | 19 31 | 4 28 | 11 28 | 0 49 | 17 51 | 1 8 | 9 10 | 0 46 | 9 21 | 1 51 | 29 1 | 17 5 | 23 31 | 23 26 | 24 50 | | n.a. |
| S 30 | 23n29 | 4n58 | 4s25 | 19n 6 | 4s32 | 21n31 | 0n 3 | 19s28 | 4s31 | 11n32 | 0s49 | 17n52 | 1s 8 | 9n10 | 0n46 | 9s21 | 1n51 | 29n 0 | 17n 5 | 23s31 | 23s27 | 24s50 | | n.a. |

Julian Day Number = 1000570.5, Delta T = 12h51m41s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°17'01, Lahiri = -31°10'01 Julian Calendar 1 June 1974 BCE == Greg. Calendar 15 May 1974 BCE


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## JULY 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 27 21 | 20♊21'27 | 20♍10 | 20°R23 | 5♊44 | 20♒ 1 | 1♉54 | 23♉23 | 8♍45 | 28°R16 | 26♌ 6 | 10°R14 | 11♋ 6 | 7♐50 | n.a. | M 1 |
| T 2 | 17 31 18 | 21°19'07 | 2♎49 | 19♊35 | 6°58 | 20°18 | 2° 5 | 23°30 | 8°46 | 28♎15 | 26° 7 | 10♋14 | 11° 2 | 7°56 | n.a. | T 2 |
| W 3 | 17 35 14 | 22°16'49 | 15°10 | 18°47 | 8°12 | 20°33 | 2°16 | 23°38 | 8°48 | 28°14 | 26° 8 | 10°12 | 10°59 | 8° 3 | n.a. | W 3 |
| T 4 | 17 39 11 | 23°14'31 | 27°19 | 18° 3 | 9°26 | 20°49 | 2°27 | 23°45 | 8°49 | 28°13 | 26°10 | 10°10 | 10°56 | 8°10 | n.a. | T 4 |
| F 5 | 17 43 8 | 24°12'15 | 9♏18 | 17°22 | 10°40 | 21° 3 | 2°38 | 23°52 | 8°51 | 28°13 | 26°11 | 10° 8 | 10°53 | 8°16 | n.a. | F 5 |
| S 6 | 17 47 4 | 25°10'01 | 21°11 | 16°46 | 11°54 | 21°17 | 2°49 | 23°59 | 8°52 | 28°12 | 26°12 | 10° 6 | 10°50 | 8°23 | n.a. | S 6 |
| S 7 | 17 51 1 | 26° 7'48 | 3♐ 1 | 16°15 | 13° 8 | 21°30 | 2°59 | 24° 6 | 8°54 | 28°11 | 26°14 | 10° 4 | 10°47 | 8°30 | n.a. | S 7 |
| M 8 | 17 54 57 | 27° 5'36 | 14°50 | 15°51 | 14°22 | 21°43 | 3°10 | 24°13 | 8°56 | 28°11 | 26°15 | 10° 2 | 10°43 | 8°36 | n.a. | M 8 |
| T 9 | 17 58 54 | 28° 3'27 | 26°42 | 15°32 | 15°36 | 21°54 | 3°20 | 24°20 | 8°58 | 28°10 | 26°17 | 10° 1 | 10°40 | 8°43 | n.a. | T 9 |
| W10 | 18 2 50 | 29° 1'19 | 8♑37 | 15°21 | 16°50 | 22° 5 | 3°31 | 24°27 | 8°59 | 28° 9 | 26°18 | 10°D 1 | 10°37 | 8°50 | n.a. | W10 |
| T 11 | 18 6 47 | 29°59'12 | 20°38 | 15°D18 | 18° 4 | 22°15 | 3°41 | 24°34 | 9° 1 | 28° 9 | 26°20 | 10° 1 | 10°34 | 8°56 | n.a. | T 11 |
| F 12 | 18 10 43 | 0♋57'08 | 2♒47 | 15°22 | 19°18 | 22°25 | 3°51 | 24°41 | 9° 3 | 28° 8 | 26°21 | 10° 1 | 10°31 | 9° 3 | n.a. | F 12 |
| S 13 | 18 14 40 | 1°55'05 | 15° 7 | 15°34 | 20°32 | 22°34 | 4° 1 | 24°48 | 9° 5 | 28° 8 | 26°23 | 10° 2 | 10°27 | 9°10 | n.a. | S 13 |
| S 14 | 18 18 37 | 2°53'04 | 27°40 | 15°55 | 21°46 | 22°41 | 4°11 | 24°55 | 9° 7 | 28° 7 | 26°24 | 10° 3 | 10°24 | 9°16 | n.a. | S 14 |
| M15 | 18 22 33 | 3°51'06 | 10♓28 | 16°23 | 23° 1 | 22°48 | 4°21 | 25° 1 | 9° 9 | 28° 7 | 26°26 | 10° 4 | 10°21 | 9°23 | n.a. | M15 |
| T 16 | 18 26 30 | 4°49'09 | 23°35 | 16°59 | 24°15 | 22°55 | 4°31 | 25° 8 | 9°11 | 28° 7 | 26°28 | 10° 4 | 10°18 | 9°30 | n.a. | T 16 |
| W17 | 18 30 26 | 5°47'15 | 7♈ 3 | 17°43 | 25°29 | 23° 0 | 4°41 | 25°15 | 9°13 | 28° 6 | 26°29 | 10°R 4 | 10°15 | 9°36 | n.a. | W17 |
| T 18 | 18 34 23 | 6°45'22 | 20°52 | 18°35 | 26°44 | 23° 5 | 4°50 | 25°21 | 9°16 | 28° 6 | 26°31 | 10° 4 | 10°12 | 9°43 | n.a. | T 18 |
| F 19 | 18 38 19 | 7°43'32 | 5♉ 3 | 19°34 | 27°58 | 23° 8 | 5° 0 | 25°28 | 9°18 | 28° 5 | 26°33 | 10° 4 | 10° 8 | 9°50 | n.a. | F 19 |
| S 20 | 18 42 16 | 8°41'44 | 19°35 | 20°40 | 29°12 | 23°11 | 5° 9 | 25°34 | 9°20 | 28° 5 | 26°35 | 10° 4 | 10° 5 | 9°56 | n.a. | S 20 |
| S 21 | 18 46 12 | 9°39'59 | 4♊22 | 21°52 | 0♋27 | 23°13 | 5°18 | 25°40 | 9°22 | 28° 5 | 26°36 | 10°D 4 | 10° 2 | 10° 3 | n.a. | S 21 |
| M22 | 18 50 9 | 10°38'16 | 19°21 | 23°10 | 1°41 | 23°14 | 5°27 | 25°47 | 9°25 | 28° 5 | 26°38 | 10° 4 | 9°59 | 10°10 | n.a. | M22 |
| T 23 | 18 54 6 | 11°36'34 | 4♋21 | 24°34 | 2°56 | 23°R14 | 5°36 | 25°53 | 9°27 | 28° 5 | 26°40 | 10°R 4 | 9°56 | 10°16 | n.a. | T 23 |
| W24 | 18 58 2 | 12°34'55 | 19°16 | 26° 3 | 4°11 | 23°14 | 5°45 | 25°59 | 9°30 | 28° 4 | 26°42 | 10° 4 | 9°53 | 10°23 | n.a. | W24 |
| T 25 | 19 1 59 | 13°33'18 | 3♌56 | 27°36 | 5°25 | 23°12 | 5°54 | 26° 6 | 9°32 | 28° 4 | 26°44 | 10° 3 | 9°49 | 10°30 | n.a. | T 25 |
| F 26 | 19 5 55 | 14°31'42 | 18°17 | 29°14 | 6°40 | 23° 9 | 6° 2 | 26°12 | 9°35 | 28° 4 | 26°46 | 10° 3 | 9°46 | 10°36 | n.a. | F 26 |
| S 27 | 19 9 52 | 15°30'08 | 2♍13 | 0♋55 | 7°54 | 23° 6 | 6°11 | 26°18 | 9°37 | 28° 4 | 26°48 | 10° 2 | 9°43 | 10°43 | n.a. | S 27 |
| S 28 | 19 13 48 | 16°28'37 | 15°43 | 2°39 | 9° 9 | 23° 2 | 6°19 | 26°24 | 9°40 | 28°D 4 | 26°49 | 10° 2 | 9°40 | 10°50 | n.a. | S 28 |
| M29 | 19 17 45 | 17°27'06 | 28°47 | 4°25 | 10°24 | 22°57 | 6°28 | 26°30 | 9°42 | 28° 4 | 26°51 | 10° 1 | 9°37 | 10°56 | n.a. | M29 |
| T 30 | 19 21 41 | 18°25'38 | 11♎29 | 6°13 | 11°38 | 22°51 | 6°36 | 26°35 | 9°45 | 28° 4 | 26°53 | 10° 1 | 9°33 | 11° 3 | n.a. | T 30 |
| W31 | 19 25 38 | 19♋24'12 | 23♎51 | 8♋ 4 | 12♋53 | 22♒44 | 6♉44 | 26♉41 | 9♍48 | 28♎ 4 | 26♌55 | 10°D 1 | 9♋30 | 11♐10 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 23n34 | 0s34 | 4s57 | 19n 4 | 4s31 | 21n47 | 0n 5 | 19s25 | 4s34 | 11n36 | 0s49 | 17n54 | 1s 8 | 9n 9 | 0n46 | 9s20 | 1n51 | 28n59 | 17n 4 | 23s31 | 23s27 | 24s51 | | | n.a. |
| T 2 | 23 38 | 5 55 | 5 13 | 19 4 | 4 27 | 22 2 | 0 8 | 19 22 | 4 36 | 11 40 | 0 49 | 17 56 | 1 8 | 9 9 | 0 45 | 9 20 | 1 51 | 28 58 | 17 4 | 23 31 | 23 27 | 24 51 | | | n.a. |
| W 3 | 23 41 | 10 54 | 5 14 | 19 5 | 4 22 | 22 17 | 0 10 | 19 19 | 4 39 | 11 44 | 0 49 | 17 58 | 1 8 | 9 8 | 0 45 | 9 20 | 1 51 | 28 57 | 17 3 | 23 31 | 23 27 | 24 51 | | | n.a. |
| T 4 | 23 45 | 15 24 | 5 2 | 19 8 | 4 15 | 22 31 | 0 12 | 19 17 | 4 42 | 11 48 | 0 49 | 18 0 | 1 8 | 9 7 | 0 45 | 9 20 | 1 51 | 28 56 | 17 3 | 23 31 | 23 28 | 24 52 | | | n.a. |
| F 5 | 23 47 | 19 14 | 4 36 | 19 13 | 4 7 | 22 44 | 0 15 | 19 14 | 4 44 | 11 51 | 0 49 | 18 2 | 1 7 | 9 7 | 0 45 | 9 19 | 1 51 | 28 55 | 17 2 | 23 32 | 23 28 | 24 52 | | | n.a. |
| S 6 | 23 50 | 22 15 | 3 58 | 19 19 | 3 57 | 22 57 | 0 17 | 19 12 | 4 47 | 11 55 | 0 49 | 18 4 | 1 7 | 9 6 | 0 45 | 9 19 | 1 51 | 28 54 | 17 2 | 23 32 | 23 28 | 24 52 | | | n.a. |
| S 7 | 23 52 | 24 18 | 3 11 | 19 28 | 3 45 | 23 9 | 0 20 | 19 10 | 4 50 | 11 59 | 0 49 | 18 5 | 1 7 | 9 5 | 0 45 | 9 19 | 1 51 | 28 53 | 17 1 | 23 32 | 23 28 | 24 53 | | | n.a. |
| M 8 | 23 53 | 25 16 | 2 15 | 19 38 | 3 32 | 23 21 | 0 22 | 19 9 | 4 52 | 12 3 | 0 49 | 18 7 | 1 7 | 9 5 | 0 45 | 9 19 | 1 51 | 28 52 | 17 1 | 23 32 | 23 29 | 24 53 | | | n.a. |
| T 9 | 23 54 | 25 6 | 1 13 | 19 50 | 3 18 | 23 32 | 0 24 | 19 7 | 4 55 | 12 6 | 0 49 | 18 9 | 1 7 | 9 4 | 0 45 | 9 19 | 1 51 | 28 51 | 17 0 | 23 32 | 23 29 | 24 54 | | | n.a. |
| W10 | 23 55 | 23 46 | 0 8 | 20 4 | 3 3 | 23 42 | 0 27 | 19 6 | 4 58 | 12 10 | 0 49 | 18 11 | 1 7 | 9 3 | 0 45 | 9 19 | 1 51 | 28 50 | 17 0 | 23 32 | 23 29 | 24 54 | | | n.a. |
| T 11 | 23 55 | 21 20 | 0n59 | 20 19 | 2 48 | 23 51 | 0 29 | 19 5 | 5 0 | 12 13 | 0 49 | 18 12 | 1 7 | 9 2 | 0 45 | 9 18 | 1 51 | 28 49 | 16 59 | 23 32 | 23 30 | 24 54 | | | n.a. |
| F 12 | 23 55 | 17 56 | 2 3 | 20 35 | 2 32 | 24 0 | 0 31 | 19 4 | 5 3 | 12 17 | 0 49 | 18 14 | 1 7 | 9 2 | 0 45 | 9 18 | 1 51 | 28 48 | 16 59 | 23 32 | 23 30 | 24 55 | | | n.a. |
| S 13 | 23 54 | 13 43 | 3 3 | 20 53 | 2 15 | 24 8 | 0 33 | 19 4 | 5 5 | 12 20 | 0 50 | 18 16 | 1 7 | 9 1 | 0 45 | 9 18 | 1 51 | 28 47 | 16 58 | 23 32 | 23 30 | 24 55 | | | n.a. |
| S 14 | 23 53 | 8 51 | 3 55 | 21 12 | 1 58 | 24 15 | 0 36 | 19 3 | 5 8 | 12 24 | 0 50 | 18 17 | 1 7 | 9 0 | 0 45 | 9 18 | 1 51 | 28 46 | 16 58 | 23 32 | 23 30 | 24 55 | | | n.a. |
| M15 | 23 52 | 3 32 | 4 36 | 21 32 | 1 41 | 24 22 | 0 38 | 19 3 | 5 10 | 12 27 | 0 50 | 18 19 | 1 7 | 8 59 | 0 45 | 9 18 | 1 51 | 28 45 | 16 58 | 23 32 | 23 31 | 24 55 | | | n.a. |
| T 16 | 23 50 | 2n 3 | 5 5 | 21 52 | 1 25 | 24 28 | 0 40 | 19 4 | 5 13 | 12 30 | 0 50 | 18 21 | 1 7 | 8 58 | 0 45 | 9 18 | 1 50 | 28 44 | 16 57 | 23 32 | 23 31 | 24 56 | | | n.a. |
| W17 | 23 48 | 7 41 | 5 17 | 22 13 | 1 8 | 24 33 | 0 42 | 19 4 | 5 15 | 12 34 | 0 50 | 18 22 | 1 7 | 8 58 | 0 45 | 9 18 | 1 50 | 28 43 | 16 57 | 23 32 | 23 31 | 24 56 | | | n.a. |
| T 18 | 23 45 | 13 6 | 5 12 | 22 33 | 0 52 | 24 37 | 0 44 | 19 5 | 5 18 | 12 37 | 0 50 | 18 24 | 1 7 | 8 57 | 0 45 | 9 18 | 1 50 | 28 42 | 16 56 | 23 32 | 23 31 | 24 56 | | | n.a. |
| F 19 | 23 41 | 17 58 | 4 48 | 22 54 | 0 36 | 24 40 | 0 46 | 19 6 | 5 20 | 12 40 | 0 50 | 18 26 | 1 7 | 8 56 | 0 45 | 9 18 | 1 50 | 28 41 | 16 56 | 23 32 | 23 32 | 24 57 | | | n.a. |
| S 20 | 23 38 | 21 54 | 4 5 | 23 14 | 0 21 | 24 43 | 0 48 | 19 7 | 5 22 | 12 43 | 0 50 | 18 27 | 1 7 | 8 55 | 0 45 | 9 18 | 1 50 | 28 40 | 16 55 | 23 32 | 23 32 | 24 57 | | | n.a. |
| S 21 | 23 34 | 24 29 | 3 6 | 23 34 | 0 6 | 24 45 | 0 50 | 19 8 | 5 24 | 12 46 | 0 50 | 18 29 | 1 7 | 8 54 | 0 45 | 9 18 | 1 50 | 28 39 | 16 55 | 23 32 | 23 32 | 24 57 | | | n.a. |
| M22 | 23 29 | 25 21 | 1 53 | 23 52 | 0n 7 | 24 47 | 0 52 | 19 10 | 5 27 | 12 49 | 0 50 | 18 30 | 1 7 | 8 53 | 0 45 | 9 18 | 1 50 | 28 38 | 16 55 | 23 32 | 23 32 | 24 57 | | | n.a. |
| T 23 | 23 24 | 24 23 | 0 32 | 24 9 | 0 20 | 24 47 | 0 54 | 19 12 | 5 29 | 12 52 | 0 50 | 18 32 | 1 7 | 8 52 | 0 45 | 9 18 | 1 50 | 28 37 | 16 54 | 23 32 | 23 33 | 24 58 | | | n.a. |
| W24 | 23 19 | 21 40 | 0s51 | 24 24 | 0 33 | 24 47 | 0 56 | 19 14 | 5 31 | 12 55 | 0 50 | 18 33 | 1 7 | 8 51 | 0 45 | 9 18 | 1 50 | 28 36 | 16 54 | 23 32 | 23 33 | 24 58 | | | n.a. |
| T 25 | 23 13 | 17 34 | 2 9 | 24 38 | 0 44 | 24 46 | 0 57 | 19 16 | 5 33 | 12 58 | 0 50 | 18 35 | 1 7 | 8 50 | 0 45 | 9 18 | 1 50 | 28 35 | 16 53 | 23 32 | 23 33 | 24 58 | | | n.a. |
| F 26 | 23 7 | 12 32 | 3 17 | 24 49 | 0 54 | 24 44 | 0 59 | 19 19 | 5 35 | 13 1 | 0 50 | 18 36 | 1 7 | 8 49 | 0 45 | 9 18 | 1 50 | 28 34 | 16 53 | 23 32 | 23 33 | 24 58 | | | n.a. |
| S 27 | 23 0 | 7 0 | 4 11 | 24 59 | 1 4 | 24 41 | 1 1 | 19 22 | 5 36 | 13 4 | 0 50 | 18 38 | 1 7 | 8 48 | 0 44 | 9 18 | 1 50 | 28 33 | 16 53 | 23 32 | 23 33 | 24 59 | | | n.a. |
| S 28 | 22 53 | 1 19 | 4 49 | 25 6 | 1 12 | 24 38 | 1 2 | 19 25 | 5 38 | 13 7 | 0 50 | 18 39 | 1 7 | 8 47 | 0 44 | 9 18 | 1 50 | 28 32 | 16 52 | 23 32 | 23 34 | 24 59 | | | n.a. |
| M29 | 22 45 | 4s15 | 5 11 | 25 11 | 1 20 | 24 34 | 1 4 | 19 28 | 5 40 | 13 10 | 0 50 | 18 40 | 1 7 | 8 46 | 0 44 | 9 18 | 1 50 | 28 31 | 16 52 | 23 32 | 23 34 | 24 59 | | | n.a. |
| T 30 | 22 37 | 9 28 | 5 17 | 25 13 | 1 26 | 24 29 | 1 5 | 19 32 | 5 41 | 13 12 | 0 50 | 18 42 | 1 7 | 8 45 | 0 44 | 9 18 | 1 50 | 28 30 | 16 52 | 23 32 | 23 34 | 24 59 | | | n.a. |
| W31 | 22n29 | 14s11 | 5s 8 | 25n12 | 1n32 | 24n24 | 1n 7 | 19s36 | 5s43 | 13n15 | 0s50 | 18n43 | 1s 7 | 8n44 | 0n44 | 9s18 | 1n49 | 28n29 | 16n51 | 23s32 | 23s34 | 24s59 | | | n.a. |

Julian Day Number = 1000600.5, Delta T = 12h51m39s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'57, Lahiri = -31°09'57 Julian Calendar 1 July 1974 BCE == Greg. Calendar 14 June 1974 BCE

The year -1973 astronomical counting style corresponds to year 1974 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## AUGUST 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 29 34 | 20♋22'47 | 5♏58 | 9♋55 | 14♋ 8 | 22°R36 | 6♉51 | 26♉47 | 9♍50 | 28♎ 4 | 26♌57 | 10♑ 1 | 9♑27 | 11♐16 | n.a. | T 1 |
| F 2 | 19 33 31 | 21°21'24 | 17°55 | 11°47 | 15°23 | 22♒28 | 6°59 | 26°53 | 9°53 | 28° 4 | 26°59 | 10° 2 | 9°24 | 11°23 | n.a. | F 2 |
| S 3 | 19 37 28 | 22°20'03 | 29°46 | 13°39 | 16°38 | 22°18 | 7° 7 | 26°58 | 9°56 | 28° 5 | 27° 2 | 10° 3 | 9°21 | 11°30 | n.a. | S 3 |
| S 4 | 19 41 24 | 23°18'44 | 11♐35 | 15°32 | 17°52 | 22° 8 | 7°14 | 27° 4 | 9°59 | 28° 5 | 27° 4 | 10° 4 | 9°18 | 11°36 | n.a. | S 4 |
| M 5 | 19 45 21 | 24°17'27 | 23°25 | 17°25 | 19° 7 | 21°57 | 7°21 | 27° 9 | 10° 2 | 28° 5 | 27° 6 | 10° 5 | 9°14 | 11°43 | n.a. | M 5 |
| T 6 | 19 49 17 | 25°16'13 | 5♑21 | 19°18 | 20°22 | 21°46 | 7°28 | 27°14 | 10° 5 | 28° 5 | 27° 8 | 10°R 6 | 9°11 | 11°50 | n.a. | T 6 |
| W 7 | 19 53 14 | 26°15'00 | 17°25 | 21°11 | 21°37 | 21°33 | 7°35 | 27°20 | 10° 8 | 28° 6 | 27°10 | 10° 6 | 9° 8 | 11°56 | n.a. | W 7 |
| T 8 | 19 57 10 | 27°13'49 | 29°38 | 23° 3 | 22°52 | 21°20 | 7°42 | 27°25 | 10°11 | 28° 6 | 27°12 | 10° 5 | 9° 5 | 12° 3 | n.a. | T 8 |
| F 9 | 20 1 7 | 28°12'41 | 12♒ 3 | 24°54 | 24° 7 | 21° 6 | 7°49 | 27°30 | 10°14 | 28° 6 | 27°14 | 10° 3 | 9° 2 | 12°10 | n.a. | F 9 |
| S 10 | 20 5 3 | 29°11'34 | 24°40 | 26°45 | 25°22 | 20°52 | 7°55 | 27°35 | 10°17 | 28° 7 | 27°16 | 10° 1 | 8°59 | 12°16 | n.a. | S 10 |
| S 11 | 20 9 0 | 0♌10'30 | 7♓30 | 28°35 | 26°37 | 20°36 | 8° 2 | 27°40 | 10°20 | 28° 7 | 27°19 | 9°58 | 8°55 | 12°23 | n.a. | S 11 |
| M12 | 20 12 56 | 1° 9'28 | 20°34 | 0♌25 | 27°52 | 20°21 | 8° 8 | 27°45 | 10°23 | 28° 8 | 27°21 | 9°55 | 8°52 | 12°30 | n.a. | M12 |
| T 13 | 20 16 53 | 2° 8'29 | 3♈52 | 2°13 | 29° 7 | 20° 4 | 8°14 | 27°50 | 10°26 | 28° 8 | 27°23 | 9°52 | 8°49 | 12°36 | n.a. | T 13 |
| W14 | 20 20 50 | 3° 7'32 | 17°24 | 4° 1 | 0♌22 | 19°47 | 8°20 | 27°54 | 10°29 | 28° 9 | 27°25 | 9°50 | 8°46 | 12°43 | n.a. | W14 |
| T 15 | 20 24 46 | 4° 6'38 | 1♉11 | 5°48 | 1°37 | 19°30 | 8°26 | 27°59 | 10°32 | 28° 9 | 27°28 | 9°D49 | 8°43 | 12°50 | n.a. | T 15 |
| F 16 | 20 28 43 | 5° 5'46 | 15°12 | 7°34 | 2°52 | 19°12 | 8°31 | 28° 4 | 10°36 | 28°10 | 27°30 | 9°49 | 8°39 | 12°56 | n.a. | F 16 |
| S 17 | 20 32 39 | 6° 4'57 | 29°26 | 9°19 | 4° 7 | 18°54 | 8°37 | 28° 8 | 10°39 | 28°11 | 27°32 | 9°51 | 8°36 | 13° 3 | n.a. | S 17 |
| S 18 | 20 36 36 | 7° 4'10 | 13♊52 | 11° 3 | 5°23 | 18°35 | 8°42 | 28°13 | 10°42 | 28°11 | 27°34 | 9°52 | 8°33 | 13°10 | n.a. | S 18 |
| M19 | 20 40 32 | 8° 3'26 | 28°26 | 12°47 | 6°38 | 18°16 | 8°47 | 28°17 | 10°46 | 28°12 | 27°37 | 9°53 | 8°30 | 13°16 | n.a. | M19 |
| T 20 | 20 44 29 | 9° 2'45 | 13♋ 3 | 14°29 | 7°53 | 17°57 | 8°52 | 28°21 | 10°49 | 28°13 | 27°39 | 9°R54 | 8°27 | 13°23 | n.a. | T 20 |
| W21 | 20 48 25 | 10° 2'05 | 27°39 | 16°11 | 9° 8 | 17°37 | 8°57 | 28°25 | 10°52 | 28°13 | 27°41 | 9°53 | 8°24 | 13°30 | n.a. | W21 |
| T 22 | 20 52 22 | 11° 1'28 | 12♌ 6 | 17°52 | 10°23 | 17°17 | 9° 1 | 28°29 | 10°56 | 28°14 | 27°44 | 9°50 | 8°20 | 13°36 | n.a. | T 22 |
| F 23 | 20 56 19 | 12° 0'53 | 26°19 | 19°32 | 11°39 | 16°57 | 9° 6 | 28°33 | 10°59 | 28°15 | 27°46 | 9°46 | 8°17 | 13°43 | n.a. | F 23 |
| S 24 | 21 0 15 | 13° 0'20 | 10♍12 | 21°11 | 12°54 | 16°37 | 9°10 | 28°37 | 11° 2 | 28°16 | 27°48 | 9°41 | 8°14 | 13°50 | n.a. | S 24 |
| S 25 | 21 4 12 | 13°59'50 | 23°43 | 22°49 | 14° 9 | 16°17 | 9°14 | 28°41 | 11° 6 | 28°17 | 27°51 | 9°35 | 8°11 | 13°56 | n.a. | S 25 |
| M26 | 21 8 8 | 14°59'21 | 6♎50 | 24°27 | 15°25 | 15°58 | 9°18 | 28°44 | 11° 9 | 28°18 | 27°53 | 9°30 | 8° 8 | 14° 3 | n.a. | M26 |
| T 27 | 21 12 5 | 15°58'54 | 19°35 | 26° 4 | 16°40 | 15°38 | 9°22 | 28°48 | 11°13 | 28°19 | 27°55 | 9°25 | 8° 4 | 14°10 | n.a. | T 27 |
| W28 | 21 16 1 | 16°58'29 | 1♏59 | 27°40 | 17°55 | 15°18 | 9°25 | 28°51 | 11°16 | 28°20 | 27°58 | 9°23 | 8° 1 | 14°16 | n.a. | W28 |
| T 29 | 21 19 58 | 17°58'06 | 14° 7 | 29°16 | 19°10 | 14°59 | 9°28 | 28°55 | 11°20 | 28°21 | 28° 0 | 9°D21 | 7°58 | 14°23 | n.a. | T 29 |
| F 30 | 21 23 54 | 18°57'46 | 26° 4 | 0♍50 | 20°26 | 14°39 | 9°31 | 28°58 | 11°23 | 28°22 | 28° 3 | 9°22 | 7°55 | 14°29 | n.a. | F 30 |
| S 31 | 21 27 51 | 19♌57'27 | 7♐54 | 2♍24 | 21♌41 | 14♒20 | 9♉34 | 29♉ 1 | 11♍27 | 28♎23 | 28♌ 5 | 9♑23 | 7♑52 | 14♐36 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 22n20 | 18s15 | 4s45 | 25n 9 | 1n37 | 24n17 | 1n 8 | 19s39 | 5s44 | 13n17 | 0s50 | 18n44 | 1s 7 | 8n43 | 0n44 | 9s18 | 1n49 | 28n28 | 16n51 | 23s32 | 23s35 | 25s 0 | | | n.a. |
| F 2 | 22 11 | 21 31 | 4 11 | 25 4 | 1 41 | 24 10 | 1 10 | 19 43 | 5 45 | 13 20 | 0 50 | 18 46 | 1 7 | 8 42 | 0 44 | 9 18 | 1 49 | 28 27 | 16 51 | 23 32 | 23 35 | 25 0 | | | n.a. |
| S 3 | 22 2 | 23 51 | 3 25 | 24 56 | 1 44 | 24 2 | 1 11 | 19 48 | 5 47 | 13 22 | 0 50 | 18 47 | 1 7 | 8 41 | 0 44 | 9 18 | 1 49 | 28 26 | 16 50 | 23 32 | 23 35 | 25 0 | | | n.a. |
| S 4 | 21 52 | 25 8 | 2 32 | 24 46 | 1 47 | 23 54 | 1 12 | 19 52 | 5 48 | 13 25 | 0 50 | 18 48 | 1 7 | 8 40 | 0 44 | 9 19 | 1 49 | 28 25 | 16 50 | 23 32 | 23 35 | 25 0 | | | n.a. |
| M 5 | 21 41 | 25 16 | 1 31 | 24 33 | 1 48 | 23 44 | 1 13 | 19 57 | 5 48 | 13 27 | 0 50 | 18 50 | 1 7 | 8 38 | 0 44 | 9 19 | 1 49 | 28 24 | 16 50 | 23 32 | 23 36 | 25 0 | | | n.a. |
| T 6 | 21 31 | 24 15 | 0 26 | 24 18 | 1 49 | 23 34 | 1 14 | 20 1 | 5 49 | 13 30 | 0 50 | 18 51 | 1 7 | 8 37 | 0 44 | 9 19 | 1 49 | 28 22 | 16 50 | 23 32 | 23 36 | 25 0 | | | n.a. |
| W 7 | 21 20 | 22 6 | 0n40 | 24 1 | 1 50 | 23 23 | 1 16 | 20 6 | 5 50 | 13 32 | 0 50 | 18 52 | 1 7 | 8 36 | 0 44 | 9 19 | 1 49 | 28 21 | 16 49 | 23 32 | 23 36 | 25 1 | | | n.a. |
| T 8 | 21 8 | 18 55 | 1 46 | 23 42 | 1 50 | 23 12 | 1 17 | 20 11 | 5 50 | 13 34 | 0 50 | 18 53 | 1 7 | 8 35 | 0 44 | 9 19 | 1 49 | 28 20 | 16 49 | 23 32 | 23 36 | 25 1 | | | n.a. |
| F 9 | 20 56 | 14 51 | 2 47 | 23 22 | 1 49 | 23 0 | 1 18 | 20 16 | 5 51 | 13 36 | 0 50 | 18 54 | 1 7 | 8 34 | 0 44 | 9 19 | 1 49 | 28 19 | 16 49 | 23 32 | 23 36 | 25 1 | | | n.a. |
| S 10 | 20 44 | 10 5 | 3 42 | 22 59 | 1 47 | 22 47 | 1 18 | 20 21 | 5 51 | 13 38 | 0 50 | 18 55 | 1 7 | 8 33 | 0 44 | 9 20 | 1 49 | 28 18 | 16 48 | 23 32 | 23 37 | 25 1 | | | n.a. |
| S 11 | 20 31 | 4 49 | 4 26 | 22 35 | 1 45 | 22 33 | 1 19 | 20 26 | 5 51 | 13 40 | 0 50 | 18 57 | 1 7 | 8 31 | 0 44 | 9 20 | 1 49 | 28 17 | 16 48 | 23 32 | 23 37 | 25 1 | | | n.a. |
| M12 | 20 18 | 0n44 | 4 57 | 22 9 | 1 43 | 22 19 | 1 20 | 20 31 | 5 51 | 13 42 | 0 50 | 18 58 | 1 7 | 8 30 | 0 44 | 9 20 | 1 49 | 28 16 | 16 48 | 23 33 | 23 37 | 25 1 | | | n.a. |
| T 13 | 20 5 | 6 20 | 5 13 | 21 41 | 1 40 | 22 4 | 1 21 | 20 37 | 5 51 | 13 44 | 0 50 | 18 59 | 1 7 | 8 29 | 0 44 | 9 20 | 1 49 | 28 15 | 16 48 | 23 33 | 23 37 | 25 1 | | | n.a. |
| W14 | 19 51 | 11 45 | 5 12 | 21 13 | 1 37 | 21 48 | 1 21 | 20 42 | 5 50 | 13 46 | 0 50 | 19 0 | 1 7 | 8 28 | 0 44 | 9 21 | 1 49 | 28 14 | 16 47 | 23 33 | 23 38 | 25 1 | | | n.a. |
| T 15 | 19 37 | 16 41 | 4 53 | 20 42 | 1 33 | 21 32 | 1 22 | 20 47 | 5 50 | 13 48 | 0 51 | 19 1 | 1 8 | 8 26 | 0 44 | 9 21 | 1 48 | 28 13 | 16 47 | 23 33 | 23 38 | 25 2 | | | n.a. |
| F 16 | 19 23 | 20 48 | 4 17 | 20 11 | 1 29 | 21 15 | 1 22 | 20 52 | 5 49 | 13 50 | 0 51 | 19 2 | 1 8 | 8 25 | 0 44 | 9 21 | 1 48 | 28 12 | 16 47 | 23 33 | 23 38 | 25 2 | | | n.a. |
| S 17 | 19 8 | 23 45 | 3 24 | 19 39 | 1 25 | 20 57 | 1 23 | 20 57 | 5 48 | 13 52 | 0 51 | 19 3 | 1 8 | 8 24 | 0 44 | 9 21 | 1 48 | 28 11 | 16 47 | 23 33 | 23 38 | 25 2 | | | n.a. |
| S 18 | 18 53 | 25 13 | 2 18 | 19 6 | 1 21 | 20 39 | 1 23 | 21 3 | 5 47 | 13 53 | 0 51 | 19 4 | 1 8 | 8 22 | 0 44 | 9 22 | 1 48 | 28 10 | 16 47 | 23 33 | 23 38 | 25 2 | | | n.a. |
| M19 | 18 37 | 24 57 | 1 3 | 18 32 | 1 16 | 20 20 | 1 24 | 21 8 | 5 46 | 13 55 | 0 51 | 19 5 | 1 8 | 8 21 | 0 44 | 9 22 | 1 48 | 28 9 | 16 46 | 23 33 | 23 39 | 25 2 | | | n.a. |
| T 20 | 18 21 | 22 59 | 0s17 | 17 56 | 1 11 | 20 1 | 1 24 | 21 13 | 5 45 | 13 57 | 0 51 | 19 6 | 1 8 | 8 20 | 0 44 | 9 22 | 1 48 | 28 8 | 16 46 | 23 33 | 23 39 | 25 2 | | | n.a. |
| W21 | 18 5 | 19 29 | 1 36 | 17 21 | 1 5 | 19 41 | 1 24 | 21 17 | 5 43 | 13 58 | 0 51 | 19 7 | 1 8 | 8 19 | 0 44 | 9 23 | 1 48 | 28 7 | 16 46 | 23 33 | 23 39 | 25 2 | | | n.a. |
| T 22 | 17 49 | 14 50 | 2 47 | 16 44 | 1 0 | 19 20 | 1 24 | 21 22 | 5 42 | 13 59 | 0 51 | 19 8 | 1 8 | 8 17 | 0 44 | 9 23 | 1 48 | 28 6 | 16 46 | 23 33 | 23 39 | 25 2 | | | n.a. |
| F 23 | 17 32 | 9 27 | 3 47 | 16 7 | 0 54 | 18 59 | 1 24 | 21 27 | 5 40 | 14 1 | 0 51 | 19 8 | 1 8 | 8 16 | 0 44 | 9 23 | 1 48 | 28 5 | 16 46 | 23 33 | 23 39 | 25 2 | | | n.a. |
| S 24 | 17 15 | 3 43 | 4 32 | 15 29 | 0 48 | 18 37 | 1 24 | 21 31 | 5 38 | 14 2 | 0 51 | 19 9 | 1 8 | 8 15 | 0 44 | 9 24 | 1 48 | 28 4 | 16 46 | 23 34 | 23 40 | 25 2 | | | n.a. |
| S 25 | 16 58 | 2s 2 | 5 0 | 14 51 | 0 42 | 18 15 | 1 24 | 21 35 | 5 36 | 14 3 | 0 51 | 19 10 | 1 8 | 8 13 | 0 44 | 9 24 | 1 48 | 28 3 | 16 46 | 23 34 | 23 40 | 25 2 | | | n.a. |
| M26 | 16 40 | 7 31 | 5 11 | 14 12 | 0 36 | 17 53 | 1 24 | 21 39 | 5 33 | 14 5 | 0 51 | 19 11 | 1 8 | 8 12 | 0 44 | 9 25 | 1 48 | 28 2 | 16 45 | 23 34 | 23 40 | 25 2 | | | n.a. |
| T 27 | 16 22 | 12 31 | 5 7 | 13 33 | 0 30 | 17 29 | 1 24 | 21 43 | 5 31 | 14 6 | 0 51 | 19 12 | 1 8 | 8 10 | 0 44 | 9 25 | 1 48 | 28 1 | 16 45 | 23 35 | 23 40 | 25 2 | | | n.a. |
| W28 | 16 4 | 16 53 | 4 48 | 12 53 | 0 23 | 17 6 | 1 24 | 21 47 | 5 28 | 14 7 | 0 51 | 19 12 | 1 8 | 8 9 | 0 44 | 9 25 | 1 48 | 28 0 | 16 45 | 23 35 | 23 40 | 25 2 | | | n.a. |
| T 29 | 15 45 | 20 28 | 4 16 | 12 13 | 0 17 | 16 41 | 1 23 | 21 50 | 5 25 | 14 8 | 0 51 | 19 13 | 1 8 | 8 8 | 0 44 | 9 26 | 1 48 | 27 59 | 16 45 | 23 35 | 23 41 | 25 2 | | | n.a. |
| F 30 | 15 26 | 23 7 | 3 34 | 11 33 | 0 10 | 16 17 | 1 23 | 21 53 | 5 23 | 14 9 | 0 51 | 19 14 | 1 8 | 8 6 | 0 44 | 9 26 | 1 47 | 27 58 | 16 45 | 23 35 | 23 41 | 25 2 | | | n.a. |
| S 31 | 15n 7 | 24s45 | 2s43 | 10n53 | 0n 3 | 15n52 | 1n23 | 21s56 | 5s20 | 14n10 | 0s51 | 19n14 | 1s 8 | 8n 5 | 0n44 | 9s27 | 1n47 | 27n57 | 16n45 | 23s35 | 23s41 | 25s 2 | | | n.a. |

Julian Day Number = 1000631.5, Delta T = 12h51m37s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'53, Lahiri = -31°09'52 Julian Calendar 1 Aug. 1974 BCE == Greg. Calendar 15 July 1974 BCE

The year -1973 astronomical counting style corresponds to year 1974 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## SEPTEMBER 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 31 47 | 20♌57'10 | 19♐43 | 3♍58 | 22♌56 | 14°R 2 | 9♉37 | 29♉ 4 | 11♍31 | 28♎24 | 28♌ 7 | 9♏24 | 7♏49 | 14♐43 | n.a. | S 1 |
| M 2 | 21 35 44 | 21°56'55 | 1♏35 | 5°31 | 24°12 | 13♒43 | 9°40 | 29° 7 | 11°34 | 28°25 | 28°10 | 9°26 | 7°45 | 14°49 | n.a. | M 2 |
| T 3 | 21 39 40 | 22°56'41 | 13°36 | 7° 3 | 25°27 | 13°26 | 9°42 | 29°10 | 11°38 | 28°26 | 28°12 | 9°R26 | 7°42 | 14°56 | n.a. | T 3 |
| W 4 | 21 43 37 | 23°56'30 | 25°48 | 8°34 | 26°42 | 13° 8 | 9°44 | 29°13 | 11°41 | 28°27 | 28°15 | 9°24 | 7°39 | 15° 3 | n.a. | W 4 |
| T 5 | 21 47 34 | 24°56'21 | 8♒14 | 10° 5 | 27°58 | 12°51 | 9°46 | 29°16 | 11°45 | 28°29 | 28°17 | 9°21 | 7°36 | 15° 9 | n.a. | T 5 |
| F 6 | 21 51 30 | 25°56'14 | 20°56 | 11°35 | 29°13 | 12°35 | 9°48 | 29°18 | 11°49 | 28°30 | 28°19 | 9°15 | 7°33 | 15°16 | n.a. | F 6 |
| S 7 | 21 55 27 | 26°56'09 | 3♓55 | 13° 4 | 0♍29 | 12°19 | 9°50 | 29°21 | 11°52 | 28°31 | 28°22 | 9° 8 | 7°30 | 15°23 | n.a. | S 7 |
| S 8 | 21 59 23 | 27°56'06 | 17° 9 | 14°33 | 1°44 | 12° 4 | 9°51 | 29°23 | 11°56 | 28°32 | 28°24 | 8°59 | 7°26 | 15°29 | n.a. | S 8 |
| M 9 | 22 3 20 | 28°56'05 | 0♈36 | 16° 1 | 2°59 | 11°50 | 9°52 | 29°25 | 12° 0 | 28°34 | 28°27 | 8°50 | 7°23 | 15°36 | n.a. | M 9 |
| T 10 | 22 7 16 | 29°56'07 | 14°16 | 17°28 | 4°15 | 11°36 | 9°53 | 29°27 | 12° 3 | 28°35 | 28°29 | 8°42 | 7°20 | 15°43 | n.a. | T 10 |
| W11 | 22 11 13 | 0♍56'10 | 28° 4 | 18°55 | 5°30 | 11°22 | 9°54 | 29°29 | 12° 7 | 28°37 | 28°31 | 8°36 | 7°17 | 15°49 | n.a. | W11 |
| T 12 | 22 15 9 | 1°56'16 | 12♉ 0 | 20°21 | 6°46 | 11°10 | 9°55 | 29°31 | 12°11 | 28°38 | 28°34 | 8°32 | 7°14 | 15°56 | n.a. | T 12 |
| F 13 | 22 19 6 | 2°56'25 | 26° 1 | 21°46 | 8° 1 | 10°58 | 9°55 | 29°33 | 12°15 | 28°39 | 28°36 | 8°30 | 7°10 | 16° 3 | n.a. | F 13 |
| S 14 | 22 23 2 | 3°56'36 | 10♊ 7 | 23°11 | 9°16 | 10°47 | 9°55 | 29°35 | 12°18 | 28°41 | 28°39 | 8°D30 | 7° 7 | 16° 9 | n.a. | S 14 |
| S 15 | 22 26 59 | 4°56'49 | 24°16 | 24°34 | 10°32 | 10°36 | 9°R55 | 29°36 | 12°22 | 28°42 | 28°41 | 8°31 | 7° 4 | 16°16 | n.a. | S 15 |
| M16 | 22 30 56 | 5°57'04 | 8♋26 | 25°57 | 11°47 | 10°27 | 9°55 | 29°38 | 12°26 | 28°44 | 28°43 | 8°R32 | 7° 1 | 16°23 | n.a. | M16 |
| T 17 | 22 34 52 | 6°57'22 | 22°38 | 27°19 | 13° 3 | 10°18 | 9°55 | 29°39 | 12°30 | 28°45 | 28°46 | 8°31 | 6°58 | 16°29 | n.a. | T 17 |
| W18 | 22 38 49 | 7°57'42 | 6♌46 | 28°40 | 14°18 | 10°10 | 9°54 | 29°41 | 12°33 | 28°47 | 28°48 | 8°28 | 6°55 | 16°36 | n.a. | W18 |
| T 19 | 22 42 45 | 8°58'04 | 20°49 | 29°59 | 15°34 | 10° 3 | 9°53 | 29°42 | 12°37 | 28°49 | 28°51 | 8°22 | 6°51 | 16°43 | n.a. | T 19 |
| F 20 | 22 46 42 | 9°58'28 | 4♍42 | 1♎18 | 16°49 | 9°56 | 9°52 | 29°43 | 12°41 | 28°50 | 28°53 | 8°13 | 6°48 | 16°49 | n.a. | F 20 |
| S 21 | 22 50 38 | 10°58'53 | 18°20 | 2°36 | 18° 4 | 9°51 | 9°51 | 29°44 | 12°45 | 28°52 | 28°55 | 8° 3 | 6°45 | 16°56 | n.a. | S 21 |
| S 22 | 22 54 35 | 11°59'21 | 1♎42 | 3°52 | 19°20 | 9°46 | 9°50 | 29°44 | 12°48 | 28°54 | 28°58 | 7°51 | 6°42 | 17° 3 | n.a. | S 22 |
| M23 | 22 58 31 | 12°59'50 | 14°44 | 5° 6 | 20°35 | 9°42 | 9°48 | 29°45 | 12°52 | 28°55 | 29° 0 | 7°40 | 6°39 | 17° 9 | n.a. | M23 |
| T 24 | 23 2 28 | 14° 0'21 | 27°26 | 6°19 | 21°51 | 9°39 | 9°46 | 29°46 | 12°56 | 28°57 | 29° 2 | 7°30 | 6°36 | 17°16 | n.a. | T 24 |
| W25 | 23 6 25 | 15° 0'54 | 9♏50 | 7°30 | 23° 6 | 9°36 | 9°44 | 29°46 | 13° 0 | 28°59 | 29° 5 | 7°22 | 6°32 | 17°23 | n.a. | W25 |
| T 26 | 23 10 21 | 16° 1'28 | 21°58 | 8°38 | 24°22 | 9°35 | 9°42 | 29°47 | 13° 4 | 29° 1 | 29° 7 | 7°17 | 6°29 | 17°29 | n.a. | T 26 |
| F 27 | 23 14 18 | 17° 2'04 | 3♐54 | 9°44 | 25°37 | 9°D34 | 9°40 | 29°47 | 13° 7 | 29° 2 | 29°10 | 7°14 | 6°26 | 17°36 | n.a. | F 27 |
| S 28 | 23 18 14 | 18° 2'41 | 15°44 | 10°48 | 26°52 | 9°34 | 9°37 | 29°47 | 13°11 | 29° 4 | 29°12 | 7°D13 | 6°23 | 17°42 | n.a. | S 28 |
| S 29 | 23 22 11 | 19° 3'20 | 27°32 | 11°48 | 28° 8 | 9°35 | 9°34 | 29°R47 | 13°15 | 29° 6 | 29°14 | 7°13 | 6°20 | 17°49 | n.a. | S 29 |
| M30 | 23 26 7 | 20♍ 4'00 | 9♏24 | 12♎45 | 29♍23 | 9♒37 | 9♉31 | 29♉47 | 13♍19 | 29♎ 8 | 29♌16 | 7°R13 | 6♏16 | 17♐56 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n48 | 25s16 | 1s45 | 10n12 | 0s 3 | 15n26 | 1n22 | 21s59 | 5s16 | 14n11 | 0s51 | 19n15 | 1s 8 | 8n 3 | 0n44 | 9s27 | 1n47 | 27n56 | 16n45 | 23s35 | 23s41 | 25s 2 | | n.a. |
| M 2 | 14 28 | 24 37 | 0 42 | 9 31 | 0 10 | 15 0 | 1 21 | 22 1 | 5 13 | 14 11 | 0 51 | 19 16 | 1 8 | 8 2 | 0 44 | 9 28 | 1 47 | 27 55 | 16 45 | 23 35 | 23 41 | 25 2 | | n.a. |
| T 3 | 14 9 | 22 50 | 0n23 | 8 50 | 0 17 | 14 34 | 1 21 | 22 4 | 5 10 | 14 12 | 0 51 | 19 16 | 1 8 | 8 1 | 0 44 | 9 28 | 1 47 | 27 54 | 16 45 | 23 35 | 23 42 | 25 2 | | n.a. |
| W 4 | 13 48 | 19 59 | 1 28 | 8 9 | 0 24 | 14 7 | 1 20 | 22 5 | 5 6 | 14 13 | 0 51 | 19 17 | 1 8 | 7 59 | 0 44 | 9 29 | 1 47 | 27 53 | 16 45 | 23 35 | 23 42 | 25 2 | | n.a. |
| T 5 | 13 28 | 16 10 | 2 29 | 7 28 | 0 31 | 13 40 | 1 19 | 22 7 | 5 3 | 14 13 | 0 51 | 19 17 | 1 8 | 7 58 | 0 44 | 9 29 | 1 47 | 27 52 | 16 45 | 23 35 | 23 42 | 25 2 | | n.a. |
| F 6 | 13 8 | 11 34 | 3 25 | 6 47 | 0 38 | 13 12 | 1 19 | 22 8 | 4 59 | 14 14 | 0 51 | 19 18 | 1 8 | 7 56 | 0 43 | 9 30 | 1 47 | 27 51 | 16 45 | 23 35 | 23 42 | 25 2 | | n.a. |
| S 7 | 12 47 | 6 23 | 4 11 | 6 6 | 0 45 | 12 44 | 1 18 | 22 9 | 4 55 | 14 14 | 0 51 | 19 18 | 1 8 | 7 55 | 0 43 | 9 30 | 1 47 | 27 51 | 16 45 | 23 36 | 23 42 | 25 2 | | n.a. |
| S 8 | 12 26 | 0 49 | 4 45 | 5 25 | 0 52 | 12 16 | 1 17 | 22 10 | 4 52 | 14 15 | 0 51 | 19 19 | 1 8 | 7 53 | 0 43 | 9 31 | 1 47 | 27 50 | 16 45 | 23 37 | 23 42 | 25 2 | | n.a. |
| M 9 | 12 5 | 4n52 | 5 4 | 4 44 | 0 59 | 11 47 | 1 16 | 22 11 | 4 48 | 14 15 | 0 52 | 19 19 | 1 8 | 7 52 | 0 43 | 9 31 | 1 47 | 27 49 | 16 45 | 23 37 | 23 43 | 25 2 | | n.a. |
| T 10 | 11 43 | 10 24 | 5 5 | 4 3 | 1 5 | 11 18 | 1 15 | 22 11 | 4 44 | 14 15 | 0 52 | 19 20 | 1 8 | 7 51 | 0 43 | 9 32 | 1 47 | 27 48 | 16 45 | 23 38 | 23 43 | 25 2 | | n.a. |
| W11 | 11 22 | 15 29 | 4 49 | 3 22 | 1 12 | 10 49 | 1 14 | 22 11 | 4 40 | 14 16 | 0 52 | 19 20 | 1 8 | 7 49 | 0 43 | 9 32 | 1 47 | 27 47 | 16 45 | 23 38 | 23 43 | 25 2 | | n.a. |
| T 12 | 11 0 | 19 48 | 4 16 | 2 42 | 1 19 | 10 19 | 1 12 | 22 11 | 4 36 | 14 16 | 0 52 | 19 21 | 1 8 | 7 48 | 0 43 | 9 33 | 1 47 | 27 46 | 16 45 | 23 38 | 23 43 | 25 1 | | n.a. |
| F 13 | 10 38 | 23 0 | 3 28 | 2 1 | 1 26 | 9 50 | 1 11 | 22 10 | 4 32 | 14 16 | 0 52 | 19 21 | 1 8 | 7 46 | 0 43 | 9 33 | 1 47 | 27 45 | 16 45 | 23 39 | 23 43 | 25 1 | | n.a. |
| S 14 | 10 16 | 24 50 | 2 26 | 1 21 | 1 32 | 9 20 | 1 10 | 22 9 | 4 27 | 14 16 | 0 52 | 19 21 | 1 8 | 7 45 | 0 43 | 9 34 | 1 47 | 27 44 | 16 45 | 23 39 | 23 44 | 25 1 | | n.a. |
| S 15 | 9 53 | 25 3 | 1 16 | 0 42 | 1 38 | 8 49 | 1 9 | 22 8 | 4 23 | 14 16 | 0 52 | 19 22 | 1 8 | 7 43 | 0 43 | 9 35 | 1 47 | 27 44 | 16 45 | 23 39 | 23 44 | 25 1 | | n.a. |
| M16 | 9 31 | 23 39 | 0 0 | 0 3 | 1 45 | 8 19 | 1 7 | 22 7 | 4 19 | 14 16 | 0 52 | 19 22 | 1 8 | 7 42 | 0 43 | 9 35 | 1 46 | 27 43 | 16 45 | 23 38 | 23 44 | 25 1 | | n.a. |
| T 17 | 9 8 | 20 45 | 1s15 | 0s36 | 1 51 | 7 48 | 1 6 | 22 6 | 4 15 | 14 16 | 0 52 | 19 22 | 1 9 | 7 40 | 0 43 | 9 36 | 1 46 | 27 42 | 16 45 | 23 39 | 23 44 | 25 1 | | n.a. |
| W18 | 8 45 | 16 37 | 2 25 | 1 14 | 1 57 | 7 17 | 1 4 | 22 4 | 4 11 | 14 16 | 0 52 | 19 22 | 1 9 | 7 39 | 0 43 | 9 36 | 1 46 | 27 41 | 16 45 | 23 39 | 23 44 | 25 1 | | n.a. |
| T 19 | 8 22 | 11 36 | 3 26 | 1 52 | 2 2 | 6 46 | 1 3 | 22 2 | 4 6 | 14 15 | 0 52 | 19 23 | 1 9 | 7 37 | 0 43 | 9 37 | 1 46 | 27 40 | 16 45 | 23 39 | 23 44 | 25 1 | | n.a. |
| F 20 | 7 59 | 6 3 | 4 13 | 2 29 | 2 8 | 6 14 | 1 1 | 21 59 | 4 2 | 14 15 | 0 52 | 19 23 | 1 9 | 7 36 | 0 43 | 9 38 | 1 46 | 27 39 | 16 45 | 23 40 | 23 45 | 25 0 | | n.a. |
| S 21 | 7 36 | 0 20 | 4 46 | 3 5 | 2 13 | 5 43 | 0 59 | 21 57 | 3 58 | 14 14 | 0 52 | 19 23 | 1 9 | 7 34 | 0 43 | 9 38 | 1 46 | 27 39 | 16 45 | 23 40 | 23 45 | 25 0 | | n.a. |
| S 22 | 7 12 | 5s17 | 5 1 | 3 40 | 2 18 | 5 11 | 0 58 | 21 54 | 3 53 | 14 14 | 0 52 | 19 23 | 1 9 | 7 33 | 0 43 | 9 39 | 1 46 | 27 38 | 16 46 | 23 41 | 23 45 | 25 0 | | n.a. |
| M23 | 6 49 | 10 31 | 5 1 | 4 15 | 2 23 | 4 39 | 0 56 | 21 51 | 3 49 | 14 13 | 0 52 | 19 23 | 1 9 | 7 31 | 0 43 | 9 40 | 1 46 | 27 37 | 16 46 | 23 42 | 23 45 | 25 0 | | n.a. |
| T 24 | 6 25 | 15 11 | 4 45 | 4 48 | 2 27 | 4 7 | 0 54 | 21 48 | 3 45 | 14 13 | 0 52 | 19 23 | 1 9 | 7 30 | 0 43 | 9 40 | 1 46 | 27 36 | 16 46 | 23 42 | 23 45 | 25 0 | | n.a. |
| W25 | 6 1 | 19 6 | 4 16 | 5 20 | 2 31 | 3 35 | 0 52 | 21 44 | 3 41 | 14 12 | 0 52 | 19 23 | 1 9 | 7 28 | 0 43 | 9 41 | 1 46 | 27 36 | 16 46 | 23 43 | 23 45 | 25 0 | | n.a. |
| T 26 | 5 37 | 22 6 | 3 36 | 5 51 | 2 35 | 3 3 | 0 51 | 21 41 | 3 36 | 14 11 | 0 52 | 19 23 | 1 9 | 7 27 | 0 43 | 9 42 | 1 46 | 27 35 | 16 46 | 23 43 | 23 46 | 24 59 | | n.a. |
| F 27 | 5 13 | 24 6 | 2 48 | 6 20 | 2 38 | 2 31 | 0 49 | 21 37 | 3 32 | 14 11 | 0 52 | 19 23 | 1 9 | 7 26 | 0 43 | 9 42 | 1 46 | 27 34 | 16 46 | 23 43 | 23 46 | 24 59 | | n.a. |
| S 28 | 4 49 | 25 0 | 1 52 | 6 48 | 2 40 | 1 59 | 0 47 | 21 33 | 3 28 | 14 10 | 0 52 | 19 23 | 1 9 | 7 24 | 0 43 | 9 43 | 1 46 | 27 33 | 16 47 | 23 43 | 23 46 | 24 59 | | n.a. |
| S 29 | 4 25 | 24 45 | 0 51 | 7 14 | 2 42 | 1 26 | 0 45 | 21 29 | 3 24 | 14 9 | 0 52 | 19 23 | 1 9 | 7 23 | 0 43 | 9 44 | 1 46 | 27 33 | 16 47 | 23 43 | 23 46 | 24 59 | | n.a. |
| M30 | 4n 1 | 23s23 | 0n12 | 7s38 | 2s44 | 0n54 | 0n43 | 21s24 | 3s20 | 14n 8 | 0s52 | 19n23 | 1s 9 | 7n21 | 0n43 | 9s44 | 1n46 | 27n32 | 16n47 | 23s43 | 23s46 | 24s59 | | n.a. |

Julian Day Number = 1000662.5, Delta T = 12h51m35s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'49, Lahiri = -31°09'48 Julian Calendar 1 Sept. 1974 BCE == Greg. Calendar 15 Aug. 1974 BCE


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## OCTOBER 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 30 4 | 21♍ 4'41 | 21♉26 | 13♎38 | 0♎39 | 9♒39 | 9°R28 | 29°R47 | 13♍22 | 29♎10 | 29♌19 | 7°R12 | 6♉13 | 18♐ 2 | n.a. | T 1 |
| W 2 | 23 34 0 | 22° 5'24 | 3♒42 | 14°27 | 1°54 | 9°43 | 9♉25 | 29♉46 | 13°26 | 29°12 | 29°21 | 7♉ 9 | 6°10 | 18° 9 | n.a. | W 2 |
| T 3 | 23 37 57 | 23° 6'08 | 16°17 | 15°11 | 3° 9 | 9°47 | 9°21 | 29°46 | 13°30 | 29°13 | 29°23 | 7° 4 | 6° 7 | 18°16 | n.a. | T 3 |
| F 4 | 23 41 54 | 24° 6'53 | 29°12 | 15°49 | 4°25 | 9°51 | 9°17 | 29°45 | 13°34 | 29°15 | 29°26 | 6°55 | 6° 4 | 18°22 | n.a. | F 4 |
| S 5 | 23 45 50 | 25° 7'40 | 12♓29 | 16°22 | 5°40 | 9°57 | 9°13 | 29°45 | 13°37 | 29°17 | 29°28 | 6°45 | 6° 1 | 18°29 | n.a. | S 5 |
| S 6 | 23 49 47 | 26° 8'28 | 26° 6 | 16°47 | 6°56 | 10° 3 | 9° 9 | 29°44 | 13°41 | 29°19 | 29°30 | 6°32 | 5°57 | 18°36 | n.a. | S 6 |
| M 7 | 23 53 43 | 27° 9'18 | 10♈ 1 | 17° 5 | 8°11 | 10°10 | 9° 5 | 29°43 | 13°45 | 29°21 | 29°32 | 6°20 | 5°54 | 18°42 | n.a. | M 7 |
| T 8 | 23 57 40 | 28°10'09 | 24° 9 | 17°14 | 9°26 | 10°18 | 9° 0 | 29°42 | 13°48 | 29°23 | 29°34 | 6° 8 | 5°51 | 18°49 | n.a. | T 8 |
| W 9 | 0 1 36 | 29°11'02 | 8♉23 | 17°R14 | 10°42 | 10°26 | 8°56 | 29°41 | 13°52 | 29°25 | 29°37 | 5°58 | 5°48 | 18°56 | n.a. | W 9 |
| T 10 | 0 5 33 | 0♎11'57 | 22°40 | 17° 4 | 11°57 | 10°35 | 8°51 | 29°40 | 13°56 | 29°27 | 29°39 | 5°51 | 5°45 | 19° 2 | n.a. | T 10 |
| F 11 | 0 9 29 | 1°12'53 | 6♊56 | 16°44 | 13°12 | 10°45 | 8°46 | 29°38 | 13°59 | 29°29 | 29°41 | 5°47 | 5°41 | 19° 9 | n.a. | F 11 |
| S 12 | 0 13 26 | 2°13'50 | 21° 7 | 16°13 | 14°28 | 10°55 | 8°41 | 29°37 | 14° 3 | 29°31 | 29°43 | 5°46 | 5°38 | 19°16 | n.a. | S 12 |
| S 13 | 0 17 22 | 3°14'50 | 5♋12 | 15°32 | 15°43 | 11° 6 | 8°35 | 29°35 | 14° 7 | 29°33 | 29°45 | 5°46 | 5°35 | 19°22 | n.a. | S 13 |
| M14 | 0 21 19 | 4°15'51 | 19°10 | 14°40 | 16°58 | 11°17 | 8°30 | 29°34 | 14°10 | 29°36 | 29°47 | 5°46 | 5°32 | 19°29 | n.a. | M14 |
| T 15 | 0 25 16 | 5°16'53 | 3♌ 1 | 13°38 | 18°14 | 11°30 | 8°24 | 29°32 | 14°14 | 29°38 | 29°49 | 5°44 | 5°29 | 19°36 | n.a. | T 15 |
| W16 | 0 29 12 | 6°17'57 | 16°46 | 12°28 | 19°29 | 11°42 | 8°18 | 29°30 | 14°18 | 29°40 | 29°51 | 5°40 | 5°26 | 19°42 | n.a. | W16 |
| T 17 | 0 33 9 | 7°19'02 | 0♍22 | 11°11 | 20°44 | 11°56 | 8°12 | 29°28 | 14°21 | 29°42 | 29°53 | 5°32 | 5°22 | 19°49 | n.a. | T 17 |
| F 18 | 0 37 5 | 8°20'08 | 13°49 | 9°50 | 21°59 | 12°10 | 8° 6 | 29°26 | 14°25 | 29°44 | 29°55 | 5°22 | 5°19 | 19°56 | n.a. | F 18 |
| S 19 | 0 41 2 | 9°21'15 | 27° 5 | 8°27 | 23°15 | 12°24 | 8° 0 | 29°24 | 14°28 | 29°46 | 29°57 | 5° 9 | 5°16 | 20° 2 | n.a. | S 19 |
| S 20 | 0 44 58 | 10°22'24 | 10♎ 7 | 7° 6 | 24°30 | 12°39 | 7°54 | 29°21 | 14°32 | 29°48 | 29°59 | 4°55 | 5°13 | 20° 9 | n.a. | S 20 |
| M21 | 0 48 55 | 11°23'34 | 22°55 | 5°48 | 25°45 | 12°55 | 7°47 | 29°19 | 14°35 | 29°51 | 0♍ 1 | 4°41 | 5°10 | 20°15 | n.a. | M21 |
| T 22 | 0 52 51 | 12°24'44 | 5♏28 | 4°37 | 27° 0 | 13°11 | 7°40 | 29°16 | 14°39 | 29°53 | 0° 3 | 4°29 | 5° 7 | 20°22 | n.a. | T 22 |
| W23 | 0 56 48 | 13°25'55 | 17°46 | 3°35 | 28°16 | 13°28 | 7°34 | 29°14 | 14°42 | 29°55 | 0° 5 | 4°18 | 5° 3 | 20°29 | n.a. | W23 |
| T 24 | 1 0 45 | 14°27'08 | 29°50 | 2°42 | 29°31 | 13°45 | 7°27 | 29°11 | 14°45 | 29°57 | 0° 7 | 4°11 | 5° 0 | 20°35 | n.a. | T 24 |
| F 25 | 1 4 41 | 15°28'20 | 11♐45 | 2° 0 | 0♏46 | 14° 3 | 7°20 | 29° 8 | 14°49 | 29°59 | 0° 9 | 4° 6 | 4°57 | 20°42 | n.a. | F 25 |
| S 26 | 1 8 38 | 16°29'34 | 23°33 | 1°30 | 2° 1 | 14°21 | 7°13 | 29° 5 | 14°52 | 0♏ 2 | 0°11 | 4° 4 | 4°54 | 20°49 | n.a. | S 26 |
| S 27 | 1 12 34 | 17°30'48 | 5♑20 | 1°11 | 3°17 | 14°40 | 7° 5 | 29° 2 | 14°56 | 0° 4 | 0°13 | 4°D 4 | 4°51 | 20°55 | n.a. | S 27 |
| M28 | 1 16 31 | 18°32'02 | 17°10 | 1°D 3 | 4°32 | 14°59 | 6°58 | 28°59 | 14°59 | 0° 6 | 0°14 | 4°R 4 | 4°47 | 21° 2 | n.a. | M28 |
| T 29 | 1 20 27 | 19°33'17 | 29°10 | 1° 5 | 5°47 | 15°19 | 6°51 | 28°56 | 15° 2 | 0° 8 | 0°16 | 4° 4 | 4°44 | 21° 9 | n.a. | T 29 |
| W30 | 1 24 24 | 20°34'32 | 11♒25 | 1°17 | 7° 2 | 15°39 | 6°43 | 28°53 | 15° 5 | 0°10 | 0°18 | 4° 2 | 4°41 | 21°15 | n.a. | W30 |
| T 31 | 1 28 21 | 21♎35'47 | 24♒ 1 | 1♎38 | 8♏17 | 15♒59 | 6♉35 | 28♉49 | 15♍ 9 | 0♏13 | 0♍20 | 3♑57 | 4♑38 | 21♐22 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 3n36 | 20s57 | 1n15 | 8s 0 | 2s44 | 0n21 | 0n41 | 21s20 | 3s16 | 14n 7 | 0s52 | 19n23 | 1s 9 | 7n20 | 0n43 | 9s45 | 1n46 | 27n31 | 16n47 | 23s43 | 23s46 | 24s58 | | | n.a. |
| W 2 | 3 12 | 17 31 | 2 16 | 8 19 | 2 44 | 0s11 | 0 39 | 21 15 | 3 12 | 14 6 | 0 52 | 19 23 | 1 9 | 7 18 | 0 43 | 9 46 | 1 46 | 27 31 | 16 47 | 23 43 | 23 46 | 24 58 | | | n.a. |
| T 3 | 2 47 | 13 14 | 3 11 | 8 36 | 2 43 | 0 43 | 0 36 | 21 10 | 3 8 | 14 5 | 0 52 | 19 23 | 1 9 | 7 17 | 0 43 | 9 47 | 1 46 | 27 30 | 16 48 | 23 44 | 23 47 | 24 58 | | | n.a. |
| F 4 | 2 23 | 8 16 | 3 59 | 8 49 | 2 41 | 1 16 | 0 34 | 21 5 | 3 4 | 14 3 | 0 52 | 19 23 | 1 9 | 7 15 | 0 43 | 9 47 | 1 46 | 27 29 | 16 48 | 23 44 | 23 47 | 24 58 | | | n.a. |
| S 5 | 1 58 | 2 48 | 4 34 | 8 59 | 2 38 | 1 48 | 0 32 | 20 59 | 3 0 | 14 2 | 0 52 | 19 23 | 1 9 | 7 14 | 0 43 | 9 48 | 1 46 | 27 29 | 16 48 | 23 45 | 23 47 | 24 58 | | | n.a. |
| S 6 | 1 34 | 2n56 | 4 56 | 9 5 | 2 34 | 2 21 | 0 30 | 20 54 | 2 56 | 14 1 | 0 52 | 19 23 | 1 9 | 7 12 | 0 43 | 9 49 | 1 46 | 27 28 | 16 48 | 23 45 | 23 47 | 24 57 | | | n.a. |
| M 7 | 1 9 | 8 37 | 5 0 | 9 7 | 2 29 | 2 53 | 0 28 | 20 48 | 2 52 | 14 0 | 0 52 | 19 22 | 1 9 | 7 11 | 0 43 | 9 50 | 1 45 | 27 28 | 16 49 | 23 46 | 23 47 | 24 57 | | | n.a. |
| T 8 | 0 45 | 13 58 | 4 46 | 9 5 | 2 22 | 3 26 | 0 25 | 20 43 | 2 48 | 13 58 | 0 52 | 19 22 | 1 9 | 7 9 | 0 43 | 9 50 | 1 45 | 27 27 | 16 49 | 23 47 | 23 47 | 24 57 | | | n.a. |
| W 9 | 0 20 | 18 35 | 4 14 | 8 57 | 2 14 | 3 58 | 0 23 | 20 37 | 2 45 | 13 57 | 0 52 | 19 22 | 1 9 | 7 8 | 0 43 | 9 51 | 1 45 | 27 26 | 16 49 | 23 47 | 23 48 | 24 56 | | | n.a. |
| T 10 | 0s 5 | 22 8 | 3 27 | 8 44 | 2 4 | 4 30 | 0 21 | 20 31 | 2 41 | 13 55 | 0 52 | 19 22 | 1 9 | 7 7 | 0 43 | 9 52 | 1 45 | 27 26 | 16 49 | 23 47 | 23 48 | 24 56 | | | n.a. |
| F 11 | 0 30 | 24 18 | 2 26 | 8 25 | 1 52 | 5 2 | 0 18 | 20 24 | 2 37 | 13 53 | 0 52 | 19 21 | 1 9 | 7 5 | 0 43 | 9 53 | 1 45 | 27 25 | 16 50 | 23 48 | 23 48 | 24 56 | | | n.a. |
| S 12 | 0 54 | 24 54 | 1 17 | 8 1 | 1 38 | 5 34 | 0 16 | 20 18 | 2 34 | 13 52 | 0 52 | 19 21 | 1 9 | 7 4 | 0 43 | 9 53 | 1 45 | 27 25 | 16 50 | 23 48 | 23 48 | 24 56 | | | n.a. |
| S 13 | 1 19 | 23 52 | 0 3 | 7 31 | 1 23 | 6 6 | 0 14 | 20 12 | 2 30 | 13 50 | 0 52 | 19 21 | 1 9 | 7 2 | 0 43 | 9 54 | 1 45 | 27 24 | 16 50 | 23 48 | 23 48 | 24 55 | | | n.a. |
| M14 | 1 44 | 21 22 | 1s10 | 6 55 | 1 7 | 6 38 | 0 11 | 20 5 | 2 27 | 13 48 | 0 52 | 19 20 | 1 9 | 7 1 | 0 43 | 9 55 | 1 45 | 27 24 | 16 51 | 23 48 | 23 48 | 24 55 | | | n.a. |
| T 15 | 2 8 | 17 38 | 2 19 | 6 13 | 0 48 | 7 9 | 0 9 | 19 58 | 2 23 | 13 46 | 0 52 | 19 20 | 1 9 | 7 0 | 0 43 | 9 56 | 1 45 | 27 23 | 16 51 | 23 48 | 23 48 | 24 55 | | | n.a. |
| W16 | 2 33 | 12 59 | 3 18 | 5 28 | 0 29 | 7 40 | 0 6 | 19 51 | 2 20 | 13 45 | 0 52 | 19 19 | 1 9 | 6 58 | 0 43 | 9 56 | 1 45 | 27 23 | 16 51 | 23 48 | 23 48 | 24 54 | | | n.a. |
| T 17 | 2 58 | 7 44 | 4 6 | 4 39 | 0 9 | 8 12 | 0 4 | 19 44 | 2 16 | 13 43 | 0 52 | 19 19 | 1 9 | 6 57 | 0 43 | 9 57 | 1 45 | 27 22 | 16 52 | 23 48 | 23 49 | 24 54 | | | n.a. |
| F 18 | 3 22 | 2 12 | 4 39 | 3 47 | 0n12 | 8 43 | 0 1 | 19 37 | 2 13 | 13 41 | 0 52 | 19 18 | 1 9 | 6 55 | 0 43 | 9 58 | 1 45 | 27 22 | 16 52 | 23 49 | 23 49 | 24 54 | | | n.a. |
| S 19 | 3 47 | 3s20 | 4 57 | 2 55 | 0 32 | 9 13 | 0s 1 | 19 30 | 2 10 | 13 39 | 0 52 | 19 18 | 1 9 | 6 54 | 0 43 | 9 59 | 1 45 | 27 22 | 16 52 | 23 49 | 23 49 | 24 53 | | | n.a. |
| S 20 | 4 11 | 8 39 | 4 59 | 2 4 | 0 52 | 9 44 | 0 3 | 19 22 | 2 7 | 13 37 | 0 51 | 19 17 | 1 9 | 6 53 | 0 44 | 10 0 | 1 45 | 27 21 | 16 53 | 23 50 | 23 49 | 24 53 | | | n.a. |
| M21 | 4 36 | 13 29 | 4 45 | 1 16 | 1 11 | 10 14 | 0 6 | 19 14 | 2 3 | 13 35 | 0 51 | 19 17 | 1 9 | 6 51 | 0 44 | 10 0 | 1 45 | 27 21 | 16 53 | 23 50 | 23 49 | 24 53 | | | n.a. |
| T 22 | 5 0 | 17 39 | 4 18 | 0 31 | 1 29 | 10 44 | 0 8 | 19 7 | 2 0 | 13 32 | 0 51 | 19 16 | 1 9 | 6 50 | 0 44 | 10 1 | 1 45 | 27 20 | 16 53 | 23 51 | 23 49 | 24 52 | | | n.a. |
| W23 | 5 24 | 20 58 | 3 39 | 0n 8 | 1 44 | 11 14 | 0 11 | 18 59 | 1 57 | 13 30 | 0 51 | 19 16 | 1 9 | 6 49 | 0 44 | 10 2 | 1 45 | 27 20 | 16 54 | 23 51 | 23 49 | 24 52 | | | n.a. |
| T 24 | 5 48 | 23 18 | 2 51 | 0 42 | 1 58 | 11 44 | 0 13 | 18 51 | 1 54 | 13 28 | 0 51 | 19 15 | 1 9 | 6 47 | 0 44 | 10 3 | 1 45 | 27 20 | 16 54 | 23 51 | 23 50 | 24 52 | | | n.a. |
| F 25 | 6 13 | 24 33 | 1 55 | 1 10 | 2 10 | 12 13 | 0 16 | 18 43 | 1 51 | 13 26 | 0 51 | 19 15 | 1 9 | 6 46 | 0 44 | 10 4 | 1 45 | 27 19 | 16 54 | 23 51 | 23 50 | 24 51 | | | n.a. |
| S 26 | 6 37 | 24 41 | 0 56 | 1 31 | 2 20 | 12 42 | 0 18 | 18 35 | 1 48 | 13 23 | 0 51 | 19 14 | 1 9 | 6 45 | 0 44 | 10 4 | 1 45 | 27 19 | 16 55 | 23 51 | 23 50 | 24 51 | | | n.a. |
| S 27 | 7 1 | 23 42 | 0n 7 | 1 46 | 2 27 | 13 11 | 0 21 | 18 26 | 1 45 | 13 21 | 0 51 | 19 13 | 1 9 | 6 43 | 0 44 | 10 5 | 1 45 | 27 19 | 16 55 | 23 51 | 23 50 | 24 51 | | | n.a. |
| M28 | 7 24 | 21 39 | 1 9 | 1 55 | 2 33 | 13 39 | 0 23 | 18 18 | 1 42 | 13 19 | 0 51 | 19 13 | 1 9 | 6 42 | 0 44 | 10 6 | 1 45 | 27 18 | 16 56 | 23 51 | 23 50 | 24 50 | | | n.a. |
| T 29 | 7 48 | 18 38 | 2 9 | 1 57 | 2 37 | 14 7 | 0 26 | 18 9 | 1 40 | 13 16 | 0 51 | 19 12 | 1 9 | 6 41 | 0 44 | 10 7 | 1 45 | 27 18 | 16 56 | 23 51 | 23 50 | 24 50 | | | n.a. |
| W30 | 8 12 | 14 45 | 3 5 | 1 55 | 2 40 | 14 35 | 0 28 | 18 0 | 1 37 | 13 14 | 0 51 | 19 11 | 1 9 | 6 39 | 0 44 | 10 8 | 1 45 | 27 18 | 16 57 | 23 52 | 23 50 | 24 49 | | | n.a. |
| T 31 | 8s35 | 10s 8 | 3n53 | 1n47 | 2n41 | 15s 2 | 0s30 | 17s52 | 1s34 | 13n12 | 0s51 | 19n11 | 1s 9 | 6n38 | 0n44 | 10s 8 | 1n45 | 27n18 | 16n57 | 23s52 | 23s50 | 24s49 | | | n.a. |

Julian Day Number = 1000692.5, Delta T = 12h51m33s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'45, Lahiri = -31°09'44 Julian Calendar 1 Oct. 1974 BCE == Greg. Calendar 14 Sept. 1974 BCE

The year -1973 astronomical counting style corresponds to year 1974 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## NOVEMBER 1974 BCE (-1973) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 32 17 | 22♎37'03 | 7♓ 0 | 2♎ 6 | 9♏32 | 16♒20 | 6°R28 | 28°R46 | 15♍12 | 0♏15 | 0♍21 | 3°R50 | 4♉35 | 21♐29 | n.a. | F 1 |
| S 2 | 1 36 14 | 23°38'19 | 20°25 | 2°42 | 10°47 | 16°41 | 6♉20 | 28♉43 | 15°15 | 0°17 | 0°23 | 3♉41 | 4°32 | 21°35 | n.a. | S 2 |
| S 3 | 1 40 10 | 24°39'35 | 4♈16 | 3°25 | 12° 3 | 17° 3 | 6°12 | 28°39 | 15°18 | 0°20 | 0°24 | 3°30 | 4°28 | 21°42 | n.a. | S 3 |
| M 4 | 1 44 7 | 25°40'51 | 18°30 | 4°13 | 13°18 | 17°25 | 6° 4 | 28°35 | 15°21 | 0°22 | 0°26 | 3°18 | 4°25 | 21°49 | n.a. | M 4 |
| T 5 | 1 48 3 | 26°42'08 | 3♉ 2 | 5° 6 | 14°33 | 17°47 | 5°56 | 28°31 | 15°24 | 0°24 | 0°28 | 3° 8 | 4°22 | 21°55 | n.a. | T 5 |
| W 6 | 1 52 0 | 27°43'26 | 17°44 | 6° 4 | 15°48 | 18°10 | 5°48 | 28°28 | 15°27 | 0°26 | 0°29 | 2°59 | 4°19 | 22° 2 | n.a. | W 6 |
| T 7 | 1 55 56 | 28°44'44 | 2♊29 | 7° 5 | 17° 3 | 18°33 | 5°40 | 28°24 | 15°30 | 0°29 | 0°31 | 2°53 | 4°16 | 22° 9 | n.a. | T 7 |
| F 8 | 1 59 53 | 29°46'02 | 17° 9 | 8°10 | 18°18 | 18°57 | 5°32 | 28°20 | 15°33 | 0°31 | 0°32 | 2°49 | 4°13 | 22°15 | n.a. | F 8 |
| S 9 | 2 3 50 | 0♏47'21 | 1♋39 | 9°18 | 19°33 | 19°20 | 5°24 | 28°16 | 15°36 | 0°33 | 0°34 | 2°D48 | 4° 9 | 22°22 | n.a. | S 9 |
| S 10 | 2 7 46 | 1°48'40 | 15°55 | 10°29 | 20°48 | 19°45 | 5°16 | 28°12 | 15°39 | 0°35 | 0°35 | 2°49 | 4° 6 | 22°28 | n.a. | S 10 |
| M11 | 2 11 43 | 2°50'00 | 29°56 | 11°42 | 22° 3 | 20° 9 | 5° 8 | 28° 7 | 15°42 | 0°38 | 0°37 | 2°R49 | 4° 3 | 22°35 | n.a. | M11 |
| T 12 | 2 15 39 | 3°51'20 | 13♌42 | 12°57 | 23°18 | 20°34 | 5° 0 | 28° 3 | 15°45 | 0°40 | 0°38 | 2°49 | 4° 0 | 22°42 | n.a. | T 12 |
| W13 | 2 19 36 | 4°52'41 | 27°13 | 14°14 | 24°33 | 20°59 | 4°52 | 27°59 | 15°48 | 0°42 | 0°39 | 2°47 | 3°57 | 22°48 | n.a. | W13 |
| T 14 | 2 23 32 | 5°54'01 | 10♍31 | 15°32 | 25°48 | 21°24 | 4°44 | 27°54 | 15°51 | 0°44 | 0°41 | 2°42 | 3°53 | 22°55 | n.a. | T 14 |
| F 15 | 2 27 29 | 6°55'22 | 23°35 | 16°52 | 27° 3 | 21°50 | 4°35 | 27°50 | 15°53 | 0°47 | 0°42 | 2°34 | 3°50 | 23° 2 | n.a. | F 15 |
| S 16 | 2 31 26 | 7°56'43 | 6♎28 | 18°13 | 28°18 | 22°16 | 4°27 | 27°46 | 15°56 | 0°49 | 0°43 | 2°25 | 3°47 | 23° 8 | n.a. | S 16 |
| S 17 | 2 35 22 | 8°58'05 | 19° 9 | 19°35 | 29°32 | 22°42 | 4°19 | 27°41 | 15°59 | 0°51 | 0°44 | 2°15 | 3°44 | 23°15 | n.a. | S 17 |
| M18 | 2 39 19 | 9°59'26 | 1♏39 | 20°58 | 0♐47 | 23° 8 | 4°11 | 27°36 | 16° 1 | 0°54 | 0°45 | 2° 4 | 3°41 | 23°22 | n.a. | M18 |
| T 19 | 2 43 15 | 11° 0'47 | 13°57 | 22°22 | 2° 2 | 23°35 | 4° 3 | 27°32 | 16° 4 | 0°56 | 0°47 | 1°55 | 3°38 | 23°28 | n.a. | T 19 |
| W20 | 2 47 12 | 12° 2'07 | 26° 5 | 23°47 | 3°17 | 24° 2 | 3°55 | 27°27 | 16° 6 | 0°58 | 0°48 | 1°47 | 3°34 | 23°35 | n.a. | W20 |
| T 21 | 2 51 8 | 13° 3'28 | 8♐ 3 | 25°13 | 4°32 | 24°30 | 3°47 | 27°22 | 16° 9 | 1° 0 | 0°49 | 1°41 | 3°31 | 23°42 | n.a. | T 21 |
| F 22 | 2 55 5 | 14° 4'48 | 19°54 | 26°40 | 5°47 | 24°57 | 3°39 | 27°18 | 16°11 | 1° 2 | 0°50 | 1°38 | 3°28 | 23°48 | n.a. | F 22 |
| S 23 | 2 59 2 | 15° 6'08 | 1♑41 | 28° 7 | 7° 1 | 25°25 | 3°31 | 27°13 | 16°14 | 1° 5 | 0°51 | 1°D37 | 3°25 | 23°55 | n.a. | S 23 |
| S 24 | 3 2 58 | 16° 7'27 | 13°27 | 29°34 | 8°16 | 25°53 | 3°23 | 27° 8 | 16°16 | 1° 7 | 0°52 | 1°38 | 3°22 | 24° 2 | n.a. | S 24 |
| M25 | 3 6 55 | 17° 8'45 | 25°16 | 1♏ 3 | 9°31 | 26°21 | 3°16 | 27° 3 | 16°18 | 1° 9 | 0°53 | 1°40 | 3°18 | 24° 8 | n.a. | M25 |
| T 26 | 3 10 51 | 18°10'03 | 7♒15 | 2°32 | 10°46 | 26°50 | 3° 8 | 26°58 | 16°21 | 1°11 | 0°54 | 1°41 | 3°15 | 24°15 | n.a. | T 26 |
| W27 | 3 14 48 | 19°11'19 | 19°26 | 4° 1 | 12° 0 | 27°18 | 3° 0 | 26°54 | 16°23 | 1°14 | 0°55 | 1°R42 | 3°12 | 24°21 | n.a. | W27 |
| T 28 | 3 18 44 | 20°12'35 | 1♓57 | 5°31 | 13°15 | 27°47 | 2°53 | 26°49 | 16°25 | 1°16 | 0°55 | 1°41 | 3° 9 | 24°28 | n.a. | T 28 |
| F 29 | 3 22 41 | 21°13'50 | 14°52 | 7° 1 | 14°30 | 28°16 | 2°46 | 26°44 | 16°27 | 1°18 | 0°56 | 1°38 | 3° 6 | 24°35 | n.a. | F 29 |
| S 30 | 3 26 37 | 22♏15'04 | 28♓13 | 8♏32 | 15♐44 | 28♒45 | 2♉38 | 26♉39 | 16♍29 | 1♏20 | 0♍57 | 1♉34 | 3♉ 3 | 24♐41 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 8s58 | 4s57 | 4n30 | 1n36 | 2n41 | 15s29 | 0s33 | 17s43 | 1s31 | 13n 9 | 0s51 | 19n10 | 1s 9 | 6n37 | 0n44 | 10s 9 | 1n45 | 27n17 | 16n57 | 23s52 | 23s50 | 24s48 | | n.a. |
| S 2 | 9 21 | 0n38 | 4 55 | 1 20 | 2 40 | 15 55 | 0 35 | 17 34 | 1 29 | 13 7 | 0 50 | 19 9 | 1 9 | 6 36 | 0 44 | 10 10 | 1 45 | 27 17 | 16 58 | 23 52 | 23 51 | 24 48 | | n.a. |
| S 3 | 9 44 | 6 20 | 5 2 | 1 1 | 2 37 | 16 21 | 0 38 | 17 24 | 1 26 | 13 4 | 0 50 | 19 8 | 1 9 | 6 34 | 0 44 | 10 11 | 1 45 | 27 17 | 16 58 | 23 52 | 23 51 | 24 48 | | n.a. |
| M 4 | 10 7 | 11 53 | 4 52 | 0 39 | 2 34 | 16 47 | 0 40 | 17 15 | 1 24 | 13 2 | 0 50 | 19 7 | 1 9 | 6 33 | 0 44 | 10 12 | 1 45 | 27 17 | 16 59 | 23 53 | 23 51 | 24 47 | | n.a. |
| T 5 | 10 30 | 16 52 | 4 23 | 0 14 | 2 31 | 17 12 | 0 42 | 17 6 | 1 21 | 12 59 | 0 50 | 19 7 | 1 9 | 6 32 | 0 44 | 10 13 | 1 45 | 27 17 | 16 59 | 23 53 | 23 51 | 24 47 | | n.a. |
| W 6 | 10 52 | 20 54 | 3 36 | 0s13 | 2 26 | 17 36 | 0 45 | 16 56 | 1 19 | 12 56 | 0 50 | 19 6 | 1 9 | 6 31 | 0 44 | 10 13 | 1 45 | 27 16 | 17 0 | 23 53 | 23 51 | 24 46 | | n.a. |
| T 7 | 11 15 | 23 36 | 2 34 | 0 43 | 2 22 | 18 1 | 0 47 | 16 47 | 1 16 | 12 54 | 0 50 | 19 5 | 1 9 | 6 30 | 0 44 | 10 14 | 1 45 | 27 16 | 17 0 | 23 53 | 23 51 | 24 46 | | n.a. |
| F 8 | 11 37 | 24 39 | 1 23 | 1 14 | 2 16 | 18 24 | 0 49 | 16 37 | 1 14 | 12 51 | 0 50 | 19 4 | 1 9 | 6 29 | 0 44 | 10 15 | 1 45 | 27 16 | 17 1 | 23 53 | 23 51 | 24 45 | | n.a. |
| S 9 | 11 59 | 24 1 | 0 6 | 1 46 | 2 10 | 18 48 | 0 51 | 16 27 | 1 12 | 12 49 | 0 50 | 19 3 | 1 9 | 6 27 | 0 44 | 10 16 | 1 45 | 27 16 | 17 1 | 23 53 | 23 51 | 24 45 | | n.a. |
| S 10 | 12 20 | 21 48 | 1s10 | 2 20 | 2 4 | 19 10 | 0 54 | 16 17 | 1 9 | 12 46 | 0 49 | 19 2 | 1 9 | 6 26 | 0 44 | 10 17 | 1 45 | 27 16 | 17 2 | 23 53 | 23 51 | 24 44 | | n.a. |
| M11 | 12 42 | 18 18 | 2 20 | 2 55 | 1 58 | 19 33 | 0 56 | 16 7 | 1 7 | 12 43 | 0 49 | 19 1 | 1 9 | 6 25 | 0 44 | 10 17 | 1 45 | 27 16 | 17 2 | 23 53 | 23 51 | 24 44 | | n.a. |
| T 12 | 13 3 | 13 51 | 3 21 | 3 30 | 1 51 | 19 54 | 0 58 | 15 57 | 1 5 | 12 41 | 0 49 | 19 0 | 1 9 | 6 24 | 0 44 | 10 18 | 1 45 | 27 16 | 17 3 | 23 53 | 23 52 | 24 43 | | n.a. |
| W13 | 13 24 | 8 47 | 4 9 | 4 7 | 1 45 | 20 15 | 1 0 | 15 47 | 1 3 | 12 38 | 0 49 | 19 0 | 1 9 | 6 23 | 0 44 | 10 19 | 1 45 | 27 16 | 17 3 | 23 54 | 23 52 | 24 43 | | n.a. |
| T 14 | 13 45 | 3 25 | 4 43 | 4 44 | 1 38 | 20 36 | 1 2 | 15 36 | 1 1 | 12 35 | 0 49 | 18 59 | 1 9 | 6 22 | 0 44 | 10 20 | 1 45 | 27 16 | 17 4 | 23 54 | 23 52 | 24 43 | | n.a. |
| F 15 | 14 6 | 2s 0 | 5 2 | 5 22 | 1 31 | 20 56 | 1 4 | 15 26 | 0 58 | 12 33 | 0 49 | 18 58 | 1 9 | 6 21 | 0 44 | 10 21 | 1 45 | 27 16 | 17 4 | 23 54 | 23 52 | 24 42 | | n.a. |
| S 16 | 14 26 | 7 16 | 5 5 | 6 0 | 1 23 | 21 15 | 1 6 | 15 15 | 0 56 | 12 30 | 0 49 | 18 57 | 1 9 | 6 20 | 0 44 | 10 21 | 1 45 | 27 16 | 17 5 | 23 54 | 23 52 | 24 41 | | n.a. |
| S 17 | 14 46 | 12 8 | 4 52 | 6 38 | 1 16 | 21 34 | 1 8 | 15 5 | 0 54 | 12 27 | 0 48 | 18 56 | 1 9 | 6 19 | 0 44 | 10 22 | 1 45 | 27 16 | 17 5 | 23 54 | 23 52 | 24 41 | | n.a. |
| M18 | 15 6 | 16 26 | 4 26 | 7 17 | 1 9 | 21 52 | 1 10 | 14 54 | 0 52 | 12 25 | 0 48 | 18 55 | 1 8 | 6 18 | 0 44 | 10 23 | 1 45 | 27 16 | 17 6 | 23 54 | 23 52 | 24 40 | | n.a. |
| T 19 | 15 26 | 19 58 | 3 48 | 7 56 | 1 1 | 22 9 | 1 12 | 14 43 | 0 50 | 12 22 | 0 48 | 18 54 | 1 8 | 6 17 | 0 44 | 10 24 | 1 45 | 27 16 | 17 6 | 23 54 | 23 52 | 24 40 | | n.a. |
| W20 | 15 45 | 22 34 | 3 0 | 8 35 | 0 54 | 22 26 | 1 14 | 14 32 | 0 48 | 12 20 | 0 48 | 18 53 | 1 8 | 6 16 | 0 44 | 10 25 | 1 45 | 27 16 | 17 7 | 23 55 | 23 52 | 24 39 | | n.a. |
| T 21 | 16 4 | 24 8 | 2 4 | 9 14 | 0 47 | 22 42 | 1 15 | 14 21 | 0 46 | 12 17 | 0 48 | 18 52 | 1 8 | 6 15 | 0 44 | 10 25 | 1 45 | 27 16 | 17 8 | 23 55 | 23 52 | 24 39 | | n.a. |
| F 22 | 16 23 | 24 35 | 1 3 | 9 52 | 0 39 | 22 58 | 1 17 | 14 10 | 0 44 | 12 15 | 0 47 | 18 51 | 1 8 | 6 14 | 0 44 | 10 26 | 1 45 | 27 16 | 17 8 | 23 55 | 23 53 | 24 38 | | n.a. |
| S 23 | 16 42 | 23 54 | 0n 0 | 10 31 | 0 32 | 23 13 | 1 19 | 13 58 | 0 43 | 12 12 | 0 47 | 18 50 | 1 8 | 6 13 | 0 44 | 10 27 | 1 45 | 27 16 | 17 9 | 23 55 | 23 53 | 24 38 | | n.a. |
| S 24 | 17 0 | 22 10 | 1 4 | 11 10 | 0 25 | 23 27 | 1 20 | 13 47 | 0 41 | 12 9 | 0 47 | 18 49 | 1 8 | 6 12 | 0 44 | 10 28 | 1 45 | 27 16 | 17 9 | 23 55 | 23 53 | 24 37 | | n.a. |
| M25 | 17 18 | 19 28 | 2 5 | 11 48 | 0 18 | 23 40 | 1 22 | 13 36 | 0 39 | 12 7 | 0 47 | 18 48 | 1 8 | 6 11 | 0 44 | 10 29 | 1 45 | 27 17 | 17 10 | 23 55 | 23 53 | 24 37 | | n.a. |
| T 26 | 17 35 | 15 55 | 3 1 | 12 26 | 0 10 | 23 53 | 1 23 | 13 24 | 0 37 | 12 4 | 0 47 | 18 46 | 1 8 | 6 10 | 0 44 | 10 29 | 1 45 | 27 17 | 17 10 | 23 55 | 23 53 | 24 36 | | n.a. |
| W27 | 17 52 | 11 38 | 3 51 | 13 4 | 0 3 | 24 5 | 1 25 | 13 12 | 0 35 | 12 2 | 0 47 | 18 45 | 1 8 | 6 10 | 0 44 | 10 30 | 1 45 | 27 17 | 17 11 | 23 55 | 23 53 | 24 35 | | n.a. |
| T 28 | 18 9 | 6 47 | 4 30 | 13 41 | 0s 4 | 24 16 | 1 26 | 13 1 | 0 34 | 12 0 | 0 46 | 18 44 | 1 8 | 6 9 | 0 44 | 10 31 | 1 45 | 27 17 | 17 11 | 23 55 | 23 53 | 24 35 | | n.a. |
| F 29 | 18 26 | 1 31 | 4 58 | 14 18 | 0 11 | 24 27 | 1 28 | 12 49 | 0 32 | 11 57 | 0 46 | 18 43 | 1 8 | 6 8 | 0 44 | 10 32 | 1 45 | 27 17 | 17 12 | 23 55 | 23 53 | 24 34 | | n.a. |
| S 30 | 18s42 | 4n 1 | 5n10 | 14s54 | 0s17 | 24s37 | 1s29 | 12s37 | 0s30 | 11n55 | 0s46 | 18n42 | 1s 8 | 6n 7 | 0n45 | 10s32 | 1n45 | 27n18 | 17n13 | 23s55 | 23s53 | 24s34 | | n.a. |

Julian Day Number = 1000723.5, Delta T = 12h51m31s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'40, Lahiri = -31°09'40 Julian Calendar 1 Nov. 1974 BCE == Greg. Calendar 15 Oct. 1974 BCE

The year -1973 astronomical counting style corresponds to year 1974 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1974 BCE
# geocentric

## DECEMBER 1974 BCE (-1973) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 30 34 | 23♏16'17 | 12♈ 4 | 10♏ 4 | 16♐59 | 29♒15 | 2°R31 | 26°R34 | 16♍31 | 1♏22 | 0♍58 | 1°R28 | 2♑59 | 24♐48 | n.a. | S 1 |
| M 2 | 3 34 31 | 24°17'30 | 26°21 | 11°36 | 18°14 | 29°45 | 2♉24 | 26♉29 | 16°33 | 1°24 | 0°58 | 1♑22 | 2°56 | 24°55 | n.a. | M 2 |
| T 3 | 3 38 27 | 25°18'41 | 11♉ 3 | 13° 8 | 19°28 | 0♓14 | 2°17 | 26°24 | 16°35 | 1°26 | 0°59 | 1°16 | 2°53 | 25° 1 | n.a. | T 3 |
| W 4 | 3 42 24 | 26°19'51 | 26° 1 | 14°41 | 20°43 | 0°44 | 2°10 | 26°19 | 16°37 | 1°29 | 1° 0 | 1°12 | 2°50 | 25° 8 | n.a. | W 4 |
| T 5 | 3 46 20 | 27°21'01 | 11♊ 7 | 16°15 | 21°57 | 1°15 | 2° 3 | 26°14 | 16°39 | 1°31 | 1° 0 | 1° 9 | 2°47 | 25°15 | n.a. | T 5 |
| F 6 | 3 50 17 | 28°22'10 | 26°11 | 17°49 | 23°12 | 1°45 | 1°57 | 26° 9 | 16°41 | 1°33 | 1° 1 | 1°D 7 | 2°44 | 25°21 | n.a. | F 6 |
| S 7 | 3 54 13 | 29°23'19 | 11♋ 6 | 19°23 | 24°26 | 2°15 | 1°50 | 26° 4 | 16°42 | 1°35 | 1° 1 | 1° 7 | 2°40 | 25°28 | n.a. | S 7 |
| S 8 | 3 58 10 | 0♐24'26 | 25°43 | 20°58 | 25°40 | 2°46 | 1°44 | 25°59 | 16°44 | 1°37 | 1° 2 | 1° 9 | 2°37 | 25°35 | n.a. | S 8 |
| M 9 | 4 2 7 | 1°25'33 | 10♌ 0 | 22°34 | 26°55 | 3°17 | 1°38 | 25°54 | 16°46 | 1°39 | 1° 2 | 1°10 | 2°34 | 25°41 | n.a. | M 9 |
| T 10 | 4 6 3 | 2°26'39 | 23°54 | 24°10 | 28° 9 | 3°48 | 1°32 | 25°49 | 16°47 | 1°41 | 1° 3 | 1°11 | 2°31 | 25°48 | n.a. | T 10 |
| W11 | 4 10 0 | 3°27'44 | 7♍26 | 25°47 | 29°24 | 4°19 | 1°26 | 25°44 | 16°49 | 1°43 | 1° 3 | 1°R12 | 2°28 | 25°55 | n.a. | W11 |
| T 12 | 4 13 56 | 4°28'48 | 20°38 | 27°25 | 0♑38 | 4°50 | 1°20 | 25°40 | 16°50 | 1°45 | 1° 3 | 1°11 | 2°24 | 26° 1 | n.a. | T 12 |
| F 13 | 4 17 53 | 5°29'52 | 3♎32 | 29° 3 | 1°52 | 5°21 | 1°14 | 25°35 | 16°52 | 1°47 | 1° 4 | 1° 8 | 2°21 | 26° 8 | n.a. | F 13 |
| S 14 | 4 21 49 | 6°30'54 | 16° 9 | 0♐42 | 3° 6 | 5°53 | 1° 9 | 25°30 | 16°53 | 1°49 | 1° 4 | 1° 5 | 2°18 | 26°14 | n.a. | S 14 |
| S 15 | 4 25 46 | 7°31'56 | 28°34 | 2°21 | 4°21 | 6°25 | 1° 4 | 25°25 | 16°55 | 1°51 | 1° 4 | 1° 1 | 2°15 | 26°21 | n.a. | S 15 |
| M16 | 4 29 42 | 8°32'57 | 10♏47 | 4° 1 | 5°35 | 6°56 | 0°59 | 25°20 | 16°56 | 1°53 | 1° 4 | 0°57 | 2°12 | 26°28 | n.a. | M16 |
| T 17 | 4 33 39 | 9°33'56 | 22°51 | 5°42 | 6°49 | 7°28 | 0°54 | 25°16 | 16°57 | 1°55 | 1° 5 | 0°53 | 2° 9 | 26°34 | n.a. | T 17 |
| W18 | 4 37 36 | 10°34'54 | 4♐48 | 7°23 | 8° 3 | 8° 0 | 0°49 | 25°11 | 16°58 | 1°57 | 1° 5 | 0°50 | 2° 5 | 26°41 | n.a. | W18 |
| T 19 | 4 41 32 | 11°35'51 | 16°39 | 9° 6 | 9°17 | 8°33 | 0°44 | 25° 6 | 16°59 | 1°58 | 1° 5 | 0°49 | 2° 2 | 26°48 | n.a. | T 19 |
| F 20 | 4 45 29 | 12°36'47 | 28°27 | 10°48 | 10°31 | 9° 5 | 0°40 | 25° 2 | 17° 0 | 2° 0 | 1° 5 | 0°D48 | 1°59 | 26°54 | n.a. | F 20 |
| S 21 | 4 49 25 | 13°37'41 | 10♑14 | 12°32 | 11°45 | 9°37 | 0°36 | 24°57 | 17° 1 | 2° 2 | 1°R 5 | 0°48 | 1°56 | 27° 1 | n.a. | S 21 |
| S 22 | 4 53 22 | 14°38'34 | 22° 2 | 14°16 | 12°59 | 10°10 | 0°31 | 24°53 | 17° 2 | 2° 4 | 1° 5 | 0°49 | 1°53 | 27° 8 | n.a. | S 22 |
| M23 | 4 57 18 | 15°39'25 | 3♒54 | 16° 2 | 14°13 | 10°42 | 0°28 | 24°48 | 17° 3 | 2° 6 | 1° 5 | 0°51 | 1°50 | 27°14 | n.a. | M23 |
| T 24 | 5 1 15 | 16°40'14 | 15°54 | 17°47 | 15°27 | 11°15 | 0°24 | 24°44 | 17° 4 | 2° 7 | 1° 5 | 0°52 | 1°46 | 27°21 | n.a. | T 24 |
| W25 | 5 5 12 | 17°41'01 | 28° 7 | 19°34 | 16°41 | 11°48 | 0°20 | 24°39 | 17° 5 | 2° 9 | 1° 5 | 0°53 | 1°43 | 27°28 | n.a. | W25 |
| T 26 | 5 9 8 | 18°41'47 | 10♓35 | 21°21 | 17°55 | 12°21 | 0°17 | 24°35 | 17° 6 | 2°11 | 1° 4 | 0°54 | 1°40 | 27°34 | n.a. | T 26 |
| F 27 | 5 13 5 | 19°42'31 | 23°24 | 23° 9 | 19° 8 | 12°54 | 0°14 | 24°31 | 17° 6 | 2°13 | 1° 4 | 0°R54 | 1°37 | 27°41 | n.a. | F 27 |
| S 28 | 5 17 1 | 20°43'12 | 6♈37 | 24°57 | 20°22 | 13°27 | 0°11 | 24°27 | 17° 7 | 2°14 | 1° 4 | 0°54 | 1°34 | 27°48 | n.a. | S 28 |
| S 29 | 5 20 58 | 21°43'52 | 20°16 | 26°46 | 21°36 | 14° 0 | 0° 8 | 24°22 | 17° 8 | 2°16 | 1° 4 | 0°53 | 1°30 | 27°54 | n.a. | S 29 |
| M30 | 5 24 54 | 22°44'30 | 4♉24 | 28°36 | 22°49 | 14°34 | 0° 6 | 24°18 | 17° 8 | 2°18 | 1° 3 | 0°52 | 1°27 | 28° 1 | n.a. | M30 |
| T 31 | 5 28 51 | 23♐45'06 | 18♉57 | 0♑26 | 24♑ 3 | 15♓ 7 | 0♉ 3 | 24♉14 | 17♍ 9 | 2♏19 | 1♍ 3 | 0♑51 | 1♑24 | 28♐ 7 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 18s58 | 9n32 | 5n 6 | 15s30 | 0s24 | 24s46 | 1s30 | 12s25 | 0s29 | 11n53 | 0s46 | 18n41 | 1s 7 | 6n 6 | 0n45 | 10s33 | 1n45 | 27n18 | 17n13 | 23s55 | 23s53 | 24s33 | | | n.a. |
| M 2 | 19 13 | 14 44 | 4 42 | 16 6 | 0 31 | 24 54 | 1 31 | 12 13 | 0 27 | 11 50 | 0 46 | 18 40 | 1 7 | 6 6 | 0 45 | 10 34 | 1 45 | 27 18 | 17 14 | 23 55 | 23 53 | 24 32 | | | n.a. |
| T 3 | 19 29 | 19 14 | 4 0 | 16 41 | 0 37 | 25 2 | 1 32 | 12 1 | 0 26 | 11 48 | 0 45 | 18 39 | 1 7 | 6 5 | 0 45 | 10 35 | 1 45 | 27 18 | 17 14 | 23 55 | 23 53 | 24 32 | | | n.a. |
| W 4 | 19 43 | 22 34 | 3 0 | 17 15 | 0 43 | 25 9 | 1 33 | 11 48 | 0 24 | 11 46 | 0 45 | 18 38 | 1 7 | 6 4 | 0 45 | 10 35 | 1 45 | 27 19 | 17 15 | 23 55 | 23 53 | 24 31 | | | n.a. |
| T 5 | 19 58 | 24 20 | 1 47 | 17 49 | 0 49 | 25 15 | 1 34 | 11 36 | 0 23 | 11 44 | 0 45 | 18 37 | 1 7 | 6 3 | 0 45 | 10 36 | 1 45 | 27 19 | 17 16 | 23 55 | 23 53 | 24 31 | | | n.a. |
| F 6 | 20 12 | 24 19 | 0 27 | 18 22 | 0 55 | 25 20 | 1 35 | 11 24 | 0 21 | 11 42 | 0 45 | 18 36 | 1 7 | 6 3 | 0 45 | 10 37 | 1 45 | 27 19 | 17 16 | 23 55 | 23 54 | 24 30 | | | n.a. |
| S 7 | 20 25 | 22 33 | 0s54 | 18 54 | 1 1 | 25 24 | 1 36 | 11 11 | 0 20 | 11 40 | 0 44 | 18 35 | 1 7 | 6 2 | 0 45 | 10 37 | 1 45 | 27 20 | 17 17 | 23 55 | 23 54 | 24 29 | | | n.a. |
| S 8 | 20 39 | 19 17 | 2 11 | 19 26 | 1 6 | 25 28 | 1 37 | 10 58 | 0 18 | 11 37 | 0 44 | 18 34 | 1 7 | 6 1 | 0 45 | 10 38 | 1 45 | 27 20 | 17 17 | 23 55 | 23 54 | 24 29 | | | n.a. |
| M 9 | 20 52 | 14 56 | 3 17 | 19 56 | 1 12 | 25 31 | 1 38 | 10 46 | 0 17 | 11 36 | 0 44 | 18 33 | 1 7 | 6 1 | 0 45 | 10 39 | 1 45 | 27 20 | 17 18 | 23 55 | 23 54 | 24 28 | | | n.a. |
| T 10 | 21 4 | 9 53 | 4 10 | 20 26 | 1 17 | 25 33 | 1 38 | 10 33 | 0 15 | 11 34 | 0 44 | 18 32 | 1 6 | 6 0 | 0 45 | 10 39 | 1 45 | 27 21 | 17 18 | 23 55 | 23 54 | 24 27 | | | n.a. |
| W11 | 21 16 | 4 30 | 4 48 | 20 55 | 1 22 | 25 34 | 1 39 | 10 20 | 0 14 | 11 32 | 0 43 | 18 30 | 1 6 | 6 0 | 0 45 | 10 40 | 1 45 | 27 21 | 17 19 | 23 55 | 23 54 | 24 27 | | | n.a. |
| T 12 | 21 28 | 0s56 | 5 9 | 21 23 | 1 26 | 25 35 | 1 39 | 10 7 | 0 12 | 11 30 | 0 43 | 18 29 | 1 6 | 5 59 | 0 45 | 10 41 | 1 45 | 27 22 | 17 20 | 23 55 | 23 54 | 24 26 | | | n.a. |
| F 13 | 21 39 | 6 13 | 5 14 | 21 50 | 1 31 | 25 34 | 1 40 | 9 54 | 0 11 | 11 28 | 0 43 | 18 28 | 1 6 | 5 59 | 0 45 | 10 42 | 1 45 | 27 22 | 17 20 | 23 55 | 23 54 | 24 25 | | | n.a. |
| S 14 | 21 50 | 11 8 | 5 4 | 22 15 | 1 35 | 25 33 | 1 40 | 9 41 | 0 10 | 11 26 | 0 43 | 18 27 | 1 6 | 5 58 | 0 45 | 10 42 | 1 45 | 27 22 | 17 21 | 23 55 | 23 54 | 24 25 | | | n.a. |
| S 15 | 22 0 | 15 30 | 4 39 | 22 40 | 1 39 | 25 31 | 1 41 | 9 28 | 0 8 | 11 25 | 0 43 | 18 26 | 1 6 | 5 58 | 0 45 | 10 43 | 1 45 | 27 23 | 17 21 | 23 55 | 23 54 | 24 24 | | | n.a. |
| M16 | 22 10 | 19 11 | 4 2 | 23 3 | 1 42 | 25 29 | 1 41 | 9 15 | 0 7 | 11 23 | 0 42 | 18 25 | 1 6 | 5 57 | 0 45 | 10 43 | 1 45 | 27 23 | 17 22 | 23 55 | 23 54 | 24 23 | | | n.a. |
| T 17 | 22 20 | 21 59 | 3 14 | 23 25 | 1 46 | 25 25 | 1 41 | 9 2 | 0 6 | 11 22 | 0 42 | 18 24 | 1 6 | 5 57 | 0 45 | 10 44 | 1 45 | 27 24 | 17 23 | 23 55 | 23 54 | 24 23 | | | n.a. |
| W18 | 22 29 | 23 48 | 2 19 | 23 46 | 1 49 | 25 21 | 1 41 | 8 48 | 0 5 | 11 20 | 0 42 | 18 23 | 1 5 | 5 56 | 0 45 | 10 45 | 1 45 | 27 24 | 17 23 | 23 55 | 23 54 | 24 22 | | | n.a. |
| T 19 | 22 38 | 24 31 | 1 17 | 24 5 | 1 51 | 25 16 | 1 41 | 8 35 | 0 3 | 11 19 | 0 42 | 18 22 | 1 5 | 5 56 | 0 45 | 10 45 | 1 45 | 27 25 | 17 24 | 23 55 | 23 54 | 24 21 | | | n.a. |
| F 20 | 22 46 | 24 8 | 0 13 | 24 23 | 1 54 | 25 10 | 1 41 | 8 21 | 0 2 | 11 17 | 0 41 | 18 21 | 1 5 | 5 55 | 0 45 | 10 46 | 1 45 | 27 25 | 17 24 | 23 55 | 23 54 | 24 20 | | | n.a. |
| S 21 | 22 54 | 22 39 | 0n52 | 24 40 | 1 55 | 25 4 | 1 41 | 8 8 | 0 1 | 11 16 | 0 41 | 18 20 | 1 5 | 5 55 | 0 45 | 10 47 | 1 45 | 27 26 | 17 25 | 23 55 | 23 54 | 24 20 | | | n.a. |
| S 22 | 23 1 | 20 11 | 1 55 | 24 54 | 1 57 | 24 56 | 1 41 | 7 54 | 0n 0 | 11 15 | 0 41 | 18 19 | 1 5 | 5 55 | 0 45 | 10 47 | 1 45 | 27 26 | 17 25 | 23 55 | 23 54 | 24 19 | | | n.a. |
| M23 | 23 8 | 16 52 | 2 53 | 25 8 | 1 58 | 24 48 | 1 40 | 7 41 | 0 1 | 11 14 | 0 41 | 18 18 | 1 5 | 5 54 | 0 45 | 10 48 | 1 45 | 27 27 | 17 26 | 23 55 | 23 55 | 24 18 | | | n.a. |
| T 24 | 23 14 | 12 49 | 3 45 | 25 19 | 1 59 | 24 39 | 1 40 | 7 27 | 0 3 | 11 13 | 0 40 | 18 17 | 1 5 | 5 54 | 0 45 | 10 48 | 1 45 | 27 28 | 17 27 | 23 55 | 23 55 | 24 18 | | | n.a. |
| W25 | 23 20 | 8 12 | 4 27 | 25 29 | 1 59 | 24 30 | 1 39 | 7 13 | 0 4 | 11 12 | 0 40 | 18 16 | 1 4 | 5 54 | 0 45 | 10 49 | 1 45 | 27 28 | 17 27 | 23 55 | 23 55 | 24 17 | | | n.a. |
| T 26 | 23 26 | 3 10 | 4 58 | 25 36 | 1 59 | 24 20 | 1 39 | 6 59 | 0 5 | 11 11 | 0 40 | 18 16 | 1 4 | 5 53 | 0 45 | 10 50 | 1 45 | 27 29 | 17 28 | 23 55 | 23 55 | 24 16 | | | n.a. |
| F 27 | 23 31 | 2n 8 | 5 15 | 25 42 | 1 58 | 24 9 | 1 38 | 6 45 | 0 6 | 11 10 | 0 40 | 18 15 | 1 4 | 5 53 | 0 46 | 10 50 | 1 46 | 27 29 | 17 28 | 23 55 | 23 55 | 24 15 | | | n.a. |
| S 28 | 23 35 | 7 30 | 5 16 | 25 46 | 1 56 | 23 57 | 1 38 | 6 32 | 0 7 | 11 9 | 0 39 | 18 14 | 1 4 | 5 53 | 0 46 | 10 51 | 1 46 | 27 30 | 17 29 | 23 55 | 23 55 | 24 14 | | | n.a. |
| S 29 | 23 39 | 12 41 | 5 0 | 25 47 | 1 55 | 23 44 | 1 37 | 6 18 | 0 8 | 11 8 | 0 39 | 18 13 | 1 4 | 5 53 | 0 46 | 10 51 | 1 46 | 27 31 | 17 30 | 23 55 | 23 55 | 24 14 | | | n.a. |
| M30 | 23 43 | 17 23 | 4 25 | 25 47 | 1 52 | 23 31 | 1 36 | 6 3 | 0 9 | 11 8 | 0 39 | 18 12 | 1 4 | 5 53 | 0 46 | 10 52 | 1 46 | 27 31 | 17 30 | 23 55 | 23 55 | 24 13 | | | n.a. |
| T 31 | 23s46 | 21n12 | 3n33 | 25s44 | 1s49 | 23s17 | 1s35 | 5s49 | 0n10 | 11n 7 | 0s39 | 18n11 | 1s 3 | 5n53 | 0n46 | 10s52 | 1n46 | 27n32 | 17n31 | 23s55 | 23s55 | 24s12 | | | n.a. |

Julian Day Number = 1000753.5, Delta T = 12h51m29s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'36, Lahiri = -31°09'36 Julian Calendar 1 Dec. 1974 BCE == Greg. Calendar 14 Nov. 1974 BCE

The year -1973 astronomical counting style corresponds to year 1974 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## JANUARY 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 32 47 | 24♐45'40 | 3♊52 | 2♑16 | 25♑17 | 15♓41 | 0°R 1 | 24°R10 | 17♍ 9 | 2♏21 | 1°R 3 | 0°R50 | 1♑21 | 28♐14 | n.a. | W 1 |
| T 2 | 5 36 44 | 25°46'13 | 19° 2 | 4° 7 | 26°30 | 16°14 | 29♈59 | 24♉ 7 | 17° 9 | 2°22 | 1♍ 2 | 0♑50 | 1°18 | 28°21 | n.a. | T 2 |
| F 3 | 5 40 41 | 26°46'43 | 4♋17 | 5°57 | 27°43 | 16°48 | 29°58 | 24° 3 | 17°10 | 2°24 | 1° 2 | 0°D50 | 1°15 | 28°27 | n.a. | F 3 |
| S 4 | 5 44 37 | 27°47'12 | 19°27 | 7°48 | 28°57 | 17°22 | 29°56 | 23°59 | 17°10 | 2°25 | 1° 1 | 0°50 | 1°11 | 28°34 | n.a. | S 4 |
| S 5 | 5 48 34 | 28°47'39 | 4♌23 | 9°38 | 0♒10 | 17°55 | 29°55 | 23°56 | 17°10 | 2°27 | 1° 1 | 0°50 | 1° 8 | 28°41 | n.a. | S 5 |
| M 6 | 5 52 30 | 29°48'05 | 18°59 | 11°27 | 1°23 | 18°29 | 29°53 | 23°52 | 17°10 | 2°28 | 1° 0 | 0°50 | 1° 5 | 28°47 | n.a. | M 6 |
| T 7 | 5 56 27 | 0♑48'28 | 3♍ 9 | 13°15 | 2°36 | 19° 3 | 29°52 | 23°49 | 17°10 | 2°30 | 1° 0 | 0°R50 | 1° 2 | 28°54 | n.a. | T 7 |
| W 8 | 6 0 23 | 1°48'51 | 16°52 | 15° 2 | 3°50 | 19°37 | 29°52 | 23°45 | 17°R10 | 2°31 | 0°59 | 0°50 | 0°59 | 29° 1 | n.a. | W 8 |
| T 9 | 6 4 20 | 2°49'11 | 0♎ 9 | 16°48 | 5° 3 | 20°11 | 29°51 | 23°42 | 17°10 | 2°32 | 0°58 | 0°D50 | 0°56 | 29° 7 | n.a. | T 9 |
| F 10 | 6 8 16 | 3°49'30 | 13° 2 | 18°31 | 6°16 | 20°46 | 29°51 | 23°39 | 17°10 | 2°34 | 0°58 | 0°50 | 0°52 | 29°14 | n.a. | F 10 |
| S 11 | 6 12 13 | 4°49'47 | 25°35 | 20°12 | 7°29 | 21°20 | 29°D51 | 23°36 | 17°10 | 2°35 | 0°57 | 0°50 | 0°49 | 29°21 | n.a. | S 11 |
| S 12 | 6 16 10 | 5°50'02 | 7♏51 | 21°50 | 8°41 | 21°54 | 29°51 | 23°33 | 17°10 | 2°36 | 0°56 | 0°51 | 0°46 | 29°27 | n.a. | S 12 |
| M13 | 6 20 6 | 6°50'16 | 19°55 | 23°24 | 9°54 | 22°28 | 29°51 | 23°30 | 17° 9 | 2°37 | 0°56 | 0°51 | 0°43 | 29°34 | n.a. | M13 |
| T 14 | 6 24 3 | 7°50'28 | 1♐50 | 24°54 | 11° 7 | 23° 3 | 29°51 | 23°27 | 17° 9 | 2°39 | 0°55 | 0°52 | 0°40 | 29°41 | n.a. | T 14 |
| W15 | 6 27 59 | 8°50'38 | 13°39 | 26°19 | 12°20 | 23°37 | 29°52 | 23°24 | 17° 9 | 2°40 | 0°54 | 0°53 | 0°36 | 29°47 | n.a. | W15 |
| T 16 | 6 31 56 | 9°50'47 | 25°26 | 27°39 | 13°32 | 24°12 | 29°53 | 23°21 | 17° 8 | 2°41 | 0°53 | 0°R53 | 0°33 | 29°54 | n.a. | T 16 |
| F 17 | 6 35 52 | 10°50'53 | 7♑13 | 28°52 | 14°45 | 24°47 | 29°54 | 23°19 | 17° 8 | 2°42 | 0°52 | 0°53 | 0°30 | 0♑ 0 | n.a. | F 17 |
| S 18 | 6 39 49 | 11°50'57 | 19° 3 | 29°59 | 15°58 | 25°21 | 29°55 | 23°16 | 17° 7 | 2°43 | 0°51 | 0°53 | 0°27 | 0° 7 | n.a. | S 18 |
| S 19 | 6 43 45 | 12°50'59 | 0♒56 | 0♒59 | 17°10 | 25°56 | 29°56 | 23°14 | 17° 7 | 2°44 | 0°50 | 0°51 | 0°24 | 0°14 | n.a. | S 19 |
| M20 | 6 47 42 | 13°50'59 | 12°56 | 1°51 | 18°22 | 26°31 | 29°58 | 23°12 | 17° 6 | 2°45 | 0°49 | 0°50 | 0°21 | 0°20 | n.a. | M20 |
| T 21 | 6 51 39 | 14°50'57 | 25° 5 | 2°35 | 19°35 | 27° 6 | 29°59 | 23°10 | 17° 6 | 2°46 | 0°48 | 0°48 | 0°17 | 0°27 | n.a. | T 21 |
| W22 | 6 55 35 | 15°50'52 | 7♓25 | 3°11 | 20°47 | 27°40 | 0♉ 2 | 23° 8 | 17° 5 | 2°47 | 0°47 | 0°45 | 0°14 | 0°34 | n.a. | W22 |
| T 23 | 6 59 32 | 16°50'45 | 19°58 | 3°38 | 21°59 | 28°15 | 0° 4 | 23° 6 | 17° 4 | 2°48 | 0°46 | 0°43 | 0°11 | 0°40 | n.a. | T 23 |
| F 24 | 7 3 28 | 17°50'35 | 2♈48 | 3°56 | 23°11 | 28°50 | 0° 6 | 23° 4 | 17° 3 | 2°49 | 0°45 | 0°42 | 0° 8 | 0°47 | n.a. | F 24 |
| S 25 | 7 7 25 | 18°50'23 | 15°56 | 4° 5 | 24°23 | 29°25 | 0° 9 | 23° 2 | 17° 2 | 2°50 | 0°44 | 0°D41 | 0° 5 | 0°54 | n.a. | S 25 |
| S 26 | 7 11 21 | 19°50'09 | 29°27 | 4°R 6 | 25°35 | 0♈ 1 | 0°12 | 23° 1 | 17° 1 | 2°51 | 0°43 | 0°42 | 0° 2 | 1° 0 | n.a. | S 26 |
| M27 | 7 15 18 | 20°49'52 | 13♉20 | 3°57 | 26°47 | 0°36 | 0°15 | 22°59 | 17° 0 | 2°52 | 0°42 | 0°43 | 29♐58 | 1° 7 | n.a. | M27 |
| T 28 | 7 19 14 | 21°49'33 | 27°37 | 3°40 | 27°58 | 1°11 | 0°18 | 22°58 | 16°59 | 2°53 | 0°40 | 0°44 | 29°55 | 1°14 | n.a. | T 28 |
| W29 | 7 23 11 | 22°49'11 | 12♊15 | 3°16 | 29°10 | 1°46 | 0°21 | 22°56 | 16°58 | 2°53 | 0°39 | 0°45 | 29°52 | 1°20 | n.a. | W29 |
| T 30 | 7 27 8 | 23°48'48 | 27°10 | 2°44 | 0♓21 | 2°21 | 0°25 | 22°55 | 16°57 | 2°54 | 0°38 | 0°R46 | 29°49 | 1°27 | n.a. | T 30 |
| F 31 | 7 31 4 | 24♑48'21 | 12♋16 | 2♒ 5 | 1♓33 | 2♈57 | 0♉28 | 22♉54 | 16♍56 | 2♏55 | 0♍37 | 0♑46 | 29♐46 | 1♑34 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| W 1 | 23 s49 | 23n43 | 2n24 | 25 s40 | 1 s45 | 23 s 3 | 1 s34 | 5 s35 | 0n11 | 11n 6 | 0 s38 | 18n10 | 1 s 3 | 5n52 | 0n46 | 10 s53 | 1n46 | 27n32 | 17n31 | 23 s55 | 23 s55 | 24 s11 | | | n.a. |
| T 2 | 23 51 | 24 32 | 1 5 | 25 32 | 1 41 | 22 48 | 1 33 | 5 21 | 0 12 | 11 6 | 0 38 | 18 10 | 1 3 | 5 52 | 0 46 | 10 53 | 1 46 | 27 33 | 17 32 | 23 55 | 23 55 | 24 11 | | | n.a. |
| F 3 | 23 53 | 23 32 | 0 s19 | 25 23 | 1 36 | 22 32 | 1 32 | 5 7 | 0 13 | 11 6 | 0 38 | 18 9 | 1 3 | 5 52 | 0 46 | 10 54 | 1 46 | 27 34 | 17 32 | 23 55 | 23 55 | 24 10 | | | n.a. |
| S 4 | 23 54 | 20 48 | 1 42 | 25 11 | 1 30 | 22 15 | 1 30 | 4 53 | 0 14 | 11 5 | 0 38 | 18 8 | 1 3 | 5 52 | 0 46 | 10 54 | 1 46 | 27 34 | 17 33 | 23 55 | 23 55 | 24 9 | | | n.a. |
| S 5 | 23 55 | 16 42 | 2 56 | 24 58 | 1 24 | 21 58 | 1 29 | 4 38 | 0 15 | 11 5 | 0 37 | 18 7 | 1 3 | 5 52 | 0 46 | 10 55 | 1 46 | 27 35 | 17 33 | 23 55 | 23 55 | 24 8 | | | n.a. |
| M 6 | 23 55 | 11 41 | 3 57 | 24 42 | 1 17 | 21 41 | 1 28 | 4 24 | 0 16 | 11 5 | 0 37 | 18 7 | 1 2 | 5 52 | 0 46 | 10 55 | 1 46 | 27 36 | 17 34 | 23 55 | 23 55 | 24 7 | | | n.a. |
| T 7 | 23 55 | 6 11 | 4 42 | 24 23 | 1 9 | 21 22 | 1 26 | 4 10 | 0 17 | 11 5 | 0 37 | 18 6 | 1 2 | 5 52 | 0 46 | 10 56 | 1 46 | 27 37 | 17 34 | 23 55 | 23 55 | 24 7 | | | n.a. |
| W 8 | 23 54 | 0 34 | 5 9 | 24 3 | 1 0 | 21 3 | 1 25 | 3 55 | 0 18 | 11 5 | 0 37 | 18 5 | 1 2 | 5 52 | 0 46 | 10 56 | 1 46 | 27 37 | 17 35 | 23 55 | 23 55 | 24 6 | | | n.a. |
| T 9 | 23 53 | 4 s54 | 5 18 | 23 41 | 0 51 | 20 44 | 1 23 | 3 41 | 0 19 | 11 5 | 0 36 | 18 5 | 1 2 | 5 52 | 0 46 | 10 56 | 1 46 | 27 38 | 17 35 | 23 55 | 23 55 | 24 5 | | | n.a. |
| F 10 | 23 52 | 10 0 | 5 11 | 23 17 | 0 40 | 20 24 | 1 21 | 3 26 | 0 20 | 11 5 | 0 36 | 18 4 | 1 2 | 5 52 | 0 46 | 10 57 | 1 46 | 27 39 | 17 36 | 23 55 | 23 55 | 24 4 | | | n.a. |
| S 11 | 23 50 | 14 33 | 4 49 | 22 51 | 0 29 | 20 3 | 1 20 | 3 12 | 0 20 | 11 5 | 0 36 | 18 3 | 1 1 | 5 52 | 0 46 | 10 57 | 1 46 | 27 39 | 17 36 | 23 55 | 23 55 | 24 3 | | | n.a. |
| S 12 | 23 47 | 18 24 | 4 14 | 22 24 | 0 18 | 19 42 | 1 18 | 2 57 | 0 21 | 11 5 | 0 36 | 18 3 | 1 1 | 5 52 | 0 46 | 10 58 | 1 46 | 27 40 | 17 37 | 23 55 | 23 55 | 24 2 | | | n.a. |
| M13 | 23 44 | 21 25 | 3 29 | 21 56 | 0 5 | 19 20 | 1 16 | 2 42 | 0 22 | 11 6 | 0 35 | 18 2 | 1 1 | 5 53 | 0 46 | 10 58 | 1 46 | 27 41 | 17 37 | 23 55 | 23 55 | 24 1 | | | n.a. |
| T 14 | 23 41 | 23 28 | 2 35 | 21 27 | 0n 8 | 18 58 | 1 14 | 2 28 | 0 23 | 11 6 | 0 35 | 18 2 | 1 1 | 5 53 | 0 46 | 10 58 | 1 46 | 27 42 | 17 38 | 23 55 | 23 55 | 24 1 | | | n.a. |
| W15 | 23 37 | 24 28 | 1 34 | 20 57 | 0 22 | 18 35 | 1 12 | 2 13 | 0 24 | 11 6 | 0 35 | 18 1 | 1 1 | 5 53 | 0 46 | 10 59 | 1 46 | 27 42 | 17 38 | 23 55 | 23 55 | 24 0 | | | n.a. |
| T 16 | 23 33 | 24 21 | 0 30 | 20 28 | 0 36 | 18 12 | 1 10 | 1 58 | 0 25 | 11 7 | 0 35 | 18 1 | 1 1 | 5 53 | 0 46 | 10 59 | 1 46 | 27 43 | 17 39 | 23 55 | 23 55 | 23 59 | | | n.a. |
| F 17 | 23 28 | 23 8 | 0n35 | 19 58 | 0 51 | 17 48 | 1 7 | 1 44 | 0 25 | 11 8 | 0 34 | 18 0 | 1 0 | 5 53 | 0 46 | 11 0 | 1 46 | 27 44 | 17 39 | 23 55 | 23 55 | 23 58 | | | n.a. |
| S 18 | 23 23 | 20 54 | 1 39 | 19 29 | 1 6 | 17 24 | 1 5 | 1 29 | 0 26 | 11 8 | 0 34 | 18 0 | 1 0 | 5 54 | 0 46 | 11 0 | 1 46 | 27 45 | 17 40 | 23 55 | 23 55 | 23 57 | | | n.a. |
| S 19 | 23 17 | 17 46 | 2 39 | 19 1 | 1 21 | 17 0 | 1 3 | 1 14 | 0 27 | 11 9 | 0 34 | 17 59 | 1 0 | 5 54 | 0 46 | 11 0 | 1 46 | 27 46 | 17 40 | 23 55 | 23 55 | 23 56 | | | n.a. |
| M20 | 23 11 | 13 52 | 3 33 | 18 34 | 1 37 | 16 35 | 1 0 | 0 59 | 0 28 | 11 10 | 0 34 | 17 59 | 1 0 | 5 54 | 0 46 | 11 1 | 1 47 | 27 46 | 17 41 | 23 55 | 23 55 | 23 55 | | | n.a. |
| T 21 | 23 4 | 9 23 | 4 17 | 18 9 | 1 52 | 16 9 | 0 58 | 0 45 | 0 28 | 11 11 | 0 33 | 17 59 | 1 0 | 5 54 | 0 46 | 11 1 | 1 47 | 27 47 | 17 41 | 23 55 | 23 55 | 23 54 | | | n.a. |
| W22 | 22 57 | 4 28 | 4 51 | 17 46 | 2 8 | 15 43 | 0 55 | 0 30 | 0 29 | 11 12 | 0 33 | 17 58 | 0 59 | 5 55 | 0 46 | 11 1 | 1 47 | 27 48 | 17 42 | 23 55 | 23 55 | 23 53 | | | n.a. |
| T 23 | 22 50 | 0n42 | 5 11 | 17 25 | 2 23 | 15 17 | 0 52 | 0 15 | 0 30 | 11 13 | 0 33 | 17 58 | 0 59 | 5 55 | 0 47 | 11 1 | 1 47 | 27 49 | 17 42 | 23 55 | 23 55 | 23 53 | | | n.a. |
| F 24 | 22 42 | 5 57 | 5 16 | 17 7 | 2 37 | 14 51 | 0 50 | 0 0 | 0 31 | 11 14 | 0 33 | 17 58 | 0 59 | 5 55 | 0 47 | 11 2 | 1 47 | 27 50 | 17 43 | 23 55 | 23 55 | 23 52 | | | n.a. |
| S 25 | 22 34 | 11 4 | 5 5 | 16 51 | 2 51 | 14 24 | 0 47 | 0n15 | 0 31 | 11 15 | 0 32 | 17 57 | 0 59 | 5 56 | 0 47 | 11 2 | 1 47 | 27 50 | 17 43 | 23 55 | 23 55 | 23 51 | | | n.a. |
| S 26 | 22 25 | 15 48 | 4 38 | 16 39 | 3 4 | 13 57 | 0 44 | 0 30 | 0 32 | 11 16 | 0 32 | 17 57 | 0 59 | 5 56 | 0 47 | 11 2 | 1 47 | 27 51 | 17 43 | 23 55 | 23 55 | 23 50 | | | n.a. |
| M27 | 22 16 | 19 51 | 3 53 | 16 29 | 3 15 | 13 29 | 0 41 | 0 44 | 0 33 | 11 17 | 0 32 | 17 57 | 0 58 | 5 57 | 0 47 | 11 2 | 1 47 | 27 52 | 17 44 | 23 55 | 23 55 | 23 49 | | | n.a. |
| T 28 | 22 7 | 22 50 | 2 53 | 16 23 | 3 26 | 13 1 | 0 38 | 0 59 | 0 34 | 11 19 | 0 32 | 17 57 | 0 58 | 5 57 | 0 47 | 11 3 | 1 47 | 27 53 | 17 44 | 23 55 | 23 55 | 23 48 | | | n.a. |
| W29 | 21 57 | 24 23 | 1 41 | 16 20 | 3 35 | 12 33 | 0 35 | 1 14 | 0 34 | 11 20 | 0 32 | 17 57 | 0 58 | 5 58 | 0 47 | 11 3 | 1 47 | 27 54 | 17 45 | 23 55 | 23 55 | 23 47 | | | n.a. |
| T 30 | 21 46 | 24 13 | 0 20 | 16 20 | 3 43 | 12 4 | 0 32 | 1 29 | 0 35 | 11 21 | 0 31 | 17 57 | 0 58 | 5 58 | 0 47 | 11 3 | 1 47 | 27 54 | 17 45 | 23 55 | 23 55 | 23 46 | | | n.a. |
| F 31 | 21 s36 | 22n18 | 1 s 3 | 16 s23 | 3n49 | 11 s36 | 0 s29 | 1n44 | 0n36 | 11n23 | 0 s31 | 17n57 | 0 s58 | 5n59 | 0n47 | 11 s 3 | 1n47 | 27n55 | 17n45 | 23 s55 | 23 s55 | 23 s45 | | | n.a. |

Julian Day Number = 1000784.5, Delta T = 12h51m27s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'32, Lahiri = -31°09'32 Julian Calendar 1 Jan. 1973 BCE == Greg. Calendar 15 Dec. 1974 BCE

The year -1972 astronomical counting style corresponds to year 1973 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## FEBRUARY 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 35 1 | 25♉47'52 | 27♋24 | 1°R21 | 2♓44 | 3♈32 | 0♉32 | 22°R53 | 16°R55 | 2♏55 | 0°R36 | 0°R44 | 29♐42 | 1♉40 | n.a. | S 1 |
| S 2 | 7 38 57 | 26°47'22 | 12♌24 | 0♒33 | 3°55 | 4° 7 | 0°36 | 22♉52 | 16♍53 | 2°56 | 0♍34 | 0♉41 | 29°39 | 1°47 | n.a. | S 2 |
| M 3 | 7 42 54 | 27°46'49 | 27° 9 | 29♉41 | 5° 6 | 4°43 | 0°40 | 22°52 | 16°52 | 2°57 | 0°33 | 0°38 | 29°36 | 1°53 | n.a. | M 3 |
| T 4 | 7 46 50 | 28°46'13 | 11♍30 | 28°47 | 6°17 | 5°18 | 0°45 | 22°51 | 16°51 | 2°57 | 0°32 | 0°34 | 29°33 | 2° 0 | n.a. | T 4 |
| W 5 | 7 50 47 | 29°45'36 | 25°24 | 27°52 | 7°28 | 5°53 | 0°49 | 22°50 | 16°49 | 2°58 | 0°30 | 0°30 | 29°30 | 2° 7 | n.a. | W 5 |
| T 6 | 7 54 43 | 0♒44'57 | 8♎50 | 26°58 | 8°39 | 6°29 | 0°54 | 22°50 | 16°48 | 2°58 | 0°29 | 0°27 | 29°27 | 2°13 | n.a. | T 6 |
| F 7 | 7 58 40 | 1°44'16 | 21°49 | 26° 4 | 9°50 | 7° 4 | 0°59 | 22°50 | 16°46 | 2°59 | 0°27 | 0°25 | 29°23 | 2°20 | n.a. | F 7 |
| S 8 | 8 2 36 | 2°43'33 | 4♏24 | 25°13 | 11° 0 | 7°40 | 1° 4 | 22°49 | 16°45 | 2°59 | 0°26 | 0°D24 | 29°20 | 2°27 | n.a. | S 8 |
| S 9 | 8 6 33 | 3°42'48 | 16°40 | 24°25 | 12°11 | 8°16 | 1° 9 | 22°D49 | 16°43 | 2°59 | 0°24 | 0°25 | 29°17 | 2°33 | n.a. | S 9 |
| M10 | 8 10 30 | 4°42'01 | 28°41 | 23°41 | 13°21 | 8°51 | 1°15 | 22°49 | 16°42 | 3° 0 | 0°23 | 0°27 | 29°14 | 2°40 | n.a. | M10 |
| T 11 | 8 14 26 | 5°41'12 | 10♐33 | 23° 2 | 14°31 | 9°27 | 1°20 | 22°50 | 16°40 | 3° 0 | 0°22 | 0°28 | 29°11 | 2°47 | n.a. | T 11 |
| W12 | 8 18 23 | 6°40'21 | 22°20 | 22°27 | 15°41 | 10° 3 | 1°26 | 22°50 | 16°38 | 3° 0 | 0°20 | 0°30 | 29° 8 | 2°53 | n.a. | W12 |
| T 13 | 8 22 19 | 7°39'29 | 4♑ 6 | 21°58 | 16°51 | 10°38 | 1°32 | 22°50 | 16°37 | 3° 1 | 0°19 | 0°R30 | 29° 4 | 3° 0 | n.a. | T 13 |
| F 14 | 8 26 16 | 8°38'34 | 15°54 | 21°35 | 18° 1 | 11°14 | 1°38 | 22°51 | 16°35 | 3° 1 | 0°17 | 0°29 | 29° 1 | 3° 7 | n.a. | F 14 |
| S 15 | 8 30 12 | 9°37'37 | 27°49 | 21°17 | 19°11 | 11°50 | 1°44 | 22°51 | 16°33 | 3° 1 | 0°15 | 0°25 | 28°58 | 3°13 | n.a. | S 15 |
| S 16 | 8 34 9 | 10°36'37 | 9♒52 | 21° 5 | 20°21 | 12°26 | 1°50 | 22°52 | 16°31 | 3° 1 | 0°14 | 0°20 | 28°55 | 3°20 | n.a. | S 16 |
| M17 | 8 38 5 | 11°35'36 | 22° 4 | 20°58 | 21°30 | 13° 2 | 1°57 | 22°53 | 16°29 | 3° 1 | 0°12 | 0°14 | 28°52 | 3°27 | n.a. | M17 |
| T 18 | 8 42 2 | 12°34'32 | 4♓27 | 20°D58 | 22°40 | 13°37 | 2° 3 | 22°54 | 16°27 | 3° 1 | 0°11 | 0° 6 | 28°48 | 3°33 | n.a. | T 18 |
| W19 | 8 45 58 | 13°33'26 | 17° 2 | 21° 2 | 23°49 | 14°13 | 2°10 | 22°55 | 16°25 | 3° 1 | 0° 9 | 29♐58 | 28°45 | 3°40 | n.a. | W19 |
| T 20 | 8 49 55 | 14°32'18 | 29°49 | 21°12 | 24°58 | 14°49 | 2°17 | 22°56 | 16°23 | 3°R 1 | 0° 8 | 29°51 | 28°42 | 3°46 | n.a. | T 20 |
| F 21 | 8 53 52 | 15°31'07 | 12♈49 | 21°27 | 26° 7 | 15°25 | 2°24 | 22°57 | 16°21 | 3° 1 | 0° 6 | 29°45 | 28°39 | 3°53 | n.a. | F 21 |
| S 22 | 8 57 48 | 16°29'54 | 26° 4 | 21°47 | 27°16 | 16° 1 | 2°31 | 22°58 | 16°19 | 3° 1 | 0° 4 | 29°41 | 28°36 | 4° 0 | n.a. | S 22 |
| S 23 | 9 1 45 | 17°28'38 | 9♉33 | 22°12 | 28°24 | 16°37 | 2°39 | 23° 0 | 16°17 | 3° 1 | 0° 3 | 29°39 | 28°33 | 4° 6 | n.a. | S 23 |
| M24 | 9 5 41 | 18°27'20 | 23°19 | 22°41 | 29°33 | 17°13 | 2°46 | 23° 1 | 16°15 | 3° 1 | 0° 1 | 29°D39 | 28°29 | 4°13 | n.a. | M24 |
| T 25 | 9 9 38 | 19°26'00 | 7♊22 | 23°14 | 0♈41 | 17°49 | 2°54 | 23° 3 | 16°13 | 3° 1 | 29♌59 | 29°40 | 28°26 | 4°20 | n.a. | T 25 |
| W26 | 9 13 34 | 20°24'37 | 21°42 | 23°52 | 1°49 | 18°25 | 3° 1 | 23° 5 | 16°11 | 3° 1 | 29°58 | 29°41 | 28°23 | 4°26 | n.a. | W26 |
| T 27 | 9 17 31 | 21°23'12 | 6♋15 | 24°33 | 2°57 | 19° 1 | 3° 9 | 23° 7 | 16° 9 | 3° 1 | 29°56 | 29°R41 | 28°20 | 4°33 | n.a. | T 27 |
| F 28 | 9 21 27 | 22°21'45 | 21° 0 | 25°18 | 4° 5 | 19°38 | 3°17 | 23° 9 | 16° 6 | 3° 0 | 29°54 | 29°39 | 28°17 | 4°40 | n.a. | F 28 |
| S 29 | 9 25 24 | 23♒20'15 | 5♌49 | 26♑ 6 | 5♈13 | 20♈14 | 3♉25 | 23♉11 | 16♍ 4 | 3♏ 0 | 29♌53 | 29♐35 | 28♐14 | 4♑46 | n.a. | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21 s25 | 18n47 | 2 s22 | 16 s29 | 3n53 | 11 s 6 | 0 s26 | 1n59 | 0n36 | 11n25 | 0 s31 | 17n56 | 0 s57 | 5n59 | 0n47 | 11 s 3 | 1n47 | 27n56 | 17n46 | 23 s55 | 23 s55 | 23 s44 | | n.a. |
| S 2 | 21 13 | 14 4 | 3 30 | 16 37 | 3 55 | 10 37 | 0 23 | 2 14 | 0 37 | 11 26 | 0 31 | 17 56 | 0 57 | 6 0 | 0 47 | 11 4 | 1 47 | 27 57 | 17 46 | 23 55 | 23 55 | 23 43 | | n.a. |
| M 3 | 21 1 | 8 37 | 4 22 | 16 48 | 3 55 | 10 8 | 0 19 | 2 29 | 0 37 | 11 28 | 0 30 | 17 56 | 0 57 | 6 0 | 0 47 | 11 4 | 1 47 | 27 58 | 17 46 | 23 55 | 23 55 | 23 42 | | n.a. |
| T 4 | 20 49 | 2 50 | 4 57 | 17 1 | 3 53 | 9 38 | 0 16 | 2 44 | 0 38 | 11 30 | 0 30 | 17 56 | 0 57 | 6 1 | 0 47 | 11 4 | 1 47 | 27 59 | 17 47 | 23 55 | 23 55 | 23 41 | | n.a. |
| W 5 | 20 37 | 2 s54 | 5 13 | 17 16 | 3 49 | 9 8 | 0 13 | 2 58 | 0 39 | 11 31 | 0 30 | 17 57 | 0 57 | 6 1 | 0 47 | 11 4 | 1 47 | 27 59 | 17 47 | 23 55 | 23 55 | 23 40 | | n.a. |
| T 6 | 20 24 | 8 18 | 5 11 | 17 32 | 3 44 | 8 38 | 0 9 | 3 13 | 0 39 | 11 33 | 0 30 | 17 57 | 0 56 | 6 2 | 0 47 | 11 4 | 1 47 | 28 0 | 17 47 | 23 55 | 23 55 | 23 39 | | n.a. |
| F 7 | 20 10 | 13 10 | 4 52 | 17 49 | 3 36 | 8 8 | 0 6 | 3 28 | 0 40 | 11 35 | 0 29 | 17 57 | 0 56 | 6 3 | 0 47 | 11 4 | 1 47 | 28 1 | 17 48 | 23 55 | 23 55 | 23 38 | | n.a. |
| S 8 | 19 57 | 17 19 | 4 20 | 18 7 | 3 27 | 7 37 | 0 2 | 3 43 | 0 40 | 11 37 | 0 29 | 17 57 | 0 56 | 6 3 | 0 47 | 11 4 | 1 48 | 28 2 | 17 48 | 23 55 | 23 55 | 23 37 | | n.a. |
| S 9 | 19 43 | 20 37 | 3 37 | 18 26 | 3 17 | 7 6 | 0n 1 | 3 58 | 0 41 | 11 39 | 0 29 | 17 57 | 0 56 | 6 4 | 0 47 | 11 4 | 1 48 | 28 3 | 17 48 | 23 55 | 23 55 | 23 36 | | n.a. |
| M10 | 19 28 | 22 57 | 2 45 | 18 45 | 3 6 | 6 36 | 0 5 | 4 13 | 0 42 | 11 41 | 0 29 | 17 57 | 0 56 | 6 5 | 0 47 | 11 4 | 1 48 | 28 3 | 17 49 | 23 55 | 23 55 | 23 35 | | n.a. |
| T 11 | 19 14 | 24 15 | 1 47 | 19 4 | 2 54 | 6 5 | 0 9 | 4 28 | 0 42 | 11 44 | 0 29 | 17 57 | 0 55 | 6 5 | 0 47 | 11 5 | 1 48 | 28 4 | 17 49 | 23 55 | 23 55 | 23 34 | | n.a. |
| W12 | 18 59 | 24 26 | 0 45 | 19 22 | 2 40 | 5 34 | 0 12 | 4 42 | 0 43 | 11 46 | 0 28 | 17 58 | 0 55 | 6 6 | 0 47 | 11 5 | 1 48 | 28 5 | 17 49 | 23 55 | 23 55 | 23 33 | | n.a. |
| T 13 | 18 43 | 23 32 | 0n20 | 19 41 | 2 27 | 5 3 | 0 16 | 4 57 | 0 43 | 11 48 | 0 28 | 17 58 | 0 55 | 6 7 | 0 47 | 11 5 | 1 48 | 28 6 | 17 49 | 23 55 | 23 55 | 23 32 | | n.a. |
| F 14 | 18 28 | 21 35 | 1 23 | 19 58 | 2 13 | 4 31 | 0 20 | 5 12 | 0 44 | 11 50 | 0 28 | 17 58 | 0 55 | 6 7 | 0 47 | 11 5 | 1 48 | 28 7 | 17 50 | 23 55 | 23 55 | 23 31 | | n.a. |
| S 15 | 18 12 | 18 41 | 2 23 | 20 15 | 1 58 | 4 0 | 0 24 | 5 27 | 0 44 | 11 53 | 0 28 | 17 59 | 0 55 | 6 8 | 0 47 | 11 5 | 1 48 | 28 7 | 17 50 | 23 55 | 23 55 | 23 30 | | n.a. |
| S 16 | 17 56 | 14 58 | 3 18 | 20 32 | 1 43 | 3 29 | 0 27 | 5 42 | 0 45 | 11 55 | 0 28 | 17 59 | 0 54 | 6 9 | 0 47 | 11 5 | 1 48 | 28 8 | 17 50 | 23 55 | 23 55 | 23 29 | | n.a. |
| M17 | 17 39 | 10 36 | 4 4 | 20 47 | 1 29 | 2 57 | 0 31 | 5 56 | 0 45 | 11 58 | 0 27 | 17 59 | 0 54 | 6 10 | 0 47 | 11 5 | 1 48 | 28 9 | 17 50 | 23 55 | 23 55 | 23 28 | | n.a. |
| T 18 | 17 22 | 5 45 | 4 39 | 21 2 | 1 14 | 2 26 | 0 35 | 6 11 | 0 46 | 12 0 | 0 27 | 18 0 | 0 54 | 6 10 | 0 47 | 11 5 | 1 48 | 28 10 | 17 50 | 23 55 | 23 55 | 23 27 | | n.a. |
| W19 | 17 5 | 0 37 | 5 1 | 21 15 | 1 0 | 1 54 | 0 39 | 6 26 | 0 46 | 12 3 | 0 27 | 18 0 | 0 54 | 6 11 | 0 47 | 11 5 | 1 48 | 28 11 | 17 51 | 23 55 | 23 55 | 23 26 | | n.a. |
| T 20 | 16 48 | 4n38 | 5 9 | 21 28 | 0 46 | 1 23 | 0 43 | 6 40 | 0 47 | 12 5 | 0 27 | 18 1 | 0 54 | 6 12 | 0 47 | 11 5 | 1 48 | 28 11 | 17 51 | 23 55 | 23 55 | 23 25 | | n.a. |
| F 21 | 16 30 | 9 46 | 5 1 | 21 39 | 0 32 | 0 52 | 0 47 | 6 55 | 0 47 | 12 8 | 0 27 | 18 1 | 0 53 | 6 13 | 0 47 | 11 5 | 1 48 | 28 12 | 17 51 | 23 55 | 23 55 | 23 24 | | n.a. |
| S 22 | 16 12 | 14 33 | 4 37 | 21 49 | 0 18 | 0 20 | 0 51 | 7 10 | 0 48 | 12 11 | 0 26 | 18 2 | 0 53 | 6 14 | 0 47 | 11 4 | 1 48 | 28 13 | 17 51 | 23 55 | 23 55 | 23 22 | | n.a. |
| S 23 | 15 54 | 18 42 | 3 57 | 21 58 | 0 5 | 0n11 | 0 55 | 7 24 | 0 48 | 12 14 | 0 26 | 18 2 | 0 53 | 6 15 | 0 47 | 11 4 | 1 48 | 28 14 | 17 51 | 23 55 | 23 55 | 23 21 | | n.a. |
| M24 | 15 36 | 21 56 | 3 3 | 22 5 | 0 s 7 | 0 43 | 0 59 | 7 39 | 0 49 | 12 16 | 0 26 | 18 3 | 0 53 | 6 15 | 0 47 | 11 4 | 1 48 | 28 14 | 17 51 | 23 55 | 23 55 | 23 20 | | n.a. |
| T 25 | 15 17 | 23 54 | 1 57 | 22 11 | 0 19 | 1 14 | 1 3 | 7 53 | 0 49 | 12 19 | 0 26 | 18 4 | 0 53 | 6 16 | 0 47 | 11 4 | 1 48 | 28 15 | 17 52 | 23 55 | 23 55 | 23 19 | | n.a. |
| W26 | 14 59 | 24 22 | 0 43 | 22 16 | 0 31 | 1 46 | 1 7 | 8 8 | 0 50 | 12 22 | 0 26 | 18 4 | 0 52 | 6 17 | 0 47 | 11 4 | 1 48 | 28 16 | 17 52 | 23 55 | 23 55 | 23 18 | | n.a. |
| T 27 | 14 39 | 23 11 | 0 s35 | 22 20 | 0 42 | 2 17 | 1 11 | 8 22 | 0 50 | 12 25 | 0 25 | 18 5 | 0 52 | 6 18 | 0 47 | 11 4 | 1 49 | 28 17 | 17 52 | 23 55 | 23 55 | 23 17 | | n.a. |
| F 28 | 14 20 | 20 24 | 1 52 | 22 22 | 0 53 | 2 48 | 1 15 | 8 36 | 0 51 | 12 28 | 0 25 | 18 6 | 0 52 | 6 19 | 0 47 | 11 4 | 1 49 | 28 17 | 17 52 | 23 55 | 23 55 | 23 16 | | n.a. |
| S 29 | 14 s 1 | 16n16 | 3 s 2 | 22 s23 | 1 s 3 | 3n19 | 1n19 | 8n51 | 0n51 | 12n31 | 0 s25 | 18n 6 | 0 s52 | 6n20 | 0n47 | 11 s 4 | 1n49 | 28n18 | 17n52 | 23 s55 | 23 s55 | 23 s15 | | n.a. |

Julian Day Number = 1000815.5, Delta T = 12h51m25s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'28, Lahiri = -31°09'28 Julian Calendar 1 Feb. 1973 BCE == Greg. Calendar 15 Jan. 1973 BCE


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## MARCH 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 29 20 | 24♒18'43 | 20♌36 | 26♉58 | 6♈20 | 20♈50 | 3♉34 | 23♉13 | 16°R 2 | 3°R 0 | 29°R51 | 29°R29 | 28♐10 | 4♉53 | n.a. | S 1 |
| M 2 | 9 33 17 | 25°17'09 | 5♍13 | 27°53 | 7°28 | 21°26 | 3°42 | 23°15 | 15♍59 | 3♏ 0 | 29♌49 | 29♐20 | 28° 7 | 5° 0 | n.a. | M 2 |
| T 3 | 9 37 14 | 26°15'33 | 19°31 | 28°51 | 8°35 | 22° 2 | 3°51 | 23°18 | 15°57 | 2°59 | 29°48 | 29°11 | 28° 4 | 5° 6 | n.a. | T 3 |
| W 4 | 9 41 10 | 27°13'55 | 3♎26 | 29°51 | 9°42 | 22°38 | 3°59 | 23°20 | 15°55 | 2°59 | 29°46 | 29° 2 | 28° 1 | 5°13 | n.a. | W 4 |
| T 5 | 9 45 7 | 28°12'15 | 16°56 | 0♒55 | 10°49 | 23°15 | 4° 8 | 23°23 | 15°52 | 2°58 | 29°44 | 28°55 | 27°58 | 5°20 | n.a. | T 5 |
| F 6 | 9 49 3 | 29°10'33 | 29°59 | 2° 1 | 11°55 | 23°51 | 4°17 | 23°25 | 15°50 | 2°58 | 29°43 | 28°49 | 27°54 | 5°26 | n.a. | F 6 |
| S 7 | 9 53 0 | 0♓ 8'50 | 12♏38 | 3° 9 | 13° 2 | 24°27 | 4°26 | 23°28 | 15°48 | 2°57 | 29°41 | 28°45 | 27°51 | 5°33 | n.a. | S 7 |
| S 8 | 9 56 56 | 1° 7'05 | 24°56 | 4°20 | 14° 8 | 25° 3 | 4°35 | 23°31 | 15°45 | 2°57 | 29°39 | 28°43 | 27°48 | 5°39 | n.a. | S 8 |
| M 9 | 10 0 53 | 2° 5'18 | 6♐59 | 5°34 | 15°14 | 25°40 | 4°44 | 23°34 | 15°43 | 2°56 | 29°38 | 28°D43 | 27°45 | 5°46 | n.a. | M 9 |
| T 10 | 10 4 49 | 3° 3'30 | 18°51 | 6°49 | 16°19 | 26°16 | 4°54 | 23°37 | 15°40 | 2°56 | 29°36 | 28°44 | 27°42 | 5°53 | n.a. | T 10 |
| W11 | 10 8 46 | 4° 1'40 | 0♑38 | 8° 7 | 17°25 | 26°52 | 5° 3 | 23°40 | 15°38 | 2°55 | 29°34 | 28°R44 | 27°39 | 5°59 | n.a. | W11 |
| T 12 | 10 12 42 | 4°59'48 | 12°26 | 9°27 | 18°30 | 27°29 | 5°12 | 23°44 | 15°36 | 2°55 | 29°33 | 28°43 | 27°35 | 6° 6 | n.a. | T 12 |
| F 13 | 10 16 39 | 5°57'55 | 24°18 | 10°50 | 19°35 | 28° 5 | 5°22 | 23°47 | 15°33 | 2°54 | 29°31 | 28°40 | 27°32 | 6°13 | n.a. | F 13 |
| S 14 | 10 20 36 | 6°56'00 | 6♒19 | 12°14 | 20°40 | 28°41 | 5°32 | 23°51 | 15°31 | 2°53 | 29°29 | 28°35 | 27°29 | 6°19 | n.a. | S 14 |
| S 15 | 10 24 32 | 7°54'03 | 18°32 | 13°40 | 21°45 | 29°18 | 5°42 | 23°54 | 15°28 | 2°52 | 29°28 | 28°26 | 27°26 | 6°26 | n.a. | S 15 |
| M16 | 10 28 29 | 8°52'05 | 0♓58 | 15° 8 | 22°49 | 29°54 | 5°52 | 23°58 | 15°26 | 2°52 | 29°26 | 28°16 | 27°23 | 6°33 | n.a. | M16 |
| T 17 | 10 32 25 | 9°50'04 | 13°38 | 16°39 | 23°54 | 0♉31 | 6° 2 | 24° 1 | 15°23 | 2°51 | 29°24 | 28° 4 | 27°19 | 6°39 | n.a. | T 17 |
| W18 | 10 36 22 | 10°48'02 | 26°32 | 18°11 | 24°57 | 1° 7 | 6°12 | 24° 5 | 15°21 | 2°50 | 29°23 | 27°52 | 27°16 | 6°46 | n.a. | W18 |
| T 19 | 10 40 18 | 11°45'58 | 9♈40 | 19°45 | 26° 1 | 1°43 | 6°22 | 24° 9 | 15°18 | 2°49 | 29°21 | 27°40 | 27°13 | 6°53 | n.a. | T 19 |
| F 20 | 10 44 15 | 12°43'52 | 23° 0 | 21°21 | 27° 4 | 2°20 | 6°32 | 24°13 | 15°15 | 2°48 | 29°19 | 27°31 | 27°10 | 6°59 | n.a. | F 20 |
| S 21 | 10 48 11 | 13°41'45 | 6♉30 | 22°59 | 28° 8 | 2°56 | 6°43 | 24°17 | 15°13 | 2°47 | 29°18 | 27°24 | 27° 7 | 7° 6 | n.a. | S 21 |
| S 22 | 10 52 8 | 14°39'35 | 20°11 | 24°39 | 29°10 | 3°33 | 6°53 | 24°22 | 15°10 | 2°47 | 29°16 | 27°19 | 27° 4 | 7°13 | n.a. | S 22 |
| M23 | 10 56 4 | 15°37'24 | 4♊ 1 | 26°21 | 0♉13 | 4°10 | 7° 4 | 24°26 | 15° 8 | 2°46 | 29°14 | 27°18 | 27° 0 | 7°19 | n.a. | M23 |
| T 24 | 11 0 1 | 16°35'10 | 18° 0 | 28° 5 | 1°15 | 4°46 | 7°15 | 24°30 | 15° 5 | 2°45 | 29°13 | 27°D17 | 26°57 | 7°26 | n.a. | T 24 |
| W25 | 11 3 58 | 17°32'55 | 2♋ 8 | 29°50 | 2°17 | 5°23 | 7°26 | 24°35 | 15° 3 | 2°44 | 29°11 | 27°R17 | 26°54 | 7°32 | n.a. | W25 |
| T 26 | 11 7 54 | 18°30'38 | 16°24 | 1♓38 | 3°18 | 5°59 | 7°36 | 24°39 | 15° 0 | 2°43 | 29°10 | 27°16 | 26°51 | 7°39 | n.a. | T 26 |
| F 27 | 11 11 51 | 19°28'19 | 0♌46 | 3°27 | 4°20 | 6°36 | 7°47 | 24°44 | 14°58 | 2°42 | 29° 8 | 27°13 | 26°48 | 7°46 | n.a. | F 27 |
| S 28 | 11 15 47 | 20°25'58 | 15°11 | 5°19 | 5°21 | 7°12 | 7°58 | 24°48 | 14°55 | 2°40 | 29° 7 | 27° 8 | 26°45 | 7°52 | n.a. | S 28 |
| S 29 | 11 19 44 | 21°23'36 | 29°34 | 7°12 | 6°21 | 7°49 | 8°10 | 24°53 | 14°53 | 2°39 | 29° 5 | 26°59 | 26°41 | 7°59 | n.a. | S 29 |
| M30 | 11 23 40 | 22°21'11 | 13♍49 | 9° 7 | 7°21 | 8°26 | 8°21 | 24°58 | 14°50 | 2°38 | 29° 3 | 26°49 | 26°38 | 8° 6 | n.a. | M30 |
| T 31 | 11 27 37 | 23♓18'46 | 27♍50 | 11♓ 4 | 8♉21 | 9♉ 2 | 8♉32 | 25♉ 3 | 14♍48 | 2♏37 | 29♌ 2 | 26♐37 | 26♐35 | 8♉12 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| S 1 | 13s41 | 11n 9 | 3s59 | 22s22 | 1s12 | 3n50 | 1n23 | 9n 5 | 0n52 | 12n34 | 0s25 | 18n 7 | 0s52 | 6n21 | 0n48 | 11s 4 | 1n49 | 28n19 | 17n52 | 23s55 | 23s55 | 23s14 | | | n.a. |
| M 2 | 13 21 | 5 28 | 4 39 | 22 20 | 1 21 | 4 21 | 1 27 | 9 19 | 0 52 | 12 37 | 0 25 | 18 8 | 0 51 | 6 22 | 0 48 | 11 3 | 1 49 | 28 19 | 17 52 | 23 55 | 23 54 | 23 12 | | | n.a. |
| T 3 | 13 1 | 0s22 | 5 1 | 22 16 | 1 30 | 4 51 | 1 31 | 9 33 | 0 52 | 12 40 | 0 24 | 18 9 | 0 51 | 6 23 | 0 48 | 11 3 | 1 49 | 28 20 | 17 52 | 23 55 | 23 54 | 23 11 | | | n.a. |
| W 4 | 12 41 | 6 2 | 5 5 | 22 11 | 1 38 | 5 22 | 1 35 | 9 48 | 0 53 | 12 43 | 0 24 | 18 9 | 0 51 | 6 23 | 0 48 | 11 3 | 1 49 | 28 21 | 17 52 | 23 55 | 23 54 | 23 10 | | | n.a. |
| T 5 | 12 20 | 11 14 | 4 51 | 22 4 | 1 45 | 5 52 | 1 39 | 10 2 | 0 53 | 12 46 | 0 24 | 18 10 | 0 51 | 6 24 | 0 48 | 11 3 | 1 49 | 28 21 | 17 52 | 23 55 | 23 54 | 23 9 | | | n.a. |
| F 6 | 11 59 | 15 46 | 4 22 | 21 55 | 1 52 | 6 23 | 1 43 | 10 16 | 0 54 | 12 50 | 0 24 | 18 11 | 0 51 | 6 25 | 0 48 | 11 3 | 1 49 | 28 22 | 17 52 | 23 55 | 23 54 | 23 8 | | | n.a. |
| S 7 | 11 39 | 19 26 | 3 41 | 21 45 | 1 58 | 6 53 | 1 47 | 10 30 | 0 54 | 12 53 | 0 24 | 18 12 | 0 51 | 6 26 | 0 48 | 11 2 | 1 49 | 28 23 | 17 52 | 23 55 | 23 54 | 23 7 | | | n.a. |
| S 8 | 11 18 | 22 8 | 2 51 | 21 33 | 2 3 | 7 23 | 1 51 | 10 44 | 0 54 | 12 56 | 0 24 | 18 13 | 0 50 | 6 27 | 0 48 | 11 2 | 1 49 | 28 23 | 17 52 | 23 55 | 23 54 | 23 6 | | | n.a. |
| M 9 | 10 56 | 23 47 | 1 54 | 21 20 | 2 9 | 7 52 | 1 55 | 10 58 | 0 55 | 13 0 | 0 23 | 18 14 | 0 50 | 6 28 | 0 48 | 11 2 | 1 49 | 28 24 | 17 52 | 23 55 | 23 54 | 23 4 | | | n.a. |
| T 10 | 10 35 | 24 19 | 0 53 | 21 5 | 2 13 | 8 22 | 1 59 | 11 11 | 0 55 | 13 3 | 0 23 | 18 15 | 0 50 | 6 29 | 0 48 | 11 2 | 1 49 | 28 25 | 17 52 | 23 55 | 23 54 | 23 3 | | | n.a. |
| W11 | 10 14 | 23 45 | 0n10 | 20 48 | 2 17 | 8 51 | 2 3 | 11 25 | 0 56 | 13 6 | 0 23 | 18 16 | 0 50 | 6 30 | 0 48 | 11 1 | 1 49 | 28 25 | 17 52 | 23 55 | 23 54 | 23 2 | | | n.a. |
| T 12 | 9 52 | 22 7 | 1 12 | 20 30 | 2 20 | 9 20 | 2 6 | 11 39 | 0 56 | 13 10 | 0 23 | 18 17 | 0 50 | 6 31 | 0 48 | 11 1 | 1 49 | 28 26 | 17 52 | 23 55 | 23 54 | 23 1 | | | n.a. |
| F 13 | 9 30 | 19 31 | 2 12 | 20 10 | 2 23 | 9 49 | 2 10 | 11 53 | 0 56 | 13 13 | 0 23 | 18 18 | 0 49 | 6 32 | 0 48 | 11 1 | 1 49 | 28 26 | 17 52 | 23 55 | 23 54 | 23 0 | | | n.a. |
| S 14 | 9 8 | 16 4 | 3 6 | 19 48 | 2 25 | 10 17 | 2 14 | 12 6 | 0 57 | 13 17 | 0 22 | 18 19 | 0 49 | 6 33 | 0 48 | 11 1 | 1 49 | 28 27 | 17 52 | 23 55 | 23 54 | 22 59 | | | n.a. |
| S 15 | 8 46 | 11 54 | 3 52 | 19 24 | 2 27 | 10 46 | 2 18 | 12 20 | 0 57 | 13 20 | 0 22 | 18 20 | 0 49 | 6 34 | 0 48 | 11 0 | 1 49 | 28 28 | 17 52 | 23 55 | 23 54 | 22 57 | | | n.a. |
| M16 | 8 24 | 7 10 | 4 29 | 18 59 | 2 28 | 11 14 | 2 21 | 12 33 | 0 57 | 13 24 | 0 22 | 18 21 | 0 49 | 6 35 | 0 48 | 11 0 | 1 49 | 28 28 | 17 52 | 23 55 | 23 54 | 22 56 | | | n.a. |
| T 17 | 8 2 | 2 5 | 4 52 | 18 31 | 2 29 | 11 42 | 2 25 | 12 47 | 0 58 | 13 27 | 0 22 | 18 22 | 0 49 | 6 36 | 0 48 | 11 0 | 1 49 | 28 29 | 17 52 | 23 54 | 23 54 | 22 55 | | | n.a. |
| W18 | 7 40 | 3n12 | 5 2 | 18 2 | 2 29 | 12 9 | 2 29 | 13 0 | 0 58 | 13 31 | 0 22 | 18 23 | 0 49 | 6 37 | 0 48 | 10 59 | 1 50 | 28 29 | 17 52 | 23 54 | 23 54 | 22 54 | | | n.a. |
| T 19 | 7 17 | 8 24 | 4 55 | 17 32 | 2 28 | 12 36 | 2 32 | 13 13 | 0 58 | 13 34 | 0 22 | 18 24 | 0 48 | 6 38 | 0 48 | 10 59 | 1 50 | 28 30 | 17 51 | 23 54 | 23 53 | 22 52 | | | n.a. |
| F 20 | 6 55 | 13 19 | 4 33 | 16 59 | 2 27 | 13 3 | 2 36 | 13 26 | 0 59 | 13 38 | 0 21 | 18 26 | 0 48 | 6 39 | 0 48 | 10 59 | 1 50 | 28 30 | 17 51 | 23 54 | 23 53 | 22 51 | | | n.a. |
| S 21 | 6 32 | 17 39 | 3 55 | 16 25 | 2 25 | 13 29 | 2 39 | 13 40 | 0 59 | 13 42 | 0 21 | 18 27 | 0 48 | 6 40 | 0 48 | 10 58 | 1 50 | 28 31 | 17 51 | 23 54 | 23 53 | 22 50 | | | n.a. |
| S 22 | 6 9 | 21 5 | 3 3 | 15 49 | 2 23 | 13 55 | 2 43 | 13 53 | 0 59 | 13 45 | 0 21 | 18 28 | 0 48 | 6 41 | 0 48 | 10 58 | 1 50 | 28 31 | 17 51 | 23 54 | 23 53 | 22 49 | | | n.a. |
| M23 | 5 47 | 23 20 | 2 0 | 15 11 | 2 20 | 14 21 | 2 46 | 14 6 | 1 0 | 13 49 | 0 21 | 18 29 | 0 48 | 6 42 | 0 48 | 10 58 | 1 50 | 28 32 | 17 51 | 23 54 | 23 53 | 22 48 | | | n.a. |
| T 24 | 5 24 | 24 11 | 0 49 | 14 31 | 2 17 | 14 47 | 2 49 | 14 18 | 1 0 | 13 53 | 0 21 | 18 31 | 0 48 | 6 43 | 0 48 | 10 57 | 1 50 | 28 32 | 17 51 | 23 54 | 23 53 | 22 46 | | | n.a. |
| W25 | 5 1 | 23 29 | 0s26 | 13 49 | 2 13 | 15 12 | 2 52 | 14 31 | 1 0 | 13 56 | 0 21 | 18 32 | 0 47 | 6 44 | 0 48 | 10 57 | 1 50 | 28 32 | 17 50 | 23 54 | 23 53 | 22 45 | | | n.a. |
| T 26 | 4 38 | 21 15 | 1 39 | 13 6 | 2 8 | 15 36 | 2 55 | 14 44 | 1 0 | 14 0 | 0 21 | 18 33 | 0 47 | 6 45 | 0 48 | 10 56 | 1 50 | 28 33 | 17 50 | 23 54 | 23 53 | 22 44 | | | n.a. |
| F 27 | 4 15 | 17 40 | 2 47 | 12 21 | 2 3 | 16 1 | 2 59 | 14 57 | 1 1 | 14 4 | 0 20 | 18 34 | 0 47 | 6 46 | 0 48 | 10 56 | 1 50 | 28 33 | 17 50 | 23 53 | 23 53 | 22 43 | | | n.a. |
| S 28 | 3 52 | 13 2 | 3 45 | 11 34 | 1 58 | 16 24 | 3 2 | 15 9 | 1 1 | 14 8 | 0 20 | 18 36 | 0 47 | 6 47 | 0 48 | 10 56 | 1 50 | 28 34 | 17 50 | 23 53 | 23 53 | 22 41 | | | n.a. |
| S 29 | 3 29 | 7 41 | 4 27 | 10 46 | 1 52 | 16 48 | 3 4 | 15 22 | 1 1 | 14 12 | 0 20 | 18 37 | 0 47 | 6 48 | 0 48 | 10 55 | 1 50 | 28 34 | 17 50 | 23 53 | 23 53 | 22 40 | | | n.a. |
| M30 | 3 6 | 2 0 | 4 53 | 9 55 | 1 45 | 17 11 | 3 7 | 15 34 | 1 2 | 14 15 | 0 20 | 18 38 | 0 47 | 6 49 | 0 48 | 10 55 | 1 50 | 28 34 | 17 49 | 23 53 | 23 53 | 22 39 | | | n.a. |
| T 31 | 2s42 | 3s42 | 5s 1 | 9s 3 | 1s38 | 17n34 | 3n10 | 15n46 | 1n 2 | 14n19 | 0s20 | 18n40 | 0s46 | 6n50 | 0n48 | 10s54 | 1n50 | 28n35 | 17n49 | 23s53 | 23s53 | 22s37 | | | n.a. |

Julian Day Number = 1000844.5, Delta T = 12h51m23s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'24, Lahiri = -31°09'24 Julian Calendar 1 March 1973 BCE == Greg. Calendar 13 Feb. 1973 BCE

The year -1972 astronomical counting style corresponds to year 1973 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## APRIL 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 31 33 | 24♓16'18 | 11♎34 | 13♓ 3 | 9♉20 | 9♉39 | 8♉43 | 25♉ 8 | 14°R45 | 2°R36 | 29°R 0 | 26°R25 | 26♐32 | 8♑19 | n.a. | W 1 |
| T 2 | 11 35 30 | 25°13'50 | 24°56 | 15° 4 | 10°19 | 10°16 | 8°55 | 25°13 | 14♍43 | 2♏35 | 28♌59 | 26♐15 | 26°29 | 8°26 | n.a. | T 2 |
| F 3 | 11 39 27 | 26°11'20 | 7♏56 | 17° 6 | 11°18 | 10°52 | 9° 6 | 25°18 | 14°40 | 2°34 | 28°58 | 26° 6 | 26°25 | 8°32 | n.a. | F 3 |
| S 4 | 11 43 23 | 27° 8'50 | 20°33 | 19°10 | 12°16 | 11°29 | 9°18 | 25°23 | 14°38 | 2°32 | 28°56 | 26° 0 | 26°22 | 8°39 | n.a. | S 4 |
| S 5 | 11 47 20 | 28° 6'18 | 2♐52 | 21°16 | 13°14 | 12° 6 | 9°29 | 25°29 | 14°35 | 2°31 | 28°55 | 25°57 | 26°19 | 8°46 | n.a. | S 5 |
| M 6 | 11 51 16 | 29° 3'45 | 14°56 | 23°23 | 14°11 | 12°42 | 9°41 | 25°34 | 14°33 | 2°30 | 28°53 | 25°55 | 26°16 | 8°52 | n.a. | M 6 |
| T 7 | 11 55 13 | 0♈ 1'11 | 26°49 | 25°31 | 15° 8 | 13°19 | 9°53 | 25°40 | 14°31 | 2°29 | 28°52 | 25°55 | 26°13 | 8°59 | n.a. | T 7 |
| W 8 | 11 59 9 | 0°58'36 | 8♑38 | 27°41 | 16° 4 | 13°56 | 10° 5 | 25°45 | 14°28 | 2°27 | 28°51 | 25°55 | 26°10 | 9° 6 | n.a. | W 8 |
| T 9 | 12 3 6 | 1°56'01 | 20°27 | 29°51 | 17° 0 | 14°33 | 10°16 | 25°51 | 14°26 | 2°26 | 28°49 | 25°54 | 26° 6 | 9°12 | n.a. | T 9 |
| F 10 | 12 7 2 | 2°53'24 | 2♒23 | 2♈ 2 | 17°56 | 15° 9 | 10°28 | 25°56 | 14°23 | 2°25 | 28°48 | 25°51 | 26° 3 | 9°19 | n.a. | F 10 |
| S 11 | 12 10 59 | 3°50'46 | 14°29 | 4°13 | 18°51 | 15°46 | 10°40 | 26° 2 | 14°21 | 2°23 | 28°47 | 25°46 | 26° 0 | 9°25 | n.a. | S 11 |
| S 12 | 12 14 56 | 4°48'08 | 26°49 | 6°24 | 19°45 | 16°23 | 10°52 | 26° 8 | 14°19 | 2°22 | 28°45 | 25°38 | 25°57 | 9°32 | n.a. | S 12 |
| M13 | 12 18 52 | 5°45'28 | 9♓27 | 8°36 | 20°39 | 17° 0 | 11° 5 | 26°14 | 14°16 | 2°20 | 28°44 | 25°28 | 25°54 | 9°39 | n.a. | M13 |
| T 14 | 12 22 49 | 6°42'48 | 22°23 | 10°47 | 21°32 | 17°37 | 11°17 | 26°19 | 14°14 | 2°19 | 28°43 | 25°16 | 25°50 | 9°45 | n.a. | T 14 |
| W15 | 12 26 45 | 7°40'07 | 5♈37 | 12°57 | 22°24 | 18°13 | 11°29 | 26°25 | 14°12 | 2°18 | 28°42 | 25° 4 | 25°47 | 9°52 | n.a. | W15 |
| T 16 | 12 30 42 | 8°37'24 | 19° 7 | 15° 6 | 23°16 | 18°50 | 11°41 | 26°31 | 14°10 | 2°16 | 28°40 | 24°52 | 25°44 | 9°59 | n.a. | T 16 |
| F 17 | 12 34 38 | 9°34'41 | 2♉51 | 17°14 | 24° 8 | 19°27 | 11°54 | 26°37 | 14° 7 | 2°15 | 28°39 | 24°43 | 25°41 | 10° 5 | n.a. | F 17 |
| S 18 | 12 38 35 | 10°31'57 | 16°44 | 19°21 | 24°59 | 20° 4 | 12° 6 | 26°44 | 14° 5 | 2°13 | 28°38 | 24°36 | 25°38 | 10°12 | n.a. | S 18 |
| S 19 | 12 42 31 | 11°29'11 | 0♊45 | 21°26 | 25°49 | 20°41 | 12°18 | 26°50 | 14° 3 | 2°12 | 28°37 | 24°31 | 25°35 | 10°19 | n.a. | S 19 |
| M20 | 12 46 28 | 12°26'25 | 14°51 | 23°29 | 26°38 | 21°18 | 12°31 | 26°56 | 14° 1 | 2°10 | 28°36 | 24°29 | 25°31 | 10°25 | n.a. | M20 |
| T 21 | 12 50 25 | 13°23'38 | 28°58 | 25°30 | 27°26 | 21°55 | 12°44 | 27° 2 | 13°59 | 2° 9 | 28°35 | 24°D29 | 25°28 | 10°32 | n.a. | T 21 |
| W22 | 12 54 21 | 14°20'49 | 13♋ 6 | 27°30 | 28°14 | 22°32 | 12°56 | 27° 9 | 13°57 | 2° 7 | 28°34 | 24°R29 | 25°25 | 10°39 | n.a. | W22 |
| T 23 | 12 58 18 | 15°18'00 | 27°14 | 29°27 | 29° 1 | 23° 9 | 13° 9 | 27°15 | 13°55 | 2° 6 | 28°33 | 24°29 | 25°22 | 10°45 | n.a. | T 23 |
| F 24 | 13 2 14 | 16°15'09 | 11♌20 | 1♉22 | 29°47 | 23°46 | 13°21 | 27°22 | 13°53 | 2° 4 | 28°32 | 24°27 | 25°19 | 10°52 | n.a. | F 24 |
| S 25 | 13 6 11 | 17°12'17 | 25°24 | 3°14 | 0♊33 | 24°23 | 13°34 | 27°28 | 13°51 | 2° 3 | 28°31 | 24°22 | 25°16 | 10°59 | n.a. | S 25 |
| S 26 | 13 10 7 | 18° 9'25 | 9♍21 | 5° 4 | 1°17 | 25° 0 | 13°47 | 27°35 | 13°49 | 2° 1 | 28°30 | 24°15 | 25°12 | 11° 5 | n.a. | S 26 |
| M27 | 13 14 4 | 19° 6'31 | 23°10 | 6°52 | 2° 0 | 25°37 | 14° 0 | 27°41 | 13°47 | 2° 0 | 28°29 | 24° 6 | 25° 9 | 11°12 | n.a. | M27 |
| T 28 | 13 18 0 | 20° 3'37 | 6♎48 | 8°37 | 2°43 | 26°14 | 14°12 | 27°48 | 13°45 | 1°58 | 28°28 | 23°56 | 25° 6 | 11°19 | n.a. | T 28 |
| W29 | 13 21 57 | 21° 0'42 | 20°10 | 10°20 | 3°24 | 26°51 | 14°25 | 27°55 | 13°43 | 1°56 | 28°27 | 23°45 | 25° 3 | 11°25 | n.a. | W29 |
| T 30 | 13 25 54 | 21♈57'47 | 3♏16 | 12♉ 0 | 4♊ 5 | 27♉28 | 14♉38 | 28♉ 1 | 13♍41 | 1♏55 | 28♌26 | 23♐36 | 25♐ 0 | 11♑32 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 2s19 | 9s 6 | 4s50 | 8s10 | 1s30 | 17n56 | 3n13 | 15n58 | 1n 2 | 14n23 | 0s20 | 18n41 | 0s46 | 6n51 | 0n48 | 10s54 | 1n50 | 28n35 | 17n49 | 23s52 | 23s52 | 22s36 | | n.a. |
| T 2 | 1 56 | 13 56 | 4 24 | 7 15 | 1 22 | 18 17 | 3 15 | 16 11 | 1 2 | 14 27 | 0 19 | 18 43 | 0 46 | 6 52 | 0 48 | 10 54 | 1 50 | 28 35 | 17 49 | 23 52 | 23 52 | 22 35 | | n.a. |
| F 3 | 1 33 | 17 58 | 3 45 | 6 19 | 1 13 | 18 39 | 3 18 | 16 23 | 1 3 | 14 31 | 0 19 | 18 44 | 0 46 | 6 53 | 0 48 | 10 53 | 1 50 | 28 36 | 17 48 | 23 52 | 23 52 | 22 34 | | n.a. |
| S 4 | 1 9 | 21 4 | 2 56 | 5 21 | 1 4 | 18 59 | 3 20 | 16 35 | 1 3 | 14 35 | 0 19 | 18 45 | 0 46 | 6 54 | 0 48 | 10 53 | 1 50 | 28 36 | 17 48 | 23 52 | 23 52 | 22 32 | | n.a. |
| S 5 | 0 46 | 23 6 | 1 59 | 4 22 | 0 55 | 19 20 | 3 22 | 16 46 | 1 3 | 14 39 | 0 19 | 18 47 | 0 46 | 6 55 | 0 47 | 10 52 | 1 50 | 28 36 | 17 48 | 23 51 | 23 52 | 22 31 | | n.a. |
| M 6 | 0 23 | 24 1 | 0 58 | 3 22 | 0 45 | 19 39 | 3 24 | 16 58 | 1 3 | 14 43 | 0 19 | 18 48 | 0 45 | 6 56 | 0 47 | 10 52 | 1 50 | 28 36 | 17 48 | 23 51 | 23 52 | 22 30 | | n.a. |
| T 7 | 0n 0 | 23 48 | 0n 5 | 2 21 | 0 35 | 19 59 | 3 26 | 17 10 | 1 4 | 14 46 | 0 19 | 18 50 | 0 45 | 6 57 | 0 47 | 10 51 | 1 50 | 28 37 | 17 47 | 23 51 | 23 52 | 22 28 | | n.a. |
| W 8 | 0 24 | 22 31 | 1 7 | 1 19 | 0 25 | 20 18 | 3 28 | 17 21 | 1 4 | 14 50 | 0 19 | 18 51 | 0 45 | 6 58 | 0 47 | 10 51 | 1 50 | 28 37 | 17 47 | 23 51 | 23 52 | 22 27 | | n.a. |
| T 9 | 0 47 | 20 15 | 2 6 | 0 17 | 0 14 | 20 36 | 3 30 | 17 33 | 1 4 | 14 54 | 0 18 | 18 53 | 0 45 | 6 59 | 0 47 | 10 50 | 1 50 | 28 37 | 17 47 | 23 51 | 23 52 | 22 26 | | n.a. |
| F 10 | 1 10 | 17 6 | 3 0 | 0n46 | 0 4 | 20 54 | 3 32 | 17 44 | 1 4 | 14 58 | 0 18 | 18 54 | 0 45 | 6 59 | 0 47 | 10 50 | 1 50 | 28 37 | 17 46 | 23 51 | 23 52 | 22 24 | | n.a. |
| S 11 | 1 34 | 13 12 | 3 47 | 1 49 | 0n 7 | 21 11 | 3 33 | 17 55 | 1 5 | 15 2 | 0 18 | 18 56 | 0 45 | 7 0 | 0 47 | 10 49 | 1 50 | 28 38 | 17 46 | 23 51 | 23 52 | 22 23 | | n.a. |
| S 12 | 1 57 | 8 41 | 4 24 | 2 51 | 0 17 | 21 28 | 3 34 | 18 6 | 1 5 | 15 6 | 0 18 | 18 57 | 0 44 | 7 1 | 0 47 | 10 49 | 1 50 | 28 38 | 17 46 | 23 51 | 23 51 | 22 22 | | n.a. |
| M13 | 2 20 | 3 43 | 4 50 | 3 54 | 0 28 | 21 44 | 3 36 | 18 17 | 1 5 | 15 10 | 0 18 | 18 59 | 0 44 | 7 2 | 0 47 | 10 48 | 1 50 | 28 38 | 17 45 | 23 51 | 23 51 | 22 20 | | n.a. |
| T 14 | 2 43 | 1n30 | 5 1 | 4 56 | 0 38 | 21 59 | 3 37 | 18 28 | 1 5 | 15 14 | 0 18 | 19 0 | 0 44 | 7 3 | 0 47 | 10 48 | 1 50 | 28 38 | 17 45 | 23 50 | 23 51 | 22 19 | | n.a. |
| W15 | 3 6 | 6 47 | 4 56 | 5 57 | 0 48 | 22 14 | 3 38 | 18 39 | 1 6 | 15 18 | 0 18 | 19 2 | 0 44 | 7 4 | 0 47 | 10 47 | 1 50 | 28 38 | 17 44 | 23 50 | 23 51 | 22 18 | | n.a. |
| T 16 | 3 29 | 11 51 | 4 35 | 6 57 | 0 57 | 22 29 | 3 38 | 18 50 | 1 6 | 15 22 | 0 17 | 19 3 | 0 44 | 7 5 | 0 47 | 10 47 | 1 50 | 28 38 | 17 44 | 23 49 | 23 51 | 22 16 | | n.a. |
| F 17 | 3 52 | 16 25 | 3 58 | 7 55 | 1 7 | 22 43 | 3 39 | 19 0 | 1 6 | 15 26 | 0 17 | 19 5 | 0 44 | 7 6 | 0 47 | 10 46 | 1 50 | 28 38 | 17 44 | 23 49 | 23 51 | 22 15 | | n.a. |
| S 18 | 4 15 | 20 8 | 3 6 | 8 53 | 1 16 | 22 56 | 3 40 | 19 11 | 1 6 | 15 30 | 0 17 | 19 7 | 0 44 | 7 6 | 0 47 | 10 46 | 1 50 | 28 38 | 17 43 | 23 49 | 23 51 | 22 14 | | n.a. |
| S 19 | 4 38 | 22 43 | 2 2 | 9 49 | 1 24 | 23 9 | 3 40 | 19 21 | 1 6 | 15 34 | 0 17 | 19 8 | 0 43 | 7 7 | 0 47 | 10 45 | 1 50 | 28 38 | 17 43 | 23 48 | 23 51 | 22 12 | | n.a. |
| M20 | 5 1 | 23 53 | 0 51 | 10 43 | 1 32 | 23 21 | 3 40 | 19 31 | 1 7 | 15 38 | 0 17 | 19 10 | 0 43 | 7 8 | 0 47 | 10 45 | 1 50 | 28 38 | 17 42 | 23 48 | 23 51 | 22 11 | | n.a. |
| T 21 | 5 23 | 23 31 | 0s24 | 11 35 | 1 39 | 23 33 | 3 40 | 19 41 | 1 7 | 15 42 | 0 17 | 19 11 | 0 43 | 7 9 | 0 47 | 10 44 | 1 50 | 28 38 | 17 42 | 23 48 | 23 51 | 22 9 | | n.a. |
| W22 | 5 46 | 21 39 | 1 37 | 12 26 | 1 46 | 23 44 | 3 40 | 19 51 | 1 7 | 15 46 | 0 17 | 19 13 | 0 43 | 7 10 | 0 47 | 10 44 | 1 51 | 28 38 | 17 42 | 23 48 | 23 50 | 22 8 | | n.a. |
| T 23 | 6 9 | 18 26 | 2 45 | 13 14 | 1 52 | 23 54 | 3 39 | 20 1 | 1 7 | 15 50 | 0 17 | 19 15 | 0 43 | 7 10 | 0 47 | 10 43 | 1 51 | 28 38 | 17 41 | 23 48 | 23 50 | 22 7 | | n.a. |
| F 24 | 6 31 | 14 10 | 3 42 | 14 0 | 1 57 | 24 4 | 3 39 | 20 10 | 1 7 | 15 54 | 0 16 | 19 16 | 0 43 | 7 11 | 0 47 | 10 42 | 1 51 | 28 38 | 17 41 | 23 48 | 23 50 | 22 5 | | n.a. |
| S 25 | 6 53 | 9 9 | 4 26 | 14 44 | 2 2 | 24 13 | 3 38 | 20 20 | 1 7 | 15 58 | 0 16 | 19 18 | 0 43 | 7 12 | 0 47 | 10 42 | 1 51 | 28 38 | 17 40 | 23 48 | 23 50 | 22 4 | | n.a. |
| S 26 | 7 16 | 3 42 | 4 53 | 15 26 | 2 6 | 24 22 | 3 37 | 20 29 | 1 8 | 16 2 | 0 16 | 19 20 | 0 43 | 7 13 | 0 47 | 10 41 | 1 51 | 28 38 | 17 40 | 23 48 | 23 50 | 22 2 | | n.a. |
| M27 | 7 38 | 1s52 | 5 3 | 16 6 | 2 9 | 24 30 | 3 36 | 20 39 | 1 8 | 16 6 | 0 16 | 19 21 | 0 42 | 7 13 | 0 47 | 10 41 | 1 51 | 28 38 | 17 39 | 23 47 | 23 50 | 22 1 | | n.a. |
| T 28 | 8 0 | 7 16 | 4 56 | 16 44 | 2 11 | 24 37 | 3 34 | 20 48 | 1 8 | 16 10 | 0 16 | 19 23 | 0 42 | 7 14 | 0 47 | 10 40 | 1 51 | 28 38 | 17 39 | 23 47 | 23 50 | 22 0 | | n.a. |
| W29 | 8 22 | 12 13 | 4 32 | 17 19 | 2 13 | 24 44 | 3 32 | 20 57 | 1 8 | 16 14 | 0 16 | 19 25 | 0 42 | 7 15 | 0 47 | 10 40 | 1 51 | 28 38 | 17 38 | 23 46 | 23 50 | 21 58 | | n.a. |
| T 30 | 8n43 | 16s31 | 3s54 | 17n52 | 2n15 | 24n50 | 3n30 | 21n 6 | 1n 8 | 16n18 | 0s16 | 19n26 | 0s42 | 7n16 | 0n47 | 10s39 | 1n51 | 28n38 | 17n38 | 23s46 | 23s49 | 21s57 | | n.a. |

Julian Day Number = 1000875.5, Delta T = 12h51m21s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'20, Lahiri = -31°09'19 Julian Calendar 1 Apr. 1973 BCE == Greg. Calendar 15 March 1973 BCE


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## MAY 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 29 50 | 22♈54'51 | 16♏ 4 | 13♉37 | 4♊44 | 28♉ 5 | 14♉51 | 28♉ 8 | 13°R40 | 1°R53 | 28°R25 | 23°R29 | 24♐56 | 11♑38 | n.a. | F 1 |
| S 2 | 13 33 47 | 23°51'55 | 28°34 | 15°12 | 5°22 | 28°42 | 15° 4 | 28°15 | 13♍38 | 1♏52 | 28♌25 | 23♐24 | 24°53 | 11°45 | n.a. | S 2 |
| S 3 | 13 37 43 | 24°48'59 | 10♐48 | 16°45 | 6° 0 | 29°19 | 15°17 | 28°22 | 13°36 | 1°50 | 28°24 | 23°21 | 24°50 | 11°52 | n.a. | S 3 |
| M 4 | 13 41 40 | 25°46'02 | 22°50 | 18°15 | 6°35 | 29°56 | 15°30 | 28°29 | 13°34 | 1°48 | 28°23 | 23°D20 | 24°47 | 11°58 | n.a. | M 4 |
| T 5 | 13 45 36 | 26°43'06 | 4♑43 | 19°42 | 7°10 | 0♊33 | 15°43 | 28°36 | 13°33 | 1°47 | 28°22 | 23°20 | 24°44 | 12° 5 | n.a. | T 5 |
| W 6 | 13 49 33 | 27°40'09 | 16°32 | 21° 7 | 7°43 | 1°11 | 15°56 | 28°43 | 13°31 | 1°45 | 28°22 | 23°21 | 24°41 | 12°12 | n.a. | W 6 |
| T 7 | 13 53 30 | 28°37'12 | 28°22 | 22°29 | 8°15 | 1°48 | 16° 9 | 28°50 | 13°30 | 1°44 | 28°21 | 23°R22 | 24°37 | 12°18 | n.a. | T 7 |
| F 8 | 13 57 26 | 29°34'15 | 10♒19 | 23°49 | 8°46 | 2°25 | 16°23 | 28°57 | 13°28 | 1°42 | 28°21 | 23°21 | 24°34 | 12°25 | n.a. | F 8 |
| S 9 | 14 1 23 | 0♉31'19 | 22°27 | 25° 5 | 9°15 | 3° 2 | 16°36 | 29° 4 | 13°27 | 1°40 | 28°20 | 23°19 | 24°31 | 12°32 | n.a. | S 9 |
| S 10 | 14 5 19 | 1°28'22 | 4♓52 | 26°19 | 9°43 | 3°39 | 16°49 | 29°11 | 13°25 | 1°39 | 28°20 | 23°14 | 24°28 | 12°38 | n.a. | S 10 |
| M11 | 14 9 16 | 2°25'26 | 17°35 | 27°30 | 10° 9 | 4°17 | 17° 2 | 29°19 | 13°24 | 1°37 | 28°19 | 23° 8 | 24°25 | 12°45 | n.a. | M11 |
| T 12 | 14 13 12 | 3°22'29 | 0♈41 | 28°38 | 10°34 | 4°54 | 17°15 | 29°26 | 13°23 | 1°36 | 28°19 | 23° 0 | 24°21 | 12°52 | n.a. | T 12 |
| W13 | 14 17 9 | 4°19'33 | 14° 9 | 29°43 | 10°56 | 5°31 | 17°29 | 29°33 | 13°21 | 1°34 | 28°18 | 22°52 | 24°18 | 12°58 | n.a. | W13 |
| T 14 | 14 21 5 | 5°16'36 | 27°57 | 0♊46 | 11°18 | 6° 9 | 17°42 | 29°40 | 13°20 | 1°32 | 28°18 | 22°45 | 24°15 | 13° 5 | n.a. | T 14 |
| F 15 | 14 25 2 | 6°13'40 | 12♉ 3 | 1°44 | 11°37 | 6°46 | 17°55 | 29°48 | 13°19 | 1°31 | 28°17 | 22°38 | 24°12 | 13°12 | n.a. | F 15 |
| S 16 | 14 28 59 | 7°10'44 | 26°21 | 2°40 | 11°54 | 7°23 | 18° 9 | 29°55 | 13°18 | 1°29 | 28°17 | 22°34 | 24° 9 | 13°18 | n.a. | S 16 |
| S 17 | 14 32 55 | 8° 7'48 | 10♊47 | 3°33 | 12°10 | 8° 1 | 18°22 | 0♊ 2 | 13°17 | 1°27 | 28°17 | 22°31 | 24° 6 | 13°25 | n.a. | S 17 |
| M18 | 14 36 52 | 9° 4'51 | 25°15 | 4°21 | 12°24 | 8°38 | 18°35 | 0°10 | 13°16 | 1°26 | 28°16 | 22°D31 | 24° 2 | 13°32 | n.a. | M18 |
| T 19 | 14 40 48 | 10° 1'55 | 9♋41 | 5° 7 | 12°35 | 9°15 | 18°49 | 0°17 | 13°15 | 1°24 | 28°16 | 22°32 | 23°59 | 13°38 | n.a. | T 19 |
| W20 | 14 44 45 | 10°58'59 | 24° 0 | 5°48 | 12°45 | 9°53 | 19° 2 | 0°25 | 13°14 | 1°23 | 28°16 | 22°33 | 23°56 | 13°45 | n.a. | W20 |
| T 21 | 14 48 41 | 11°56'02 | 8♌11 | 6°26 | 12°52 | 10°30 | 19°15 | 0°32 | 13°13 | 1°21 | 28°16 | 22°R34 | 23°53 | 13°52 | n.a. | T 21 |
| F 22 | 14 52 38 | 12°53'05 | 22°12 | 7° 0 | 12°58 | 11° 8 | 19°29 | 0°40 | 13°12 | 1°20 | 28°16 | 22°34 | 23°50 | 13°58 | n.a. | F 22 |
| S 23 | 14 56 35 | 13°50'09 | 6♍ 3 | 7°30 | 13° 0 | 11°45 | 19°42 | 0°47 | 13°11 | 1°18 | 28°16 | 22°32 | 23°47 | 14° 5 | n.a. | S 23 |
| S 24 | 15 0 31 | 14°47'12 | 19°41 | 7°55 | 13°R 1 | 12°23 | 19°56 | 0°55 | 13°10 | 1°16 | 28°16 | 22°28 | 23°43 | 14°12 | n.a. | S 24 |
| M25 | 15 4 28 | 15°44'15 | 3♎ 7 | 8°16 | 13° 0 | 13° 0 | 20° 9 | 1° 2 | 13° 9 | 1°15 | 28°16 | 22°23 | 23°40 | 14°18 | n.a. | M25 |
| T 26 | 15 8 24 | 16°41'19 | 16°20 | 8°33 | 12°55 | 13°38 | 20°22 | 1°10 | 13° 9 | 1°13 | 28°D16 | 22°18 | 23°37 | 14°25 | n.a. | T 26 |
| W27 | 15 12 21 | 17°38'22 | 29°19 | 8°45 | 12°49 | 14°15 | 20°36 | 1°18 | 13° 8 | 1°12 | 28°16 | 22°12 | 23°34 | 14°31 | n.a. | W27 |
| T 28 | 15 16 17 | 18°35'26 | 12♏ 4 | 8°52 | 12°40 | 14°53 | 20°49 | 1°25 | 13° 8 | 1°10 | 28°16 | 22° 7 | 23°31 | 14°38 | n.a. | T 28 |
| F 29 | 15 20 14 | 19°32'31 | 24°36 | 8°R54 | 12°29 | 15°30 | 21° 3 | 1°33 | 13° 7 | 1° 9 | 28°16 | 22° 3 | 23°27 | 14°45 | n.a. | F 29 |
| S 30 | 15 24 10 | 20°29'36 | 6♐54 | 8°52 | 12°16 | 16° 8 | 21°16 | 1°41 | 13° 7 | 1° 7 | 28°16 | 22° 0 | 23°24 | 14°51 | n.a. | S 30 |
| S 31 | 15 28 7 | 21♉26'42 | 19♐ 0 | 8♊45 | 12♊ 0 | 16♊45 | 21♉30 | 1♊48 | 13♍ 6 | 1♏ 6 | 28♌16 | 21°D59 | 23♐21 | 14♑58 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 9n 5 | 19s56 | 3s 6 | 18n23 | 2n15 | 24n55 | 3n28 | 21n15 | 1n 8 | 16n22 | 0s16 | 19n28 | 0s42 | 7n16 | 0n47 | 10s39 | 1n51 | 28n38 | 17n37 | 23s45 | 23s49 | 21s55 | | n.a. |
| S 2 | 9 27 | 22 20 | 2 9 | 18 52 | 2 15 | 25 0 | 3 26 | 21 23 | 1 9 | 16 26 | 0 15 | 19 30 | 0 42 | 7 17 | 0 47 | 10 38 | 1 51 | 28 38 | 17 37 | 23 45 | 23 49 | 21 54 | | n.a. |
| S 3 | 9 48 | 23 37 | 1 7 | 19 19 | 2 14 | 25 4 | 3 23 | 21 32 | 1 9 | 16 30 | 0 15 | 19 31 | 0 42 | 7 17 | 0 47 | 10 37 | 1 51 | 28 37 | 17 36 | 23 45 | 23 49 | 21 53 | | n.a. |
| M 4 | 10 9 | 23 46 | 0 3 | 19 43 | 2 12 | 25 8 | 3 20 | 21 40 | 1 9 | 16 34 | 0 15 | 19 33 | 0 41 | 7 18 | 0 47 | 10 37 | 1 51 | 28 37 | 17 36 | 23 45 | 23 49 | 21 51 | | n.a. |
| T 5 | 10 30 | 22 49 | 1n 1 | 20 6 | 2 10 | 25 11 | 3 17 | 21 48 | 1 9 | 16 38 | 0 15 | 19 35 | 0 41 | 7 19 | 0 47 | 10 36 | 1 51 | 28 37 | 17 35 | 23 45 | 23 49 | 21 50 | | n.a. |
| W 6 | 10 51 | 20 52 | 2 1 | 20 26 | 2 7 | 25 13 | 3 13 | 21 56 | 1 9 | 16 42 | 0 15 | 19 36 | 0 41 | 7 19 | 0 47 | 10 36 | 1 51 | 28 37 | 17 35 | 23 45 | 23 49 | 21 48 | | n.a. |
| T 7 | 11 12 | 18 1 | 2 57 | 20 45 | 2 3 | 25 15 | 3 10 | 22 4 | 1 9 | 16 46 | 0 15 | 19 38 | 0 41 | 7 20 | 0 47 | 10 35 | 1 51 | 28 36 | 17 34 | 23 45 | 23 49 | 21 47 | | n.a. |
| F 8 | 11 33 | 14 24 | 3 45 | 21 1 | 1 59 | 25 16 | 3 6 | 22 12 | 1 9 | 16 50 | 0 15 | 19 40 | 0 41 | 7 20 | 0 47 | 10 35 | 1 51 | 28 36 | 17 34 | 23 45 | 23 48 | 21 45 | | n.a. |
| S 9 | 11 53 | 10 9 | 4 24 | 21 16 | 1 54 | 25 16 | 3 1 | 22 19 | 1 10 | 16 54 | 0 15 | 19 41 | 0 41 | 7 21 | 0 47 | 10 34 | 1 51 | 28 36 | 17 33 | 23 45 | 23 48 | 21 44 | | n.a. |
| S 10 | 12 13 | 5 24 | 4 52 | 21 28 | 1 48 | 25 16 | 2 56 | 22 27 | 1 10 | 16 58 | 0 14 | 19 43 | 0 41 | 7 21 | 0 47 | 10 34 | 1 51 | 28 36 | 17 33 | 23 45 | 23 48 | 21 42 | | n.a. |
| M11 | 12 33 | 0 19 | 5 6 | 21 39 | 1 42 | 25 15 | 2 51 | 22 34 | 1 10 | 17 2 | 0 14 | 19 45 | 0 41 | 7 22 | 0 47 | 10 33 | 1 51 | 28 35 | 17 32 | 23 44 | 23 48 | 21 41 | | n.a. |
| T 12 | 12 53 | 4n55 | 5 5 | 21 48 | 1 35 | 25 13 | 2 46 | 22 41 | 1 10 | 17 6 | 0 14 | 19 47 | 0 40 | 7 22 | 0 47 | 10 32 | 1 51 | 28 35 | 17 32 | 23 44 | 23 48 | 21 39 | | n.a. |
| W13 | 13 13 | 10 4 | 4 47 | 21 55 | 1 28 | 25 11 | 2 40 | 22 48 | 1 10 | 17 10 | 0 14 | 19 48 | 0 40 | 7 23 | 0 46 | 10 32 | 1 51 | 28 35 | 17 31 | 23 43 | 23 48 | 21 38 | | n.a. |
| T 14 | 13 33 | 14 52 | 4 12 | 22 1 | 1 19 | 25 8 | 2 34 | 22 55 | 1 10 | 17 14 | 0 14 | 19 50 | 0 40 | 7 23 | 0 46 | 10 31 | 1 51 | 28 34 | 17 31 | 23 43 | 23 48 | 21 36 | | n.a. |
| F 15 | 13 52 | 18 56 | 3 21 | 22 4 | 1 10 | 25 4 | 2 28 | 23 2 | 1 10 | 17 18 | 0 14 | 19 52 | 0 40 | 7 24 | 0 46 | 10 31 | 1 51 | 28 34 | 17 30 | 23 43 | 23 47 | 21 35 | | n.a. |
| S 16 | 14 11 | 21 56 | 2 17 | 22 7 | 1 1 | 25 0 | 2 21 | 23 8 | 1 10 | 17 22 | 0 14 | 19 53 | 0 40 | 7 24 | 0 46 | 10 30 | 1 51 | 28 34 | 17 30 | 23 42 | 23 47 | 21 33 | | n.a. |
| S 17 | 14 30 | 23 33 | 1 3 | 22 7 | 0 51 | 24 55 | 2 14 | 23 15 | 1 10 | 17 25 | 0 14 | 19 55 | 0 40 | 7 25 | 0 46 | 10 30 | 1 50 | 28 33 | 17 29 | 23 42 | 23 47 | 21 32 | | n.a. |
| M18 | 14 49 | 23 35 | 0s15 | 22 6 | 0 40 | 24 49 | 2 6 | 23 21 | 1 11 | 17 29 | 0 13 | 19 57 | 0 40 | 7 25 | 0 46 | 10 29 | 1 50 | 28 33 | 17 28 | 23 42 | 23 47 | 21 30 | | n.a. |
| T 19 | 15 7 | 22 2 | 1 32 | 22 3 | 0 29 | 24 43 | 1 58 | 23 27 | 1 11 | 17 33 | 0 13 | 19 58 | 0 40 | 7 25 | 0 46 | 10 29 | 1 50 | 28 32 | 17 28 | 23 42 | 23 47 | 21 29 | | n.a. |
| W20 | 15 25 | 19 4 | 2 43 | 21 59 | 0 17 | 24 36 | 1 50 | 23 33 | 1 11 | 17 37 | 0 13 | 20 0 | 0 40 | 7 26 | 0 46 | 10 28 | 1 50 | 28 32 | 17 27 | 23 42 | 23 47 | 21 27 | | n.a. |
| T 21 | 15 43 | 15 0 | 3 43 | 21 54 | 0 5 | 24 28 | 1 41 | 23 38 | 1 11 | 17 41 | 0 13 | 20 2 | 0 39 | 7 26 | 0 46 | 10 27 | 1 50 | 28 31 | 17 27 | 23 42 | 23 47 | 21 26 | | n.a. |
| F 22 | 16 1 | 10 10 | 4 29 | 21 47 | 0s 8 | 24 19 | 1 32 | 23 44 | 1 11 | 17 45 | 0 13 | 20 4 | 0 39 | 7 26 | 0 46 | 10 27 | 1 50 | 28 31 | 17 26 | 23 42 | 23 46 | 21 24 | | n.a. |
| S 23 | 16 19 | 4 52 | 4 58 | 21 39 | 0 21 | 24 10 | 1 22 | 23 49 | 1 11 | 17 48 | 0 13 | 20 5 | 0 39 | 7 27 | 0 46 | 10 26 | 1 50 | 28 31 | 17 26 | 23 42 | 23 46 | 21 23 | | n.a. |
| S 24 | 16 36 | 0s35 | 5 10 | 21 30 | 0 35 | 24 0 | 1 12 | 23 54 | 1 11 | 17 52 | 0 13 | 20 7 | 0 39 | 7 27 | 0 46 | 10 26 | 1 50 | 28 30 | 17 25 | 23 42 | 23 46 | 21 21 | | n.a. |
| M25 | 16 53 | 5 55 | 5 5 | 21 19 | 0 49 | 23 50 | 1 1 | 23 59 | 1 11 | 17 56 | 0 13 | 20 9 | 0 39 | 7 27 | 0 46 | 10 25 | 1 50 | 28 30 | 17 25 | 23 42 | 23 46 | 21 20 | | n.a. |
| T 26 | 17 10 | 10 54 | 4 44 | 21 8 | 1 3 | 23 39 | 0 51 | 24 4 | 1 11 | 18 0 | 0 13 | 20 10 | 0 39 | 7 27 | 0 46 | 10 25 | 1 50 | 28 29 | 17 24 | 23 42 | 23 46 | 21 18 | | n.a. |
| W27 | 17 26 | 15 19 | 4 9 | 20 55 | 1 18 | 23 27 | 0 39 | 24 9 | 1 11 | 18 4 | 0 12 | 20 12 | 0 39 | 7 28 | 0 46 | 10 24 | 1 50 | 28 28 | 17 23 | 23 41 | 23 46 | 21 17 | | n.a. |
| T 28 | 17 42 | 18 57 | 3 21 | 20 41 | 1 33 | 23 14 | 0 28 | 24 13 | 1 11 | 18 7 | 0 12 | 20 14 | 0 39 | 7 28 | 0 46 | 10 24 | 1 50 | 28 28 | 17 23 | 23 41 | 23 46 | 21 15 | | n.a. |
| F 29 | 17 58 | 21 38 | 2 24 | 20 27 | 1 48 | 23 1 | 0 16 | 24 18 | 1 11 | 18 11 | 0 12 | 20 15 | 0 39 | 7 28 | 0 46 | 10 23 | 1 50 | 28 27 | 17 22 | 23 41 | 23 45 | 21 14 | | n.a. |
| S 30 | 18 14 | 23 14 | 1 22 | 20 12 | 2 3 | 22 47 | 0 4 | 24 22 | 1 11 | 18 15 | 0 12 | 20 17 | 0 39 | 7 28 | 0 46 | 10 23 | 1 50 | 28 27 | 17 22 | 23 40 | 23 45 | 21 12 | | n.a. |
| S 31 | 18n29 | 23s44 | 0s16 | 19n56 | 2s18 | 22n32 | 0s 9 | 24n26 | 1n12 | 18n18 | 0s12 | 20n19 | 0s38 | 7n28 | 0n46 | 10s22 | 1n50 | 28n26 | 17n21 | 23s40 | 23s45 | 21s10 | | n.a. |

Julian Day Number = 1000905.5, Delta T = 12h51m19s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'16, Lahiri = -31°09'15 Julian Calendar 1 May 1973 BCE == Greg. Calendar 14 Apr. 1973 BCE

The year -1972 astronomical counting style corresponds to year 1973 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## JUNE 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 32 4 | 22♉23'49 | 0♋58 | 8°R33 | 11°R42 | 17♊23 | 21♉43 | 1♊56 | 13°R 6 | 1°R 4 | 28♌16 | 22♐ 0 | 23♐18 | 15♋ 5 | n.a. | M 1 |
| T 2 | 15 36 0 | 23°20'56 | 12°48 | 8♊17 | 11♊21 | 18° 1 | 21°56 | 2° 4 | 13♍ 5 | 1♏ 3 | 28°16 | 22° 1 | 23°15 | 15°11 | n.a. | T 2 |
| W 3 | 15 39 57 | 24°18'04 | 24°37 | 7°56 | 10°59 | 18°38 | 22°10 | 2°11 | 13° 5 | 1° 1 | 28°17 | 22° 3 | 23°12 | 15°18 | n.a. | W 3 |
| T 4 | 15 43 53 | 25°15'13 | 6♒27 | 7°30 | 10°34 | 19°16 | 22°23 | 2°19 | 13° 5 | 1° 0 | 28°17 | 22° 4 | 23° 8 | 15°25 | n.a. | T 4 |
| F 5 | 15 47 50 | 26°12'23 | 18°24 | 7° 1 | 10° 7 | 19°54 | 22°37 | 2°27 | 13° 5 | 0°58 | 28°17 | 22° 5 | 23° 5 | 15°31 | n.a. | F 5 |
| S 6 | 15 51 46 | 27° 9'34 | 0♓32 | 6°28 | 9°39 | 20°31 | 22°50 | 2°34 | 13° 5 | 0°57 | 28°18 | 22°R 5 | 23° 2 | 15°38 | n.a. | S 6 |
| S 7 | 15 55 43 | 28° 6'46 | 12°55 | 5°52 | 9° 9 | 21° 9 | 23° 4 | 2°42 | 13° 5 | 0°56 | 28°18 | 22° 5 | 22°59 | 15°45 | n.a. | S 7 |
| M 8 | 15 59 40 | 29° 3'59 | 25°39 | 5°13 | 8°37 | 21°47 | 23°17 | 2°50 | 13°D 5 | 0°54 | 28°19 | 22° 3 | 22°56 | 15°51 | n.a. | M 8 |
| T 9 | 16 3 36 | 0♊ 1'14 | 8♈46 | 4°32 | 8° 4 | 22°25 | 23°30 | 2°58 | 13° 5 | 0°53 | 28°19 | 22° 0 | 22°53 | 15°58 | n.a. | T 9 |
| W10 | 16 7 33 | 0°58'29 | 22°19 | 3°50 | 7°29 | 23° 3 | 23°44 | 3° 5 | 13° 5 | 0°51 | 28°20 | 21°57 | 22°49 | 16° 5 | n.a. | W10 |
| T 11 | 16 11 29 | 1°55'45 | 6♉16 | 3° 7 | 6°54 | 23°40 | 23°57 | 3°13 | 13° 5 | 0°50 | 28°20 | 21°55 | 22°46 | 16°11 | n.a. | T 11 |
| F 12 | 16 15 26 | 2°53'03 | 20°35 | 2°24 | 6°18 | 24°18 | 24°10 | 3°21 | 13° 5 | 0°49 | 28°21 | 21°52 | 22°43 | 16°18 | n.a. | F 12 |
| S 13 | 16 19 22 | 3°50'22 | 5♊12 | 1°42 | 5°42 | 24°56 | 24°24 | 3°29 | 13° 5 | 0°48 | 28°21 | 21°51 | 22°40 | 16°25 | n.a. | S 13 |
| S 14 | 16 23 19 | 4°47'41 | 20° 0 | 1° 2 | 5° 5 | 25°34 | 24°37 | 3°36 | 13° 6 | 0°46 | 28°22 | 21°D50 | 22°37 | 16°31 | n.a. | S 14 |
| M15 | 16 27 16 | 5°45'02 | 4♋52 | 0°24 | 4°28 | 26°12 | 24°50 | 3°44 | 13° 6 | 0°45 | 28°23 | 21°51 | 22°33 | 16°38 | n.a. | M15 |
| T 16 | 16 31 12 | 6°42'24 | 19°41 | 29♉49 | 3°51 | 26°50 | 25° 4 | 3°52 | 13° 6 | 0°44 | 28°23 | 21°51 | 22°30 | 16°45 | n.a. | T 16 |
| W17 | 16 35 9 | 7°39'46 | 4♌19 | 29°18 | 3°14 | 27°28 | 25°17 | 4° 0 | 13° 7 | 0°43 | 28°24 | 21°52 | 22°27 | 16°51 | n.a. | W17 |
| T 18 | 16 39 5 | 8°37'09 | 18°43 | 28°51 | 2°38 | 28° 6 | 25°30 | 4° 7 | 13° 7 | 0°41 | 28°25 | 21°53 | 22°24 | 16°58 | n.a. | T 18 |
| F 19 | 16 43 2 | 9°34'33 | 2♍49 | 28°29 | 2° 3 | 28°44 | 25°43 | 4°15 | 13° 8 | 0°40 | 28°26 | 21°54 | 22°21 | 17° 5 | n.a. | F 19 |
| S 20 | 16 46 58 | 10°31'58 | 16°36 | 28°13 | 1°29 | 29°22 | 25°57 | 4°23 | 13° 8 | 0°39 | 28°26 | 21°R54 | 22°18 | 17°11 | n.a. | S 20 |
| S 21 | 16 50 55 | 11°29'24 | 0♎ 5 | 28° 2 | 0°57 | 0♋ 0 | 26°10 | 4°31 | 13° 9 | 0°38 | 28°27 | 21°53 | 22°14 | 17°18 | n.a. | S 21 |
| M22 | 16 54 51 | 12°26'51 | 13°15 | 27°D58 | 0°25 | 0°38 | 26°23 | 4°38 | 13°10 | 0°37 | 28°28 | 21°53 | 22°11 | 17°25 | n.a. | M22 |
| T 23 | 16 58 48 | 13°24'18 | 26°10 | 28° 0 | 29♉56 | 1°17 | 26°36 | 4°46 | 13°11 | 0°36 | 28°29 | 21°51 | 22° 8 | 17°31 | n.a. | T 23 |
| W24 | 17 2 45 | 14°21'47 | 8♏49 | 28° 9 | 29°28 | 1°55 | 26°49 | 4°54 | 13°11 | 0°35 | 28°30 | 21°50 | 22° 5 | 17°38 | n.a. | W24 |
| T 25 | 17 6 41 | 15°19'17 | 21°15 | 28°24 | 29° 2 | 2°33 | 27° 2 | 5° 1 | 13°12 | 0°34 | 28°31 | 21°50 | 22° 2 | 17°45 | n.a. | T 25 |
| F 26 | 17 10 38 | 16°16'49 | 3♐30 | 28°47 | 28°37 | 3°11 | 27°15 | 5° 9 | 13°13 | 0°33 | 28°32 | 21°49 | 21°59 | 17°51 | n.a. | F 26 |
| S 27 | 17 14 34 | 17°14'22 | 15°36 | 29°16 | 28°16 | 3°49 | 27°28 | 5°17 | 13°14 | 0°32 | 28°33 | 21°49 | 21°55 | 17°58 | n.a. | S 27 |
| S 28 | 17 18 31 | 18°11'56 | 27°34 | 29°52 | 27°56 | 4°28 | 27°41 | 5°24 | 13°15 | 0°31 | 28°34 | 21°D49 | 21°52 | 18° 5 | n.a. | S 28 |
| M29 | 17 22 27 | 19° 9'32 | 9♋26 | 0♊35 | 27°39 | 5° 6 | 27°54 | 5°32 | 13°16 | 0°30 | 28°36 | 21°49 | 21°49 | 18°11 | n.a. | M29 |
| T 30 | 17 26 24 | 20♊ 7'09 | 21♋15 | 1♊25 | 27♉23 | 5♋44 | 28♉ 7 | 5♊40 | 13♍17 | 0♏29 | 28♌37 | 21♐49 | 21♐46 | 18♋18 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 18n44 | 23s 6 | 0n49 | 19n39 | 2s33 | 22n17 | 0s22 | 24n30 | 1n12 | 18n22 | 0s12 | 20n20 | 0s38 | 7n28 | 0n46 | 10s22 | 1n50 | 28n26 | 17n20 | 23s40 | 23s45 | 21s 9 | | n.a. |
| T 2 | 18 59 | 21 26 | 1 52 | 19 22 | 2 48 | 22 1 | 0 35 | 24 33 | 1 12 | 18 26 | 0 12 | 20 22 | 0 38 | 7 28 | 0 46 | 10 21 | 1 50 | 28 25 | 17 20 | 23 40 | 23 45 | 21 7 | | n.a. |
| W 3 | 19 14 | 18 51 | 2 50 | 19 5 | 3 2 | 21 44 | 0 49 | 24 37 | 1 12 | 18 29 | 0 12 | 20 24 | 0 38 | 7 28 | 0 46 | 10 21 | 1 50 | 28 24 | 17 19 | 23 41 | 23 45 | 21 6 | | n.a. |
| T 4 | 19 28 | 15 29 | 3 41 | 18 47 | 3 16 | 21 27 | 1 3 | 24 40 | 1 12 | 18 33 | 0 12 | 20 25 | 0 38 | 7 29 | 0 46 | 10 20 | 1 50 | 28 24 | 17 19 | 23 41 | 23 44 | 21 4 | | n.a. |
| F 5 | 19 42 | 11 28 | 4 22 | 18 30 | 3 28 | 21 9 | 1 17 | 24 43 | 1 12 | 18 37 | 0 12 | 20 27 | 0 38 | 7 29 | 0 46 | 10 20 | 1 50 | 28 23 | 17 18 | 23 41 | 23 44 | 21 3 | | n.a. |
| S 6 | 19 55 | 6 57 | 4 53 | 18 12 | 3 41 | 20 51 | 1 31 | 24 46 | 1 12 | 18 40 | 0 11 | 20 29 | 0 38 | 7 29 | 0 45 | 10 19 | 1 50 | 28 22 | 17 18 | 23 41 | 23 44 | 21 1 | | n.a. |
| S 7 | 20 8 | 2 4 | 5 11 | 17 55 | 3 52 | 20 33 | 1 45 | 24 49 | 1 12 | 18 44 | 0 11 | 20 30 | 0 38 | 7 29 | 0 45 | 10 19 | 1 50 | 28 22 | 17 17 | 23 41 | 23 44 | 20 59 | | n.a. |
| M 8 | 20 21 | 3n 2 | 5 14 | 17 39 | 4 1 | 20 14 | 1 59 | 24 51 | 1 12 | 18 47 | 0 11 | 20 32 | 0 38 | 7 29 | 0 45 | 10 18 | 1 50 | 28 21 | 17 16 | 23 41 | 23 44 | 20 58 | | n.a. |
| T 9 | 20 34 | 8 9 | 5 2 | 17 23 | 4 10 | 19 54 | 2 13 | 24 54 | 1 12 | 18 51 | 0 11 | 20 33 | 0 38 | 7 28 | 0 45 | 10 18 | 1 50 | 28 20 | 17 16 | 23 40 | 23 43 | 20 56 | | n.a. |
| W10 | 20 46 | 13 3 | 4 32 | 17 8 | 4 17 | 19 35 | 2 27 | 24 56 | 1 12 | 18 54 | 0 11 | 20 35 | 0 38 | 7 28 | 0 45 | 10 18 | 1 50 | 28 19 | 17 15 | 23 40 | 23 43 | 20 55 | | n.a. |
| T 11 | 20 58 | 17 25 | 3 46 | 16 54 | 4 23 | 19 15 | 2 41 | 24 58 | 1 12 | 18 58 | 0 11 | 20 37 | 0 37 | 7 28 | 0 45 | 10 17 | 1 50 | 28 19 | 17 15 | 23 40 | 23 43 | 20 53 | | n.a. |
| F 12 | 21 9 | 20 53 | 2 44 | 16 42 | 4 27 | 18 55 | 2 55 | 25 0 | 1 12 | 19 1 | 0 11 | 20 38 | 0 37 | 7 28 | 0 45 | 10 17 | 1 50 | 28 18 | 17 14 | 23 40 | 23 43 | 20 51 | | n.a. |
| S 13 | 21 21 | 23 5 | 1 31 | 16 32 | 4 29 | 18 36 | 3 8 | 25 1 | 1 12 | 19 5 | 0 11 | 20 40 | 0 37 | 7 28 | 0 45 | 10 16 | 1 50 | 28 17 | 17 14 | 23 40 | 23 43 | 20 50 | | n.a. |
| S 14 | 21 31 | 23 42 | 0 10 | 16 23 | 4 30 | 18 16 | 3 22 | 25 3 | 1 12 | 19 8 | 0 11 | 20 41 | 0 37 | 7 28 | 0 45 | 10 16 | 1 50 | 28 16 | 17 13 | 23 40 | 23 43 | 20 48 | | n.a. |
| M15 | 21 42 | 22 38 | 1s12 | 16 16 | 4 29 | 17 57 | 3 35 | 25 4 | 1 12 | 19 11 | 0 10 | 20 43 | 0 37 | 7 28 | 0 45 | 10 15 | 1 50 | 28 16 | 17 12 | 23 40 | 23 42 | 20 46 | | n.a. |
| T 16 | 21 52 | 20 0 | 2 28 | 16 11 | 4 26 | 17 38 | 3 47 | 25 5 | 1 12 | 19 15 | 0 10 | 20 45 | 0 37 | 7 27 | 0 45 | 10 15 | 1 50 | 28 15 | 17 12 | 23 40 | 23 42 | 20 45 | | n.a. |
| W17 | 22 2 | 16 6 | 3 34 | 16 9 | 4 22 | 17 19 | 3 59 | 25 6 | 1 12 | 19 18 | 0 10 | 20 46 | 0 37 | 7 27 | 0 45 | 10 15 | 1 50 | 28 14 | 17 11 | 23 40 | 23 42 | 20 43 | | n.a. |
| T 18 | 22 11 | 11 19 | 4 26 | 16 9 | 4 16 | 17 1 | 4 11 | 25 6 | 1 12 | 19 22 | 0 10 | 20 48 | 0 37 | 7 27 | 0 45 | 10 14 | 1 49 | 28 13 | 17 11 | 23 40 | 23 42 | 20 42 | | n.a. |
| F 19 | 22 20 | 6 1 | 5 0 | 16 11 | 4 9 | 16 43 | 4 22 | 25 7 | 1 12 | 19 25 | 0 10 | 20 49 | 0 37 | 7 27 | 0 45 | 10 14 | 1 49 | 28 12 | 17 10 | 23 40 | 23 42 | 20 40 | | n.a. |
| S 20 | 22 29 | 0 33 | 5 16 | 16 16 | 4 0 | 16 26 | 4 32 | 25 7 | 1 12 | 19 28 | 0 10 | 20 51 | 0 37 | 7 26 | 0 45 | 10 14 | 1 49 | 28 12 | 17 10 | 23 40 | 23 41 | 20 38 | | n.a. |
| S 21 | 22 37 | 4s49 | 5 14 | 16 23 | 3 50 | 16 10 | 4 42 | 25 7 | 1 12 | 19 31 | 0 10 | 20 52 | 0 37 | 7 26 | 0 45 | 10 13 | 1 49 | 28 11 | 17 9 | 23 40 | 23 41 | 20 37 | | n.a. |
| M22 | 22 45 | 9 51 | 4 55 | 16 33 | 3 39 | 15 54 | 4 51 | 25 7 | 1 12 | 19 35 | 0 10 | 20 54 | 0 37 | 7 26 | 0 45 | 10 13 | 1 49 | 28 10 | 17 8 | 23 40 | 23 41 | 20 35 | | n.a. |
| T 23 | 22 52 | 14 21 | 4 22 | 16 45 | 3 27 | 15 40 | 5 0 | 25 7 | 1 12 | 19 38 | 0 10 | 20 55 | 0 36 | 7 26 | 0 45 | 10 12 | 1 49 | 28 9 | 17 8 | 23 40 | 23 41 | 20 33 | | n.a. |
| W24 | 22 59 | 18 8 | 3 37 | 17 0 | 3 14 | 15 26 | 5 8 | 25 6 | 1 12 | 19 41 | 0 10 | 20 57 | 0 36 | 7 25 | 0 45 | 10 12 | 1 49 | 28 8 | 17 7 | 23 40 | 23 41 | 20 32 | | n.a. |
| T 25 | 23 6 | 21 2 | 2 42 | 17 16 | 3 1 | 15 13 | 5 15 | 25 6 | 1 12 | 19 44 | 0 9 | 20 58 | 0 36 | 7 25 | 0 45 | 10 12 | 1 49 | 28 7 | 17 7 | 23 40 | 23 41 | 20 30 | | n.a. |
| F 26 | 23 12 | 22 55 | 1 40 | 17 35 | 2 47 | 15 1 | 5 22 | 25 5 | 1 12 | 19 47 | 0 9 | 21 0 | 0 36 | 7 24 | 0 45 | 10 12 | 1 49 | 28 6 | 17 6 | 23 40 | 23 40 | 20 28 | | n.a. |
| S 27 | 23 18 | 23 42 | 0 34 | 17 56 | 2 32 | 14 51 | 5 28 | 25 4 | 1 12 | 19 50 | 0 9 | 21 1 | 0 36 | 7 24 | 0 45 | 10 11 | 1 49 | 28 6 | 17 6 | 23 40 | 23 40 | 20 27 | | n.a. |
| S 28 | 23 23 | 23 22 | 0n32 | 18 18 | 2 17 | 14 41 | 5 33 | 25 2 | 1 12 | 19 54 | 0 9 | 21 3 | 0 36 | 7 24 | 0 45 | 10 11 | 1 49 | 28 5 | 17 5 | 23 40 | 23 40 | 20 25 | | n.a. |
| M29 | 23 28 | 21 59 | 1 36 | 18 42 | 2 2 | 14 32 | 5 38 | 25 1 | 1 12 | 19 57 | 0 9 | 21 4 | 0 36 | 7 23 | 0 44 | 10 11 | 1 49 | 28 4 | 17 5 | 23 40 | 23 40 | 20 23 | | n.a. |
| T 30 | 23n33 | 19s38 | 2n36 | 19n 7 | 1s47 | 14n25 | 5s42 | 24n59 | 1n12 | 20n 0 | 0s 9 | 21n 6 | 0s36 | 7n23 | 0n44 | 10s10 | 1n49 | 28n 3 | 17n 4 | 23s40 | 23s40 | 20s22 | | n.a. |

Julian Day Number = 1000936.5, Delta T = 12h51m16s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'12, Lahiri = -31°09'11 Julian Calendar 1 June 1973 BCE == Greg. Calendar 15 May 1973 BCE


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## JULY 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 30 20 | 21♊ 4'48 | 3♒ 3 | 2♊21 | 27°R11 | 6♋23 | 28♉20 | 5♊47 | 13♍19 | 0°R28 | 28♌38 | 21♐49 | 21♐43 | 18♑25 | n.a. | W 1 |
| T 2 | 17 34 17 | 22° 2'28 | 14°54 | 3°23 | 27♉ 1 | 7° 1 | 28°33 | 5°55 | 13°20 | 0♏27 | 28°39 | 21°R49 | 21°39 | 18°31 | n.a. | T 2 |
| F 3 | 17 38 14 | 23° 0'11 | 26°52 | 4°32 | 26°53 | 7°39 | 28°46 | 6° 2 | 13°21 | 0°26 | 28°40 | 21°49 | 21°36 | 18°38 | n.a. | F 3 |
| S 4 | 17 42 10 | 23°57'55 | 8♓59 | 5°46 | 26°47 | 8°18 | 28°58 | 6°10 | 13°22 | 0°25 | 28°42 | 21°49 | 21°33 | 18°45 | n.a. | S 4 |
| S 5 | 17 46 7 | 24°55'41 | 21°21 | 7° 7 | 26°44 | 8°56 | 29°11 | 6°17 | 13°24 | 0°25 | 28°43 | 21°D49 | 21°30 | 18°51 | n.a. | S 5 |
| M 6 | 17 50 3 | 25°53'28 | 4♈ 1 | 8°32 | 26°D43 | 9°35 | 29°24 | 6°25 | 13°25 | 0°24 | 28°44 | 21°49 | 21°27 | 18°58 | n.a. | M 6 |
| T 7 | 17 54 0 | 26°51'18 | 17° 4 | 10° 2 | 26°45 | 10°13 | 29°37 | 6°32 | 13°27 | 0°23 | 28°46 | 21°49 | 21°24 | 19° 5 | n.a. | T 7 |
| W 8 | 17 57 56 | 27°49'10 | 0♉31 | 11°37 | 26°49 | 10°52 | 29°49 | 6°40 | 13°28 | 0°22 | 28°47 | 21°50 | 21°20 | 19°11 | n.a. | W 8 |
| T 9 | 18 1 53 | 28°47'04 | 14°26 | 13°17 | 26°55 | 11°30 | 0♊ 2 | 6°47 | 13°30 | 0°22 | 28°48 | 21°50 | 21°17 | 19°18 | n.a. | T 9 |
| F 10 | 18 5 49 | 29°44'59 | 28°46 | 14°59 | 27° 3 | 12° 9 | 0°14 | 6°55 | 13°31 | 0°21 | 28°50 | 21°51 | 21°14 | 19°25 | n.a. | F 10 |
| S 11 | 18 9 46 | 0♋42'57 | 13♊29 | 16°45 | 27°14 | 12°47 | 0°27 | 7° 2 | 13°33 | 0°21 | 28°51 | 21°51 | 21°11 | 19°31 | n.a. | S 11 |
| S 12 | 18 13 43 | 1°40'57 | 28°29 | 18°34 | 27°26 | 13°26 | 0°39 | 7° 9 | 13°35 | 0°20 | 28°53 | 21°R51 | 21° 8 | 19°38 | n.a. | S 12 |
| M13 | 18 17 39 | 2°38'58 | 13♋37 | 20°26 | 27°41 | 14° 5 | 0°51 | 7°16 | 13°37 | 0°19 | 28°54 | 21°51 | 21° 5 | 19°45 | n.a. | M13 |
| T 14 | 18 21 36 | 3°37'01 | 28°45 | 22°19 | 27°58 | 14°44 | 1° 4 | 7°24 | 13°38 | 0°19 | 28°56 | 21°50 | 21° 1 | 19°51 | n.a. | T 14 |
| W15 | 18 25 32 | 4°35'06 | 13♌43 | 24°14 | 28°16 | 15°22 | 1°16 | 7°31 | 13°40 | 0°18 | 28°58 | 21°48 | 20°58 | 19°58 | n.a. | W15 |
| T 16 | 18 29 29 | 5°33'13 | 28°24 | 26°10 | 28°36 | 16° 1 | 1°28 | 7°38 | 13°42 | 0°18 | 28°59 | 21°47 | 20°55 | 20° 5 | n.a. | T 16 |
| F 17 | 18 33 25 | 6°31'20 | 12♍43 | 28° 7 | 28°58 | 16°40 | 1°40 | 7°45 | 13°44 | 0°18 | 29° 1 | 21°45 | 20°52 | 20°11 | n.a. | F 17 |
| S 18 | 18 37 22 | 7°29'30 | 26°36 | 0♎ 4 | 29°22 | 17°19 | 1°52 | 7°52 | 13°46 | 0°17 | 29° 3 | 21°45 | 20°49 | 20°18 | n.a. | S 18 |
| S 19 | 18 41 18 | 8°27'41 | 10♎ 4 | 2° 2 | 29°48 | 17°58 | 2° 4 | 7°59 | 13°48 | 0°17 | 29° 4 | 21°D44 | 20°45 | 20°25 | n.a. | S 19 |
| M20 | 18 45 15 | 9°25'54 | 23° 9 | 3°59 | 0♊15 | 18°36 | 2°16 | 8° 6 | 13°50 | 0°16 | 29° 6 | 21°45 | 20°42 | 20°31 | n.a. | M20 |
| T 21 | 18 49 12 | 10°24'08 | 5♏53 | 5°57 | 0°43 | 19°15 | 2°28 | 8°13 | 13°52 | 0°16 | 29° 8 | 21°46 | 20°39 | 20°38 | n.a. | T 21 |
| W22 | 18 53 8 | 11°22'25 | 18°19 | 7°54 | 1°13 | 19°54 | 2°40 | 8°20 | 13°55 | 0°16 | 29° 9 | 21°47 | 20°36 | 20°45 | n.a. | W22 |
| T 23 | 18 57 5 | 12°20'43 | 0♐32 | 9°50 | 1°45 | 20°33 | 2°52 | 8°27 | 13°57 | 0°16 | 29°11 | 21°49 | 20°33 | 20°51 | n.a. | T 23 |
| F 24 | 19 1 1 | 13°19'03 | 12°35 | 11°46 | 2°18 | 21°12 | 3° 3 | 8°34 | 13°59 | 0°15 | 29°13 | 21°50 | 20°30 | 20°58 | n.a. | F 24 |
| S 25 | 19 4 58 | 14°17'24 | 24°31 | 13°40 | 2°52 | 21°51 | 3°15 | 8°41 | 14° 1 | 0°15 | 29°15 | 21°R50 | 20°26 | 21° 5 | n.a. | S 25 |
| S 26 | 19 8 54 | 15°15'48 | 6♑22 | 15°34 | 3°28 | 22°30 | 3°27 | 8°48 | 14° 4 | 0°15 | 29°17 | 21°49 | 20°23 | 21°11 | n.a. | S 26 |
| M27 | 19 12 51 | 16°14'14 | 18°11 | 17°27 | 4° 5 | 23° 9 | 3°38 | 8°54 | 14° 6 | 0°15 | 29°19 | 21°47 | 20°20 | 21°18 | n.a. | M27 |
| T 28 | 19 16 47 | 17°12'41 | 0♒ 0 | 19°19 | 4°43 | 23°49 | 3°49 | 9° 1 | 14° 9 | 0°15 | 29°21 | 21°44 | 20°17 | 21°25 | n.a. | T 28 |
| W29 | 19 20 44 | 18°11'11 | 11°51 | 21°11 | 5°22 | 24°28 | 4° 1 | 9° 8 | 14°11 | 0°15 | 29°23 | 21°40 | 20°14 | 21°31 | n.a. | W29 |
| T 30 | 19 24 41 | 19° 9'43 | 23°46 | 23° 1 | 6° 3 | 25° 7 | 4°12 | 9°14 | 14°14 | 0°D15 | 29°24 | 21°35 | 20°11 | 21°38 | n.a. | T 30 |
| F 31 | 19 28 37 | 20♋ 8'17 | 5♓48 | 24♋49 | 6♊44 | 25♋46 | 4♊23 | 9♊21 | 14♍16 | 0♏15 | 29♌26 | 21♐30 | 20♐ 7 | 21♑45 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| W 1 | 23n37 | 16s28 | 3n30 | 19n34 | 1s31 | 14n19 | 5s46 | 24n58 | 1n12 | 20n 3 | 0s 9 | 21n 7 | 0s36 | 7n22 | 0n44 | 10s10 | 1n49 | 28n 2 | 17n 4 | 23s40 | 23s39 | 20s20 | | | n.a. |
| T 2 | 23 41 | 12 39 | 4 14 | 20 1 | 1 16 | 14 13 | 5 49 | 24 55 | 1 12 | 20 6 | 0 9 | 21 8 | 0 36 | 7 22 | 0 44 | 10 10 | 1 49 | 28 1 | 17 3 | 23 40 | 23 39 | 20 18 | | | n.a. |
| F 3 | 23 44 | 8 18 | 4 48 | 20 29 | 1 1 | 14 9 | 5 52 | 24 53 | 1 12 | 20 9 | 0 9 | 21 10 | 0 36 | 7 21 | 0 44 | 10 10 | 1 49 | 28 0 | 17 3 | 23 40 | 23 39 | 20 17 | | | n.a. |
| S 4 | 23 47 | 3 35 | 5 10 | 20 57 | 0 46 | 14 6 | 5 54 | 24 51 | 1 12 | 20 12 | 0 8 | 21 11 | 0 36 | 7 20 | 0 44 | 10 9 | 1 49 | 27 59 | 17 2 | 23 40 | 23 39 | 20 15 | | | n.a. |
| S 5 | 23 49 | 1n21 | 5 18 | 21 25 | 0 32 | 14 4 | 5 55 | 24 48 | 1 12 | 20 15 | 0 8 | 21 13 | 0 36 | 7 20 | 0 44 | 10 9 | 1 49 | 27 58 | 17 2 | 23 40 | 23 39 | 20 13 | | | n.a. |
| M 6 | 23 51 | 6 22 | 5 11 | 21 53 | 0 18 | 14 2 | 5 56 | 24 45 | 1 12 | 20 17 | 0 8 | 21 14 | 0 35 | 7 19 | 0 44 | 10 9 | 1 49 | 27 57 | 17 1 | 23 40 | 23 38 | 20 11 | | | n.a. |
| T 7 | 23 53 | 11 14 | 4 47 | 22 20 | 0 4 | 14 2 | 5 57 | 24 42 | 1 11 | 20 20 | 0 8 | 21 15 | 0 35 | 7 19 | 0 44 | 10 9 | 1 48 | 27 56 | 17 1 | 23 40 | 23 38 | 20 10 | | | n.a. |
| W 8 | 23 54 | 15 45 | 4 8 | 22 46 | 0n 8 | 14 3 | 5 57 | 24 39 | 1 11 | 20 23 | 0 8 | 21 17 | 0 35 | 7 18 | 0 44 | 10 9 | 1 48 | 27 55 | 17 0 | 23 40 | 23 38 | 20 8 | | | n.a. |
| T 9 | 23 55 | 19 33 | 3 13 | 23 11 | 0 21 | 14 4 | 5 57 | 24 36 | 1 11 | 20 26 | 0 8 | 21 18 | 0 35 | 7 17 | 0 44 | 10 8 | 1 48 | 27 54 | 17 0 | 23 40 | 23 38 | 20 6 | | | n.a. |
| F 10 | 23 55 | 22 19 | 2 5 | 23 35 | 0 32 | 14 7 | 5 56 | 24 32 | 1 11 | 20 29 | 0 8 | 21 19 | 0 35 | 7 17 | 0 44 | 10 8 | 1 48 | 27 53 | 16 59 | 23 40 | 23 37 | 20 5 | | | n.a. |
| S 11 | 23 55 | 23 39 | 0 46 | 23 57 | 0 43 | 14 10 | 5 55 | 24 28 | 1 11 | 20 32 | 0 8 | 21 21 | 0 35 | 7 16 | 0 44 | 10 8 | 1 48 | 27 52 | 16 59 | 23 40 | 23 37 | 20 3 | | | n.a. |
| S 12 | 23 55 | 23 18 | 0s37 | 24 18 | 0 53 | 14 14 | 5 54 | 24 24 | 1 11 | 20 34 | 0 8 | 21 22 | 0 35 | 7 15 | 0 44 | 10 8 | 1 48 | 27 51 | 16 58 | 23 40 | 23 37 | 20 1 | | | n.a. |
| M13 | 23 54 | 21 15 | 1 58 | 24 36 | 1 2 | 14 19 | 5 52 | 24 20 | 1 11 | 20 37 | 0 8 | 21 23 | 0 35 | 7 15 | 0 44 | 10 8 | 1 48 | 27 50 | 16 58 | 23 40 | 23 37 | 19 59 | | | n.a. |
| T 14 | 23 52 | 17 43 | 3 11 | 24 52 | 1 10 | 14 25 | 5 50 | 24 16 | 1 11 | 20 40 | 0 7 | 21 24 | 0 35 | 7 14 | 0 44 | 10 8 | 1 48 | 27 49 | 16 57 | 23 40 | 23 37 | 19 58 | | | n.a. |
| W15 | 23 50 | 13 4 | 4 10 | 25 5 | 1 17 | 14 31 | 5 48 | 24 11 | 1 11 | 20 42 | 0 7 | 21 26 | 0 35 | 7 13 | 0 44 | 10 8 | 1 48 | 27 48 | 16 57 | 23 40 | 23 36 | 19 56 | | | n.a. |
| T 16 | 23 48 | 7 44 | 4 51 | 25 16 | 1 24 | 14 38 | 5 46 | 24 7 | 1 11 | 20 45 | 0 7 | 21 27 | 0 35 | 7 12 | 0 44 | 10 7 | 1 48 | 27 47 | 16 56 | 23 40 | 23 36 | 19 54 | | | n.a. |
| F 17 | 23 45 | 2 7 | 5 13 | 25 24 | 1 30 | 14 45 | 5 43 | 24 2 | 1 11 | 20 48 | 0 7 | 21 28 | 0 35 | 7 11 | 0 44 | 10 7 | 1 48 | 27 46 | 16 56 | 23 40 | 23 36 | 19 52 | | | n.a. |
| S 18 | 23 42 | 3s26 | 5 15 | 25 30 | 1 35 | 14 53 | 5 40 | 23 57 | 1 11 | 20 50 | 0 7 | 21 29 | 0 35 | 7 11 | 0 44 | 10 7 | 1 48 | 27 45 | 16 55 | 23 39 | 23 36 | 19 51 | | | n.a. |
| S 19 | 23 39 | 8 39 | 5 1 | 25 33 | 1 39 | 15 2 | 5 37 | 23 51 | 1 11 | 20 53 | 0 7 | 21 31 | 0 35 | 7 10 | 0 44 | 10 7 | 1 48 | 27 44 | 16 55 | 23 39 | 23 35 | 19 49 | | | n.a. |
| M20 | 23 35 | 13 20 | 4 30 | 25 34 | 1 42 | 15 11 | 5 33 | 23 46 | 1 10 | 20 55 | 0 7 | 21 32 | 0 35 | 7 9 | 0 44 | 10 7 | 1 48 | 27 43 | 16 55 | 23 39 | 23 35 | 19 47 | | | n.a. |
| T 21 | 23 30 | 17 19 | 3 48 | 25 32 | 1 45 | 15 21 | 5 29 | 23 40 | 1 10 | 20 58 | 0 7 | 21 33 | 0 35 | 7 8 | 0 44 | 10 7 | 1 48 | 27 42 | 16 54 | 23 40 | 23 35 | 19 45 | | | n.a. |
| W22 | 23 25 | 20 25 | 2 55 | 25 27 | 1 47 | 15 30 | 5 26 | 23 34 | 1 10 | 21 0 | 0 7 | 21 34 | 0 34 | 7 7 | 0 44 | 10 7 | 1 48 | 27 41 | 16 54 | 23 40 | 23 35 | 19 44 | | | n.a. |
| T 23 | 23 20 | 22 33 | 1 55 | 25 20 | 1 48 | 15 41 | 5 22 | 23 28 | 1 10 | 21 3 | 0 7 | 21 35 | 0 34 | 7 6 | 0 43 | 10 7 | 1 47 | 27 40 | 16 53 | 23 40 | 23 35 | 19 42 | | | n.a. |
| F 24 | 23 14 | 23 36 | 0 51 | 25 11 | 1 48 | 15 51 | 5 17 | 23 22 | 1 10 | 21 5 | 0 6 | 21 37 | 0 34 | 7 5 | 0 43 | 10 7 | 1 47 | 27 39 | 16 53 | 23 40 | 23 34 | 19 40 | | | n.a. |
| S 25 | 23 8 | 23 34 | 0n15 | 25 0 | 1 48 | 16 2 | 5 13 | 23 15 | 1 10 | 21 7 | 0 6 | 21 38 | 0 34 | 7 4 | 0 43 | 10 7 | 1 47 | 27 38 | 16 52 | 23 40 | 23 34 | 19 38 | | | n.a. |
| S 26 | 23 2 | 22 27 | 1 19 | 24 46 | 1 48 | 16 13 | 5 8 | 23 9 | 1 10 | 21 10 | 0 6 | 21 39 | 0 34 | 7 3 | 0 43 | 10 7 | 1 47 | 27 37 | 16 52 | 23 40 | 23 34 | 19 36 | | | n.a. |
| M27 | 22 55 | 20 21 | 2 20 | 24 31 | 1 47 | 16 25 | 5 4 | 23 2 | 1 10 | 21 12 | 0 6 | 21 40 | 0 34 | 7 2 | 0 43 | 10 7 | 1 47 | 27 36 | 16 52 | 23 40 | 23 34 | 19 35 | | | n.a. |
| T 28 | 22 47 | 17 23 | 3 15 | 24 14 | 1 45 | 16 36 | 4 59 | 22 55 | 1 10 | 21 14 | 0 6 | 21 41 | 0 34 | 7 1 | 0 43 | 10 7 | 1 47 | 27 35 | 16 51 | 23 39 | 23 33 | 19 33 | | | n.a. |
| W29 | 22 39 | 13 43 | 4 1 | 23 54 | 1 43 | 16 48 | 4 54 | 22 48 | 1 10 | 21 17 | 0 6 | 21 42 | 0 34 | 7 0 | 0 43 | 10 7 | 1 47 | 27 33 | 16 51 | 23 39 | 23 33 | 19 31 | | | n.a. |
| T 30 | 22 31 | 9 31 | 4 37 | 23 33 | 1 40 | 17 0 | 4 49 | 22 41 | 1 9 | 21 19 | 0 6 | 21 43 | 0 34 | 6 59 | 0 43 | 10 7 | 1 47 | 27 32 | 16 51 | 23 39 | 23 33 | 19 29 | | | n.a. |
| F 31 | 22n23 | 4s54 | 5n 1 | 23n11 | 1n37 | 17n12 | 4s44 | 22n33 | 1n 9 | 21n21 | 0s 6 | 21n44 | 0s34 | 6n58 | 0n43 | 10s 7 | 1n47 | 27n31 | 16n50 | 23s39 | 23s33 | 19s27 | | | n.a. |

Julian Day Number = 1000966.5, Delta T = 12h51m14s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'08, Lahiri = -31°09'07 Julian Calendar 1 July 1973 BCE == Greg. Calendar 14 June 1973 BCE

The year -1972 astronomical counting style corresponds to year 1973 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## AUGUST 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 32 34 | 21♋ 6'54 | 17♓59 | 26♋37 | 7♊27 | 26♋25 | 4♊34 | 9♊27 | 14♍19 | 0♏15 | 29♌28 | 21°R26 | 20♐ 4 | 21♑51 | n.a. | S 1 |
| S 2 | 19 36 30 | 22° 5'33 | 0♈22 | 28°24 | 8°10 | 27° 5 | 4°45 | 9°34 | 14°21 | 0°15 | 29°30 | 21♐23 | 20° 1 | 21°58 | n.a. | S 2 |
| M 3 | 19 40 27 | 23° 4'14 | 13° 0 | 0♌10 | 8°55 | 27°44 | 4°56 | 9°40 | 14°24 | 0°15 | 29°32 | 21°21 | 19°58 | 22° 5 | n.a. | M 3 |
| T 4 | 19 44 23 | 24° 2'57 | 25°57 | 1°55 | 9°41 | 28°23 | 5° 7 | 9°46 | 14°27 | 0°15 | 29°35 | 21°D21 | 19°55 | 22°11 | n.a. | T 4 |
| W 5 | 19 48 20 | 25° 1'44 | 9♉17 | 3°38 | 10°27 | 29° 3 | 5°18 | 9°53 | 14°29 | 0°16 | 29°37 | 21°21 | 19°51 | 22°18 | n.a. | W 5 |
| T 6 | 19 52 16 | 26° 0'32 | 23° 1 | 5°21 | 11°14 | 29°42 | 5°29 | 9°59 | 14°32 | 0°16 | 29°39 | 21°23 | 19°48 | 22°25 | n.a. | T 6 |
| F 7 | 19 56 13 | 26°59'23 | 7♊10 | 7° 3 | 12° 3 | 0♌22 | 5°39 | 10° 5 | 14°35 | 0°16 | 29°41 | 21°24 | 19°45 | 22°31 | n.a. | F 7 |
| S 8 | 20 0 9 | 27°58'17 | 21°45 | 8°43 | 12°52 | 1° 1 | 5°50 | 10°11 | 14°38 | 0°16 | 29°43 | 21°R25 | 19°42 | 22°38 | n.a. | S 8 |
| S 9 | 20 4 6 | 28°57'13 | 6♋41 | 10°23 | 13°41 | 1°41 | 6° 0 | 10°17 | 14°41 | 0°17 | 29°45 | 21°24 | 19°39 | 22°45 | n.a. | S 9 |
| M10 | 20 8 3 | 29°56'11 | 21°51 | 12° 2 | 14°32 | 2°20 | 6°10 | 10°23 | 14°44 | 0°17 | 29°47 | 21°21 | 19°36 | 22°51 | n.a. | M10 |
| T 11 | 20 11 59 | 0♌55'12 | 7♌ 6 | 13°39 | 15°23 | 3° 0 | 6°21 | 10°29 | 14°47 | 0°17 | 29°49 | 21°17 | 19°32 | 22°58 | n.a. | T 11 |
| W12 | 20 15 56 | 1°54'14 | 22°15 | 15°16 | 16°15 | 3°40 | 6°31 | 10°35 | 14°50 | 0°18 | 29°52 | 21°11 | 19°29 | 23° 5 | n.a. | W12 |
| T 13 | 20 19 52 | 2°53'19 | 7♍ 9 | 16°52 | 17° 8 | 4°19 | 6°41 | 10°41 | 14°53 | 0°18 | 29°54 | 21° 5 | 19°26 | 23°11 | n.a. | T 13 |
| F 14 | 20 23 49 | 3°52'26 | 21°41 | 18°27 | 18° 1 | 4°59 | 6°51 | 10°46 | 14°56 | 0°19 | 29°56 | 20°59 | 19°23 | 23°18 | n.a. | F 14 |
| S 15 | 20 27 45 | 4°51'34 | 5♎44 | 20° 1 | 18°55 | 5°39 | 7° 0 | 10°52 | 14°59 | 0°19 | 29°58 | 20°54 | 19°20 | 23°25 | n.a. | S 15 |
| S 16 | 20 31 42 | 5°50'45 | 19°18 | 21°35 | 19°49 | 6°19 | 7°10 | 10°57 | 15° 2 | 0°20 | 0♍ 0 | 20°50 | 19°16 | 23°31 | n.a. | S 16 |
| M17 | 20 35 38 | 6°49'57 | 2♏25 | 23° 7 | 20°44 | 6°59 | 7°20 | 11° 3 | 15° 5 | 0°20 | 0° 3 | 20°D49 | 19°13 | 23°38 | n.a. | M17 |
| T 18 | 20 39 35 | 7°49'12 | 15° 7 | 24°38 | 21°40 | 7°38 | 7°29 | 11° 8 | 15° 8 | 0°21 | 0° 5 | 20°49 | 19°10 | 23°45 | n.a. | T 18 |
| W19 | 20 43 31 | 8°48'28 | 27°29 | 26° 9 | 22°36 | 8°18 | 7°39 | 11°14 | 15°11 | 0°22 | 0° 7 | 20°50 | 19° 7 | 23°51 | n.a. | W19 |
| T 20 | 20 47 28 | 9°47'47 | 9♐35 | 27°39 | 23°33 | 8°58 | 7°48 | 11°19 | 15°14 | 0°22 | 0°10 | 20°52 | 19° 4 | 23°58 | n.a. | T 20 |
| F 21 | 20 51 25 | 10°47'07 | 21°32 | 29° 8 | 24°30 | 9°38 | 7°57 | 11°24 | 15°18 | 0°23 | 0°12 | 20°R52 | 19° 1 | 24° 5 | n.a. | F 21 |
| S 22 | 20 55 21 | 11°46'30 | 3♑22 | 0♍36 | 25°28 | 10°18 | 8° 6 | 11°29 | 15°21 | 0°24 | 0°14 | 20°51 | 18°57 | 24°11 | n.a. | S 22 |
| S 23 | 20 59 18 | 12°45'54 | 15°10 | 2° 3 | 26°26 | 10°58 | 8°15 | 11°34 | 15°24 | 0°25 | 0°17 | 20°48 | 18°54 | 24°18 | n.a. | S 23 |
| M24 | 21 3 14 | 13°45'21 | 26°59 | 3°29 | 27°25 | 11°38 | 8°24 | 11°39 | 15°28 | 0°25 | 0°19 | 20°43 | 18°51 | 24°25 | n.a. | M24 |
| T 25 | 21 7 11 | 14°44'50 | 8♒51 | 4°54 | 28°24 | 12°18 | 8°32 | 11°44 | 15°31 | 0°26 | 0°21 | 20°35 | 18°48 | 24°31 | n.a. | T 25 |
| W26 | 21 11 7 | 15°44'20 | 20°48 | 6°18 | 29°24 | 12°59 | 8°41 | 11°49 | 15°34 | 0°27 | 0°24 | 20°25 | 18°45 | 24°38 | n.a. | W26 |
| T 27 | 21 15 4 | 16°43'53 | 2♓52 | 7°42 | 0♋24 | 13°39 | 8°49 | 11°53 | 15°38 | 0°28 | 0°26 | 20°14 | 18°42 | 24°45 | n.a. | T 27 |
| F 28 | 21 19 0 | 17°43'29 | 15° 4 | 9° 4 | 1°25 | 14°19 | 8°58 | 11°58 | 15°41 | 0°29 | 0°28 | 20° 3 | 18°38 | 24°51 | n.a. | F 28 |
| S 29 | 21 22 57 | 18°43'06 | 27°24 | 10°25 | 2°26 | 14°59 | 9° 6 | 12° 3 | 15°45 | 0°30 | 0°31 | 19°53 | 18°35 | 24°58 | n.a. | S 29 |
| S 30 | 21 26 53 | 19°42'46 | 9♈56 | 11°46 | 3°27 | 15°40 | 9°14 | 12° 7 | 15°48 | 0°31 | 0°33 | 19°45 | 18°32 | 25° 5 | n.a. | S 30 |
| M31 | 21 30 50 | 20♌42'29 | 22♈39 | 13♍ 5 | 4♋29 | 16♌20 | 9♊22 | 12♊11 | 15♍52 | 0♏32 | 0♍35 | 19♐39 | 18♐29 | 25♑11 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n13 | 0s 4 | 5n12 | 22n47 | 1n34 | 17n24 | 4s39 | 22n25 | 1n 9 | 21n23 | 0s 6 | 21n45 | 0s34 | 6n57 | 0n43 | 10s 7 | 1n47 | 27n30 | 16n50 | 23s38 | 23s32 | 19s26 | | n.a. |
| S 2 | 22 4 | 4n51 | 5 9 | 22 22 | 1 30 | 17 36 | 4 34 | 22 17 | 1 9 | 21 25 | 0 6 | 21 46 | 0 34 | 6 56 | 0 43 | 10 7 | 1 47 | 27 29 | 16 50 | 23 38 | 23 32 | 19 24 | | n.a. |
| M 3 | 21 54 | 9 41 | 4 51 | 21 55 | 1 26 | 17 49 | 4 28 | 22 9 | 1 9 | 21 28 | 0 5 | 21 47 | 0 34 | 6 55 | 0 43 | 10 8 | 1 47 | 27 28 | 16 49 | 23 38 | 23 32 | 19 22 | | n.a. |
| T 4 | 21 44 | 14 12 | 4 18 | 21 27 | 1 21 | 18 1 | 4 23 | 22 1 | 1 9 | 21 30 | 0 5 | 21 48 | 0 34 | 6 54 | 0 43 | 10 8 | 1 47 | 27 27 | 16 49 | 23 38 | 23 32 | 19 20 | | n.a. |
| W 5 | 21 33 | 18 11 | 3 30 | 20 58 | 1 16 | 18 13 | 4 18 | 21 53 | 1 9 | 21 32 | 0 5 | 21 49 | 0 34 | 6 53 | 0 43 | 10 8 | 1 47 | 27 26 | 16 49 | 23 38 | 23 31 | 19 18 | | n.a. |
| T 6 | 21 22 | 21 18 | 2 29 | 20 28 | 1 11 | 18 25 | 4 12 | 21 44 | 1 8 | 21 34 | 0 5 | 21 50 | 0 34 | 6 52 | 0 43 | 10 8 | 1 47 | 27 25 | 16 48 | 23 38 | 23 31 | 19 17 | | n.a. |
| F 7 | 21 11 | 23 13 | 1 17 | 19 57 | 1 6 | 18 37 | 4 6 | 21 35 | 1 8 | 21 36 | 0 5 | 21 51 | 0 34 | 6 51 | 0 43 | 10 8 | 1 46 | 27 24 | 16 48 | 23 38 | 23 31 | 19 15 | | n.a. |
| S 8 | 20 59 | 23 38 | 0s 2 | 19 25 | 1 1 | 18 49 | 4 1 | 21 26 | 1 8 | 21 38 | 0 5 | 21 52 | 0 34 | 6 50 | 0 43 | 10 8 | 1 46 | 27 23 | 16 48 | 23 38 | 23 31 | 19 13 | | n.a. |
| S 9 | 20 47 | 22 23 | 1 22 | 18 52 | 0 55 | 19 1 | 3 55 | 21 17 | 1 8 | 21 40 | 0 5 | 21 53 | 0 34 | 6 48 | 0 43 | 10 8 | 1 46 | 27 22 | 16 47 | 23 38 | 23 30 | 19 11 | | n.a. |
| M10 | 20 34 | 19 31 | 2 38 | 18 19 | 0 49 | 19 12 | 3 49 | 21 8 | 1 8 | 21 42 | 0 5 | 21 54 | 0 33 | 6 47 | 0 43 | 10 9 | 1 46 | 27 21 | 16 47 | 23 38 | 23 30 | 19 9 | | n.a. |
| T 11 | 20 21 | 15 17 | 3 43 | 17 44 | 0 43 | 19 24 | 3 44 | 20 59 | 1 8 | 21 44 | 0 5 | 21 55 | 0 33 | 6 46 | 0 43 | 10 9 | 1 46 | 27 20 | 16 47 | 23 38 | 23 30 | 19 7 | | n.a. |
| W12 | 20 8 | 10 6 | 4 31 | 17 9 | 0 36 | 19 35 | 3 38 | 20 49 | 1 7 | 21 45 | 0 4 | 21 56 | 0 33 | 6 45 | 0 43 | 10 9 | 1 46 | 27 18 | 16 47 | 23 37 | 23 30 | 19 6 | | n.a. |
| T 13 | 19 54 | 4 25 | 5 1 | 16 34 | 0 30 | 19 46 | 3 32 | 20 39 | 1 7 | 21 47 | 0 4 | 21 57 | 0 33 | 6 44 | 0 43 | 10 9 | 1 46 | 27 17 | 16 46 | 23 37 | 23 29 | 19 4 | | n.a. |
| F 14 | 19 40 | 1s22 | 5 10 | 15 58 | 0 23 | 19 57 | 3 26 | 20 29 | 1 7 | 21 49 | 0 4 | 21 58 | 0 33 | 6 42 | 0 43 | 10 10 | 1 46 | 27 16 | 16 46 | 23 36 | 23 29 | 19 2 | | n.a. |
| S 15 | 19 26 | 6 53 | 4 59 | 15 22 | 0 16 | 20 7 | 3 20 | 20 19 | 1 7 | 21 51 | 0 4 | 21 59 | 0 33 | 6 41 | 0 43 | 10 10 | 1 46 | 27 15 | 16 46 | 23 36 | 23 29 | 19 0 | | n.a. |
| S 16 | 19 11 | 11 53 | 4 33 | 14 45 | 0 10 | 20 17 | 3 14 | 20 9 | 1 7 | 21 53 | 0 4 | 21 59 | 0 33 | 6 40 | 0 43 | 10 10 | 1 46 | 27 14 | 16 46 | 23 36 | 23 29 | 18 58 | | n.a. |
| M17 | 18 56 | 16 10 | 3 52 | 14 8 | 0 3 | 20 27 | 3 9 | 19 58 | 1 7 | 21 54 | 0 4 | 22 0 | 0 33 | 6 39 | 0 43 | 10 10 | 1 46 | 27 13 | 16 45 | 23 36 | 23 28 | 18 56 | | n.a. |
| T 18 | 18 41 | 19 34 | 3 1 | 13 30 | 0s 5 | 20 37 | 3 3 | 19 48 | 1 6 | 21 56 | 0 4 | 22 1 | 0 33 | 6 37 | 0 43 | 10 11 | 1 46 | 27 12 | 16 45 | 23 36 | 23 28 | 18 54 | | n.a. |
| W19 | 18 25 | 21 59 | 2 3 | 12 52 | 0 12 | 20 46 | 2 57 | 19 37 | 1 6 | 21 58 | 0 4 | 22 2 | 0 33 | 6 36 | 0 43 | 10 11 | 1 46 | 27 11 | 16 45 | 23 36 | 23 28 | 18 53 | | n.a. |
| T 20 | 18 9 | 23 20 | 1 1 | 12 14 | 0 19 | 20 55 | 2 51 | 19 26 | 1 6 | 21 59 | 0 4 | 22 3 | 0 33 | 6 35 | 0 43 | 10 11 | 1 46 | 27 10 | 16 45 | 23 36 | 23 28 | 18 51 | | n.a. |
| F 21 | 17 53 | 23 35 | 0n 4 | 11 36 | 0 26 | 21 4 | 2 45 | 19 15 | 1 6 | 22 1 | 0 3 | 22 3 | 0 33 | 6 34 | 0 43 | 10 12 | 1 46 | 27 9 | 16 45 | 23 36 | 23 27 | 18 49 | | n.a. |
| S 22 | 17 36 | 22 46 | 1 7 | 10 58 | 0 33 | 21 12 | 2 39 | 19 4 | 1 6 | 22 3 | 0 3 | 22 4 | 0 33 | 6 32 | 0 43 | 10 12 | 1 45 | 27 8 | 16 44 | 23 36 | 23 27 | 18 47 | | n.a. |
| S 23 | 17 19 | 20 56 | 2 7 | 10 19 | 0 41 | 21 19 | 2 33 | 18 52 | 1 5 | 22 4 | 0 3 | 22 5 | 0 33 | 6 31 | 0 43 | 10 12 | 1 45 | 27 7 | 16 44 | 23 36 | 23 27 | 18 45 | | n.a. |
| M24 | 17 2 | 18 13 | 3 2 | 9 41 | 0 48 | 21 27 | 2 27 | 18 41 | 1 5 | 22 6 | 0 3 | 22 6 | 0 33 | 6 30 | 0 43 | 10 13 | 1 45 | 27 6 | 16 44 | 23 35 | 23 27 | 18 43 | | n.a. |
| T 25 | 16 44 | 14 44 | 3 48 | 9 3 | 0 56 | 21 33 | 2 21 | 18 29 | 1 5 | 22 7 | 0 3 | 22 6 | 0 33 | 6 28 | 0 42 | 10 13 | 1 45 | 27 5 | 16 44 | 23 35 | 23 26 | 18 41 | | n.a. |
| W26 | 16 26 | 10 40 | 4 25 | 8 24 | 1 3 | 21 40 | 2 15 | 18 17 | 1 5 | 22 9 | 0 3 | 22 7 | 0 33 | 6 27 | 0 42 | 10 13 | 1 45 | 27 4 | 16 44 | 23 34 | 23 26 | 18 39 | | n.a. |
| T 27 | 16 8 | 6 9 | 4 51 | 7 46 | 1 10 | 21 46 | 2 10 | 18 5 | 1 5 | 22 10 | 0 3 | 22 8 | 0 33 | 6 26 | 0 42 | 10 14 | 1 45 | 27 3 | 16 44 | 23 33 | 23 26 | 18 37 | | n.a. |
| F 28 | 15 50 | 1 21 | 5 3 | 7 8 | 1 18 | 21 51 | 2 4 | 17 53 | 1 4 | 22 12 | 0 3 | 22 8 | 0 33 | 6 24 | 0 42 | 10 14 | 1 45 | 27 2 | 16 44 | 23 32 | 23 25 | 18 36 | | n.a. |
| S 29 | 15 31 | 3n33 | 5 2 | 6 30 | 1 25 | 21 56 | 1 58 | 17 41 | 1 4 | 22 13 | 0 3 | 22 9 | 0 33 | 6 23 | 0 42 | 10 14 | 1 45 | 27 1 | 16 43 | 23 32 | 23 25 | 18 34 | | n.a. |
| S 30 | 15 12 | 8 22 | 4 46 | 5 53 | 1 32 | 22 0 | 1 52 | 17 29 | 1 4 | 22 14 | 0 2 | 22 10 | 0 33 | 6 21 | 0 42 | 10 15 | 1 45 | 27 0 | 16 43 | 23 31 | 23 25 | 18 32 | | n.a. |
| M31 | 14n53 | 12n55 | 4n16 | 5n16 | 1s39 | 22n 4 | 1s46 | 17n16 | 1n 4 | 22n16 | 0s 2 | 22n10 | 0s33 | 6n20 | 0n42 | 10s15 | 1n45 | 26n59 | 16n43 | 23s30 | 23s25 | 18s30 | | n.a. |

Julian Day Number = 1000997.5, Delta T = 12h51m12s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°16'03, Lahiri = -31°09'03 Julian Calendar 1 Aug. 1973 BCE == Greg. Calendar 15 July 1973 BCE

The year -1972 astronomical counting style corresponds to year 1973 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## SEPTEMBER 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 34 47 | 21♌42'13 | 5♉37 | 14♍22 | 5♋31 | 17♌ 0 | 9♊30 | 12♊16 | 15♍55 | 0♏33 | 0♍38 | 19°R35 | 18♐26 | 25♑18 | n.a. | T 1 |
| W 2 | 21 38 43 | 22°42'01 | 18°51 | 15°39 | 6°33 | 17°41 | 9°37 | 12°20 | 15°59 | 0°34 | 0°40 | 19°D34 | 18°22 | 25°25 | n.a. | W 2 |
| T 3 | 21 42 40 | 23°41'50 | 2♊26 | 16°54 | 7°36 | 18°21 | 9°45 | 12°24 | 16° 2 | 0°35 | 0°43 | 19♐34 | 18°19 | 25°31 | n.a. | T 3 |
| F 4 | 21 46 36 | 24°41'43 | 16°22 | 18° 7 | 8°40 | 19° 2 | 9°52 | 12°28 | 16° 6 | 0°37 | 0°45 | 19°R34 | 18°16 | 25°38 | n.a. | F 4 |
| S 5 | 21 50 33 | 25°41'37 | 0♋40 | 19°19 | 9°43 | 19°42 | 9°59 | 12°32 | 16° 9 | 0°38 | 0°47 | 19°34 | 18°13 | 25°45 | n.a. | S 5 |
| S 6 | 21 54 29 | 26°41'35 | 15°19 | 20°29 | 10°47 | 20°23 | 10° 7 | 12°36 | 16°13 | 0°39 | 0°50 | 19°32 | 18°10 | 25°51 | n.a. | S 6 |
| M 7 | 21 58 26 | 27°41'34 | 0♌14 | 21°37 | 11°51 | 21° 3 | 10°14 | 12°39 | 16°16 | 0°40 | 0°52 | 19°27 | 18° 7 | 25°58 | n.a. | M 7 |
| T 8 | 22 2 22 | 28°41'36 | 15°18 | 22°43 | 12°56 | 21°44 | 10°20 | 12°43 | 16°20 | 0°41 | 0°55 | 19°19 | 18° 3 | 26° 5 | n.a. | T 8 |
| W 9 | 22 6 19 | 29°41'39 | 0♍23 | 23°47 | 14° 0 | 22°25 | 10°27 | 12°47 | 16°24 | 0°43 | 0°57 | 19° 9 | 18° 0 | 26°11 | n.a. | W 9 |
| T 10 | 22 10 15 | 0♍41'45 | 15°17 | 24°48 | 15° 6 | 23° 6 | 10°33 | 12°50 | 16°27 | 0°44 | 1° 0 | 18°58 | 17°57 | 26°18 | n.a. | T 10 |
| F 11 | 22 14 12 | 1°41'53 | 29°52 | 25°46 | 16°11 | 23°46 | 10°40 | 12°53 | 16°31 | 0°45 | 1° 2 | 18°47 | 17°54 | 26°25 | n.a. | F 11 |
| S 12 | 22 18 9 | 2°42'02 | 14♎ 2 | 26°41 | 17°17 | 24°27 | 10°46 | 12°57 | 16°35 | 0°47 | 1° 4 | 18°38 | 17°51 | 26°31 | n.a. | S 12 |
| S 13 | 22 22 5 | 3°42'14 | 27°42 | 27°33 | 18°23 | 25° 8 | 10°52 | 13° 0 | 16°38 | 0°48 | 1° 7 | 18°30 | 17°48 | 26°38 | n.a. | S 13 |
| M14 | 22 26 2 | 4°42'27 | 10♏54 | 28°20 | 19°29 | 25°49 | 10°58 | 13° 3 | 16°42 | 0°50 | 1° 9 | 18°26 | 17°44 | 26°45 | n.a. | M14 |
| T 15 | 22 29 58 | 5°42'42 | 23°39 | 29° 4 | 20°35 | 26°30 | 11° 4 | 13° 6 | 16°46 | 0°51 | 1°12 | 18°24 | 17°41 | 26°51 | n.a. | T 15 |
| W16 | 22 33 55 | 6°42'59 | 6♐ 3 | 29°42 | 21°42 | 27°11 | 11° 9 | 13° 9 | 16°50 | 0°53 | 1°14 | 18°D23 | 17°38 | 26°58 | n.a. | W16 |
| T 17 | 22 37 51 | 7°43'17 | 18° 9 | 0♎15 | 22°49 | 27°52 | 11°15 | 13°11 | 16°53 | 0°54 | 1°17 | 18°R23 | 17°35 | 27° 5 | n.a. | T 17 |
| F 18 | 22 41 48 | 8°43'37 | 0♑ 4 | 0°42 | 23°56 | 28°33 | 11°20 | 13°14 | 16°57 | 0°56 | 1°19 | 18°23 | 17°32 | 27°11 | n.a. | F 18 |
| S 19 | 22 45 44 | 9°43'59 | 11°53 | 1° 2 | 25° 3 | 29°14 | 11°25 | 13°17 | 17° 1 | 0°57 | 1°21 | 18°21 | 17°28 | 27°18 | n.a. | S 19 |
| S 20 | 22 49 41 | 10°44'22 | 23°41 | 1°15 | 26°11 | 29°55 | 11°30 | 13°19 | 17° 4 | 0°59 | 1°24 | 18°16 | 17°25 | 27°25 | n.a. | S 20 |
| M21 | 22 53 37 | 11°44'47 | 5♒32 | 1°R21 | 27°19 | 0♍36 | 11°34 | 13°21 | 17° 8 | 1° 0 | 1°26 | 18° 9 | 17°22 | 27°32 | n.a. | M21 |
| T 22 | 22 57 34 | 12°45'14 | 17°29 | 1°18 | 28°27 | 1°17 | 11°39 | 13°24 | 17°12 | 1° 2 | 1°29 | 17°58 | 17°19 | 27°38 | n.a. | T 22 |
| W23 | 23 1 31 | 13°45'42 | 29°35 | 1° 5 | 29°35 | 1°59 | 11°43 | 13°26 | 17°16 | 1° 4 | 1°31 | 17°46 | 17°16 | 27°45 | n.a. | W23 |
| T 24 | 23 5 27 | 14°46'12 | 11♓50 | 0°43 | 0♌43 | 2°40 | 11°48 | 13°28 | 17°19 | 1° 5 | 1°33 | 17°31 | 17°13 | 27°52 | n.a. | T 24 |
| F 25 | 23 9 24 | 15°46'44 | 24°16 | 0°12 | 1°52 | 3°21 | 11°52 | 13°30 | 17°23 | 1° 7 | 1°36 | 17°17 | 17° 9 | 27°58 | n.a. | F 25 |
| S 26 | 23 13 20 | 16°47'18 | 6♈53 | 29♍30 | 3° 1 | 4° 2 | 11°55 | 13°31 | 17°27 | 1° 9 | 1°38 | 17° 4 | 17° 6 | 28° 5 | n.a. | S 26 |
| S 27 | 23 17 17 | 17°47'53 | 19°41 | 28°38 | 4°10 | 4°44 | 11°59 | 13°33 | 17°31 | 1°11 | 1°40 | 16°52 | 17° 3 | 28°12 | n.a. | S 27 |
| M28 | 23 21 13 | 18°48'30 | 2♉39 | 27°38 | 5°19 | 5°25 | 12° 3 | 13°35 | 17°35 | 1°12 | 1°43 | 16°44 | 17° 0 | 28°18 | n.a. | M28 |
| T 29 | 23 25 10 | 19°49'09 | 15°49 | 26°29 | 6°29 | 6° 7 | 12° 6 | 13°36 | 17°38 | 1°14 | 1°45 | 16°38 | 16°57 | 28°25 | n.a. | T 29 |
| W30 | 23 29 6 | 20♍49'51 | 29♉10 | 25♍15 | 7♌38 | 6♍48 | 12♊ 9 | 13♊37 | 17♍42 | 1♏16 | 1♍47 | 16♐36 | 16♐53 | 28♑32 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n33 | 16n59 | 3n32 | 4n39 | 1s46 | 22n 8 | 1s41 | 17n 3 | 1n 3 | 22n17 | 0s 2 | 22n11 | 0s33 | 6n19 | 0n42 | 10s16 | 1n45 | 26n58 | 16n43 | 23s30 | 23s24 | 18s28 | | n.a. |
| W 2 | 14 13 | 20 17 | 2 36 | 4 2 | 1 53 | 22 10 | 1 35 | 16 51 | 1 3 | 22 18 | 0 2 | 22 11 | 0 32 | 6 17 | 0 42 | 10 16 | 1 45 | 26 57 | 16 43 | 23 30 | 23 24 | 18 26 | | n.a. |
| T 3 | 13 53 | 22 32 | 1 30 | 3 27 | 2 0 | 22 13 | 1 29 | 16 38 | 1 3 | 22 20 | 0 2 | 22 12 | 0 32 | 6 16 | 0 42 | 10 17 | 1 45 | 26 56 | 16 43 | 23 30 | 23 24 | 18 24 | | n.a. |
| F 4 | 13 33 | 23 29 | 0 17 | 2 51 | 2 6 | 22 14 | 1 24 | 16 25 | 1 3 | 22 21 | 0 2 | 22 13 | 0 32 | 6 14 | 0 42 | 10 17 | 1 45 | 26 55 | 16 43 | 23 30 | 23 23 | 18 22 | | n.a. |
| S 5 | 13 13 | 22 56 | 0s59 | 2 17 | 2 13 | 22 15 | 1 18 | 16 11 | 1 2 | 22 22 | 0 2 | 22 13 | 0 32 | 6 13 | 0 42 | 10 18 | 1 45 | 26 54 | 16 43 | 23 30 | 23 23 | 18 20 | | n.a. |
| S 6 | 12 52 | 20 50 | 2 12 | 1 43 | 2 19 | 22 16 | 1 13 | 15 58 | 1 2 | 22 23 | 0 2 | 22 14 | 0 32 | 6 11 | 0 42 | 10 18 | 1 45 | 26 53 | 16 43 | 23 30 | 23 23 | 18 18 | | n.a. |
| M 7 | 12 31 | 17 17 | 3 18 | 1 11 | 2 25 | 22 16 | 1 7 | 15 44 | 1 2 | 22 24 | 0 1 | 22 14 | 0 32 | 6 10 | 0 42 | 10 19 | 1 44 | 26 52 | 16 43 | 23 29 | 23 23 | 18 16 | | n.a. |
| T 8 | 12 10 | 12 35 | 4 11 | 0 39 | 2 30 | 22 15 | 1 2 | 15 31 | 1 2 | 22 26 | 0 1 | 22 15 | 0 32 | 6 9 | 0 42 | 10 19 | 1 44 | 26 51 | 16 43 | 23 29 | 23 22 | 18 14 | | n.a. |
| W 9 | 11 48 | 7 6 | 4 46 | 0 9 | 2 36 | 22 14 | 0 57 | 15 17 | 1 1 | 22 27 | 0 1 | 22 15 | 0 32 | 6 7 | 0 42 | 10 20 | 1 44 | 26 50 | 16 43 | 23 28 | 23 22 | 18 13 | | n.a. |
| T 10 | 11 27 | 1 18 | 5 1 | 0s21 | 2 41 | 22 12 | 0 51 | 15 3 | 1 1 | 22 28 | 0 1 | 22 16 | 0 32 | 6 6 | 0 42 | 10 20 | 1 44 | 26 49 | 16 43 | 23 27 | 23 22 | 18 11 | | n.a. |
| F 11 | 11 5 | 4s28 | 4 56 | 0 48 | 2 45 | 22 9 | 0 46 | 14 49 | 1 1 | 22 29 | 0 1 | 22 16 | 0 32 | 6 4 | 0 42 | 10 21 | 1 44 | 26 48 | 16 43 | 23 26 | 23 21 | 18 9 | | n.a. |
| S 12 | 10 43 | 9 49 | 4 33 | 1 14 | 2 49 | 22 6 | 0 41 | 14 35 | 1 1 | 22 30 | 0 1 | 22 17 | 0 32 | 6 3 | 0 42 | 10 21 | 1 44 | 26 47 | 16 43 | 23 25 | 23 21 | 18 7 | | n.a. |
| S 13 | 10 21 | 14 30 | 3 55 | 1 38 | 2 53 | 22 3 | 0 36 | 14 21 | 1 0 | 22 31 | 0 1 | 22 17 | 0 32 | 6 1 | 0 42 | 10 22 | 1 44 | 26 46 | 16 43 | 23 25 | 23 21 | 18 5 | | n.a. |
| M14 | 9 59 | 18 19 | 3 5 | 2 0 | 2 56 | 21 58 | 0 31 | 14 7 | 1 0 | 22 32 | 0 1 | 22 18 | 0 32 | 6 0 | 0 42 | 10 22 | 1 44 | 26 46 | 16 43 | 23 24 | 23 21 | 18 3 | | n.a. |
| T 15 | 9 36 | 21 7 | 2 7 | 2 20 | 2 58 | 21 53 | 0 26 | 13 52 | 1 0 | 22 33 | 0 0 | 22 18 | 0 32 | 5 58 | 0 42 | 10 23 | 1 44 | 26 45 | 16 43 | 23 24 | 23 20 | 18 1 | | n.a. |
| W16 | 9 13 | 22 49 | 1 5 | 2 37 | 3 0 | 21 48 | 0 21 | 13 37 | 0 59 | 22 34 | 0 0 | 22 18 | 0 32 | 5 57 | 0 42 | 10 23 | 1 44 | 26 44 | 16 43 | 23 24 | 23 20 | 17 59 | | n.a. |
| T 17 | 8 51 | 23 24 | 0 1 | 2 51 | 3 1 | 21 41 | 0 16 | 13 23 | 0 59 | 22 34 | 0 0 | 22 19 | 0 32 | 5 55 | 0 42 | 10 24 | 1 44 | 26 43 | 16 43 | 23 24 | 23 20 | 17 57 | | n.a. |
| F 18 | 8 28 | 22 54 | 1n 2 | 3 2 | 3 1 | 21 34 | 0 11 | 13 8 | 0 59 | 22 35 | 0 0 | 22 19 | 0 32 | 5 54 | 0 42 | 10 25 | 1 44 | 26 42 | 16 43 | 23 24 | 23 19 | 17 55 | | n.a. |
| S 19 | 8 4 | 21 22 | 2 1 | 3 9 | 3 0 | 21 27 | 0 6 | 12 53 | 0 59 | 22 36 | 0n 0 | 22 19 | 0 32 | 5 52 | 0 42 | 10 25 | 1 44 | 26 41 | 16 43 | 23 24 | 23 19 | 17 53 | | n.a. |
| S 20 | 7 41 | 18 55 | 2 55 | 3 13 | 2 57 | 21 19 | 0 2 | 12 38 | 0 58 | 22 37 | 0 0 | 22 20 | 0 32 | 5 51 | 0 42 | 10 26 | 1 44 | 26 40 | 16 43 | 23 23 | 23 19 | 17 51 | | n.a. |
| M21 | 7 18 | 15 41 | 3 42 | 3 12 | 2 54 | 21 10 | 0n 3 | 12 23 | 0 58 | 22 38 | 0 0 | 22 20 | 0 32 | 5 49 | 0 42 | 10 26 | 1 44 | 26 39 | 16 43 | 23 23 | 23 18 | 17 49 | | n.a. |
| T 22 | 6 54 | 11 48 | 4 19 | 3 6 | 2 49 | 21 1 | 0 8 | 12 8 | 0 58 | 22 39 | 0 0 | 22 20 | 0 32 | 5 48 | 0 42 | 10 27 | 1 44 | 26 39 | 16 43 | 23 22 | 23 18 | 17 47 | | n.a. |
| W23 | 6 31 | 7 24 | 4 45 | 2 55 | 2 42 | 20 51 | 0 12 | 11 52 | 0 57 | 22 39 | 0 1 | 22 21 | 0 32 | 5 46 | 0 42 | 10 28 | 1 44 | 26 38 | 16 43 | 23 21 | 23 18 | 17 45 | | n.a. |
| T 24 | 6 7 | 2 41 | 4 58 | 2 38 | 2 34 | 20 40 | 0 16 | 11 37 | 0 57 | 22 40 | 0 1 | 22 21 | 0 32 | 5 45 | 0 42 | 10 28 | 1 44 | 26 37 | 16 44 | 23 19 | 23 18 | 17 43 | | n.a. |
| F 25 | 5 43 | 2n13 | 4 57 | 2 16 | 2 24 | 20 29 | 0 21 | 11 21 | 0 57 | 22 41 | 0 1 | 22 21 | 0 32 | 5 43 | 0 42 | 10 29 | 1 43 | 26 36 | 16 44 | 23 18 | 23 17 | 17 41 | | n.a. |
| S 26 | 5 19 | 7 5 | 4 42 | 1 49 | 2 12 | 20 17 | 0 25 | 11 6 | 0 56 | 22 41 | 0 1 | 22 22 | 0 32 | 5 42 | 0 42 | 10 30 | 1 43 | 26 36 | 16 44 | 23 17 | 23 17 | 17 39 | | n.a. |
| S 27 | 4 55 | 11 44 | 4 13 | 1 15 | 1 58 | 20 4 | 0 29 | 10 50 | 0 56 | 22 42 | 0 1 | 22 22 | 0 31 | 5 40 | 0 42 | 10 30 | 1 43 | 26 35 | 16 44 | 23 15 | 23 17 | 17 37 | | n.a. |
| M28 | 4 31 | 15 54 | 3 30 | 0 36 | 1 43 | 19 51 | 0 33 | 10 34 | 0 56 | 22 43 | 0 1 | 22 22 | 0 31 | 5 39 | 0 42 | 10 31 | 1 43 | 26 34 | 16 44 | 23 15 | 23 16 | 17 35 | | n.a. |
| T 29 | 4 7 | 19 22 | 2 35 | 0n 7 | 1 26 | 19 37 | 0 37 | 10 18 | 0 55 | 22 43 | 0 1 | 22 22 | 0 31 | 5 37 | 0 42 | 10 32 | 1 43 | 26 33 | 16 44 | 23 14 | 23 16 | 17 33 | | n.a. |
| W30 | 3n42 | 21n51 | 1n31 | 0n54 | 1s 7 | 19n23 | 0n41 | 10n 2 | 0n55 | 22n44 | 0n 2 | 22n23 | 0s31 | 5n36 | 0n42 | 10s32 | 1n43 | 26n33 | 16n44 | 23s14 | 23s16 | 17s31 | | n.a. |

Julian Day Number = 1001028.5, Delta T = 12h51m10s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'59, Lahiri = -31°08'59 Julian Calendar 1 Sept. 1973 BCE == Greg. Calendar 15 Aug. 1973 BCE


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## OCTOBER 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 33 3 | 21♍50'34 | 12♊44 | 23°R56 | 8♌48 | 7♍30 | 12♊12 | 13♊39 | 17♍46 | 1♏18 | 1♍50 | 16°R35 | 16♐50 | 28♉38 | n.a. | T 1 |
| F 2 | 23 37 0 | 22°51'19 | 26°33 | 22♍35 | 9°58 | 8°11 | 12°15 | 13°40 | 17°50 | 1°20 | 1°52 | 16♐35 | 16°47 | 28°45 | n.a. | F 2 |
| S 3 | 23 40 56 | 23°52'06 | 10♋37 | 21°15 | 11° 8 | 8°53 | 12°17 | 13°41 | 17°53 | 1°22 | 1°54 | 16°34 | 16°44 | 28°52 | n.a. | S 3 |
| S 4 | 23 44 53 | 24°52'54 | 24°57 | 19°58 | 12°18 | 9°35 | 12°20 | 13°42 | 17°57 | 1°23 | 1°57 | 16°32 | 16°41 | 28°58 | n.a. | S 4 |
| M 5 | 23 48 49 | 25°53'45 | 9♌29 | 18°48 | 13°29 | 10°16 | 12°22 | 13°43 | 18° 1 | 1°25 | 1°59 | 16°26 | 16°38 | 29° 5 | n.a. | M 5 |
| T 6 | 23 52 46 | 26°54'37 | 24° 9 | 17°45 | 14°39 | 10°58 | 12°24 | 13°43 | 18° 5 | 1°27 | 2° 1 | 16°18 | 16°34 | 29°12 | n.a. | T 6 |
| W 7 | 23 56 42 | 27°55'31 | 8♍52 | 16°52 | 15°50 | 11°40 | 12°26 | 13°44 | 18° 8 | 1°29 | 2° 3 | 16° 7 | 16°31 | 29°18 | n.a. | W 7 |
| T 8 | 0 0 39 | 28°56'26 | 23°29 | 16°10 | 17° 1 | 12°22 | 12°27 | 13°44 | 18°12 | 1°31 | 2° 6 | 15°56 | 16°28 | 29°25 | n.a. | T 8 |
| F 9 | 0 4 35 | 29°57'22 | 7♎52 | 15°40 | 18°12 | 13° 4 | 12°29 | 13°45 | 18°16 | 1°33 | 2° 8 | 15°44 | 16°25 | 29°32 | n.a. | F 9 |
| S 10 | 0 8 32 | 0♎58'20 | 21°55 | 15°22 | 19°23 | 13°46 | 12°30 | 13°45 | 18°19 | 1°35 | 2°10 | 15°33 | 16°22 | 29°38 | n.a. | S 10 |
| S 11 | 0 12 28 | 1°59'19 | 5♏34 | 15°D14 | 20°34 | 14°28 | 12°31 | 13°R45 | 18°23 | 1°37 | 2°12 | 15°25 | 16°19 | 29°45 | n.a. | S 11 |
| M12 | 0 16 25 | 3° 0'20 | 18°47 | 15°18 | 21°45 | 15°10 | 12°32 | 13°45 | 18°27 | 1°39 | 2°14 | 15°19 | 16°15 | 29°52 | n.a. | M12 |
| T 13 | 0 20 22 | 4° 1'21 | 1♐35 | 15°32 | 22°57 | 15°52 | 12°32 | 13°45 | 18°30 | 1°41 | 2°17 | 15°16 | 16°12 | 29°58 | n.a. | T 13 |
| W14 | 0 24 18 | 5° 2'23 | 14° 1 | 15°56 | 24° 8 | 16°34 | 12°33 | 13°45 | 18°34 | 1°43 | 2°19 | 15°D15 | 16° 9 | 0♒ 5 | n.a. | W14 |
| T 15 | 0 28 15 | 6° 3'27 | 26°10 | 16°28 | 25°20 | 17°16 | 12°33 | 13°44 | 18°38 | 1°46 | 2°21 | 15°16 | 16° 6 | 0°12 | n.a. | T 15 |
| F 16 | 0 32 11 | 7° 4'31 | 8♑ 7 | 17° 8 | 26°32 | 17°58 | 12°R33 | 13°44 | 18°41 | 1°48 | 2°23 | 15°R16 | 16° 3 | 0°19 | n.a. | F 16 |
| S 17 | 0 36 8 | 8° 5'36 | 19°58 | 17°54 | 27°44 | 18°40 | 12°33 | 13°43 | 18°45 | 1°50 | 2°25 | 15°15 | 15°59 | 0°25 | n.a. | S 17 |
| S 18 | 0 40 4 | 9° 6'41 | 1♒47 | 18°47 | 28°56 | 19°23 | 12°32 | 13°43 | 18°49 | 1°52 | 2°27 | 15°12 | 15°56 | 0°32 | n.a. | S 18 |
| M19 | 0 44 1 | 10° 7'48 | 13°40 | 19°45 | 0♍ 8 | 20° 5 | 12°32 | 13°42 | 18°52 | 1°54 | 2°29 | 15° 7 | 15°53 | 0°39 | n.a. | M19 |
| T 20 | 0 47 58 | 11° 8'55 | 25°41 | 20°47 | 1°20 | 20°47 | 12°31 | 13°41 | 18°56 | 1°56 | 2°31 | 14°59 | 15°50 | 0°45 | n.a. | T 20 |
| W21 | 0 51 54 | 12°10'03 | 7♓53 | 21°54 | 2°32 | 21°30 | 12°30 | 13°40 | 18°59 | 1°58 | 2°33 | 14°49 | 15°47 | 0°52 | n.a. | W21 |
| T 22 | 0 55 51 | 13°11'12 | 20°19 | 23° 4 | 3°45 | 22°12 | 12°29 | 13°39 | 19° 3 | 2° 0 | 2°35 | 14°38 | 15°44 | 0°59 | n.a. | T 22 |
| F 23 | 0 59 47 | 14°12'21 | 3♈ 0 | 24°17 | 4°57 | 22°54 | 12°28 | 13°38 | 19° 6 | 2° 3 | 2°37 | 14°26 | 15°40 | 1° 5 | n.a. | F 23 |
| S 24 | 1 3 44 | 15°13'32 | 15°55 | 25°32 | 6°10 | 23°37 | 12°26 | 13°36 | 19°10 | 2° 5 | 2°39 | 14°15 | 15°37 | 1°12 | n.a. | S 24 |
| S 25 | 1 7 40 | 16°14'43 | 29° 5 | 26°50 | 7°22 | 24°19 | 12°24 | 13°35 | 19°13 | 2° 7 | 2°41 | 14° 6 | 15°34 | 1°19 | n.a. | S 25 |
| M26 | 1 11 37 | 17°15'55 | 12♉26 | 28°10 | 8°35 | 25° 2 | 12°22 | 13°33 | 19°17 | 2° 9 | 2°43 | 13°59 | 15°31 | 1°25 | n.a. | M26 |
| T 27 | 1 15 33 | 18°17'08 | 25°58 | 29°31 | 9°48 | 25°44 | 12°20 | 13°32 | 19°20 | 2°11 | 2°45 | 13°55 | 15°28 | 1°32 | n.a. | T 27 |
| W28 | 1 19 30 | 19°18'21 | 9♊39 | 0♎54 | 11° 1 | 26°27 | 12°18 | 13°30 | 19°24 | 2°14 | 2°46 | 13°D53 | 15°25 | 1°39 | n.a. | W28 |
| T 29 | 1 23 27 | 20°19'36 | 23°27 | 2°18 | 12°14 | 27°10 | 12°15 | 13°28 | 19°27 | 2°16 | 2°48 | 13°54 | 15°21 | 1°45 | n.a. | T 29 |
| F 30 | 1 27 23 | 21°20'52 | 7♋23 | 3°43 | 13°27 | 27°53 | 12°13 | 13°26 | 19°30 | 2°18 | 2°50 | 13°55 | 15°18 | 1°52 | n.a. | F 30 |
| S 31 | 1 31 20 | 22♎22'08 | 21♋26 | 5♎ 9 | 14♍40 | 28♍35 | 12♊10 | 13♊24 | 19♍34 | 2♏20 | 2♍52 | 13°R55 | 15♐15 | 1♒59 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 3n18 | 23n 7 | 0n20 | 1n44 | 0s47 | 19n 8 | 0n45 | 9n46 | 0n55 | 22n44 | 0n 2 | 22n23 | 0s31 | 5n34 | 0n42 | 10s33 | 1n43 | 26n32 | 16n45 | 23s14 | 23s15 | 17s29 | | | n.a. |
| F 2 | 2 53 | 23 0 | 0s53 | 2 36 | 0 27 | 18 53 | 0 48 | 9 30 | 0 54 | 22 45 | 0 2 | 22 23 | 0 31 | 5 33 | 0 42 | 10 34 | 1 43 | 26 31 | 16 45 | 23 14 | 23 15 | 17 27 | | | n.a. |
| S 3 | 2 29 | 21 26 | 2 3 | 3 27 | 0 6 | 18 37 | 0 52 | 9 14 | 0 54 | 22 45 | 0 2 | 22 23 | 0 31 | 5 31 | 0 42 | 10 34 | 1 43 | 26 30 | 16 45 | 23 14 | 23 15 | 17 25 | | | n.a. |
| S 4 | 2 4 | 18 29 | 3 8 | 4 16 | 0n14 | 18 20 | 0 55 | 8 57 | 0 54 | 22 46 | 0 2 | 22 23 | 0 31 | 5 30 | 0 42 | 10 35 | 1 43 | 26 30 | 16 45 | 23 13 | 23 14 | 17 23 | | | n.a. |
| M 5 | 1 40 | 14 22 | 4 1 | 5 2 | 0 34 | 18 3 | 0 59 | 8 41 | 0 53 | 22 46 | 0 2 | 22 23 | 0 31 | 5 28 | 0 42 | 10 36 | 1 43 | 26 29 | 16 45 | 23 13 | 23 14 | 17 21 | | | n.a. |
| T 6 | 1 15 | 9 21 | 4 39 | 5 44 | 0 53 | 17 45 | 1 2 | 8 25 | 0 53 | 22 47 | 0 2 | 22 24 | 0 31 | 5 27 | 0 42 | 10 37 | 1 43 | 26 28 | 16 46 | 23 12 | 23 14 | 17 19 | | | n.a. |
| W 7 | 0 50 | 3 48 | 4 58 | 6 21 | 1 10 | 17 27 | 1 5 | 8 8 | 0 52 | 22 47 | 0 3 | 22 24 | 0 31 | 5 25 | 0 42 | 10 37 | 1 43 | 26 28 | 16 46 | 23 11 | 23 13 | 17 17 | | | n.a. |
| T 8 | 0 26 | 1s55 | 4 58 | 6 52 | 1 25 | 17 8 | 1 8 | 7 51 | 0 52 | 22 47 | 0 3 | 22 24 | 0 31 | 5 24 | 0 42 | 10 38 | 1 43 | 26 27 | 16 46 | 23 10 | 23 13 | 17 15 | | | n.a. |
| F 9 | 0 1 | 7 26 | 4 39 | 7 17 | 1 39 | 16 49 | 1 11 | 7 35 | 0 52 | 22 48 | 0 3 | 22 24 | 0 31 | 5 22 | 0 42 | 10 39 | 1 43 | 26 26 | 16 46 | 23 8 | 23 13 | 17 13 | | | n.a. |
| S 10 | 0s24 | 12 27 | 4 3 | 7 35 | 1 51 | 16 29 | 1 14 | 7 18 | 0 51 | 22 48 | 0 3 | 22 24 | 0 31 | 5 21 | 0 42 | 10 39 | 1 43 | 26 26 | 16 47 | 23 7 | 23 12 | 17 11 | | | n.a. |
| S 11 | 0 48 | 16 41 | 3 14 | 7 47 | 2 1 | 16 8 | 1 17 | 7 1 | 0 51 | 22 48 | 0 3 | 22 24 | 0 31 | 5 20 | 0 42 | 10 40 | 1 43 | 26 25 | 16 47 | 23 6 | 23 12 | 17 9 | | | n.a. |
| M12 | 1 13 | 19 56 | 2 16 | 7 53 | 2 9 | 15 48 | 1 20 | 6 44 | 0 51 | 22 49 | 0 3 | 22 24 | 0 31 | 5 18 | 0 42 | 10 41 | 1 43 | 26 25 | 16 47 | 23 6 | 23 12 | 17 7 | | | n.a. |
| T 13 | 1 38 | 22 4 | 1 12 | 7 53 | 2 15 | 15 26 | 1 22 | 6 27 | 0 50 | 22 49 | 0 3 | 22 24 | 0 31 | 5 17 | 0 42 | 10 42 | 1 43 | 26 24 | 16 48 | 23 5 | 23 11 | 17 5 | | | n.a. |
| W14 | 2 2 | 23 3 | 0 7 | 7 48 | 2 20 | 15 4 | 1 25 | 6 10 | 0 50 | 22 49 | 0 4 | 22 24 | 0 31 | 5 15 | 0 42 | 10 42 | 1 43 | 26 24 | 16 48 | 23 5 | 23 11 | 17 3 | | | n.a. |
| T 15 | 2 27 | 22 54 | 0n58 | 7 39 | 2 24 | 14 42 | 1 27 | 5 53 | 0 49 | 22 49 | 0 4 | 22 24 | 0 31 | 5 14 | 0 42 | 10 43 | 1 43 | 26 23 | 16 48 | 23 5 | 23 11 | 17 1 | | | n.a. |
| F 16 | 2 52 | 21 42 | 1 59 | 7 25 | 2 26 | 14 19 | 1 30 | 5 36 | 0 49 | 22 49 | 0 4 | 22 24 | 0 31 | 5 12 | 0 42 | 10 44 | 1 43 | 26 23 | 16 48 | 23 5 | 23 10 | 16 59 | | | n.a. |
| S 17 | 3 16 | 19 32 | 2 54 | 7 7 | 2 27 | 13 56 | 1 32 | 5 19 | 0 48 | 22 49 | 0 4 | 22 24 | 0 31 | 5 11 | 0 42 | 10 45 | 1 43 | 26 22 | 16 49 | 23 5 | 23 10 | 16 57 | | | n.a. |
| S 18 | 3 41 | 16 34 | 3 41 | 6 46 | 2 27 | 13 33 | 1 34 | 5 1 | 0 48 | 22 50 | 0 4 | 22 24 | 0 31 | 5 9 | 0 42 | 10 46 | 1 43 | 26 22 | 16 49 | 23 5 | 23 10 | 16 55 | | | n.a. |
| M19 | 4 5 | 12 55 | 4 19 | 6 22 | 2 26 | 13 9 | 1 36 | 4 44 | 0 48 | 22 50 | 0 4 | 22 24 | 0 30 | 5 8 | 0 42 | 10 46 | 1 43 | 26 21 | 16 49 | 23 4 | 23 9 | 16 53 | | | n.a. |
| T 20 | 4 30 | 8 44 | 4 47 | 5 55 | 2 24 | 12 44 | 1 38 | 4 27 | 0 47 | 22 50 | 0 5 | 22 24 | 0 30 | 5 7 | 0 42 | 10 47 | 1 43 | 26 21 | 16 50 | 23 3 | 23 9 | 16 51 | | | n.a. |
| W21 | 4 54 | 4 8 | 5 1 | 5 26 | 2 22 | 12 20 | 1 40 | 4 9 | 0 47 | 22 50 | 0 5 | 22 24 | 0 30 | 5 5 | 0 42 | 10 48 | 1 43 | 26 20 | 16 50 | 23 2 | 23 9 | 16 48 | | | n.a. |
| T 22 | 5 18 | 0n42 | 5 2 | 4 55 | 2 18 | 11 55 | 1 42 | 3 52 | 0 46 | 22 50 | 0 5 | 22 24 | 0 30 | 5 4 | 0 42 | 10 49 | 1 42 | 26 20 | 16 50 | 23 1 | 23 8 | 16 46 | | | n.a. |
| F 23 | 5 43 | 5 36 | 4 48 | 4 22 | 2 15 | 11 29 | 1 43 | 3 34 | 0 46 | 22 50 | 0 5 | 22 24 | 0 30 | 5 2 | 0 42 | 10 49 | 1 42 | 26 19 | 16 51 | 23 0 | 23 8 | 16 44 | | | n.a. |
| S 24 | 6 7 | 10 21 | 4 19 | 3 48 | 2 10 | 11 3 | 1 45 | 3 17 | 0 45 | 22 50 | 0 5 | 22 24 | 0 30 | 5 1 | 0 42 | 10 50 | 1 42 | 26 19 | 16 51 | 22 58 | 23 8 | 16 42 | | | n.a. |
| S 25 | 6 31 | 14 43 | 3 36 | 3 12 | 2 6 | 10 37 | 1 46 | 2 59 | 0 45 | 22 50 | 0 5 | 22 23 | 0 30 | 5 0 | 0 42 | 10 51 | 1 42 | 26 19 | 16 52 | 22 57 | 23 7 | 16 40 | | | n.a. |
| M26 | 6 55 | 18 25 | 2 40 | 2 35 | 2 1 | 10 10 | 1 48 | 2 41 | 0 44 | 22 49 | 0 6 | 22 23 | 0 30 | 4 58 | 0 42 | 10 52 | 1 42 | 26 18 | 16 52 | 22 56 | 23 7 | 16 38 | | | n.a. |
| T 27 | 7 19 | 21 10 | 1 35 | 1 57 | 1 55 | 9 44 | 1 49 | 2 24 | 0 44 | 22 49 | 0 6 | 22 23 | 0 30 | 4 57 | 0 42 | 10 53 | 1 42 | 26 18 | 16 52 | 22 56 | 23 7 | 16 36 | | | n.a. |
| W28 | 7 42 | 22 43 | 0 23 | 1 18 | 1 49 | 9 16 | 1 50 | 2 6 | 0 44 | 22 49 | 0 6 | 22 23 | 0 30 | 4 56 | 0 42 | 10 53 | 1 42 | 26 17 | 16 53 | 22 56 | 23 6 | 16 34 | | | n.a. |
| T 29 | 8 6 | 22 54 | 0s51 | 0 39 | 1 43 | 8 49 | 1 51 | 1 48 | 0 43 | 22 49 | 0 6 | 22 23 | 0 30 | 4 54 | 0 42 | 10 54 | 1 42 | 26 17 | 16 53 | 22 56 | 23 6 | 16 32 | | | n.a. |
| F 30 | 8 29 | 21 40 | 2 3 | 0s 1 | 1 37 | 8 21 | 1 52 | 1 31 | 0 43 | 22 49 | 0 6 | 22 23 | 0 30 | 4 53 | 0 42 | 10 55 | 1 42 | 26 17 | 16 54 | 22 56 | 23 6 | 16 30 | | | n.a. |
| S 31 | 8s53 | 19n 5 | 3s 8 | 0s42 | 1n31 | 7n53 | 1n53 | 1n13 | 0n42 | 22n49 | 0n 6 | 22n22 | 0s30 | 4n52 | 0n42 | 10s56 | 1n42 | 26n17 | 16n54 | 22s56 | 23s 5 | 16s28 | | | n.a. |

Julian Day Number = 1001058.5, Delta T = 12h51m08s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'55, Lahiri = -31°08'55 Julian Calendar 1 Oct. 1973 BCE == Greg. Calendar 14 Sept. 1973 BCE

The year -1972 astronomical counting style corresponds to year 1973 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## NOVEMBER 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 35 16 | 23♎23'26 | 5♌34 | 6♎36 | 15♍53 | 29♍18 | 12°R 7 | 13°R22 | 19♍37 | 2♏23 | 2♍54 | 13°R55 | 15♐12 | 2♒ 6 | n.a. | S 1 |
| M 2 | 1 39 13 | 24°24'44 | 19°47 | 8° 3 | 17° 7 | 0♎ 1 | 12♊ 3 | 13♊19 | 19°40 | 2°25 | 2°55 | 13♐52 | 15° 9 | 2°12 | n.a. | M 2 |
| T 3 | 1 43 9 | 25°26'02 | 4♍ 2 | 9°31 | 18°20 | 0°44 | 12° 0 | 13°17 | 19°44 | 2°27 | 2°57 | 13°47 | 15° 5 | 2°19 | n.a. | T 3 |
| W 4 | 1 47 6 | 26°27'22 | 18°16 | 11° 0 | 19°33 | 1°27 | 11°56 | 13°14 | 19°47 | 2°29 | 2°59 | 13°40 | 15° 2 | 2°26 | n.a. | W 4 |
| T 5 | 1 51 2 | 27°28'42 | 2♎24 | 12°29 | 20°47 | 2°10 | 11°52 | 13°12 | 19°50 | 2°32 | 3° 0 | 13°32 | 14°59 | 2°32 | n.a. | T 5 |
| F 6 | 1 54 59 | 28°30'02 | 16°22 | 13°59 | 22° 0 | 2°53 | 11°48 | 13° 9 | 19°53 | 2°34 | 3° 2 | 13°24 | 14°56 | 2°39 | n.a. | F 6 |
| S 7 | 1 58 56 | 29°31'23 | 0♏ 5 | 15°29 | 23°14 | 3°36 | 11°44 | 13° 6 | 19°56 | 2°36 | 3° 3 | 13°17 | 14°53 | 2°46 | n.a. | S 7 |
| S 8 | 2 2 52 | 0♏32'44 | 13°29 | 16°59 | 24°28 | 4°19 | 11°40 | 13° 3 | 19°59 | 2°38 | 3° 5 | 13°12 | 14°50 | 2°52 | n.a. | S 8 |
| M 9 | 2 6 49 | 1°34'05 | 26°33 | 18°30 | 25°41 | 5° 2 | 11°35 | 13° 0 | 20° 2 | 2°41 | 3° 6 | 13° 8 | 14°46 | 2°59 | n.a. | M 9 |
| T 10 | 2 10 45 | 2°35'26 | 9♐18 | 20° 1 | 26°55 | 5°45 | 11°30 | 12°57 | 20° 5 | 2°43 | 3° 8 | 13°D 7 | 14°43 | 3° 6 | n.a. | T 10 |
| W11 | 2 14 42 | 3°36'48 | 21°44 | 21°32 | 28° 9 | 6°28 | 11°25 | 12°54 | 20° 8 | 2°45 | 3° 9 | 13° 7 | 14°40 | 3°12 | n.a. | W11 |
| T 12 | 2 18 38 | 4°38'09 | 3♑54 | 23° 4 | 29°22 | 7°12 | 11°20 | 12°51 | 20°11 | 2°48 | 3°11 | 13° 8 | 14°37 | 3°19 | n.a. | T 12 |
| F 13 | 2 22 35 | 5°39'30 | 15°53 | 24°36 | 0♎36 | 7°55 | 11°15 | 12°48 | 20°14 | 2°50 | 3°12 | 13°10 | 14°34 | 3°26 | n.a. | F 13 |
| S 14 | 2 26 32 | 6°40'50 | 27°44 | 26° 8 | 1°50 | 8°38 | 11°10 | 12°44 | 20°17 | 2°52 | 3°14 | 13°11 | 14°30 | 3°32 | n.a. | S 14 |
| S 15 | 2 30 28 | 7°42'11 | 9♒35 | 27°41 | 3° 4 | 9°21 | 11° 4 | 12°41 | 20°20 | 2°54 | 3°15 | 13°R12 | 14°27 | 3°39 | n.a. | S 15 |
| M16 | 2 34 25 | 8°43'31 | 21°28 | 29°13 | 4°18 | 10° 5 | 10°58 | 12°37 | 20°23 | 2°57 | 3°16 | 13°11 | 14°24 | 3°46 | n.a. | M16 |
| T 17 | 2 38 21 | 9°44'50 | 3♓30 | 0♏47 | 5°32 | 10°48 | 10°52 | 12°34 | 20°26 | 2°59 | 3°17 | 13° 8 | 14°21 | 3°53 | n.a. | T 17 |
| W18 | 2 42 18 | 10°46'09 | 15°44 | 2°20 | 6°46 | 11°32 | 10°46 | 12°30 | 20°28 | 3° 1 | 3°19 | 13° 4 | 14°18 | 3°59 | n.a. | W18 |
| T 19 | 2 46 14 | 11°47'28 | 28°15 | 3°54 | 8° 0 | 12°15 | 10°40 | 12°26 | 20°31 | 3° 3 | 3°20 | 12°59 | 14°15 | 4° 6 | n.a. | T 19 |
| F 20 | 2 50 11 | 12°48'46 | 11♈ 4 | 5°28 | 9°14 | 12°59 | 10°34 | 12°22 | 20°34 | 3° 6 | 3°21 | 12°54 | 14°11 | 4°13 | n.a. | F 20 |
| S 21 | 2 54 7 | 13°50'03 | 24°13 | 7° 2 | 10°28 | 13°42 | 10°28 | 12°18 | 20°36 | 3° 8 | 3°22 | 12°49 | 14° 8 | 4°19 | n.a. | S 21 |
| S 22 | 2 58 4 | 14°51'21 | 7♉41 | 8°37 | 11°42 | 14°26 | 10°21 | 12°14 | 20°39 | 3°10 | 3°23 | 12°45 | 14° 5 | 4°26 | n.a. | S 22 |
| M23 | 3 2 1 | 15°52'37 | 21°26 | 10°12 | 12°56 | 15° 9 | 10°14 | 12°10 | 20°42 | 3°12 | 3°24 | 12°42 | 14° 2 | 4°33 | n.a. | M23 |
| T 24 | 3 5 57 | 16°53'54 | 5♊25 | 11°48 | 14°10 | 15°53 | 10° 8 | 12° 6 | 20°44 | 3°15 | 3°25 | 12°40 | 13°59 | 4°39 | n.a. | T 24 |
| W25 | 3 9 54 | 17°55'10 | 19°35 | 13°24 | 15°25 | 16°37 | 10° 1 | 12° 2 | 20°47 | 3°17 | 3°27 | 12°D40 | 13°56 | 4°46 | n.a. | W25 |
| T 26 | 3 13 50 | 18°56'26 | 3♋50 | 15° 0 | 16°39 | 17°21 | 9°54 | 11°57 | 20°49 | 3°19 | 3°27 | 12°41 | 13°52 | 4°53 | n.a. | T 26 |
| F 27 | 3 17 47 | 19°57'42 | 18° 7 | 16°37 | 17°53 | 18° 4 | 9°47 | 11°53 | 20°51 | 3°21 | 3°28 | 12°43 | 13°49 | 4°59 | n.a. | F 27 |
| S 28 | 3 21 43 | 20°58'57 | 2♌24 | 18°14 | 19° 7 | 18°48 | 9°40 | 11°49 | 20°54 | 3°23 | 3°29 | 12°44 | 13°46 | 5° 6 | n.a. | S 28 |
| S 29 | 3 25 40 | 22° 0'12 | 16°37 | 19°52 | 20°22 | 19°32 | 9°32 | 11°44 | 20°56 | 3°26 | 3°30 | 12°R45 | 13°43 | 5°13 | n.a. | S 29 |
| M30 | 3 29 37 | 23♏ 1'26 | 0♍44 | 21♏30 | 21♎36 | 20♎16 | 9♊25 | 11♊40 | 20♍58 | 3♏28 | 3♍31 | 12♐45 | 13♐40 | 5♒20 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s16 | 15n21 | 4s 2 | 1s23 | 1n24 | 7n25 | 1n54 | 0n55 | 0n42 | 22n48 | 0n 6 | 22n22 | 0s30 | 4n50 | 0n42 | 10s57 | 1n42 | 26n16 | 16n54 | 22s56 | 23s 5 | 16s26 | | n.a. |
| M 2 | 9 39 | 10 44 | 4 41 | 2 4 | 1 18 | 6 56 | 1 54 | 0 37 | 0 41 | 22 48 | 0 7 | 22 22 | 0 30 | 4 49 | 0 42 | 10 57 | 1 42 | 26 16 | 16 55 | 22 55 | 23 4 | 16 24 | | n.a. |
| T 3 | 10 2 | 5 32 | 5 3 | 2 46 | 1 11 | 6 28 | 1 55 | 0 19 | 0 41 | 22 48 | 0 7 | 22 22 | 0 30 | 4 48 | 0 42 | 10 58 | 1 42 | 26 16 | 16 55 | 22 55 | 23 4 | 16 21 | | n.a. |
| W 4 | 10 24 | 0 2 | 5 7 | 3 27 | 1 4 | 5 59 | 1 56 | 0 2 | 0 40 | 22 47 | 0 7 | 22 21 | 0 30 | 4 46 | 0 42 | 10 59 | 1 42 | 26 16 | 16 56 | 22 54 | 23 4 | 16 19 | | n.a. |
| T 5 | 10 47 | 5s25 | 4 51 | 4 9 | 0 57 | 5 30 | 1 56 | 0s16 | 0 40 | 22 47 | 0 7 | 22 21 | 0 29 | 4 45 | 0 42 | 11 0 | 1 42 | 26 15 | 16 56 | 22 53 | 23 3 | 16 17 | | n.a. |
| F 6 | 11 9 | 10 31 | 4 19 | 4 51 | 0 51 | 5 0 | 1 56 | 0 34 | 0 39 | 22 47 | 0 7 | 22 21 | 0 29 | 4 44 | 0 42 | 11 1 | 1 42 | 26 15 | 16 57 | 22 52 | 23 3 | 16 15 | | n.a. |
| S 7 | 11 32 | 15 1 | 3 32 | 5 33 | 0 44 | 4 31 | 1 56 | 0 52 | 0 39 | 22 46 | 0 8 | 22 21 | 0 29 | 4 43 | 0 42 | 11 1 | 1 42 | 26 15 | 16 57 | 22 51 | 23 3 | 16 13 | | n.a. |
| S 8 | 11 54 | 18 38 | 2 34 | 6 14 | 0 37 | 4 1 | 1 57 | 1 10 | 0 38 | 22 46 | 0 8 | 22 20 | 0 29 | 4 41 | 0 42 | 11 2 | 1 42 | 26 15 | 16 58 | 22 50 | 23 2 | 16 11 | | n.a. |
| M 9 | 12 15 | 21 13 | 1 29 | 6 56 | 0 30 | 3 31 | 1 57 | 1 28 | 0 38 | 22 45 | 0 8 | 22 20 | 0 29 | 4 40 | 0 42 | 11 3 | 1 42 | 26 15 | 16 58 | 22 50 | 23 2 | 16 9 | | n.a. |
| T 10 | 12 37 | 22 38 | 0 21 | 7 38 | 0 23 | 3 2 | 1 56 | 1 46 | 0 37 | 22 45 | 0 8 | 22 20 | 0 29 | 4 39 | 0 42 | 11 4 | 1 42 | 26 14 | 16 59 | 22 50 | 23 2 | 16 7 | | n.a. |
| W11 | 12 58 | 22 53 | 0n47 | 8 19 | 0 16 | 2 31 | 1 56 | 2 4 | 0 36 | 22 44 | 0 8 | 22 19 | 0 29 | 4 38 | 0 42 | 11 5 | 1 42 | 26 14 | 16 59 | 22 50 | 23 1 | 16 5 | | n.a. |
| T 12 | 13 19 | 22 1 | 1 51 | 9 0 | 0 9 | 2 1 | 1 56 | 2 22 | 0 36 | 22 44 | 0 8 | 22 19 | 0 29 | 4 37 | 0 43 | 11 5 | 1 42 | 26 14 | 17 0 | 22 50 | 23 1 | 16 3 | | n.a. |
| F 13 | 13 40 | 20 9 | 2 49 | 9 41 | 0 2 | 1 31 | 1 56 | 2 40 | 0 35 | 22 43 | 0 9 | 22 19 | 0 29 | 4 35 | 0 43 | 11 6 | 1 42 | 26 14 | 17 0 | 22 50 | 23 0 | 16 0 | | n.a. |
| S 14 | 14 1 | 17 27 | 3 39 | 10 21 | 0s 4 | 1 1 | 1 55 | 2 58 | 0 35 | 22 43 | 0 9 | 22 18 | 0 29 | 4 34 | 0 43 | 11 7 | 1 42 | 26 14 | 17 1 | 22 50 | 23 0 | 15 58 | | n.a. |
| S 15 | 14 21 | 14 2 | 4 20 | 11 2 | 0 11 | 0 30 | 1 55 | 3 15 | 0 34 | 22 42 | 0 9 | 22 18 | 0 29 | 4 33 | 0 43 | 11 8 | 1 42 | 26 14 | 17 1 | 22 50 | 23 0 | 15 56 | | n.a. |
| M16 | 14 42 | 10 3 | 4 50 | 11 42 | 0 18 | 0s 0 | 1 54 | 3 33 | 0 34 | 22 41 | 0 9 | 22 17 | 0 29 | 4 32 | 0 43 | 11 9 | 1 42 | 26 14 | 17 2 | 22 50 | 22 59 | 15 54 | | n.a. |
| T 17 | 15 2 | 5 39 | 5 8 | 12 21 | 0 24 | 0 31 | 1 54 | 3 51 | 0 33 | 22 41 | 0 9 | 22 17 | 0 29 | 4 31 | 0 43 | 11 9 | 1 42 | 26 14 | 17 2 | 22 50 | 22 59 | 15 52 | | n.a. |
| W18 | 15 21 | 0 57 | 5 12 | 13 0 | 0 30 | 1 1 | 1 53 | 4 9 | 0 33 | 22 40 | 0 9 | 22 17 | 0 29 | 4 30 | 0 43 | 11 10 | 1 42 | 26 14 | 17 3 | 22 49 | 22 59 | 15 50 | | n.a. |
| T 19 | 15 41 | 3n53 | 5 1 | 13 39 | 0 37 | 1 32 | 1 52 | 4 27 | 0 32 | 22 39 | 0 10 | 22 16 | 0 28 | 4 29 | 0 43 | 11 11 | 1 42 | 26 14 | 17 3 | 22 49 | 22 58 | 15 48 | | n.a. |
| F 20 | 16 0 | 8 41 | 4 36 | 14 17 | 0 43 | 2 2 | 1 51 | 4 45 | 0 31 | 22 38 | 0 10 | 22 16 | 0 28 | 4 28 | 0 43 | 11 12 | 1 42 | 26 14 | 17 4 | 22 48 | 22 58 | 15 46 | | n.a. |
| S 21 | 16 19 | 13 12 | 3 55 | 14 54 | 0 49 | 2 33 | 1 50 | 5 2 | 0 31 | 22 38 | 0 10 | 22 15 | 0 28 | 4 27 | 0 43 | 11 12 | 1 42 | 26 14 | 17 4 | 22 47 | 22 57 | 15 43 | | n.a. |
| S 22 | 16 37 | 17 11 | 3 0 | 15 31 | 0 55 | 3 3 | 1 49 | 5 20 | 0 30 | 22 37 | 0 10 | 22 15 | 0 28 | 4 26 | 0 43 | 11 13 | 1 42 | 26 14 | 17 5 | 22 47 | 22 57 | 15 41 | | n.a. |
| M23 | 16 55 | 20 19 | 1 54 | 16 8 | 1 0 | 3 33 | 1 48 | 5 38 | 0 30 | 22 36 | 0 10 | 22 14 | 0 28 | 4 25 | 0 43 | 11 14 | 1 42 | 26 14 | 17 5 | 22 47 | 22 57 | 15 39 | | n.a. |
| T 24 | 17 13 | 22 17 | 0 40 | 16 43 | 1 6 | 4 4 | 1 47 | 5 56 | 0 29 | 22 35 | 0 10 | 22 14 | 0 28 | 4 24 | 0 43 | 11 15 | 1 42 | 26 14 | 17 6 | 22 46 | 22 56 | 15 37 | | n.a. |
| W25 | 17 31 | 22 52 | 0s38 | 17 18 | 1 11 | 4 34 | 1 45 | 6 13 | 0 28 | 22 34 | 0 11 | 22 13 | 0 28 | 4 23 | 0 43 | 11 16 | 1 42 | 26 14 | 17 6 | 22 46 | 22 56 | 15 35 | | n.a. |
| T 26 | 17 48 | 21 58 | 1 54 | 17 53 | 1 16 | 5 4 | 1 44 | 6 31 | 0 28 | 22 33 | 0 11 | 22 13 | 0 28 | 4 22 | 0 43 | 11 16 | 1 42 | 26 15 | 17 7 | 22 46 | 22 55 | 15 33 | | n.a. |
| F 27 | 18 5 | 19 39 | 3 3 | 18 26 | 1 21 | 5 35 | 1 43 | 6 49 | 0 27 | 22 33 | 0 11 | 22 12 | 0 28 | 4 21 | 0 43 | 11 17 | 1 42 | 26 15 | 17 7 | 22 47 | 22 55 | 15 31 | | n.a. |
| S 28 | 18 22 | 16 7 | 4 1 | 18 59 | 1 26 | 6 5 | 1 41 | 7 6 | 0 27 | 22 32 | 0 11 | 22 12 | 0 28 | 4 20 | 0 43 | 11 18 | 1 42 | 26 15 | 17 8 | 22 47 | 22 55 | 15 28 | | n.a. |
| S 29 | 18 38 | 11 40 | 4 43 | 19 31 | 1 30 | 6 35 | 1 40 | 7 24 | 0 26 | 22 31 | 0 11 | 22 11 | 0 28 | 4 19 | 0 43 | 11 19 | 1 42 | 26 15 | 17 9 | 22 47 | 22 54 | 15 26 | | n.a. |
| M30 | 18s54 | 6n38 | 5s 9 | 20s 1 | 1s35 | 7s 4 | 1n38 | 7s41 | 0n25 | 22n30 | 0n11 | 22n11 | 0s28 | 4n18 | 0n43 | 11s19 | 1n42 | 26n15 | 17n 9 | 22s47 | 22s54 | 15s24 | | n.a. |

Julian Day Number = 1001089.5, Delta T = 12h51m06s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'51, Lahiri = -31°08'50 Julian Calendar 1 Nov. 1973 BCE == Greg. Calendar 15 Oct. 1973 BCE


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# ASTRODIENST EPHEMERIS for the year 1973 BCE
# geocentric

## DECEMBER 1973 BCE (-1972) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 33 33 | 24♏ 2'40 | 14♍43 | 23♏ 9 | 22♎50 | 21♎ 0 | 9°R17 | 11°R35 | 21♍ 0 | 3♏30 | 3♍32 | 12°R44 | 13♐36 | 5♒26 | n.a. | T 1 |
| W 2 | 3 37 30 | 25° 3'54 | 28°34 | 24°48 | 24° 5 | 21°44 | 9♊10 | 11♊31 | 21° 3 | 3°32 | 3°33 | 12♐42 | 13°33 | 5°33 | n.a. | W 2 |
| T 3 | 3 41 26 | 26° 5'07 | 12♎14 | 26°28 | 25°19 | 22°28 | 9° 2 | 11°26 | 21° 5 | 3°34 | 3°33 | 12°40 | 13°30 | 5°40 | n.a. | T 3 |
| F 4 | 3 45 23 | 27° 6'19 | 25°42 | 28° 9 | 26°33 | 23°12 | 8°54 | 11°21 | 21° 7 | 3°36 | 3°34 | 12°37 | 13°27 | 5°46 | n.a. | F 4 |
| S 5 | 3 49 19 | 28° 7'31 | 8♏58 | 29°49 | 27°48 | 23°56 | 8°47 | 11°17 | 21° 9 | 3°39 | 3°35 | 12°35 | 13°24 | 5°53 | n.a. | S 5 |
| S 6 | 3 53 16 | 29° 8'42 | 21°59 | 1♐31 | 29° 2 | 24°40 | 8°39 | 11°12 | 21°11 | 3°41 | 3°35 | 12°34 | 13°21 | 6° 0 | n.a. | S 6 |
| M 7 | 3 57 13 | 0♐ 9'52 | 4♐46 | 3°13 | 0♏16 | 25°24 | 8°31 | 11° 7 | 21°13 | 3°43 | 3°36 | 12°33 | 13°17 | 6° 6 | n.a. | M 7 |
| T 8 | 4 1 9 | 1°11'01 | 17°18 | 4°55 | 1°31 | 26° 8 | 8°23 | 11° 2 | 21°15 | 3°45 | 3°36 | 12°D33 | 13°14 | 6°13 | n.a. | T 8 |
| W 9 | 4 5 6 | 2°12'09 | 29°37 | 6°38 | 2°45 | 26°52 | 8°15 | 10°58 | 21°16 | 3°47 | 3°37 | 12°33 | 13°11 | 6°20 | n.a. | W 9 |
| T 10 | 4 9 2 | 3°13'16 | 11♑44 | 8°22 | 3°59 | 27°37 | 8° 7 | 10°53 | 21°18 | 3°49 | 3°37 | 12°34 | 13° 8 | 6°27 | n.a. | T 10 |
| F 11 | 4 12 59 | 4°14'21 | 23°42 | 10° 6 | 5°14 | 28°21 | 7°59 | 10°48 | 21°20 | 3°51 | 3°38 | 12°35 | 13° 5 | 6°33 | n.a. | F 11 |
| S 12 | 4 16 55 | 5°15'26 | 5♒35 | 11°50 | 6°28 | 29° 5 | 7°51 | 10°43 | 21°22 | 3°53 | 3°38 | 12°36 | 13° 2 | 6°40 | n.a. | S 12 |
| S 13 | 4 20 52 | 6°16'28 | 17°25 | 13°35 | 7°43 | 29°50 | 7°43 | 10°38 | 21°23 | 3°55 | 3°39 | 12°37 | 12°58 | 6°47 | n.a. | S 13 |
| M14 | 4 24 48 | 7°17'30 | 29°18 | 15°20 | 8°57 | 0♏34 | 7°35 | 10°33 | 21°25 | 3°57 | 3°39 | 12°37 | 12°55 | 6°53 | n.a. | M14 |
| T 15 | 4 28 45 | 8°18'30 | 11♓18 | 17° 5 | 10°11 | 1°18 | 7°27 | 10°28 | 21°26 | 3°59 | 3°39 | 12°R37 | 12°52 | 7° 0 | n.a. | T 15 |
| W16 | 4 32 42 | 9°19'28 | 23°30 | 18°50 | 11°26 | 2° 3 | 7°19 | 10°23 | 21°28 | 4° 1 | 3°40 | 12°37 | 12°49 | 7° 7 | n.a. | W16 |
| T 17 | 4 36 38 | 10°20'24 | 5♈59 | 20°35 | 12°40 | 2°47 | 7°11 | 10°19 | 21°29 | 4° 3 | 3°40 | 12°37 | 12°46 | 7°13 | n.a. | T 17 |
| F 18 | 4 40 35 | 11°21'20 | 18°48 | 22°21 | 13°55 | 3°32 | 7° 3 | 10°14 | 21°31 | 4° 5 | 3°40 | 12°37 | 12°42 | 7°20 | n.a. | F 18 |
| S 19 | 4 44 31 | 12°22'13 | 2♉ 0 | 24° 6 | 15° 9 | 4°16 | 6°55 | 10° 9 | 21°32 | 4° 7 | 3°40 | 12°D36 | 12°39 | 7°27 | n.a. | S 19 |
| S 20 | 4 48 28 | 13°23'05 | 15°36 | 25°50 | 16°23 | 5° 1 | 6°47 | 10° 4 | 21°33 | 4° 8 | 3°40 | 12°37 | 12°36 | 7°33 | n.a. | S 20 |
| M21 | 4 52 24 | 14°23'56 | 29°35 | 27°33 | 17°38 | 5°45 | 6°39 | 9°59 | 21°34 | 4°10 | 3°40 | 12°37 | 12°33 | 7°40 | n.a. | M21 |
| T 22 | 4 56 21 | 15°24'45 | 13♊55 | 29°16 | 18°52 | 6°30 | 6°31 | 9°54 | 21°36 | 4°12 | 3°40 | 12°R37 | 12°30 | 7°47 | n.a. | T 22 |
| W23 | 5 0 18 | 16°25'32 | 28°31 | 0♋57 | 20° 7 | 7°14 | 6°24 | 9°49 | 21°37 | 4°14 | 3°R40 | 12°37 | 12°27 | 7°54 | n.a. | W23 |
| T 24 | 5 4 14 | 17°26'18 | 13♋16 | 2°36 | 21°21 | 7°59 | 6°16 | 9°44 | 21°38 | 4°16 | 3°40 | 12°36 | 12°23 | 8° 0 | n.a. | T 24 |
| F 25 | 5 8 11 | 18°27'03 | 28° 2 | 4°13 | 22°35 | 8°44 | 6° 8 | 9°39 | 21°39 | 4°18 | 3°40 | 12°36 | 12°20 | 8° 7 | n.a. | F 25 |
| S 26 | 5 12 7 | 19°27'46 | 12♌44 | 5°47 | 23°50 | 9°28 | 6° 1 | 9°35 | 21°40 | 4°19 | 3°40 | 12°35 | 12°17 | 8°14 | n.a. | S 26 |
| S 27 | 5 16 4 | 20°28'28 | 27°15 | 7°18 | 25° 4 | 10°13 | 5°53 | 9°30 | 21°41 | 4°21 | 3°40 | 12°34 | 12°14 | 8°20 | n.a. | S 27 |
| M28 | 5 20 0 | 21°29'08 | 11♍30 | 8°45 | 26°18 | 10°58 | 5°45 | 9°25 | 21°41 | 4°23 | 3°40 | 12°34 | 12°11 | 8°27 | n.a. | M28 |
| T 29 | 5 23 57 | 22°29'47 | 25°29 | 10° 7 | 27°33 | 11°43 | 5°38 | 9°20 | 21°42 | 4°24 | 3°40 | 12°D34 | 12° 8 | 8°34 | n.a. | T 29 |
| W30 | 5 27 53 | 23°30'25 | 9♎ 9 | 11°25 | 28°47 | 12°27 | 5°31 | 9°16 | 21°43 | 4°26 | 3°39 | 12°34 | 12° 4 | 8°41 | n.a. | W30 |
| T 31 | 5 31 50 | 24♐31'01 | 22♎32 | 12♋36 | 0♐ 2 | 13♏12 | 5♊23 | 9♊11 | 21♍44 | 4♏28 | 3♍39 | 12♐35 | 12♐ 1 | 8♒47 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 19s10 | 1n18 | 5s15 | 20s31 | 1s39 | 7s34 | 1n36 | 7s58 | 0n25 | 22n29 | 0n12 | 22n10 | 0s27 | 4n17 | 0n43 | 11s20 | 1n42 | 26n15 | 17n10 | 22s47 | 22s53 | 15s22 | | n.a. | |
| W 2 | 19 25 | 4s 2 | 5 4 | 21 0 | 1 42 | 8 4 | 1 35 | 8 16 | 0 24 | 22 28 | 0 12 | 22 10 | 0 27 | 4 17 | 0 43 | 11 21 | 1 42 | 26 16 | 17 10 | 22 47 | 22 53 | 15 20 | | n.a. | |
| T 3 | 19 40 | 9 8 | 4 35 | 21 28 | 1 46 | 8 33 | 1 33 | 8 33 | 0 23 | 22 27 | 0 12 | 22 9 | 0 27 | 4 16 | 0 43 | 11 21 | 1 42 | 26 16 | 17 11 | 22 46 | 22 53 | 15 18 | | n.a. | |
| F 4 | 19 54 | 13 42 | 3 51 | 21 55 | 1 49 | 9 2 | 1 31 | 8 50 | 0 23 | 22 26 | 0 12 | 22 9 | 0 27 | 4 15 | 0 43 | 11 22 | 1 42 | 26 16 | 17 11 | 22 46 | 22 52 | 15 15 | | n.a. | |
| S 5 | 20 8 | 17 32 | 2 55 | 22 20 | 1 52 | 9 31 | 1 29 | 9 8 | 0 22 | 22 25 | 0 12 | 22 8 | 0 27 | 4 14 | 0 43 | 11 23 | 1 42 | 26 16 | 17 12 | 22 46 | 22 52 | 15 13 | | n.a. | |
| S 6 | 20 22 | 20 25 | 1 51 | 22 44 | 1 54 | 10 0 | 1 27 | 9 25 | 0 21 | 22 24 | 0 12 | 22 8 | 0 27 | 4 13 | 0 43 | 11 24 | 1 42 | 26 17 | 17 13 | 22 45 | 22 52 | 15 11 | | n.a. | |
| M 7 | 20 36 | 22 13 | 0 43 | 23 7 | 1 56 | 10 28 | 1 25 | 9 42 | 0 21 | 22 22 | 0 13 | 22 7 | 0 27 | 4 13 | 0 43 | 11 24 | 1 42 | 26 17 | 17 13 | 22 45 | 22 51 | 15 9 | | n.a. | |
| T 8 | 20 49 | 22 52 | 0n26 | 23 29 | 1 58 | 10 56 | 1 23 | 9 59 | 0 20 | 22 21 | 0 13 | 22 6 | 0 27 | 4 12 | 0 43 | 11 25 | 1 42 | 26 17 | 17 14 | 22 45 | 22 51 | 15 7 | | n.a. | |
| W 9 | 21 1 | 22 22 | 1 33 | 23 48 | 1 59 | 11 24 | 1 21 | 10 16 | 0 19 | 22 20 | 0 13 | 22 6 | 0 27 | 4 11 | 0 43 | 11 26 | 1 42 | 26 18 | 17 14 | 22 45 | 22 50 | 15 5 | | n.a. | |
| T 10 | 21 13 | 20 49 | 2 35 | 24 7 | 2 0 | 11 52 | 1 19 | 10 33 | 0 19 | 22 19 | 0 13 | 22 5 | 0 27 | 4 11 | 0 43 | 11 26 | 1 42 | 26 18 | 17 15 | 22 46 | 22 50 | 15 2 | | n.a. | |
| F 11 | 21 25 | 18 22 | 3 29 | 24 24 | 2 0 | 12 20 | 1 17 | 10 49 | 0 18 | 22 18 | 0 13 | 22 5 | 0 26 | 4 10 | 0 43 | 11 27 | 1 42 | 26 18 | 17 16 | 22 46 | 22 49 | 15 0 | | n.a. | |
| S 12 | 21 36 | 15 9 | 4 14 | 24 39 | 2 0 | 12 47 | 1 14 | 11 6 | 0 17 | 22 17 | 0 13 | 22 4 | 0 26 | 4 9 | 0 43 | 11 28 | 1 42 | 26 19 | 17 16 | 22 46 | 22 49 | 14 58 | | n.a. | |
| S 13 | 21 47 | 11 22 | 4 47 | 24 52 | 2 0 | 13 14 | 1 12 | 11 23 | 0 17 | 22 16 | 0 14 | 22 3 | 0 26 | 4 9 | 0 43 | 11 28 | 1 42 | 26 19 | 17 17 | 22 46 | 22 49 | 14 56 | | n.a. | |
| M14 | 21 58 | 7 8 | 5 9 | 25 4 | 1 59 | 13 40 | 1 10 | 11 39 | 0 16 | 22 14 | 0 14 | 22 3 | 0 26 | 4 8 | 0 43 | 11 29 | 1 42 | 26 20 | 17 17 | 22 46 | 22 48 | 14 54 | | n.a. | |
| T 15 | 22 8 | 2 35 | 5 17 | 25 13 | 1 57 | 14 6 | 1 7 | 11 56 | 0 15 | 22 13 | 0 14 | 22 2 | 0 26 | 4 7 | 0 43 | 11 30 | 1 42 | 26 20 | 17 18 | 22 46 | 22 48 | 14 52 | | n.a. | |
| W16 | 22 18 | 2n 8 | 5 12 | 25 21 | 1 55 | 14 32 | 1 5 | 12 12 | 0 14 | 22 12 | 0 14 | 22 2 | 0 26 | 4 7 | 0 44 | 11 30 | 1 43 | 26 20 | 17 18 | 22 46 | 22 47 | 14 49 | | n.a. | |
| T 17 | 22 27 | 6 52 | 4 52 | 25 26 | 1 52 | 14 57 | 1 3 | 12 28 | 0 14 | 22 11 | 0 14 | 22 1 | 0 26 | 4 6 | 0 44 | 11 31 | 1 43 | 26 21 | 17 19 | 22 46 | 22 47 | 14 47 | | n.a. | |
| F 18 | 22 36 | 11 27 | 4 17 | 25 30 | 1 48 | 15 23 | 1 0 | 12 44 | 0 13 | 22 10 | 0 14 | 22 0 | 0 26 | 4 6 | 0 44 | 11 32 | 1 43 | 26 21 | 17 20 | 22 46 | 22 47 | 14 45 | | n.a. | |
| S 19 | 22 44 | 15 38 | 3 27 | 25 31 | 1 44 | 15 47 | 0 58 | 13 0 | 0 12 | 22 8 | 0 14 | 22 0 | 0 26 | 4 5 | 0 44 | 11 32 | 1 43 | 26 22 | 17 20 | 22 46 | 22 46 | 14 43 | | n.a. | |
| S 20 | 22 52 | 19 8 | 2 25 | 25 30 | 1 39 | 16 11 | 0 55 | 13 16 | 0 11 | 22 7 | 0 15 | 21 59 | 0 25 | 4 5 | 0 44 | 11 33 | 1 43 | 26 22 | 17 21 | 22 46 | 22 46 | 14 41 | | n.a. | |
| M21 | 22 59 | 21 38 | 1 12 | 25 27 | 1 33 | 16 35 | 0 53 | 13 32 | 0 11 | 22 6 | 0 15 | 21 59 | 0 25 | 4 4 | 0 44 | 11 33 | 1 43 | 26 23 | 17 21 | 22 46 | 22 45 | 14 38 | | n.a. | |
| T 22 | 23 6 | 22 49 | 0s 7 | 25 22 | 1 27 | 16 59 | 0 50 | 13 48 | 0 10 | 22 5 | 0 15 | 21 58 | 0 25 | 4 4 | 0 44 | 11 34 | 1 43 | 26 23 | 17 22 | 22 46 | 22 45 | 14 36 | | n.a. | |
| W23 | 23 13 | 22 28 | 1 27 | 25 15 | 1 20 | 17 22 | 0 48 | 14 4 | 0 9 | 22 3 | 0 15 | 21 57 | 0 25 | 4 4 | 0 44 | 11 35 | 1 43 | 26 24 | 17 22 | 22 46 | 22 45 | 14 34 | | n.a. | |
| T 24 | 23 19 | 20 33 | 2 42 | 25 5 | 1 11 | 17 44 | 0 45 | 14 19 | 0 8 | 22 2 | 0 15 | 21 57 | 0 25 | 4 3 | 0 44 | 11 35 | 1 43 | 26 24 | 17 23 | 22 46 | 22 44 | 14 32 | | n.a. | |
| F 25 | 23 24 | 17 16 | 3 46 | 24 53 | 1 2 | 18 6 | 0 42 | 14 34 | 0 8 | 22 1 | 0 15 | 21 56 | 0 25 | 4 3 | 0 44 | 11 36 | 1 43 | 26 25 | 17 24 | 22 46 | 22 44 | 14 30 | | n.a. | |
| S 26 | 23 30 | 12 56 | 4 35 | 24 40 | 0 52 | 18 28 | 0 40 | 14 50 | 0 7 | 22 0 | 0 16 | 21 55 | 0 25 | 4 2 | 0 44 | 11 36 | 1 43 | 26 25 | 17 24 | 22 46 | 22 43 | 14 27 | | n.a. | |
| S 27 | 23 34 | 7 53 | 5 6 | 24 24 | 0 41 | 18 49 | 0 37 | 15 5 | 0 6 | 21 59 | 0 16 | 21 55 | 0 25 | 4 2 | 0 44 | 11 37 | 1 43 | 26 26 | 17 25 | 22 46 | 22 43 | 14 25 | | n.a. | |
| M28 | 23 38 | 2 31 | 5 17 | 24 7 | 0 30 | 19 9 | 0 35 | 15 20 | 0 5 | 21 57 | 0 16 | 21 54 | 0 25 | 4 2 | 0 44 | 11 37 | 1 43 | 26 27 | 17 25 | 22 45 | 22 42 | 14 23 | | n.a. | |
| T 29 | 23 42 | 2s53 | 5 9 | 23 49 | 0 17 | 19 29 | 0 32 | 15 35 | 0 5 | 21 56 | 0 16 | 21 54 | 0 24 | 4 2 | 0 44 | 11 38 | 1 43 | 26 27 | 17 26 | 22 45 | 22 42 | 14 21 | | n.a. | |
| W30 | 23 45 | 8 2 | 4 44 | 23 29 | 0 4 | 19 49 | 0 29 | 15 49 | 0 4 | 21 55 | 0 16 | 21 53 | 0 24 | 4 1 | 0 44 | 11 39 | 1 43 | 26 28 | 17 26 | 22 45 | 22 42 | 14 18 | | n.a. | |
| T 31 | 23s48 | 12s41 | 4s 3 | 23s 8 | 0n10 | 20s 8 | 0n27 | 16s 4 | 0n 3 | 21n54 | 0n16 | 21n52 | 0s24 | 4n 1 | 0n44 | 11s39 | 1n43 | 26n28 | 17n27 | 22s46 | 22s41 | 14s16 | | n.a. | |

Julian Day Number = 1001119.5, Delta T = 12h51m04s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'47, Lahiri = -31°08'46 Julian Calendar 1 Dec. 1973 BCE == Greg. Calendar 14 Nov. 1973 BCE

The year -1972 astronomical counting style corresponds to year 1973 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## JANUARY 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 35 47 | 25♐31'36 | 5♏39 | 13♑40 | 1♐16 | 13♏57 | 5°R16 | 9°R 6 | 21♍44 | 4♏29 | 3°R39 | 12♐36 | 11♐58 | 8♒54 | n.a. | F 1 |
| S 2 | 5 39 43 | 26°32'09 | 18°30 | 14°38 | 2°30 | 14°42 | 5♊ 9 | 9♊ 2 | 21°45 | 4°31 | 3♍39 | 12°37 | 11°55 | 9° 1 | n.a. | S 2 |
| S 3 | 5 43 40 | 27°32'41 | 1♐ 9 | 15°27 | 3°45 | 15°27 | 5° 2 | 8°57 | 21°45 | 4°32 | 3°38 | 12°38 | 11°52 | 9° 7 | n.a. | S 3 |
| M 4 | 5 47 36 | 28°33'11 | 13°36 | 16° 7 | 4°59 | 16°12 | 4°55 | 8°53 | 21°46 | 4°34 | 3°38 | 12°R38 | 11°48 | 9°14 | n.a. | M 4 |
| T 5 | 5 51 33 | 29°33'39 | 25°53 | 16°39 | 6°13 | 16°57 | 4°49 | 8°48 | 21°46 | 4°35 | 3°37 | 12°38 | 11°45 | 9°21 | n.a. | T 5 |
| W 6 | 5 55 29 | 0♑34'06 | 8♑ 1 | 17° 1 | 7°28 | 17°42 | 4°42 | 8°44 | 21°46 | 4°37 | 3°37 | 12°36 | 11°42 | 9°27 | n.a. | W 6 |
| T 7 | 5 59 26 | 1°34'30 | 20° 1 | 17°12 | 8°42 | 18°27 | 4°36 | 8°40 | 21°47 | 4°38 | 3°36 | 12°34 | 11°39 | 9°34 | n.a. | T 7 |
| F 8 | 6 3 22 | 2°34'53 | 1♒56 | 17°R14 | 9°56 | 19°12 | 4°29 | 8°35 | 21°47 | 4°40 | 3°36 | 12°31 | 11°36 | 9°41 | n.a. | F 8 |
| S 9 | 6 7 19 | 3°35'13 | 13°48 | 17° 6 | 11°11 | 19°57 | 4°23 | 8°31 | 21°47 | 4°41 | 3°35 | 12°27 | 11°33 | 9°48 | n.a. | S 9 |
| S 10 | 6 11 16 | 4°35'31 | 25°38 | 16°48 | 12°25 | 20°42 | 4°17 | 8°27 | 21°47 | 4°43 | 3°35 | 12°23 | 11°29 | 9°54 | n.a. | S 10 |
| M11 | 6 15 12 | 5°35'47 | 7♓31 | 16°20 | 13°39 | 21°27 | 4°11 | 8°23 | 21°47 | 4°44 | 3°34 | 12°20 | 11°26 | 10° 1 | n.a. | M11 |
| T 12 | 6 19 9 | 6°36'01 | 19°30 | 15°44 | 14°54 | 22°12 | 4° 5 | 8°19 | 21°R47 | 4°45 | 3°33 | 12°18 | 11°23 | 10° 8 | n.a. | T 12 |
| W13 | 6 23 5 | 7°36'13 | 1♈39 | 15° 1 | 16° 8 | 22°57 | 4° 0 | 8°15 | 21°47 | 4°47 | 3°33 | 12°17 | 11°20 | 10°14 | n.a. | W13 |
| T 14 | 6 27 2 | 8°36'22 | 14° 3 | 14°10 | 17°22 | 23°43 | 3°54 | 8°11 | 21°47 | 4°48 | 3°32 | 12°D17 | 11°17 | 10°21 | n.a. | T 14 |
| F 15 | 6 30 58 | 9°36'29 | 26°46 | 13°15 | 18°36 | 24°28 | 3°49 | 8° 7 | 21°47 | 4°49 | 3°31 | 12°18 | 11°13 | 10°28 | n.a. | F 15 |
| S 16 | 6 34 55 | 10°36'34 | 9♉52 | 12°16 | 19°51 | 25°13 | 3°44 | 8° 3 | 21°47 | 4°50 | 3°30 | 12°19 | 11°10 | 10°34 | n.a. | S 16 |
| S 17 | 6 38 51 | 11°36'36 | 23°24 | 11°14 | 21° 5 | 25°58 | 3°38 | 8° 0 | 21°47 | 4°51 | 3°29 | 12°21 | 11° 7 | 10°41 | n.a. | S 17 |
| M18 | 6 42 48 | 12°36'36 | 7♊24 | 10°11 | 22°19 | 26°43 | 3°34 | 7°56 | 21°46 | 4°53 | 3°28 | 12°R22 | 11° 4 | 10°48 | n.a. | M18 |
| T 19 | 6 46 45 | 13°36'34 | 21°50 | 9°10 | 23°33 | 27°29 | 3°29 | 7°53 | 21°46 | 4°54 | 3°28 | 12°22 | 11° 1 | 10°55 | n.a. | T 19 |
| W20 | 6 50 41 | 14°36'30 | 6♋39 | 8°10 | 24°47 | 28°14 | 3°24 | 7°49 | 21°45 | 4°55 | 3°27 | 12°20 | 10°58 | 11° 1 | n.a. | W20 |
| T 21 | 6 54 38 | 15°36'24 | 21°43 | 7°13 | 26° 2 | 28°59 | 3°20 | 7°46 | 21°45 | 4°56 | 3°26 | 12°16 | 10°54 | 11° 8 | n.a. | T 21 |
| F 22 | 6 58 34 | 16°36'15 | 6♌54 | 6°21 | 27°16 | 29°44 | 3°16 | 7°43 | 21°44 | 4°57 | 3°25 | 12°12 | 10°51 | 11°15 | n.a. | F 22 |
| S 23 | 7 2 31 | 17°36'04 | 22° 1 | 5°33 | 28°30 | 0♐30 | 3°12 | 7°39 | 21°44 | 4°58 | 3°24 | 12° 7 | 10°48 | 11°21 | n.a. | S 23 |
| S 24 | 7 6 27 | 18°35'51 | 6♍55 | 4°51 | 29°44 | 1°15 | 3° 8 | 7°36 | 21°43 | 4°59 | 3°23 | 12° 2 | 10°45 | 11°28 | n.a. | S 24 |
| M25 | 7 10 24 | 19°35'37 | 21°28 | 4°16 | 0♑58 | 2° 0 | 3° 4 | 7°33 | 21°43 | 5° 0 | 3°22 | 11°57 | 10°42 | 11°35 | n.a. | M25 |
| T 26 | 7 14 20 | 20°35'20 | 5♎37 | 3°46 | 2°12 | 2°46 | 3° 1 | 7°30 | 21°42 | 5° 1 | 3°21 | 11°55 | 10°39 | 11°42 | n.a. | T 26 |
| W27 | 7 18 17 | 21°35'02 | 19°20 | 3°24 | 3°27 | 3°31 | 2°58 | 7°28 | 21°41 | 5° 1 | 3°19 | 11°D54 | 10°35 | 11°48 | n.a. | W27 |
| T 28 | 7 22 14 | 22°34'41 | 2♏39 | 3° 7 | 4°41 | 4°16 | 2°54 | 7°25 | 21°40 | 5° 2 | 3°18 | 11°54 | 10°32 | 11°55 | n.a. | T 28 |
| F 29 | 7 26 10 | 23°34'19 | 15°36 | 2°57 | 5°55 | 5° 2 | 2°51 | 7°22 | 21°39 | 5° 3 | 3°17 | 11°55 | 10°29 | 12° 2 | n.a. | F 29 |
| S 30 | 7 30 7 | 24°33'55 | 28°14 | 2°D54 | 7° 9 | 5°47 | 2°49 | 7°20 | 21°38 | 5° 4 | 3°16 | 11°57 | 10°26 | 12° 8 | n.a. | S 30 |
| S 31 | 7 34 3 | 25♑33'29 | 10♐37 | 2♑56 | 8♑23 | 6♐33 | 2♊46 | 7♊17 | 21♍37 | 5♏ 5 | 3♍15 | 11°R58 | 10♐23 | 12♒15 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 23s51 | 16s39 | 3s11 | 22s47 | 0n25 | 20s26 | 0n24 | 16s19 | 0n 2 | 21n53 | 0n16 | 21n52 | 0s24 | 4n 1 | 0n44 | 11s40 | 1n43 | 26n29 | 17n28 | 22s46 | 22s41 | 14s14 | | n.a. | F 1 |
| S 2 | 23 52 | 19 45 | 2 10 | 22 25 | 0 41 | 20 44 | 0 21 | 16 33 | 0 1 | 21 52 | 0 16 | 21 51 | 0 24 | 4 1 | 0 44 | 11 40 | 1 43 | 26 30 | 17 28 | 22 46 | 22 40 | 14 12 | | n.a. | S 2 |
| S 3 | 23 54 | 21 50 | 1 3 | 22 3 | 0 57 | 21 1 | 0 19 | 16 47 | 0 1 | 21 50 | 0 17 | 21 51 | 0 24 | 4 0 | 0 44 | 11 41 | 1 43 | 26 30 | 17 29 | 22 46 | 22 40 | 14 10 | | n.a. | S 3 |
| M 4 | 23 55 | 22 48 | 0n 5 | 21 42 | 1 14 | 21 18 | 0 16 | 17 1 | 0s 0 | 21 49 | 0 17 | 21 50 | 0 24 | 4 0 | 0 44 | 11 41 | 1 43 | 26 31 | 17 29 | 22 46 | 22 39 | 14 7 | | n.a. | M 4 |
| T 5 | 23 55 | 22 39 | 1 13 | 21 22 | 1 31 | 21 34 | 0 13 | 17 15 | 0 1 | 21 48 | 0 17 | 21 49 | 0 24 | 4 0 | 0 44 | 11 42 | 1 43 | 26 32 | 17 30 | 22 46 | 22 39 | 14 5 | | n.a. | T 5 |
| W 6 | 23 55 | 21 25 | 2 16 | 21 2 | 1 48 | 21 49 | 0 11 | 17 29 | 0 2 | 21 47 | 0 17 | 21 49 | 0 23 | 4 0 | 0 44 | 11 42 | 1 43 | 26 32 | 17 30 | 22 46 | 22 38 | 14 3 | | n.a. | W 6 |
| T 7 | 23 55 | 19 14 | 3 12 | 20 44 | 2 4 | 22 4 | 0 8 | 17 42 | 0 3 | 21 46 | 0 17 | 21 48 | 0 23 | 4 0 | 0 44 | 11 42 | 1 43 | 26 33 | 17 31 | 22 45 | 22 38 | 14 1 | | n.a. | T 7 |
| F 8 | 23 54 | 16 14 | 3 59 | 20 27 | 2 21 | 22 18 | 0 5 | 17 56 | 0 4 | 21 45 | 0 17 | 21 48 | 0 23 | 4 0 | 0 44 | 11 43 | 1 43 | 26 34 | 17 31 | 22 45 | 22 38 | 13 58 | | n.a. | F 8 |
| S 9 | 23 52 | 12 37 | 4 36 | 20 12 | 2 37 | 22 31 | 0 3 | 18 9 | 0 4 | 21 44 | 0 17 | 21 47 | 0 23 | 4 0 | 0 44 | 11 43 | 1 43 | 26 34 | 17 32 | 22 45 | 22 37 | 13 56 | | n.a. | S 9 |
| S 10 | 23 50 | 8 31 | 5 1 | 20 0 | 2 52 | 22 44 | 0 0 | 18 22 | 0 5 | 21 43 | 0 17 | 21 47 | 0 23 | 4 0 | 0 44 | 11 44 | 1 43 | 26 35 | 17 32 | 22 44 | 22 37 | 13 54 | | n.a. | S 10 |
| M11 | 23 48 | 4 5 | 5 13 | 19 49 | 3 6 | 22 56 | 0s 3 | 18 35 | 0 6 | 21 42 | 0 18 | 21 46 | 0 23 | 4 0 | 0 44 | 11 44 | 1 43 | 26 36 | 17 33 | 22 44 | 22 36 | 13 52 | | n.a. | M11 |
| T 12 | 23 45 | 0n32 | 5 12 | 19 41 | 3 19 | 23 8 | 0 5 | 18 48 | 0 7 | 21 41 | 0 18 | 21 46 | 0 23 | 4 0 | 0 44 | 11 45 | 1 43 | 26 37 | 17 33 | 22 43 | 22 36 | 13 49 | | n.a. | T 12 |
| W13 | 23 42 | 5 11 | 4 57 | 19 35 | 3 30 | 23 19 | 0 8 | 19 0 | 0 8 | 21 40 | 0 18 | 21 45 | 0 23 | 4 0 | 0 45 | 11 45 | 1 44 | 26 37 | 17 34 | 22 43 | 22 35 | 13 47 | | n.a. | W13 |
| T 14 | 23 38 | 9 44 | 4 28 | 19 31 | 3 40 | 23 29 | 0 10 | 19 13 | 0 9 | 21 39 | 0 18 | 21 45 | 0 22 | 4 0 | 0 45 | 11 45 | 1 44 | 26 38 | 17 34 | 22 43 | 22 35 | 13 45 | | n.a. | T 14 |
| F 15 | 23 34 | 14 0 | 3 45 | 19 29 | 3 47 | 23 38 | 0 13 | 19 25 | 0 9 | 21 38 | 0 18 | 21 44 | 0 22 | 4 0 | 0 45 | 11 46 | 1 44 | 26 39 | 17 35 | 22 43 | 22 34 | 13 43 | | n.a. | F 15 |
| S 16 | 23 29 | 17 44 | 2 49 | 19 29 | 3 52 | 23 47 | 0 15 | 19 37 | 0 10 | 21 37 | 0 18 | 21 44 | 0 22 | 4 0 | 0 45 | 11 46 | 1 44 | 26 40 | 17 35 | 22 44 | 22 34 | 13 41 | | n.a. | S 16 |
| S 17 | 23 24 | 20 39 | 1 42 | 19 31 | 3 56 | 23 55 | 0 18 | 19 49 | 0 11 | 21 36 | 0 18 | 21 43 | 0 22 | 4 0 | 0 45 | 11 46 | 1 44 | 26 40 | 17 36 | 22 44 | 22 34 | 13 38 | | n.a. | S 17 |
| M18 | 23 18 | 22 26 | 0 27 | 19 35 | 3 57 | 24 2 | 0 20 | 20 1 | 0 12 | 21 35 | 0 18 | 21 43 | 0 22 | 4 1 | 0 45 | 11 47 | 1 44 | 26 41 | 17 36 | 22 44 | 22 33 | 13 36 | | n.a. | M18 |
| T 19 | 23 12 | 22 48 | 0s52 | 19 41 | 3 56 | 24 8 | 0 23 | 20 12 | 0 13 | 21 35 | 0 19 | 21 42 | 0 22 | 4 1 | 0 45 | 11 47 | 1 44 | 26 42 | 17 37 | 22 44 | 22 33 | 13 34 | | n.a. | T 19 |
| W20 | 23 6 | 21 36 | 2 9 | 19 48 | 3 52 | 24 14 | 0 25 | 20 23 | 0 14 | 21 34 | 0 19 | 21 42 | 0 22 | 4 1 | 0 45 | 11 47 | 1 44 | 26 43 | 17 37 | 22 44 | 22 32 | 13 32 | | n.a. | W20 |
| T 21 | 22 59 | 18 52 | 3 19 | 19 56 | 3 48 | 24 19 | 0 28 | 20 34 | 0 15 | 21 33 | 0 19 | 21 41 | 0 21 | 4 1 | 0 45 | 11 48 | 1 44 | 26 43 | 17 38 | 22 43 | 22 32 | 13 29 | | n.a. | T 21 |
| F 22 | 22 52 | 14 49 | 4 14 | 20 5 | 3 41 | 24 23 | 0 30 | 20 45 | 0 16 | 21 32 | 0 19 | 21 41 | 0 21 | 4 1 | 0 45 | 11 48 | 1 44 | 26 44 | 17 38 | 22 43 | 22 31 | 13 27 | | n.a. | F 22 |
| S 23 | 22 44 | 9 51 | 4 52 | 20 16 | 3 33 | 24 27 | 0 32 | 20 56 | 0 17 | 21 32 | 0 19 | 21 41 | 0 21 | 4 2 | 0 45 | 11 48 | 1 44 | 26 45 | 17 39 | 22 42 | 22 31 | 13 25 | | n.a. | S 23 |
| S 24 | 22 36 | 4 22 | 5 10 | 20 27 | 3 23 | 24 30 | 0 35 | 21 6 | 0 17 | 21 31 | 0 19 | 21 40 | 0 21 | 4 2 | 0 45 | 11 49 | 1 44 | 26 46 | 17 39 | 22 41 | 22 30 | 13 22 | | n.a. | S 24 |
| M25 | 22 27 | 1s14 | 5 7 | 20 38 | 3 13 | 24 32 | 0 37 | 21 17 | 0 18 | 21 30 | 0 19 | 21 40 | 0 21 | 4 2 | 0 45 | 11 49 | 1 44 | 26 47 | 17 40 | 22 41 | 22 30 | 13 20 | | n.a. | M25 |
| T 26 | 22 18 | 6 37 | 4 45 | 20 51 | 3 1 | 24 33 | 0 39 | 21 27 | 0 19 | 21 30 | 0 19 | 21 40 | 0 21 | 4 3 | 0 45 | 11 49 | 1 44 | 26 47 | 17 40 | 22 40 | 22 29 | 13 18 | | n.a. | T 26 |
| W27 | 22 9 | 11 31 | 4 7 | 21 3 | 2 49 | 24 34 | 0 41 | 21 37 | 0 20 | 21 29 | 0 19 | 21 39 | 0 21 | 4 3 | 0 45 | 11 49 | 1 44 | 26 48 | 17 40 | 22 40 | 22 29 | 13 16 | | n.a. | W27 |
| T 28 | 21 59 | 15 43 | 3 17 | 21 17 | 2 36 | 24 33 | 0 43 | 21 46 | 0 21 | 21 29 | 0 19 | 21 39 | 0 21 | 4 3 | 0 45 | 11 50 | 1 44 | 26 49 | 17 41 | 22 40 | 22 29 | 13 13 | | n.a. | T 28 |
| F 29 | 21 49 | 19 2 | 2 18 | 21 30 | 2 23 | 24 32 | 0 45 | 21 56 | 0 22 | 21 28 | 0 20 | 21 39 | 0 20 | 4 4 | 0 45 | 11 50 | 1 44 | 26 50 | 17 41 | 22 40 | 22 28 | 13 11 | | n.a. | F 29 |
| S 30 | 21 38 | 21 22 | 1 14 | 21 43 | 2 10 | 24 31 | 0 47 | 22 5 | 0 23 | 21 28 | 0 20 | 21 38 | 0 20 | 4 4 | 0 45 | 11 50 | 1 44 | 26 51 | 17 42 | 22 40 | 22 28 | 13 9 | | n.a. | S 30 |
| S 31 | 21s27 | 22s36 | 0s 7 | 21s56 | 1n57 | 24s28 | 0s49 | 22s14 | 0s24 | 21n27 | 0n20 | 21n38 | 0s20 | 4n 5 | 0n45 | 11s50 | 1n44 | 26n52 | 17n42 | 22s41 | 22s27 | 13s 7 | | n.a. | S 31 |

Julian Day Number = 1001150.5, Delta T = 12h51m02s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'43, Lahiri = -31°08'42 Julian Calendar 1 Jan. 1972 BCE == Greg. Calendar 15 Dec. 1973 BCE

The year -1971 astronomical counting style corresponds to year 1972 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## FEBRUARY 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 38 0 | 26♉33'01 | 22♐49 | 3♉ 5 | 9♉37 | 7♐18 | 2°R44 | 7°R15 | 21°R36 | 5♏ 5 | 3°R13 | 11°R57 | 10♐19 | 12♒22 | n.a. | M 1 |
| T 2 | 7 41 56 | 27°32'31 | 4♉53 | 3°19 | 10°51 | 8° 4 | 2♊42 | 7♊13 | 21♍35 | 5° 6 | 3♍12 | 11♐54 | 10°16 | 12°28 | n.a. | T 2 |
| W 3 | 7 45 53 | 28°31'59 | 16°51 | 3°38 | 12° 6 | 8°49 | 2°40 | 7°10 | 21°34 | 5° 7 | 3°11 | 11°49 | 10°13 | 12°35 | n.a. | W 3 |
| T 4 | 7 49 49 | 29°31'24 | 28°45 | 4° 2 | 13°20 | 9°34 | 2°38 | 7° 8 | 21°33 | 5° 7 | 3°10 | 11°42 | 10°10 | 12°42 | n.a. | T 4 |
| F 5 | 7 53 46 | 0♒30'48 | 10♒36 | 4°30 | 14°34 | 10°20 | 2°36 | 7° 6 | 21°32 | 5° 8 | 3° 8 | 11°33 | 10° 7 | 12°49 | n.a. | F 5 |
| S 6 | 7 57 42 | 1°30'09 | 22°27 | 5° 4 | 15°48 | 11° 5 | 2°35 | 7° 5 | 21°30 | 5° 8 | 3° 7 | 11°23 | 10° 4 | 12°55 | n.a. | S 6 |
| S 7 | 8 1 39 | 2°29'27 | 4♓20 | 5°41 | 17° 2 | 11°51 | 2°34 | 7° 3 | 21°29 | 5° 9 | 3° 6 | 11°13 | 10° 0 | 13° 2 | n.a. | S 7 |
| M 8 | 8 5 36 | 3°28'44 | 16°15 | 6°22 | 18°16 | 12°36 | 2°32 | 7° 1 | 21°28 | 5° 9 | 3° 4 | 11° 4 | 9°57 | 13° 9 | n.a. | M 8 |
| T 9 | 8 9 32 | 4°27'58 | 28°16 | 7° 7 | 19°30 | 13°22 | 2°32 | 7° 0 | 21°26 | 5°10 | 3° 3 | 10°57 | 9°54 | 13°15 | n.a. | T 9 |
| W10 | 8 13 29 | 5°27'09 | 10♈25 | 7°56 | 20°44 | 14° 7 | 2°31 | 6°58 | 21°25 | 5°10 | 3° 1 | 10°51 | 9°51 | 13°22 | n.a. | W10 |
| T 11 | 8 17 25 | 6°26'18 | 22°47 | 8°47 | 21°58 | 14°53 | 2°31 | 6°57 | 21°23 | 5°10 | 3° 0 | 10°48 | 9°48 | 13°29 | n.a. | T 11 |
| F 12 | 8 21 22 | 7°25'24 | 5♉25 | 9°42 | 23°12 | 15°38 | 2°30 | 6°56 | 21°22 | 5°11 | 2°58 | 10°D47 | 9°45 | 13°36 | n.a. | F 12 |
| S 13 | 8 25 18 | 8°24'29 | 18°24 | 10°40 | 24°26 | 16°24 | 2°D30 | 6°55 | 21°20 | 5°11 | 2°57 | 10°47 | 9°41 | 13°42 | n.a. | S 13 |
| S 14 | 8 29 15 | 9°23'30 | 1♊48 | 11°40 | 25°40 | 17° 9 | 2°30 | 6°53 | 21°19 | 5°11 | 2°55 | 10°48 | 9°38 | 13°49 | n.a. | S 14 |
| M15 | 8 33 11 | 10°22'29 | 15°39 | 12°43 | 26°54 | 17°55 | 2°31 | 6°53 | 21°17 | 5°12 | 2°54 | 10°R48 | 9°35 | 13°56 | n.a. | M15 |
| T 16 | 8 37 8 | 11°21'26 | 29°58 | 13°49 | 28° 8 | 18°40 | 2°31 | 6°52 | 21°15 | 5°12 | 2°52 | 10°47 | 9°32 | 14° 2 | n.a. | T 16 |
| W17 | 8 41 4 | 12°20'20 | 14♋44 | 14°57 | 29°22 | 19°26 | 2°32 | 6°51 | 21°14 | 5°12 | 2°51 | 10°43 | 9°29 | 14° 9 | n.a. | W17 |
| T 18 | 8 45 1 | 13°19'12 | 29°50 | 16° 7 | 0♒36 | 20°11 | 2°33 | 6°51 | 21°12 | 5°12 | 2°49 | 10°37 | 9°25 | 14°16 | n.a. | T 18 |
| F 19 | 8 48 58 | 14°18'02 | 15♌ 9 | 17°20 | 1°50 | 20°57 | 2°34 | 6°50 | 21°10 | 5°12 | 2°48 | 10°28 | 9°22 | 14°23 | n.a. | F 19 |
| S 20 | 8 52 54 | 15°16'49 | 0♍28 | 18°35 | 3° 4 | 21°42 | 2°35 | 6°50 | 21° 8 | 5°12 | 2°46 | 10°19 | 9°19 | 14°29 | n.a. | S 20 |
| S 21 | 8 56 51 | 16°15'34 | 15°37 | 19°51 | 4°18 | 22°28 | 2°36 | 6°49 | 21° 6 | 5°12 | 2°45 | 10° 9 | 9°16 | 14°36 | n.a. | S 21 |
| M22 | 9 0 47 | 17°14'18 | 0♎26 | 21°10 | 5°32 | 23°13 | 2°38 | 6°49 | 21° 4 | 5°R12 | 2°43 | 10° 1 | 9°13 | 14°43 | n.a. | M22 |
| T 23 | 9 4 44 | 18°12'59 | 14°49 | 22°30 | 6°46 | 23°58 | 2°40 | 6°D49 | 21° 2 | 5°12 | 2°41 | 9°55 | 9°10 | 14°49 | n.a. | T 23 |
| W24 | 9 8 40 | 19°11'38 | 28°41 | 23°53 | 8° 0 | 24°44 | 2°42 | 6°49 | 21° 0 | 5°12 | 2°40 | 9°51 | 9° 6 | 14°56 | n.a. | W24 |
| T 25 | 9 12 37 | 20°10'16 | 12♏ 5 | 25°17 | 9°14 | 25°29 | 2°44 | 6°49 | 20°58 | 5°12 | 2°38 | 9°49 | 9° 3 | 15° 3 | n.a. | T 25 |
| F 26 | 9 16 33 | 21° 8'52 | 25° 2 | 26°43 | 10°27 | 26°15 | 2°46 | 6°50 | 20°56 | 5°12 | 2°36 | 9°D49 | 9° 0 | 15°10 | n.a. | F 26 |
| S 27 | 9 20 30 | 22° 7'26 | 7♐37 | 28°11 | 11°41 | 27° 0 | 2°49 | 6°50 | 20°54 | 5°12 | 2°35 | 9°R49 | 8°57 | 15°16 | n.a. | S 27 |
| S 28 | 9 24 26 | 23♒ 5'58 | 19♐55 | 29♉41 | 12♒55 | 27♐46 | 2♊52 | 6♊51 | 20♍52 | 5♏12 | 2♍33 | 9♐49 | 8♐54 | 15♒23 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s16 | 22s45 | 0n59 | 22s10 | 1n43 | 24s25 | 0s51 | 22s22 | 0s25 | 21n27 | 0n20 | 21n38 | 0s20 | 4n 5 | 0n45 | 11s50 | 1n44 | 26n52 | 17n42 | 22s41 | 22s27 | 13s 4 | | n.a. |
| T 2 | 21 4 | 21 49 | 2 1 | 22 23 | 1 30 | 24 21 | 0 53 | 22 31 | 0 26 | 21 27 | 0 20 | 21 37 | 0 20 | 4 5 | 0 45 | 11 51 | 1 44 | 26 53 | 17 43 | 22 40 | 22 26 | 13 2 | | n.a. |
| W 3 | 20 52 | 19 54 | 2 57 | 22 35 | 1 17 | 24 16 | 0 55 | 22 39 | 0 27 | 21 26 | 0 20 | 21 37 | 0 20 | 4 6 | 0 45 | 11 51 | 1 45 | 26 54 | 17 43 | 22 39 | 22 26 | 13 0 | | n.a. |
| T 4 | 20 40 | 17 9 | 3 45 | 22 47 | 1 4 | 24 11 | 0 57 | 22 47 | 0 28 | 21 26 | 0 20 | 21 37 | 0 20 | 4 6 | 0 45 | 11 51 | 1 45 | 26 55 | 17 43 | 22 38 | 22 25 | 12 58 | | n.a. |
| F 5 | 20 27 | 13 43 | 4 23 | 22 59 | 0 51 | 24 5 | 0 59 | 22 55 | 0 28 | 21 26 | 0 20 | 21 37 | 0 19 | 4 7 | 0 45 | 11 51 | 1 45 | 26 56 | 17 44 | 22 37 | 22 25 | 12 55 | | n.a. |
| S 6 | 20 13 | 9 45 | 4 50 | 23 10 | 0 39 | 23 58 | 1 1 | 23 2 | 0 29 | 21 26 | 0 20 | 21 37 | 0 19 | 4 7 | 0 45 | 11 51 | 1 45 | 26 56 | 17 44 | 22 36 | 22 24 | 12 53 | | n.a. |
| S 7 | 20 0 | 5 25 | 5 4 | 23 21 | 0 27 | 23 50 | 1 2 | 23 10 | 0 30 | 21 25 | 0 20 | 21 36 | 0 19 | 4 8 | 0 45 | 11 51 | 1 45 | 26 57 | 17 44 | 22 34 | 22 24 | 12 51 | | n.a. |
| M 8 | 19 46 | 0 52 | 5 5 | 23 31 | 0 15 | 23 42 | 1 4 | 23 17 | 0 31 | 21 25 | 0 20 | 21 36 | 0 19 | 4 9 | 0 45 | 11 52 | 1 45 | 26 58 | 17 45 | 22 33 | 22 23 | 12 48 | | n.a. |
| T 9 | 19 32 | 3n45 | 4 52 | 23 40 | 0 3 | 23 33 | 1 5 | 23 24 | 0 32 | 21 25 | 0 20 | 21 36 | 0 19 | 4 9 | 0 45 | 11 52 | 1 45 | 26 59 | 17 45 | 22 32 | 22 23 | 12 46 | | n.a. |
| W10 | 19 17 | 8 16 | 4 27 | 23 48 | 0s 8 | 23 23 | 1 7 | 23 30 | 0 33 | 21 25 | 0 21 | 21 36 | 0 19 | 4 10 | 0 45 | 11 52 | 1 45 | 27 0 | 17 45 | 22 31 | 22 22 | 12 44 | | n.a. |
| T 11 | 19 2 | 12 33 | 3 48 | 23 56 | 0 18 | 23 13 | 1 8 | 23 37 | 0 34 | 21 25 | 0 21 | 21 36 | 0 19 | 4 10 | 0 45 | 11 52 | 1 45 | 27 1 | 17 46 | 22 31 | 22 22 | 12 42 | | n.a. |
| F 12 | 18 47 | 16 23 | 2 58 | 24 2 | 0 29 | 23 2 | 1 10 | 23 43 | 0 35 | 21 25 | 0 21 | 21 36 | 0 19 | 4 11 | 0 45 | 11 52 | 1 45 | 27 1 | 17 46 | 22 31 | 22 21 | 12 39 | | n.a. |
| S 13 | 18 31 | 19 31 | 1 57 | 24 7 | 0 38 | 22 50 | 1 11 | 23 48 | 0 36 | 21 25 | 0 21 | 21 36 | 0 18 | 4 12 | 0 46 | 11 52 | 1 45 | 27 2 | 17 46 | 22 31 | 22 21 | 12 37 | | n.a. |
| S 14 | 18 16 | 21 43 | 0 48 | 24 11 | 0 48 | 22 37 | 1 12 | 23 54 | 0 37 | 21 25 | 0 21 | 21 36 | 0 18 | 4 12 | 0 46 | 11 52 | 1 45 | 27 3 | 17 46 | 22 31 | 22 20 | 12 35 | | n.a. |
| M15 | 18 0 | 22 42 | 0s26 | 24 14 | 0 57 | 22 24 | 1 14 | 23 59 | 0 38 | 21 25 | 0 21 | 21 36 | 0 18 | 4 13 | 0 46 | 11 52 | 1 45 | 27 4 | 17 47 | 22 31 | 22 20 | 12 32 | | n.a. |
| T 16 | 17 43 | 22 15 | 1 41 | 24 16 | 1 5 | 22 10 | 1 15 | 24 4 | 0 39 | 21 26 | 0 21 | 21 36 | 0 18 | 4 14 | 0 46 | 11 52 | 1 45 | 27 5 | 17 47 | 22 31 | 22 20 | 12 30 | | n.a. |
| W17 | 17 26 | 20 16 | 2 51 | 24 17 | 1 13 | 21 56 | 1 16 | 24 9 | 0 40 | 21 26 | 0 21 | 21 36 | 0 18 | 4 15 | 0 46 | 11 52 | 1 45 | 27 5 | 17 47 | 22 30 | 22 19 | 12 28 | | n.a. |
| T 18 | 17 9 | 16 50 | 3 50 | 24 16 | 1 21 | 21 41 | 1 17 | 24 14 | 0 41 | 21 26 | 0 21 | 21 36 | 0 18 | 4 15 | 0 46 | 11 52 | 1 45 | 27 6 | 17 47 | 22 29 | 22 19 | 12 25 | | n.a. |
| F 19 | 16 52 | 12 15 | 4 34 | 24 14 | 1 28 | 21 25 | 1 18 | 24 18 | 0 42 | 21 26 | 0 21 | 21 36 | 0 18 | 4 16 | 0 46 | 11 52 | 1 45 | 27 7 | 17 47 | 22 28 | 22 18 | 12 23 | | n.a. |
| S 20 | 16 35 | 6 53 | 4 59 | 24 10 | 1 35 | 21 9 | 1 19 | 24 22 | 0 43 | 21 27 | 0 21 | 21 36 | 0 17 | 4 17 | 0 46 | 11 52 | 1 45 | 27 8 | 17 48 | 22 27 | 22 18 | 12 21 | | n.a. |
| S 21 | 16 17 | 1 9 | 5 2 | 24 5 | 1 41 | 20 52 | 1 20 | 24 26 | 0 44 | 21 27 | 0 21 | 21 36 | 0 17 | 4 18 | 0 46 | 11 52 | 1 45 | 27 9 | 17 48 | 22 25 | 22 17 | 12 19 | | n.a. |
| M22 | 15 59 | 4s30 | 4 44 | 23 59 | 1 47 | 20 34 | 1 21 | 24 29 | 0 45 | 21 27 | 0 21 | 21 36 | 0 17 | 4 18 | 0 46 | 11 52 | 1 45 | 27 9 | 17 48 | 22 24 | 22 17 | 12 16 | | n.a. |
| T 23 | 15 40 | 9 46 | 4 9 | 23 51 | 1 52 | 20 16 | 1 21 | 24 33 | 0 46 | 21 28 | 0 21 | 21 36 | 0 17 | 4 19 | 0 46 | 11 52 | 1 46 | 27 10 | 17 48 | 22 23 | 22 16 | 12 14 | | n.a. |
| W24 | 15 22 | 14 20 | 3 20 | 23 41 | 1 57 | 19 57 | 1 22 | 24 36 | 0 47 | 21 28 | 0 22 | 21 36 | 0 17 | 4 20 | 0 46 | 11 52 | 1 46 | 27 11 | 17 48 | 22 22 | 22 16 | 12 12 | | n.a. |
| T 25 | 15 3 | 18 1 | 2 22 | 23 30 | 2 2 | 19 38 | 1 23 | 24 38 | 0 48 | 21 29 | 0 22 | 21 37 | 0 17 | 4 21 | 0 46 | 11 52 | 1 46 | 27 12 | 17 48 | 22 22 | 22 15 | 12 9 | | n.a. |
| F 26 | 14 44 | 20 40 | 1 18 | 23 17 | 2 5 | 19 18 | 1 23 | 24 41 | 0 49 | 21 29 | 0 22 | 21 37 | 0 17 | 4 22 | 0 46 | 11 52 | 1 46 | 27 12 | 17 49 | 22 22 | 22 15 | 12 7 | | n.a. |
| S 27 | 14 25 | 22 13 | 0 12 | 23 2 | 2 9 | 18 58 | 1 24 | 24 43 | 0 50 | 21 30 | 0 22 | 21 37 | 0 16 | 4 22 | 0 46 | 11 51 | 1 46 | 27 13 | 17 49 | 22 22 | 22 14 | 12 5 | | n.a. |
| S 28 | 14s 5 | 22s38 | 0n53 | 22s46 | 2s12 | 18s37 | 1s24 | 24s45 | 0s51 | 21n30 | 0n22 | 21n37 | 0s16 | 4n23 | 0n46 | 11s51 | 1n46 | 27n14 | 17n49 | 22s22 | 22s14 | 12s 2 | | n.a. |

Julian Day Number = 1001181.5, Delta T = 12h51m00s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'38, Lahiri = -31°08'38 Julian Calendar 1 Feb. 1972 BCE == Greg. Calendar 15 Jan. 1972 BCE


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## MARCH 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 28 23 | 24♒ 4'29 | 2♉ 0 | 1♒12 | 14♒ 9 | 28♐31 | 2♊54 | 6♊51 | 20°R50 | 5°R11 | 2°R31 | 9°R47 | 8♐51 | 15♒30 | n.a. | M 1 |
| T 2 | 9 32 20 | 25° 2'57 | 13°56 | 2°45 | 15°23 | 29°17 | 2°58 | 6°52 | 20♍48 | 5♏11 | 2♍30 | 9♐42 | 8°47 | 15°36 | n.a. | T 2 |
| W 3 | 9 36 16 | 26° 1'24 | 25°48 | 4°20 | 16°37 | 0♉ 2 | 3° 1 | 6°53 | 20°46 | 5°11 | 2°28 | 9°35 | 8°44 | 15°43 | n.a. | W 3 |
| T 4 | 9 40 13 | 26°59'49 | 7♒39 | 5°56 | 17°51 | 0°47 | 3° 4 | 6°54 | 20°43 | 5°11 | 2°26 | 9°25 | 8°41 | 15°50 | n.a. | T 4 |
| F 5 | 9 44 9 | 27°58'11 | 19°29 | 7°34 | 19° 5 | 1°33 | 3° 8 | 6°55 | 20°41 | 5°10 | 2°25 | 9°12 | 8°38 | 15°57 | n.a. | F 5 |
| S 6 | 9 48 6 | 28°56'32 | 1♓22 | 9°14 | 20°19 | 2°18 | 3°12 | 6°56 | 20°39 | 5°10 | 2°23 | 8°58 | 8°35 | 16° 3 | n.a. | S 6 |
| S 7 | 9 52 2 | 29°54'51 | 13°19 | 10°55 | 21°32 | 3° 3 | 3°15 | 6°57 | 20°37 | 5° 9 | 2°21 | 8°44 | 8°31 | 16°10 | n.a. | S 7 |
| M 8 | 9 55 59 | 0♓53'07 | 25°20 | 12°38 | 22°46 | 3°49 | 3°20 | 6°59 | 20°34 | 5° 9 | 2°20 | 8°31 | 8°28 | 16°17 | n.a. | M 8 |
| T 9 | 9 59 55 | 1°51'22 | 7♈28 | 14°23 | 24° 0 | 4°34 | 3°24 | 7° 0 | 20°32 | 5° 9 | 2°18 | 8°20 | 8°25 | 16°23 | n.a. | T 9 |
| W10 | 10 3 52 | 2°49'34 | 19°44 | 16° 9 | 25°14 | 5°19 | 3°28 | 7° 2 | 20°30 | 5° 8 | 2°16 | 8°12 | 8°22 | 16°30 | n.a. | W10 |
| T 11 | 10 7 48 | 3°47'45 | 2♉11 | 17°57 | 26°28 | 6° 4 | 3°33 | 7° 3 | 20°27 | 5° 8 | 2°15 | 8° 6 | 8°19 | 16°37 | n.a. | T 11 |
| F 12 | 10 11 45 | 4°45'53 | 14°51 | 19°47 | 27°42 | 6°50 | 3°38 | 7° 5 | 20°25 | 5° 7 | 2°13 | 8° 3 | 8°16 | 16°44 | n.a. | F 12 |
| S 13 | 10 15 42 | 5°43'59 | 27°49 | 21°38 | 28°55 | 7°35 | 3°43 | 7° 7 | 20°23 | 5° 6 | 2°11 | 8° 2 | 8°12 | 16°50 | n.a. | S 13 |
| S 14 | 10 19 38 | 6°42'03 | 11♊ 7 | 23°32 | 0♓ 9 | 8°20 | 3°48 | 7° 9 | 20°20 | 5° 6 | 2°10 | 8° 2 | 8° 9 | 16°57 | n.a. | S 14 |
| M15 | 10 23 35 | 7°40'05 | 24°49 | 25°26 | 1°23 | 9° 5 | 3°53 | 7°11 | 20°18 | 5° 5 | 2° 8 | 8° 2 | 8° 6 | 17° 4 | n.a. | M15 |
| T 16 | 10 27 31 | 8°38'05 | 8♋56 | 27°23 | 2°37 | 9°50 | 3°58 | 7°13 | 20°15 | 5° 4 | 2° 6 | 8° 0 | 8° 3 | 17°10 | n.a. | T 16 |
| W17 | 10 31 28 | 9°36'03 | 23°28 | 29°21 | 3°51 | 10°36 | 4° 4 | 7°15 | 20°13 | 5° 4 | 2° 5 | 7°55 | 8° 0 | 17°17 | n.a. | W17 |
| T 18 | 10 35 24 | 10°33'59 | 8♌22 | 1♓21 | 5° 4 | 11°21 | 4° 9 | 7°18 | 20°10 | 5° 3 | 2° 3 | 7°48 | 7°57 | 17°24 | n.a. | T 18 |
| F 19 | 10 39 21 | 11°31'53 | 23°31 | 3°22 | 6°18 | 12° 6 | 4°15 | 7°20 | 20° 8 | 5° 2 | 2° 1 | 7°39 | 7°53 | 17°31 | n.a. | F 19 |
| S 20 | 10 43 17 | 12°29'44 | 8♍45 | 5°25 | 7°32 | 12°51 | 4°21 | 7°23 | 20° 5 | 5° 1 | 2° 0 | 7°28 | 7°50 | 17°37 | n.a. | S 20 |
| S 21 | 10 47 14 | 13°27'34 | 23°53 | 7°30 | 8°46 | 13°36 | 4°27 | 7°26 | 20° 3 | 5° 1 | 1°58 | 7°17 | 7°47 | 17°44 | n.a. | S 21 |
| M22 | 10 51 10 | 14°25'23 | 8♎46 | 9°35 | 9°59 | 14°21 | 4°34 | 7°28 | 20° 0 | 5° 0 | 1°56 | 7° 8 | 7°44 | 17°51 | n.a. | M22 |
| T 23 | 10 55 7 | 15°23'10 | 23°14 | 11°42 | 11°13 | 15° 6 | 4°40 | 7°31 | 19°58 | 4°59 | 1°55 | 7° 0 | 7°41 | 17°57 | n.a. | T 23 |
| W24 | 10 59 4 | 16°20'55 | 7♏14 | 13°50 | 12°27 | 15°50 | 4°47 | 7°34 | 19°55 | 4°58 | 1°53 | 6°55 | 7°37 | 18° 4 | n.a. | W24 |
| T 25 | 11 3 0 | 17°18'39 | 20°44 | 15°59 | 13°41 | 16°35 | 4°53 | 7°37 | 19°53 | 4°57 | 1°51 | 6°52 | 7°34 | 18°11 | n.a. | T 25 |
| F 26 | 11 6 57 | 18°16'22 | 3♐46 | 18° 9 | 14°54 | 17°20 | 5° 0 | 7°40 | 19°50 | 4°56 | 1°50 | 6°D52 | 7°31 | 18°18 | n.a. | F 26 |
| S 27 | 11 10 53 | 19°14'04 | 16°24 | 20°19 | 16° 8 | 18° 5 | 5° 7 | 7°44 | 19°48 | 4°55 | 1°48 | 6°R52 | 7°28 | 18°24 | n.a. | S 27 |
| S 28 | 11 14 50 | 20°11'44 | 28°43 | 22°29 | 17°22 | 18°50 | 5°14 | 7°47 | 19°45 | 4°54 | 1°47 | 6°51 | 7°25 | 18°31 | n.a. | S 28 |
| M29 | 11 18 46 | 21° 9'23 | 10♑48 | 24°39 | 18°36 | 19°35 | 5°22 | 7°50 | 19°43 | 4°53 | 1°45 | 6°50 | 7°22 | 18°38 | n.a. | M29 |
| T 30 | 11 22 43 | 22° 7'01 | 22°43 | 26°49 | 19°49 | 20°19 | 5°29 | 7°54 | 19°40 | 4°52 | 1°43 | 6°46 | 7°18 | 18°44 | n.a. | T 30 |
| W31 | 11 26 39 | 23♓ 4'38 | 4♒34 | 28♓59 | 21♓ 3 | 21♉ 4 | 5♊36 | 7♊58 | 19♍38 | 4♏51 | 1♍42 | 6♐40 | 7♐15 | 18♒51 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 13s46 | 22s 0 | 1n55 | 22s28 | 2s14 | 18s16 | 1s25 | 24s46 | 0s52 | 21n31 | 0n22 | 21n37 | 0s16 | 4n24 | 0n46 | 11s51 | 1n46 | 27n15 | 17n49 | 22s22 | 22s13 | 12s 0 | | | n.a. |
| T 2 | 13 26 | 20 21 | 2 50 | 22 9 | 2 16 | 17 54 | 1 25 | 24 48 | 0 53 | 21 32 | 0 22 | 21 38 | 0 16 | 4 25 | 0 46 | 11 51 | 1 46 | 27 15 | 17 49 | 22 21 | 22 13 | 11 58 | | | n.a. |
| W 3 | 13 6 | 17 51 | 3 38 | 21 47 | 2 17 | 17 31 | 1 25 | 24 49 | 0 54 | 21 32 | 0 22 | 21 38 | 0 16 | 4 26 | 0 46 | 11 51 | 1 46 | 27 16 | 17 49 | 22 20 | 22 12 | 11 55 | | | n.a. |
| T 4 | 12 46 | 14 36 | 4 16 | 21 24 | 2 18 | 17 8 | 1 25 | 24 50 | 0 55 | 21 33 | 0 22 | 21 38 | 0 16 | 4 27 | 0 46 | 11 51 | 1 46 | 27 17 | 17 49 | 22 18 | 22 12 | 11 53 | | | n.a. |
| F 5 | 12 25 | 10 48 | 4 43 | 20 59 | 2 19 | 16 45 | 1 25 | 24 50 | 0 56 | 21 34 | 0 22 | 21 39 | 0 16 | 4 28 | 0 46 | 11 51 | 1 46 | 27 17 | 17 49 | 22 16 | 22 11 | 11 51 | | | n.a. |
| S 6 | 12 4 | 6 35 | 4 57 | 20 32 | 2 18 | 16 21 | 1 26 | 24 51 | 0 57 | 21 35 | 0 22 | 21 39 | 0 16 | 4 29 | 0 46 | 11 50 | 1 46 | 27 18 | 17 49 | 22 14 | 22 11 | 11 49 | | | n.a. |
| S 7 | 11 44 | 2 6 | 4 59 | 20 3 | 2 18 | 15 57 | 1 26 | 24 51 | 0 58 | 21 36 | 0 22 | 21 39 | 0 15 | 4 30 | 0 46 | 11 50 | 1 46 | 27 19 | 17 49 | 22 12 | 22 10 | 11 46 | | | n.a. |
| M 8 | 11 23 | 2n30 | 4 47 | 19 32 | 2 16 | 15 33 | 1 25 | 24 50 | 0 59 | 21 36 | 0 22 | 21 40 | 0 15 | 4 31 | 0 46 | 11 50 | 1 46 | 27 19 | 17 49 | 22 10 | 22 10 | 11 44 | | | n.a. |
| T 9 | 11 2 | 7 2 | 4 23 | 18 59 | 2 15 | 15 8 | 1 25 | 24 50 | 1 0 | 21 37 | 0 22 | 21 40 | 0 15 | 4 32 | 0 46 | 11 50 | 1 46 | 27 20 | 17 49 | 22 8 | 22 9 | 11 42 | | | n.a. |
| W10 | 10 40 | 11 20 | 3 46 | 18 25 | 2 12 | 14 42 | 1 25 | 24 49 | 1 1 | 21 38 | 0 22 | 21 40 | 0 15 | 4 32 | 0 46 | 11 50 | 1 46 | 27 21 | 17 49 | 22 7 | 22 9 | 11 39 | | | n.a. |
| T 11 | 10 19 | 15 14 | 2 57 | 17 48 | 2 9 | 14 16 | 1 25 | 24 48 | 1 2 | 21 39 | 0 22 | 21 41 | 0 15 | 4 33 | 0 46 | 11 49 | 1 46 | 27 21 | 17 49 | 22 6 | 22 8 | 11 37 | | | n.a. |
| F 12 | 9 57 | 18 31 | 1 59 | 17 10 | 2 6 | 13 50 | 1 25 | 24 47 | 1 3 | 21 40 | 0 23 | 21 41 | 0 15 | 4 34 | 0 46 | 11 49 | 1 46 | 27 22 | 17 49 | 22 5 | 22 7 | 11 35 | | | n.a. |
| S 13 | 9 36 | 20 56 | 0 54 | 16 30 | 2 2 | 13 24 | 1 24 | 24 45 | 1 4 | 21 41 | 0 23 | 21 42 | 0 15 | 4 35 | 0 46 | 11 49 | 1 46 | 27 23 | 17 49 | 22 5 | 22 7 | 11 32 | | | n.a. |
| S 14 | 9 14 | 22 17 | 0s16 | 15 47 | 1 57 | 12 57 | 1 24 | 24 44 | 1 5 | 21 42 | 0 23 | 21 42 | 0 15 | 4 36 | 0 46 | 11 49 | 1 46 | 27 23 | 17 49 | 22 5 | 22 6 | 11 30 | | | n.a. |
| M15 | 8 52 | 22 22 | 1 27 | 15 3 | 1 52 | 12 29 | 1 23 | 24 41 | 1 5 | 21 43 | 0 23 | 21 43 | 0 14 | 4 37 | 0 46 | 11 48 | 1 47 | 27 24 | 17 49 | 22 5 | 22 6 | 11 28 | | | n.a. |
| T 16 | 8 30 | 21 2 | 2 35 | 14 17 | 1 47 | 12 2 | 1 23 | 24 39 | 1 6 | 21 44 | 0 23 | 21 43 | 0 14 | 4 38 | 0 46 | 11 48 | 1 47 | 27 24 | 17 49 | 22 5 | 22 5 | 11 25 | | | n.a. |
| W17 | 8 7 | 18 18 | 3 35 | 13 30 | 1 41 | 11 34 | 1 22 | 24 37 | 1 7 | 21 45 | 0 23 | 21 44 | 0 14 | 4 39 | 0 46 | 11 48 | 1 47 | 27 25 | 17 49 | 22 4 | 22 5 | 11 23 | | | n.a. |
| T 18 | 7 45 | 14 19 | 4 22 | 12 40 | 1 34 | 11 6 | 1 21 | 24 34 | 1 8 | 21 47 | 0 23 | 21 44 | 0 14 | 4 40 | 0 46 | 11 48 | 1 47 | 27 26 | 17 49 | 22 3 | 22 4 | 11 21 | | | n.a. |
| F 19 | 7 23 | 9 22 | 4 51 | 11 49 | 1 27 | 10 37 | 1 21 | 24 31 | 1 9 | 21 48 | 0 23 | 21 45 | 0 14 | 4 41 | 0 46 | 11 47 | 1 47 | 27 26 | 17 49 | 22 1 | 22 4 | 11 18 | | | n.a. |
| S 20 | 7 0 | 3 49 | 5 0 | 10 56 | 1 19 | 10 9 | 1 20 | 24 27 | 1 10 | 21 49 | 0 23 | 21 45 | 0 14 | 4 42 | 0 46 | 11 47 | 1 47 | 27 27 | 17 49 | 22 0 | 22 3 | 11 16 | | | n.a. |
| S 21 | 6 38 | 1s55 | 4 48 | 10 1 | 1 11 | 9 40 | 1 19 | 24 24 | 1 11 | 21 50 | 0 23 | 21 46 | 0 14 | 4 43 | 0 46 | 11 47 | 1 47 | 27 27 | 17 49 | 21 58 | 22 3 | 11 14 | | | n.a. |
| M22 | 6 15 | 7 27 | 4 16 | 9 5 | 1 2 | 9 11 | 1 18 | 24 20 | 1 12 | 21 51 | 0 23 | 21 46 | 0 14 | 4 44 | 0 46 | 11 46 | 1 47 | 27 28 | 17 48 | 21 56 | 22 2 | 11 11 | | | n.a. |
| T 23 | 5 52 | 12 25 | 3 29 | 8 8 | 0 53 | 8 41 | 1 17 | 24 16 | 1 13 | 21 53 | 0 23 | 21 47 | 0 13 | 4 45 | 0 46 | 11 46 | 1 47 | 27 28 | 17 48 | 21 55 | 22 2 | 11 9 | | | n.a. |
| W24 | 5 29 | 16 33 | 2 30 | 7 9 | 0 43 | 8 11 | 1 16 | 24 11 | 1 14 | 21 54 | 0 23 | 21 48 | 0 13 | 4 46 | 0 46 | 11 46 | 1 47 | 27 29 | 17 48 | 21 54 | 22 1 | 11 7 | | | n.a. |
| T 25 | 5 7 | 19 39 | 1 24 | 6 9 | 0 34 | 7 42 | 1 15 | 24 7 | 1 15 | 21 55 | 0 23 | 21 48 | 0 13 | 4 47 | 0 46 | 11 45 | 1 47 | 27 29 | 17 48 | 21 54 | 22 1 | 11 4 | | | n.a. |
| F 26 | 4 44 | 21 36 | 0 16 | 5 8 | 0 23 | 7 11 | 1 14 | 24 2 | 1 16 | 21 57 | 0 23 | 21 49 | 0 13 | 4 48 | 0 46 | 11 45 | 1 47 | 27 30 | 17 48 | 21 53 | 22 0 | 11 2 | | | n.a. |
| S 27 | 4 21 | 22 23 | 0n50 | 4 7 | 0 13 | 6 41 | 1 13 | 23 57 | 1 17 | 21 58 | 0 23 | 21 49 | 0 13 | 4 49 | 0 46 | 11 45 | 1 47 | 27 30 | 17 48 | 21 53 | 22 0 | 11 0 | | | n.a. |
| S 28 | 3 58 | 22 2 | 1 53 | 3 5 | 0 3 | 6 11 | 1 11 | 23 51 | 1 18 | 21 59 | 0 23 | 21 50 | 0 13 | 4 50 | 0 46 | 11 44 | 1 47 | 27 31 | 17 47 | 21 53 | 21 59 | 10 57 | | | n.a. |
| M29 | 3 34 | 20 39 | 2 49 | 2 2 | 0n 8 | 5 40 | 1 10 | 23 46 | 1 19 | 22 1 | 0 23 | 21 51 | 0 13 | 4 51 | 0 46 | 11 44 | 1 47 | 27 31 | 17 47 | 21 53 | 21 59 | 10 55 | | | n.a. |
| T 30 | 3 11 | 18 23 | 3 38 | 1 0 | 0 19 | 5 9 | 1 9 | 23 40 | 1 20 | 22 2 | 0 24 | 21 52 | 0 13 | 4 52 | 0 46 | 11 43 | 1 47 | 27 31 | 17 47 | 21 53 | 21 58 | 10 53 | | | n.a. |
| W31 | 2s48 | 15s22 | 4n16 | 0n 2 | 0n29 | 4s39 | 1s 7 | 23s34 | 1s21 | 22n 3 | 0n24 | 21n52 | 0s12 | 4n53 | 0n46 | 11s43 | 1n47 | 27n32 | 17n47 | 21s51 | 21s57 | 10s50 | | | n.a. |

Julian Day Number = 1001209.5, Delta T = 12h50m58s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'35, Lahiri = -31°08'34 Julian Calendar 1 March 1972 BCE == Greg. Calendar 12 Feb. 1972 BCE

The year -1971 astronomical counting style corresponds to year 1972 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## APRIL 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 30 36 | 24♓ 2'13 | 16♒24 | 1♈ 8 | 22♓17 | 21♉49 | 5♊44 | 8♊ 1 | 19°R35 | 4°R50 | 1°R40 | 6°R31 | 7♐12 | 18♒58 | n.a. | T 1 |
| F 2 | 11 34 33 | 24°59'47 | 28°16 | 3°15 | 23°30 | 22°33 | 5°52 | 8° 5 | 19♍33 | 4♏49 | 1♍39 | 6♐20 | 7° 9 | 19° 5 | n.a. | F 2 |
| S 3 | 11 38 29 | 25°57'20 | 10♓14 | 5°21 | 24°44 | 23°18 | 6° 0 | 8° 9 | 19°30 | 4°47 | 1°37 | 6° 7 | 7° 6 | 19°11 | n.a. | S 3 |
| S 4 | 11 42 26 | 26°54'51 | 22°17 | 7°25 | 25°58 | 24° 2 | 6° 8 | 8°13 | 19°28 | 4°46 | 1°36 | 5°55 | 7° 2 | 19°18 | n.a. | S 4 |
| M 5 | 11 46 22 | 27°52'22 | 4♈28 | 9°28 | 27°12 | 24°47 | 6°16 | 8°17 | 19°25 | 4°45 | 1°34 | 5°43 | 6°59 | 19°25 | n.a. | M 5 |
| T 6 | 11 50 19 | 28°49'50 | 16°48 | 11°29 | 28°25 | 25°31 | 6°24 | 8°21 | 19°23 | 4°44 | 1°33 | 5°33 | 6°56 | 19°31 | n.a. | T 6 |
| W 7 | 11 54 15 | 29°47'18 | 29°17 | 13°27 | 29°39 | 26°15 | 6°33 | 8°25 | 19°20 | 4°43 | 1°31 | 5°25 | 6°53 | 19°38 | n.a. | W 7 |
| T 8 | 11 58 12 | 0♈44'44 | 11♉56 | 15°23 | 0♈53 | 27° 0 | 6°41 | 8°30 | 19°18 | 4°41 | 1°30 | 5°20 | 6°50 | 19°45 | n.a. | T 8 |
| F 9 | 12 2 8 | 1°42'09 | 24°48 | 17°16 | 2° 6 | 27°44 | 6°50 | 8°34 | 19°15 | 4°40 | 1°29 | 5°18 | 6°47 | 19°52 | n.a. | F 9 |
| S 10 | 12 6 5 | 2°39'32 | 7♊53 | 19° 6 | 3°20 | 28°28 | 6°58 | 8°39 | 19°13 | 4°39 | 1°27 | 5°D18 | 6°43 | 19°58 | n.a. | S 10 |
| S 11 | 12 10 1 | 3°36'55 | 21°15 | 20°54 | 4°34 | 29°12 | 7° 7 | 8°43 | 19°10 | 4°38 | 1°26 | 5°18 | 6°40 | 20° 5 | n.a. | S 11 |
| M12 | 12 13 58 | 4°34'15 | 4♋55 | 22°39 | 5°47 | 29°56 | 7°16 | 8°48 | 19° 8 | 4°36 | 1°24 | 5°R19 | 6°37 | 20°12 | n.a. | M12 |
| T 13 | 12 17 55 | 5°31'35 | 18°54 | 24°22 | 7° 1 | 0♒40 | 7°25 | 8°53 | 19° 6 | 4°35 | 1°23 | 5°18 | 6°34 | 20°18 | n.a. | T 13 |
| W14 | 12 21 51 | 6°28'53 | 3♌13 | 26° 1 | 8°15 | 1°24 | 7°34 | 8°57 | 19° 3 | 4°33 | 1°22 | 5°15 | 6°31 | 20°25 | n.a. | W14 |
| T 15 | 12 25 48 | 7°26'09 | 17°49 | 27°37 | 9°28 | 2° 8 | 7°44 | 9° 2 | 19° 1 | 4°32 | 1°21 | 5°10 | 6°28 | 20°32 | n.a. | T 15 |
| F 16 | 12 29 44 | 8°23'24 | 2♍37 | 29°11 | 10°42 | 2°52 | 7°53 | 9° 7 | 18°59 | 4°31 | 1°19 | 5° 3 | 6°24 | 20°39 | n.a. | F 16 |
| S 17 | 12 33 41 | 9°20'38 | 17°31 | 0♉41 | 11°56 | 3°36 | 8° 2 | 9°12 | 18°56 | 4°29 | 1°18 | 4°55 | 6°21 | 20°45 | n.a. | S 17 |
| S 18 | 12 37 37 | 10°17'52 | 2♎23 | 2° 9 | 13° 9 | 4°20 | 8°12 | 9°17 | 18°54 | 4°28 | 1°17 | 4°47 | 6°18 | 20°52 | n.a. | S 18 |
| M19 | 12 41 34 | 11°15'04 | 17° 2 | 3°33 | 14°23 | 5° 3 | 8°22 | 9°22 | 18°52 | 4°26 | 1°16 | 4°40 | 6°15 | 20°59 | n.a. | M19 |
| T 20 | 12 45 30 | 12°12'15 | 1♏23 | 4°54 | 15°37 | 5°47 | 8°31 | 9°28 | 18°49 | 4°25 | 1°14 | 4°34 | 6°12 | 21° 5 | n.a. | T 20 |
| W21 | 12 49 27 | 13° 9'26 | 15°20 | 6°12 | 16°50 | 6°30 | 8°41 | 9°33 | 18°47 | 4°23 | 1°13 | 4°30 | 6° 8 | 21°12 | n.a. | W21 |
| T 22 | 12 53 24 | 14° 6'36 | 28°51 | 7°27 | 18° 4 | 7°14 | 8°51 | 9°38 | 18°45 | 4°22 | 1°12 | 4°D29 | 6° 5 | 21°19 | n.a. | T 22 |
| F 23 | 12 57 20 | 15° 3'45 | 11♐56 | 8°38 | 19°17 | 7°57 | 9° 1 | 9°44 | 18°43 | 4°21 | 1°11 | 4°29 | 6° 2 | 21°26 | n.a. | F 23 |
| S 24 | 13 1 17 | 16° 0'54 | 24°37 | 9°47 | 20°31 | 8°41 | 9°11 | 9°49 | 18°41 | 4°19 | 1°10 | 4°30 | 5°59 | 21°32 | n.a. | S 24 |
| S 25 | 13 5 13 | 16°58'03 | 7♑ 0 | 10°52 | 21°45 | 9°24 | 9°22 | 9°55 | 18°39 | 4°17 | 1° 9 | 4°31 | 5°56 | 21°39 | n.a. | S 25 |
| M26 | 13 9 10 | 17°55'11 | 19° 7 | 11°53 | 22°58 | 10° 7 | 9°32 | 10° 0 | 18°36 | 4°16 | 1° 8 | 4°R31 | 5°53 | 21°46 | n.a. | M26 |
| T 27 | 13 13 6 | 18°52'19 | 1♒ 4 | 12°51 | 24°12 | 10°50 | 9°42 | 10° 6 | 18°34 | 4°14 | 1° 7 | 4°30 | 5°49 | 21°53 | n.a. | T 27 |
| W28 | 13 17 3 | 19°49'26 | 12°57 | 13°46 | 25°26 | 11°33 | 9°53 | 10°12 | 18°32 | 4°13 | 1° 6 | 4°28 | 5°46 | 21°59 | n.a. | W28 |
| T 29 | 13 21 0 | 20°46'34 | 24°49 | 14°36 | 26°39 | 12°16 | 10° 3 | 10°18 | 18°30 | 4°11 | 1° 5 | 4°23 | 5°43 | 22° 6 | n.a. | T 29 |
| F 30 | 13 24 56 | 21♈43'40 | 6♓44 | 15♉23 | 27♈53 | 12♒59 | 10♊14 | 10♊24 | 18♍28 | 4♏10 | 1♍ 4 | 4♐17 | 5♐40 | 22♒13 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s25 | 11s44 | 4n43 | 1n 4 | 0n40 | 4s 8 | 1s 6 | 23s28 | 1s22 | 22n 5 | 0n24 | 21n53 | 0s12 | 4n54 | 0n46 | 11s43 | 1n47 | 27n32 | 17n47 | 21s50 | 21s57 | 10s48 | | n.a. |
| F 2 | 2 2 | 7 39 | 4 58 | 2 5 | 0 50 | 3 36 | 1 4 | 23 21 | 1 23 | 22 6 | 0 24 | 21 54 | 0 12 | 4 55 | 0 46 | 11 42 | 1 47 | 27 32 | 17 46 | 21 48 | 21 56 | 10 46 | | n.a. |
| S 3 | 1 38 | 3 15 | 5 1 | 3 5 | 1 0 | 3 5 | 1 3 | 23 14 | 1 24 | 22 8 | 0 24 | 21 54 | 0 12 | 4 56 | 0 46 | 11 42 | 1 47 | 27 33 | 17 46 | 21 46 | 21 56 | 10 43 | | n.a. |
| S 4 | 1 15 | 1n18 | 4 49 | 4 4 | 1 10 | 2 34 | 1 1 | 23 7 | 1 25 | 22 9 | 0 24 | 21 55 | 0 12 | 4 57 | 0 46 | 11 41 | 1 47 | 27 33 | 17 46 | 21 44 | 21 55 | 10 41 | | n.a. |
| M 5 | 0 52 | 5 51 | 4 25 | 5 2 | 1 19 | 2 3 | 1 0 | 23 0 | 1 26 | 22 11 | 0 24 | 21 56 | 0 12 | 4 58 | 0 46 | 11 41 | 1 47 | 27 33 | 17 46 | 21 41 | 21 55 | 10 38 | | n.a. |
| T 6 | 0 28 | 10 13 | 3 48 | 5 58 | 1 28 | 1 31 | 0 58 | 22 53 | 1 27 | 22 12 | 0 24 | 21 57 | 0 12 | 4 59 | 0 46 | 11 41 | 1 47 | 27 34 | 17 45 | 21 40 | 21 54 | 10 36 | | n.a. |
| W 7 | 0 5 | 14 13 | 2 59 | 6 53 | 1 37 | 1 0 | 0 56 | 22 45 | 1 28 | 22 14 | 0 24 | 21 58 | 0 12 | 5 0 | 0 46 | 11 40 | 1 47 | 27 34 | 17 45 | 21 38 | 21 54 | 10 34 | | n.a. |
| T 8 | 0n18 | 17 38 | 2 1 | 7 46 | 1 44 | 0 28 | 0 54 | 22 38 | 1 29 | 22 15 | 0 24 | 21 58 | 0 12 | 5 1 | 0 46 | 11 40 | 1 47 | 27 34 | 17 45 | 21 37 | 21 53 | 10 31 | | n.a. |
| F 9 | 0 41 | 20 15 | 0 56 | 8 38 | 1 52 | 0n 3 | 0 52 | 22 30 | 1 29 | 22 17 | 0 24 | 21 59 | 0 11 | 5 2 | 0 46 | 11 39 | 1 47 | 27 35 | 17 44 | 21 37 | 21 53 | 10 29 | | n.a. |
| S 10 | 1 5 | 21 50 | 0s14 | 9 27 | 1 58 | 0 35 | 0 51 | 22 21 | 1 30 | 22 18 | 0 24 | 22 0 | 0 11 | 5 3 | 0 46 | 11 39 | 1 47 | 27 35 | 17 44 | 21 37 | 21 52 | 10 27 | | n.a. |
| S 11 | 1 28 | 22 14 | 1 24 | 10 14 | 2 4 | 1 6 | 0 49 | 22 13 | 1 31 | 22 20 | 0 24 | 22 1 | 0 11 | 5 4 | 0 46 | 11 38 | 1 47 | 27 35 | 17 44 | 21 37 | 21 52 | 10 24 | | n.a. |
| M12 | 1 51 | 21 18 | 2 31 | 10 59 | 2 10 | 1 38 | 0 47 | 22 4 | 1 32 | 22 22 | 0 24 | 22 2 | 0 11 | 5 5 | 0 46 | 11 38 | 1 47 | 27 35 | 17 43 | 21 37 | 21 51 | 10 22 | | n.a. |
| T 13 | 2 14 | 19 4 | 3 31 | 11 42 | 2 14 | 2 9 | 0 45 | 21 55 | 1 33 | 22 23 | 0 24 | 22 3 | 0 11 | 5 6 | 0 46 | 11 37 | 1 48 | 27 35 | 17 43 | 21 37 | 21 50 | 10 20 | | n.a. |
| W14 | 2 37 | 15 38 | 4 19 | 12 23 | 2 18 | 2 41 | 0 43 | 21 46 | 1 34 | 22 25 | 0 24 | 22 3 | 0 11 | 5 7 | 0 46 | 11 37 | 1 48 | 27 36 | 17 43 | 21 36 | 21 50 | 10 17 | | n.a. |
| T 15 | 3 0 | 11 11 | 4 51 | 13 2 | 2 21 | 3 12 | 0 41 | 21 37 | 1 35 | 22 26 | 0 24 | 22 4 | 0 11 | 5 8 | 0 46 | 11 36 | 1 48 | 27 36 | 17 42 | 21 36 | 21 49 | 10 15 | | n.a. |
| F 16 | 3 23 | 6 1 | 5 5 | 13 38 | 2 24 | 3 44 | 0 39 | 21 28 | 1 36 | 22 28 | 0 24 | 22 5 | 0 11 | 5 9 | 0 46 | 11 36 | 1 48 | 27 36 | 17 42 | 21 34 | 21 49 | 10 13 | | n.a. |
| S 17 | 3 46 | 0 28 | 4 58 | 14 12 | 2 26 | 4 15 | 0 37 | 21 18 | 1 37 | 22 30 | 0 25 | 22 6 | 0 11 | 5 10 | 0 46 | 11 35 | 1 48 | 27 36 | 17 42 | 21 33 | 21 48 | 10 10 | | n.a. |
| S 18 | 4 9 | 5s 5 | 4 31 | 14 45 | 2 27 | 4 46 | 0 34 | 21 8 | 1 38 | 22 31 | 0 25 | 22 7 | 0 10 | 5 11 | 0 46 | 11 35 | 1 48 | 27 36 | 17 41 | 21 31 | 21 48 | 10 8 | | n.a. |
| M19 | 4 32 | 10 18 | 3 46 | 15 14 | 2 27 | 5 17 | 0 32 | 20 59 | 1 38 | 22 33 | 0 25 | 22 8 | 0 10 | 5 11 | 0 46 | 11 34 | 1 48 | 27 36 | 17 41 | 21 30 | 21 47 | 10 5 | | n.a. |
| T 20 | 4 55 | 14 48 | 2 48 | 15 42 | 2 26 | 5 48 | 0 30 | 20 48 | 1 39 | 22 34 | 0 25 | 22 9 | 0 10 | 5 12 | 0 46 | 11 34 | 1 48 | 27 36 | 17 40 | 21 29 | 21 47 | 10 3 | | n.a. |
| W21 | 5 18 | 18 22 | 1 41 | 16 8 | 2 25 | 6 19 | 0 28 | 20 38 | 1 40 | 22 36 | 0 25 | 22 10 | 0 10 | 5 13 | 0 46 | 11 33 | 1 48 | 27 36 | 17 40 | 21 28 | 21 46 | 10 1 | | n.a. |
| T 22 | 5 40 | 20 48 | 0 30 | 16 31 | 2 23 | 6 50 | 0 26 | 20 28 | 1 41 | 22 38 | 0 25 | 22 11 | 0 10 | 5 14 | 0 46 | 11 33 | 1 48 | 27 37 | 17 40 | 21 28 | 21 45 | 9 58 | | n.a. |
| F 23 | 6 3 | 22 1 | 0n40 | 16 52 | 2 20 | 7 20 | 0 23 | 20 17 | 1 42 | 22 39 | 0 25 | 22 12 | 0 10 | 5 15 | 0 46 | 11 32 | 1 48 | 27 37 | 17 39 | 21 28 | 21 45 | 9 56 | | n.a. |
| S 24 | 6 25 | 22 2 | 1 46 | 17 11 | 2 16 | 7 51 | 0 21 | 20 6 | 1 43 | 22 41 | 0 25 | 22 12 | 0 10 | 5 16 | 0 46 | 11 32 | 1 48 | 27 37 | 17 39 | 21 28 | 21 44 | 9 54 | | n.a. |
| S 25 | 6 48 | 20 58 | 2 46 | 17 28 | 2 11 | 8 21 | 0 19 | 19 55 | 1 44 | 22 43 | 0 25 | 22 13 | 0 10 | 5 17 | 0 46 | 11 31 | 1 48 | 27 37 | 17 38 | 21 28 | 21 44 | 9 51 | | n.a. |
| M26 | 7 10 | 18 57 | 3 37 | 17 42 | 2 6 | 8 51 | 0 17 | 19 44 | 1 45 | 22 44 | 0 25 | 22 14 | 0 10 | 5 17 | 0 46 | 11 31 | 1 48 | 27 37 | 17 38 | 21 28 | 21 43 | 9 49 | | n.a. |
| T 27 | 7 32 | 16 8 | 4 18 | 17 55 | 2 0 | 9 21 | 0 14 | 19 33 | 1 45 | 22 46 | 0 25 | 22 15 | 0 9 | 5 18 | 0 46 | 11 30 | 1 48 | 27 37 | 17 37 | 21 28 | 21 43 | 9 47 | | n.a. |
| W28 | 7 54 | 12 41 | 4 47 | 18 5 | 1 53 | 9 51 | 0 12 | 19 22 | 1 46 | 22 48 | 0 25 | 22 16 | 0 9 | 5 19 | 0 45 | 11 30 | 1 48 | 27 37 | 17 37 | 21 28 | 21 42 | 9 44 | | n.a. |
| T 29 | 8 16 | 8 44 | 5 4 | 18 13 | 1 46 | 10 20 | 0 10 | 19 10 | 1 47 | 22 49 | 0 25 | 22 17 | 0 9 | 5 20 | 0 45 | 11 29 | 1 48 | 27 36 | 17 37 | 21 27 | 21 41 | 9 42 | | n.a. |
| F 30 | 8n38 | 4s27 | 5n 8 | 18n20 | 1n37 | 10n49 | 0s 7 | 18s58 | 1s48 | 22n51 | 0n25 | 22n18 | 0s 9 | 5n21 | 0n45 | 11s28 | 1n48 | 27n36 | 17n36 | 21s26 | 21s41 | 9s39 | | n.a. |

Julian Day Number = 1001240.5, Delta T = 12h50m56s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'30, Lahiri = -31°08'30 Julian Calendar 1 Apr. 1972 BCE == Greg. Calendar 15 March 1972 BCE


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## MAY 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 28 53 | 22♈40'47 | 18♓46 | 16♉ 7 | 29♈ 7 | 13♒42 | 10♊25 | 10♊30 | 18°R26 | 4°R 8 | 1°R 3 | 4°R10 | 5♐37 | 22♒19 | n.a. | S 1 |
| S 2 | 13 32 49 | 23°37'53 | 0♈57 | 16°46 | 0♉20 | 14°25 | 10°35 | 10°36 | 18♍25 | 4♏ 7 | 1♍ 2 | 4♐ 3 | 5°33 | 22°26 | n.a. | S 2 |
| M 3 | 13 36 46 | 24°34'59 | 13°19 | 17°21 | 1°34 | 15° 8 | 10°46 | 10°42 | 18°23 | 4° 5 | 1° 2 | 3°56 | 5°30 | 22°33 | n.a. | M 3 |
| T 4 | 13 40 42 | 25°32'04 | 25°53 | 17°52 | 2°48 | 15°50 | 10°57 | 10°48 | 18°21 | 4° 3 | 1° 1 | 3°50 | 5°27 | 22°40 | n.a. | T 4 |
| W 5 | 13 44 39 | 26°29'09 | 8♉40 | 18°19 | 4° 1 | 16°33 | 11° 8 | 10°54 | 18°19 | 4° 2 | 1° 0 | 3°46 | 5°24 | 22°46 | n.a. | W 5 |
| T 6 | 13 48 35 | 27°26'14 | 21°38 | 18°41 | 5°15 | 17°15 | 11°19 | 11° 0 | 18°17 | 4° 0 | 0°59 | 3°44 | 5°21 | 22°53 | n.a. | T 6 |
| F 7 | 13 52 32 | 28°23'18 | 4♊49 | 18°59 | 6°28 | 17°58 | 11°31 | 11° 6 | 18°15 | 3°59 | 0°59 | 3°D43 | 5°18 | 23° 0 | n.a. | F 7 |
| S 8 | 13 56 29 | 29°20'23 | 18°13 | 19°12 | 7°42 | 18°40 | 11°42 | 11°13 | 18°14 | 3°57 | 0°58 | 3°44 | 5°14 | 23° 6 | n.a. | S 8 |
| S 9 | 14 0 25 | 0♉17'26 | 1♋49 | 19°21 | 8°56 | 19°22 | 11°53 | 11°19 | 18°12 | 3°55 | 0°57 | 3°45 | 5°11 | 23°13 | n.a. | S 9 |
| M10 | 14 4 22 | 1°14'29 | 15°37 | 19°R26 | 10° 9 | 20° 4 | 12° 5 | 11°26 | 18°11 | 3°54 | 0°57 | 3°47 | 5° 8 | 23°20 | n.a. | M10 |
| T 11 | 14 8 18 | 2°11'32 | 29°37 | 19°25 | 11°23 | 20°46 | 12°16 | 11°32 | 18° 9 | 3°52 | 0°56 | 3°R47 | 5° 5 | 23°27 | n.a. | T 11 |
| W12 | 14 12 15 | 3° 8'34 | 13♌49 | 19°21 | 12°37 | 21°28 | 12°28 | 11°39 | 18° 7 | 3°51 | 0°55 | 3°47 | 5° 2 | 23°33 | n.a. | W12 |
| T 13 | 14 16 11 | 4° 5'36 | 28°10 | 19°11 | 13°50 | 22° 9 | 12°39 | 11°45 | 18° 6 | 3°49 | 0°55 | 3°45 | 4°59 | 23°40 | n.a. | T 13 |
| F 14 | 14 20 8 | 5° 2'38 | 12♍37 | 18°58 | 15° 4 | 22°51 | 12°51 | 11°52 | 18° 4 | 3°47 | 0°54 | 3°42 | 4°55 | 23°47 | n.a. | F 14 |
| S 15 | 14 24 5 | 5°59'39 | 27° 6 | 18°40 | 16°17 | 23°33 | 13° 2 | 11°58 | 18° 3 | 3°46 | 0°54 | 3°39 | 4°52 | 23°53 | n.a. | S 15 |
| S 16 | 14 28 1 | 6°56'40 | 11♎31 | 18°18 | 17°31 | 24°14 | 13°14 | 12° 5 | 18° 2 | 3°44 | 0°54 | 3°35 | 4°49 | 24° 0 | n.a. | S 16 |
| M17 | 14 31 58 | 7°53'41 | 25°46 | 17°53 | 18°45 | 24°55 | 13°26 | 12°12 | 18° 0 | 3°42 | 0°53 | 3°32 | 4°46 | 24° 7 | n.a. | M17 |
| T 18 | 14 35 54 | 8°50'42 | 9♏47 | 17°24 | 19°58 | 25°37 | 13°38 | 12°19 | 17°59 | 3°41 | 0°53 | 3°29 | 4°43 | 24°14 | n.a. | T 18 |
| W19 | 14 39 51 | 9°47'43 | 23°30 | 16°53 | 21°12 | 26°18 | 13°50 | 12°26 | 17°58 | 3°39 | 0°52 | 3°28 | 4°39 | 24°20 | n.a. | W19 |
| T 20 | 14 43 47 | 10°44'45 | 6♐52 | 16°19 | 22°26 | 26°59 | 14° 2 | 12°33 | 17°57 | 3°38 | 0°52 | 3°D28 | 4°36 | 24°27 | n.a. | T 20 |
| F 21 | 14 47 44 | 11°41'46 | 19°53 | 15°44 | 23°39 | 27°40 | 14°14 | 12°39 | 17°55 | 3°36 | 0°52 | 3°28 | 4°33 | 24°34 | n.a. | F 21 |
| S 22 | 14 51 40 | 12°38'49 | 2♑34 | 15° 7 | 24°53 | 28°21 | 14°26 | 12°46 | 17°54 | 3°34 | 0°52 | 3°30 | 4°30 | 24°41 | n.a. | S 22 |
| S 23 | 14 55 37 | 13°35'51 | 14°57 | 14°29 | 26° 6 | 29° 1 | 14°38 | 12°53 | 17°53 | 3°33 | 0°51 | 3°31 | 4°27 | 24°47 | n.a. | S 23 |
| M24 | 14 59 34 | 14°32'55 | 27° 6 | 13°52 | 27°20 | 29°42 | 14°50 | 13° 0 | 17°52 | 3°31 | 0°51 | 3°32 | 4°24 | 24°54 | n.a. | M24 |
| T 25 | 15 3 30 | 15°29'58 | 9♒ 5 | 13°15 | 28°34 | 0♓22 | 15° 2 | 13° 8 | 17°51 | 3°30 | 0°51 | 3°33 | 4°20 | 25° 1 | n.a. | T 25 |
| W26 | 15 7 27 | 16°27'03 | 20°59 | 12°40 | 29°47 | 1° 3 | 15°15 | 13°15 | 17°50 | 3°28 | 0°51 | 3°R33 | 4°17 | 25° 7 | n.a. | W26 |
| T 27 | 15 11 23 | 17°24'08 | 2♓53 | 12° 6 | 1♊ 1 | 1°43 | 15°27 | 13°22 | 17°49 | 3°27 | 0°51 | 3°32 | 4°14 | 25°14 | n.a. | T 27 |
| F 28 | 15 15 20 | 18°21'14 | 14°50 | 11°36 | 2°14 | 2°23 | 15°39 | 13°29 | 17°49 | 3°25 | 0°D51 | 3°31 | 4°11 | 25°21 | n.a. | F 28 |
| S 29 | 15 19 16 | 19°18'20 | 26°56 | 11° 8 | 3°28 | 3° 3 | 15°52 | 13°36 | 17°48 | 3°23 | 0°51 | 3°29 | 4° 8 | 25°28 | n.a. | S 29 |
| S 30 | 15 23 13 | 20°15'27 | 9♈13 | 10°43 | 4°42 | 3°43 | 16° 4 | 13°43 | 17°47 | 3°22 | 0°51 | 3°28 | 4° 4 | 25°34 | n.a. | S 30 |
| M31 | 15 27 10 | 21♉12'35 | 21♈44 | 10♉23 | 5♊55 | 4♓23 | 16♊17 | 13♊51 | 17♍46 | 3♏20 | 0♍51 | 3♐26 | 4♐ 1 | 25♒41 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9n 0 | 0n 2 | 4n59 | 18n24 | 1n28 | 11n18 | 0s 5 | 18s47 | 1s49 | 22n53 | 0n25 | 22n19 | 0s 9 | 5n21 | 0n45 | 11s28 | 1n48 | 27n36 | 17n36 | 21s24 | 21s40 | 9s37 | | n.a. |
| S 2 | 9 21 | 4 35 | 4 36 | 18 26 | 1 18 | 11 47 | 0 2 | 18 35 | 1 49 | 22 54 | 0 25 | 22 20 | 0 9 | 5 22 | 0 45 | 11 27 | 1 48 | 27 36 | 17 35 | 21 23 | 21 40 | 9 35 | | n.a. |
| M 3 | 9 43 | 9 1 | 3 59 | 18 26 | 1 8 | 12 15 | 0 0 | 18 23 | 1 50 | 22 56 | 0 25 | 22 21 | 0 9 | 5 23 | 0 45 | 11 27 | 1 48 | 27 36 | 17 35 | 21 22 | 21 39 | 9 32 | | n.a. |
| T 4 | 10 4 | 13 9 | 3 11 | 18 24 | 0 56 | 12 43 | 0n 2 | 18 10 | 1 51 | 22 57 | 0 25 | 22 22 | 0 9 | 5 23 | 0 45 | 11 26 | 1 48 | 27 36 | 17 34 | 21 20 | 21 39 | 9 30 | | n.a. |
| W 5 | 10 25 | 16 45 | 2 12 | 18 20 | 0 44 | 13 11 | 0 5 | 17 58 | 1 52 | 22 59 | 0 26 | 22 23 | 0 9 | 5 24 | 0 45 | 11 26 | 1 48 | 27 36 | 17 34 | 21 20 | 21 38 | 9 28 | | n.a. |
| T 6 | 10 46 | 19 35 | 1 5 | 18 14 | 0 31 | 13 39 | 0 7 | 17 46 | 1 53 | 23 1 | 0 26 | 22 24 | 0 9 | 5 25 | 0 45 | 11 25 | 1 48 | 27 36 | 17 33 | 21 19 | 21 37 | 9 25 | | n.a. |
| F 7 | 11 7 | 21 26 | 0s 6 | 18 6 | 0 18 | 14 6 | 0 9 | 17 33 | 1 53 | 23 2 | 0 26 | 22 25 | 0 8 | 5 25 | 0 45 | 11 25 | 1 48 | 27 35 | 17 33 | 21 19 | 21 37 | 9 23 | | n.a. |
| S 8 | 11 28 | 22 5 | 1 18 | 17 56 | 0 4 | 14 33 | 0 12 | 17 20 | 1 54 | 23 4 | 0 26 | 22 26 | 0 8 | 5 26 | 0 45 | 11 24 | 1 48 | 27 35 | 17 32 | 21 19 | 21 36 | 9 20 | | n.a. |
| S 9 | 11 48 | 21 27 | 2 27 | 17 45 | 0s11 | 14 59 | 0 14 | 17 8 | 1 55 | 23 6 | 0 26 | 22 27 | 0 8 | 5 27 | 0 45 | 11 24 | 1 48 | 27 35 | 17 32 | 21 20 | 21 36 | 9 18 | | n.a. |
| M10 | 12 8 | 19 32 | 3 29 | 17 31 | 0 26 | 15 25 | 0 17 | 16 55 | 1 56 | 23 7 | 0 26 | 22 28 | 0 8 | 5 27 | 0 45 | 11 23 | 1 48 | 27 35 | 17 31 | 21 20 | 21 35 | 9 16 | | n.a. |
| T 11 | 12 28 | 16 25 | 4 19 | 17 17 | 0 41 | 15 51 | 0 19 | 16 42 | 1 57 | 23 9 | 0 26 | 22 29 | 0 8 | 5 28 | 0 45 | 11 22 | 1 48 | 27 34 | 17 31 | 21 20 | 21 35 | 9 13 | | n.a. |
| W12 | 12 48 | 12 19 | 4 54 | 17 0 | 0 57 | 16 16 | 0 21 | 16 29 | 1 57 | 23 10 | 0 26 | 22 30 | 0 8 | 5 29 | 0 45 | 11 22 | 1 48 | 27 34 | 17 30 | 21 20 | 21 34 | 9 11 | | n.a. |
| T 13 | 13 8 | 7 29 | 5 11 | 16 42 | 1 13 | 16 41 | 0 24 | 16 16 | 1 58 | 23 12 | 0 26 | 22 31 | 0 8 | 5 29 | 0 45 | 11 21 | 1 48 | 27 34 | 17 30 | 21 20 | 21 33 | 9 9 | | n.a. |
| F 14 | 13 28 | 2 13 | 5 9 | 16 23 | 1 29 | 17 6 | 0 26 | 16 2 | 1 59 | 23 14 | 0 26 | 22 32 | 0 8 | 5 30 | 0 45 | 11 21 | 1 48 | 27 34 | 17 29 | 21 19 | 21 33 | 9 6 | | n.a. |
| S 15 | 13 47 | 3s12 | 4 47 | 16 2 | 1 45 | 17 30 | 0 28 | 15 49 | 2 0 | 23 15 | 0 26 | 22 33 | 0 8 | 5 30 | 0 45 | 11 20 | 1 48 | 27 33 | 17 28 | 21 18 | 21 32 | 9 4 | | n.a. |
| S 16 | 14 6 | 8 25 | 4 7 | 15 41 | 2 1 | 17 53 | 0 31 | 15 36 | 2 0 | 23 17 | 0 26 | 22 34 | 0 8 | 5 31 | 0 45 | 11 20 | 1 48 | 27 33 | 17 28 | 21 18 | 21 32 | 9 1 | | n.a. |
| M17 | 14 25 | 13 8 | 3 12 | 15 19 | 2 17 | 18 16 | 0 33 | 15 22 | 2 1 | 23 18 | 0 26 | 22 35 | 0 7 | 5 31 | 0 45 | 11 19 | 1 48 | 27 33 | 17 27 | 21 17 | 21 31 | 8 59 | | n.a. |
| T 18 | 14 44 | 17 2 | 2 6 | 14 56 | 2 33 | 18 39 | 0 35 | 15 9 | 2 2 | 23 20 | 0 26 | 22 36 | 0 7 | 5 32 | 0 45 | 11 19 | 1 48 | 27 32 | 17 27 | 21 16 | 21 30 | 8 57 | | n.a. |
| W19 | 15 2 | 19 54 | 0 54 | 14 33 | 2 47 | 19 1 | 0 37 | 14 55 | 2 2 | 23 21 | 0 26 | 22 37 | 0 7 | 5 32 | 0 45 | 11 18 | 1 48 | 27 32 | 17 26 | 21 16 | 21 30 | 8 54 | | n.a. |
| T 20 | 15 21 | 21 35 | 0n19 | 14 9 | 3 1 | 19 23 | 0 40 | 14 41 | 2 3 | 23 23 | 0 27 | 22 38 | 0 7 | 5 33 | 0 45 | 11 18 | 1 48 | 27 31 | 17 26 | 21 16 | 21 29 | 8 52 | | n.a. |
| F 21 | 15 39 | 22 3 | 1 29 | 13 46 | 3 15 | 19 44 | 0 42 | 14 27 | 2 4 | 23 24 | 0 27 | 22 39 | 0 7 | 5 33 | 0 45 | 11 17 | 1 48 | 27 31 | 17 25 | 21 16 | 21 29 | 8 50 | | n.a. |
| S 22 | 15 57 | 21 20 | 2 33 | 13 24 | 3 27 | 20 5 | 0 44 | 14 14 | 2 4 | 23 26 | 0 27 | 22 40 | 0 7 | 5 33 | 0 45 | 11 16 | 1 48 | 27 31 | 17 25 | 21 16 | 21 28 | 8 47 | | n.a. |
| S 23 | 16 14 | 19 36 | 3 29 | 13 2 | 3 38 | 20 25 | 0 46 | 14 0 | 2 5 | 23 27 | 0 27 | 22 41 | 0 7 | 5 34 | 0 45 | 11 16 | 1 48 | 27 30 | 17 24 | 21 17 | 21 27 | 8 45 | | n.a. |
| M24 | 16 31 | 17 0 | 4 14 | 12 42 | 3 48 | 20 45 | 0 48 | 13 46 | 2 6 | 23 29 | 0 27 | 22 42 | 0 7 | 5 34 | 0 45 | 11 15 | 1 48 | 27 30 | 17 23 | 21 17 | 21 27 | 8 42 | | n.a. |
| T 25 | 16 49 | 13 44 | 4 47 | 12 22 | 3 57 | 21 4 | 0 50 | 13 32 | 2 6 | 23 30 | 0 27 | 22 43 | 0 7 | 5 35 | 0 45 | 11 15 | 1 48 | 27 29 | 17 23 | 21 17 | 21 26 | 8 40 | | n.a. |
| W26 | 17 5 | 9 56 | 5 8 | 12 5 | 4 4 | 21 22 | 0 53 | 13 18 | 2 7 | 23 32 | 0 27 | 22 44 | 0 7 | 5 35 | 0 45 | 11 14 | 1 48 | 27 29 | 17 22 | 21 17 | 21 26 | 8 38 | | n.a. |
| T 27 | 17 22 | 5 45 | 5 16 | 11 49 | 4 10 | 21 40 | 0 55 | 13 4 | 2 8 | 23 33 | 0 27 | 22 45 | 0 7 | 5 35 | 0 45 | 11 14 | 1 48 | 27 28 | 17 22 | 21 17 | 21 25 | 8 35 | | n.a. |
| F 28 | 17 38 | 1 21 | 5 9 | 11 36 | 4 14 | 21 57 | 0 57 | 12 49 | 2 8 | 23 35 | 0 27 | 22 46 | 0 6 | 5 35 | 0 44 | 11 13 | 1 48 | 27 28 | 17 21 | 21 17 | 21 24 | 8 33 | | n.a. |
| S 29 | 17 54 | 3n10 | 4 50 | 11 25 | 4 16 | 22 14 | 0 59 | 12 35 | 2 9 | 23 36 | 0 27 | 22 47 | 0 6 | 5 36 | 0 44 | 11 13 | 1 47 | 27 27 | 17 21 | 21 16 | 21 24 | 8 30 | | n.a. |
| S 30 | 18 10 | 7 38 | 4 16 | 11 16 | 4 18 | 22 30 | 1 0 | 12 21 | 2 10 | 23 38 | 0 27 | 22 48 | 0 6 | 5 36 | 0 44 | 11 12 | 1 47 | 27 27 | 17 20 | 21 16 | 21 23 | 8 28 | | n.a. |
| M31 | 18n25 | 11n52 | 3n30 | 11n10 | 4s17 | 22n45 | 1n 2 | 12s 7 | 2s10 | 23n39 | 0n27 | 22n49 | 0s 6 | 5n36 | 0n44 | 11s12 | 1n47 | 27n26 | 17n19 | 21s16 | 21s23 | 8s26 | | n.a. |

Julian Day Number = 1001270.5, Delta T = 12h50m54s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'26, Lahiri = -31°08'26 Julian Calendar 1 May 1972 BCE == Greg. Calendar 14 Apr. 1972 BCE

The year -1971 astronomical counting style corresponds to year 1972 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## JUNE 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 31 6 | 22♉ 9'44 | 4♉31 | 10°R 8 | 7♊ 9 | 5♓ 2 | 16♊29 | 13♊58 | 17°R46 | 3°R19 | 0♍51 | 3°R24 | 3♐58 | 25♒48 | n.a. | T 1 |
| W 2 | 15 35 3 | 23° 6'53 | 17°34 | 9♉57 | 8°23 | 5°42 | 16°42 | 14° 5 | 17♍45 | 3♏17 | 0°51 | 3♐23 | 3°55 | 25°54 | n.a. | W 2 |
| T 3 | 15 38 59 | 24° 4'03 | 0♊55 | 9°51 | 9°36 | 6°21 | 16°54 | 14°13 | 17°45 | 3°16 | 0°51 | 3°D23 | 3°52 | 26° 1 | n.a. | T 3 |
| F 4 | 15 42 56 | 25° 1'14 | 14°30 | 9°D50 | 10°50 | 7° 0 | 17° 7 | 14°20 | 17°44 | 3°14 | 0°52 | 3°23 | 3°49 | 26° 8 | n.a. | F 4 |
| S 5 | 15 46 52 | 25°58'25 | 28°19 | 9°55 | 12° 4 | 7°39 | 17°20 | 14°27 | 17°44 | 3°13 | 0°52 | 3°24 | 3°45 | 26°15 | n.a. | S 5 |
| S 6 | 15 50 49 | 26°55'37 | 12♋18 | 10° 6 | 13°17 | 8°18 | 17°33 | 14°35 | 17°43 | 3°11 | 0°52 | 3°24 | 3°42 | 26°21 | n.a. | S 6 |
| M 7 | 15 54 45 | 27°52'50 | 26°25 | 10°22 | 14°31 | 8°57 | 17°45 | 14°42 | 17°43 | 3°10 | 0°53 | 3°25 | 3°39 | 26°28 | n.a. | M 7 |
| T 8 | 15 58 42 | 28°50'03 | 10♌38 | 10°44 | 15°44 | 9°35 | 17°58 | 14°50 | 17°43 | 3° 9 | 0°53 | 3°25 | 3°36 | 26°35 | n.a. | T 8 |
| W 9 | 16 2 39 | 29°47'16 | 24°52 | 11°12 | 16°58 | 10°14 | 18°11 | 14°57 | 17°43 | 3° 7 | 0°53 | 3°R25 | 3°33 | 26°42 | n.a. | W 9 |
| T 10 | 16 6 35 | 0♊44'30 | 9♍ 7 | 11°45 | 18°12 | 10°52 | 18°24 | 15° 5 | 17°42 | 3° 6 | 0°54 | 3°25 | 3°30 | 26°48 | n.a. | T 10 |
| F 11 | 16 10 32 | 1°41'45 | 23°18 | 12°25 | 19°25 | 11°30 | 18°37 | 15°12 | 17°42 | 3° 4 | 0°54 | 3°25 | 3°26 | 26°55 | n.a. | F 11 |
| S 12 | 16 14 28 | 2°39'00 | 7♎24 | 13°10 | 20°39 | 12° 8 | 18°49 | 15°20 | 17°42 | 3° 3 | 0°55 | 3°25 | 3°23 | 27° 2 | n.a. | S 12 |
| S 13 | 16 18 25 | 3°36'16 | 21°23 | 14° 0 | 21°52 | 12°46 | 19° 2 | 15°27 | 17°D42 | 3° 2 | 0°55 | 3°D25 | 3°20 | 27° 8 | n.a. | S 13 |
| M14 | 16 22 21 | 4°33'33 | 5♏10 | 14°57 | 23° 6 | 13°23 | 19°15 | 15°35 | 17°42 | 3° 0 | 0°56 | 3°25 | 3°17 | 27°15 | n.a. | M14 |
| T 15 | 16 26 18 | 5°30'51 | 18°45 | 15°59 | 24°20 | 14° 1 | 19°28 | 15°42 | 17°42 | 2°59 | 0°56 | 3°25 | 3°14 | 27°22 | n.a. | T 15 |
| W16 | 16 30 15 | 6°28'10 | 2♐ 6 | 17° 6 | 25°33 | 14°38 | 19°41 | 15°50 | 17°43 | 2°58 | 0°57 | 3°R25 | 3°10 | 27°29 | n.a. | W16 |
| T 17 | 16 34 11 | 7°25'30 | 15°11 | 18°18 | 26°47 | 15°15 | 19°54 | 15°58 | 17°43 | 2°57 | 0°57 | 3°25 | 3° 7 | 27°35 | n.a. | T 17 |
| F 18 | 16 38 8 | 8°22'51 | 28° 1 | 19°36 | 28° 0 | 15°52 | 20° 7 | 16° 5 | 17°43 | 2°55 | 0°58 | 3°25 | 3° 4 | 27°42 | n.a. | F 18 |
| S 19 | 16 42 4 | 9°20'13 | 10♑34 | 20°59 | 29°14 | 16°29 | 20°20 | 16°13 | 17°43 | 2°54 | 0°59 | 3°24 | 3° 1 | 27°49 | n.a. | S 19 |
| S 20 | 16 46 1 | 10°17'37 | 22°54 | 22°26 | 0♋27 | 17° 5 | 20°33 | 16°20 | 17°44 | 2°53 | 1° 0 | 3°24 | 2°58 | 27°56 | n.a. | S 20 |
| M21 | 16 49 57 | 11°15'02 | 5♒ 2 | 23°58 | 1°41 | 17°42 | 20°46 | 16°28 | 17°44 | 2°52 | 1° 0 | 3°23 | 2°55 | 28° 2 | n.a. | M21 |
| T 22 | 16 53 54 | 12°12'28 | 17° 1 | 25°34 | 2°55 | 18°18 | 20°59 | 16°36 | 17°44 | 2°50 | 1° 1 | 3°22 | 2°51 | 28° 9 | n.a. | T 22 |
| W23 | 16 57 50 | 13° 9'56 | 28°55 | 27°14 | 4° 8 | 18°54 | 21°13 | 16°43 | 17°45 | 2°49 | 1° 2 | 3°21 | 2°48 | 28°16 | n.a. | W23 |
| T 24 | 17 1 47 | 14° 7'25 | 10♓49 | 28°58 | 5°22 | 19°30 | 21°26 | 16°51 | 17°46 | 2°48 | 1° 3 | 3°D21 | 2°45 | 28°22 | n.a. | T 24 |
| F 25 | 17 5 44 | 15° 4'57 | 22°46 | 0♊46 | 6°35 | 20° 5 | 21°39 | 16°59 | 17°46 | 2°47 | 1° 4 | 3°21 | 2°42 | 28°29 | n.a. | F 25 |
| S 26 | 17 9 40 | 16° 2'29 | 4♈51 | 2°36 | 7°49 | 20°41 | 21°52 | 17° 6 | 17°47 | 2°46 | 1° 5 | 3°21 | 2°39 | 28°36 | n.a. | S 26 |
| S 27 | 17 13 37 | 17° 0'03 | 17° 9 | 4°30 | 9° 2 | 21°16 | 22° 5 | 17°14 | 17°47 | 2°45 | 1° 6 | 3°22 | 2°36 | 28°43 | n.a. | S 27 |
| M28 | 17 17 33 | 17°57'39 | 29°44 | 6°25 | 10°16 | 21°51 | 22°18 | 17°22 | 17°48 | 2°44 | 1° 7 | 3°24 | 2°32 | 28°49 | n.a. | M28 |
| T 29 | 17 21 30 | 18°55'17 | 12♉39 | 8°22 | 11°29 | 22°26 | 22°31 | 17°29 | 17°49 | 2°43 | 1° 8 | 3°25 | 2°29 | 28°56 | n.a. | T 29 |
| W30 | 17 25 26 | 19♊52'56 | 25♉55 | 10♊21 | 12♋43 | 23♓ 0 | 22♊45 | 17♊37 | 17♍50 | 2♏42 | 1♍ 9 | 3♐25 | 2♐26 | 29♒ 3 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n41 | 15n40 | 2n33 | 11n 7 | 4s16 | 23n 0 | 1n 4 | 11s53 | 2s11 | 23n40 | 0n27 | 22n50 | 0s 6 | 5n36 | 0n44 | 11s11 | 1n47 | 27n25 | 17n19 | 21s15 | 21s22 | 8s23 | | n.a. |
| W 2 | 18 55 | 18 48 | 1 26 | 11 6 | 4 12 | 23 14 | 1 6 | 11 38 | 2 12 | 23 42 | 0 27 | 22 51 | 0 6 | 5 37 | 0 44 | 11 11 | 1 47 | 27 25 | 17 18 | 21 15 | 21 21 | 8 21 | | n.a. |
| T 3 | 19 10 | 20 58 | 0 14 | 11 8 | 4 8 | 23 27 | 1 8 | 11 24 | 2 12 | 23 43 | 0 27 | 22 52 | 0 6 | 5 37 | 0 44 | 11 10 | 1 47 | 27 24 | 17 18 | 21 15 | 21 21 | 8 18 | | n.a. |
| F 4 | 19 24 | 21 59 | 1s 1 | 11 14 | 4 2 | 23 40 | 1 9 | 11 10 | 2 13 | 23 44 | 0 28 | 22 53 | 0 6 | 5 37 | 0 44 | 11 10 | 1 47 | 27 24 | 17 17 | 21 15 | 21 20 | 8 16 | | n.a. |
| S 5 | 19 38 | 21 41 | 2 14 | 11 22 | 3 56 | 23 52 | 1 11 | 10 55 | 2 13 | 23 46 | 0 28 | 22 54 | 0 6 | 5 37 | 0 44 | 11 9 | 1 47 | 27 23 | 17 16 | 21 15 | 21 20 | 8 14 | | n.a. |
| S 6 | 19 52 | 20 2 | 3 19 | 11 32 | 3 48 | 24 3 | 1 13 | 10 41 | 2 14 | 23 47 | 0 28 | 22 55 | 0 6 | 5 37 | 0 44 | 11 9 | 1 47 | 27 22 | 17 16 | 21 15 | 21 19 | 8 11 | | n.a. |
| M 7 | 20 5 | 17 9 | 4 13 | 11 46 | 3 39 | 24 14 | 1 14 | 10 27 | 2 14 | 23 48 | 0 28 | 22 56 | 0 5 | 5 37 | 0 44 | 11 8 | 1 47 | 27 22 | 17 15 | 21 16 | 21 18 | 8 9 | | n.a. |
| T 8 | 20 18 | 13 14 | 4 52 | 12 2 | 3 29 | 24 24 | 1 16 | 10 12 | 2 15 | 23 50 | 0 28 | 22 57 | 0 5 | 5 37 | 0 44 | 11 8 | 1 47 | 27 21 | 17 15 | 21 16 | 21 18 | 8 7 | | n.a. |
| W 9 | 20 31 | 8 35 | 5 13 | 12 21 | 3 19 | 24 33 | 1 17 | 9 58 | 2 16 | 23 51 | 0 28 | 22 58 | 0 5 | 5 37 | 0 44 | 11 7 | 1 47 | 27 20 | 17 14 | 21 16 | 21 17 | 8 4 | | n.a. |
| T 10 | 20 43 | 3 27 | 5 15 | 12 42 | 3 8 | 24 41 | 1 19 | 9 44 | 2 16 | 23 52 | 0 28 | 22 59 | 0 5 | 5 37 | 0 44 | 11 7 | 1 47 | 27 20 | 17 14 | 21 16 | 21 16 | 8 2 | | n.a. |
| F 11 | 20 55 | 1s50 | 4 58 | 13 5 | 2 56 | 24 49 | 1 20 | 9 29 | 2 17 | 23 53 | 0 28 | 23 0 | 0 5 | 5 37 | 0 44 | 11 7 | 1 47 | 27 19 | 17 13 | 21 16 | 21 16 | 7 59 | | n.a. |
| S 12 | 21 6 | 7 0 | 4 23 | 13 31 | 2 43 | 24 56 | 1 21 | 9 15 | 2 17 | 23 54 | 0 28 | 23 1 | 0 5 | 5 37 | 0 44 | 11 6 | 1 47 | 27 18 | 17 12 | 21 16 | 21 15 | 7 57 | | n.a. |
| S 13 | 21 18 | 11 46 | 3 33 | 13 58 | 2 31 | 25 2 | 1 23 | 9 1 | 2 18 | 23 56 | 0 28 | 23 2 | 0 5 | 5 37 | 0 44 | 11 6 | 1 47 | 27 18 | 17 12 | 21 16 | 21 15 | 7 55 | | n.a. |
| M14 | 21 29 | 15 52 | 2 30 | 14 28 | 2 17 | 25 8 | 1 24 | 8 46 | 2 18 | 23 57 | 0 28 | 23 2 | 0 5 | 5 37 | 0 44 | 11 5 | 1 47 | 27 17 | 17 11 | 21 16 | 21 14 | 7 52 | | n.a. |
| T 15 | 21 39 | 19 2 | 1 20 | 14 59 | 2 4 | 25 12 | 1 25 | 8 32 | 2 19 | 23 58 | 0 28 | 23 3 | 0 5 | 5 37 | 0 44 | 11 5 | 1 47 | 27 16 | 17 11 | 21 16 | 21 13 | 7 50 | | n.a. |
| W16 | 21 49 | 21 7 | 0 7 | 15 31 | 1 50 | 25 16 | 1 26 | 8 18 | 2 19 | 23 59 | 0 29 | 23 4 | 0 5 | 5 37 | 0 44 | 11 4 | 1 47 | 27 15 | 17 10 | 21 16 | 21 13 | 7 47 | | n.a. |
| T 17 | 21 59 | 22 0 | 1n 5 | 16 5 | 1 36 | 25 20 | 1 27 | 8 4 | 2 20 | 24 0 | 0 29 | 23 5 | 0 5 | 5 37 | 0 44 | 11 4 | 1 47 | 27 14 | 17 9 | 21 16 | 21 12 | 7 45 | | n.a. |
| F 18 | 22 9 | 21 42 | 2 12 | 16 40 | 1 23 | 25 22 | 1 28 | 7 50 | 2 20 | 24 1 | 0 29 | 23 6 | 0 5 | 5 37 | 0 44 | 11 4 | 1 47 | 27 14 | 17 9 | 21 16 | 21 12 | 7 43 | | n.a. |
| S 19 | 22 18 | 20 18 | 3 12 | 17 15 | 1 9 | 25 24 | 1 29 | 7 35 | 2 21 | 24 2 | 0 29 | 23 7 | 0 4 | 5 37 | 0 44 | 11 3 | 1 47 | 27 13 | 17 8 | 21 15 | 21 11 | 7 40 | | n.a. |
| S 20 | 22 26 | 17 58 | 4 1 | 17 52 | 0 55 | 25 25 | 1 30 | 7 21 | 2 21 | 24 3 | 0 29 | 23 8 | 0 4 | 5 37 | 0 43 | 11 3 | 1 47 | 27 12 | 17 8 | 21 15 | 21 10 | 7 38 | | n.a. |
| M21 | 22 35 | 14 53 | 4 39 | 18 28 | 0 41 | 25 25 | 1 30 | 7 7 | 2 21 | 24 4 | 0 29 | 23 9 | 0 4 | 5 36 | 0 43 | 11 3 | 1 47 | 27 11 | 17 7 | 21 15 | 21 10 | 7 35 | | n.a. |
| T 22 | 22 43 | 11 14 | 5 4 | 19 5 | 0 28 | 25 24 | 1 31 | 6 53 | 2 22 | 24 5 | 0 29 | 23 10 | 0 4 | 5 36 | 0 43 | 11 2 | 1 47 | 27 10 | 17 7 | 21 15 | 21 9 | 7 33 | | n.a. |
| W23 | 22 50 | 7 10 | 5 15 | 19 41 | 0 15 | 25 23 | 1 32 | 6 39 | 2 22 | 24 6 | 0 29 | 23 11 | 0 4 | 5 36 | 0 43 | 11 2 | 1 47 | 27 10 | 17 6 | 21 15 | 21 8 | 7 31 | | n.a. |
| T 24 | 22 57 | 2 50 | 5 14 | 20 17 | 0 3 | 25 21 | 1 32 | 6 25 | 2 23 | 24 7 | 0 29 | 23 11 | 0 4 | 5 36 | 0 43 | 11 2 | 1 47 | 27 9 | 17 5 | 21 15 | 21 8 | 7 28 | | n.a. |
| F 25 | 23 4 | 1n38 | 4 58 | 20 53 | 0n 9 | 25 18 | 1 33 | 6 11 | 2 23 | 24 8 | 0 29 | 23 12 | 0 4 | 5 35 | 0 43 | 11 1 | 1 46 | 27 8 | 17 5 | 21 15 | 21 7 | 7 26 | | n.a. |
| S 26 | 23 10 | 6 5 | 4 30 | 21 27 | 0 21 | 25 14 | 1 33 | 5 57 | 2 24 | 24 9 | 0 29 | 23 13 | 0 4 | 5 35 | 0 43 | 11 1 | 1 46 | 27 7 | 17 4 | 21 15 | 21 6 | 7 23 | | n.a. |
| S 27 | 23 16 | 10 23 | 3 49 | 21 59 | 0 32 | 25 9 | 1 33 | 5 44 | 2 24 | 24 10 | 0 29 | 23 14 | 0 4 | 5 35 | 0 43 | 11 1 | 1 46 | 27 6 | 17 4 | 21 15 | 21 6 | 7 21 | | n.a. |
| M28 | 23 22 | 14 20 | 2 56 | 22 30 | 0 42 | 25 4 | 1 34 | 5 30 | 2 24 | 24 11 | 0 30 | 23 15 | 0 4 | 5 34 | 0 43 | 11 0 | 1 46 | 27 5 | 17 3 | 21 15 | 21 5 | 7 19 | | n.a. |
| T 29 | 23 27 | 17 43 | 1 52 | 23 0 | 0 52 | 24 58 | 1 34 | 5 16 | 2 25 | 24 12 | 0 30 | 23 16 | 0 4 | 5 34 | 0 43 | 11 0 | 1 46 | 27 4 | 17 3 | 21 16 | 21 5 | 7 16 | | n.a. |
| W30 | 23n31 | 20n17 | 0n41 | 23n27 | 1n 1 | 24n51 | 1n34 | 5s 3 | 2s25 | 24n13 | 0n30 | 23n16 | 0s 3 | 5n34 | 0n43 | 11s 0 | 1n46 | 27n 3 | 17n 2 | 21s16 | 21s 4 | 7s14 | | n.a. |

Julian Day Number = 1001301.5, Delta T = 12h50m52s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'22, Lahiri = -31°08'22 Julian Calendar 1 June 1972 BCE == Greg. Calendar 15 May 1972 BCE


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## JULY 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 29 23 | 20♊50'37 | 9♊33 | 12♊22 | 13♋56 | 23♓35 | 22♊58 | 17♊45 | 17♍51 | 2°R41 | 1♍10 | 3°R25 | 2♐23 | 29♒10 | n.a. | T 1 |
| F 2 | 17 33 20 | 21°48'20 | 23°31 | 14°23 | 15°10 | 24° 9 | 23°11 | 17°52 | 17°52 | 2♏40 | 1°11 | 3♐25 | 2°20 | 29°16 | n.a. | F 2 |
| S 3 | 17 37 16 | 22°46'04 | 7♋47 | 16°24 | 16°23 | 24°43 | 23°24 | 18° 0 | 17°53 | 2°39 | 1°12 | 3°23 | 2°16 | 29°23 | n.a. | S 3 |
| S 4 | 17 41 13 | 23°43'50 | 22°14 | 18°26 | 17°37 | 25°16 | 23°37 | 18° 8 | 17°54 | 2°38 | 1°14 | 3°20 | 2°13 | 29°30 | n.a. | S 4 |
| M 5 | 17 45 9 | 24°41'37 | 6♌47 | 20°27 | 18°50 | 25°49 | 23°50 | 18°15 | 17°55 | 2°37 | 1°15 | 3°18 | 2°10 | 29°36 | n.a. | M 5 |
| T 6 | 17 49 6 | 25°39'25 | 21°21 | 22°29 | 20° 4 | 26°23 | 24° 4 | 18°23 | 17°56 | 2°37 | 1°16 | 3°15 | 2° 7 | 29°43 | n.a. | T 6 |
| W 7 | 17 53 2 | 26°37'15 | 5♍49 | 24°30 | 21°17 | 26°55 | 24°17 | 18°31 | 17°57 | 2°36 | 1°17 | 3°13 | 2° 4 | 29°50 | n.a. | W 7 |
| T 8 | 17 56 59 | 27°35'06 | 20° 7 | 26°30 | 22°31 | 27°28 | 24°30 | 18°38 | 17°59 | 2°35 | 1°19 | 3°12 | 2° 1 | 29°57 | n.a. | T 8 |
| F 9 | 18 0 55 | 28°32'59 | 4♎13 | 28°30 | 23°44 | 28° 0 | 24°43 | 18°46 | 18° 0 | 2°34 | 1°20 | 3°D12 | 1°57 | 0♓ 3 | n.a. | F 9 |
| S 10 | 18 4 52 | 29°30'53 | 18° 5 | 0♋28 | 24°58 | 28°32 | 24°56 | 18°53 | 18° 1 | 2°34 | 1°21 | 3°13 | 1°54 | 0°10 | n.a. | S 10 |
| S 11 | 18 8 49 | 0♋28'48 | 1♏43 | 2°26 | 26°11 | 29° 4 | 25° 9 | 19° 1 | 18° 3 | 2°33 | 1°23 | 3°14 | 1°51 | 0°17 | n.a. | S 11 |
| M12 | 18 12 45 | 1°26'45 | 15° 7 | 4°22 | 27°25 | 29°36 | 25°23 | 19° 8 | 18° 4 | 2°32 | 1°24 | 3°15 | 1°48 | 0°23 | n.a. | M12 |
| T 13 | 18 16 42 | 2°24'44 | 28°17 | 6°18 | 28°38 | 0♈ 7 | 25°36 | 19°16 | 18° 6 | 2°32 | 1°26 | 3°R16 | 1°45 | 0°30 | n.a. | T 13 |
| W14 | 18 20 38 | 3°22'44 | 11♐15 | 8°12 | 29°51 | 0°38 | 25°49 | 19°23 | 18° 7 | 2°31 | 1°27 | 3°16 | 1°42 | 0°37 | n.a. | W14 |
| T 15 | 18 24 35 | 4°20'46 | 24° 0 | 10° 5 | 1♌ 5 | 1° 9 | 26° 2 | 19°31 | 18° 9 | 2°31 | 1°29 | 3°15 | 1°38 | 0°44 | n.a. | T 15 |
| F 16 | 18 28 31 | 5°18'50 | 6♑34 | 11°57 | 2°18 | 1°39 | 26°15 | 19°38 | 18°11 | 2°30 | 1°30 | 3°11 | 1°35 | 0°50 | n.a. | F 16 |
| S 17 | 18 32 28 | 6°16'55 | 18°56 | 13°47 | 3°31 | 2° 9 | 26°28 | 19°46 | 18°12 | 2°30 | 1°32 | 3° 7 | 1°32 | 0°57 | n.a. | S 17 |
| S 18 | 18 36 24 | 7°15'03 | 1♒ 9 | 15°37 | 4°45 | 2°39 | 26°41 | 19°53 | 18°14 | 2°29 | 1°33 | 3° 1 | 1°29 | 1° 4 | n.a. | S 18 |
| M19 | 18 40 21 | 8°13'12 | 13°12 | 17°25 | 5°58 | 3° 8 | 26°54 | 20° 1 | 18°16 | 2°29 | 1°35 | 2°55 | 1°26 | 1°11 | n.a. | M19 |
| T 20 | 18 44 18 | 9°11'24 | 25° 9 | 19°12 | 7°11 | 3°37 | 27° 7 | 20° 8 | 18°18 | 2°28 | 1°37 | 2°49 | 1°22 | 1°17 | n.a. | T 20 |
| W21 | 18 48 14 | 10° 9'38 | 7♓ 2 | 20°57 | 8°24 | 4° 6 | 27°20 | 20°16 | 18°20 | 2°28 | 1°38 | 2°43 | 1°19 | 1°24 | n.a. | W21 |
| T 22 | 18 52 11 | 11° 7'54 | 18°54 | 22°42 | 9°38 | 4°35 | 27°33 | 20°23 | 18°22 | 2°28 | 1°40 | 2°39 | 1°16 | 1°31 | n.a. | T 22 |
| F 23 | 18 56 7 | 12° 6'12 | 0♈49 | 24°25 | 10°51 | 5° 3 | 27°46 | 20°30 | 18°24 | 2°27 | 1°42 | 2°37 | 1°13 | 1°37 | n.a. | F 23 |
| S 24 | 19 0 4 | 13° 4'32 | 12°52 | 26° 7 | 12° 4 | 5°30 | 27°59 | 20°38 | 18°26 | 2°27 | 1°44 | 2°D36 | 1°10 | 1°44 | n.a. | S 24 |
| S 25 | 19 4 0 | 14° 2'55 | 25° 7 | 27°48 | 13°17 | 5°58 | 28°12 | 20°45 | 18°28 | 2°27 | 1°45 | 2°37 | 1° 7 | 1°51 | n.a. | S 25 |
| M26 | 19 7 57 | 15° 1'20 | 7♉40 | 29°27 | 14°31 | 6°25 | 28°25 | 20°52 | 18°30 | 2°26 | 1°47 | 2°38 | 1° 3 | 1°58 | n.a. | M26 |
| T 27 | 19 11 53 | 15°59'47 | 20°34 | 1♌ 6 | 15°44 | 6°51 | 28°38 | 20°59 | 18°32 | 2°26 | 1°49 | 2°39 | 1° 0 | 2° 4 | n.a. | T 27 |
| W28 | 19 15 50 | 16°58'16 | 3♊53 | 2°43 | 16°57 | 7°18 | 28°51 | 21° 6 | 18°34 | 2°26 | 1°51 | 2°R40 | 0°57 | 2°11 | n.a. | W28 |
| T 29 | 19 19 46 | 17°56'48 | 17°39 | 4°20 | 18°10 | 7°44 | 29° 4 | 21°14 | 18°37 | 2°26 | 1°53 | 2°39 | 0°54 | 2°18 | n.a. | T 29 |
| F 30 | 19 23 43 | 18°55'23 | 1♋52 | 5°55 | 19°23 | 8° 9 | 29°16 | 21°21 | 18°39 | 2°26 | 1°55 | 2°36 | 0°51 | 2°25 | n.a. | F 30 |
| S 31 | 19 27 40 | 19♋53'59 | 16♋27 | 7♌29 | 20♌36 | 8♈34 | 29♊29 | 21♊28 | 18♍41 | 2♏26 | 1♍56 | 2♐31 | 0♐48 | 2♓31 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 23n36 | 21n46 | 0s34 | 23n52 | 1n 9 | 24n44 | 1n34 | 4s49 | 2s25 | 24n14 | 0n30 | 23n17 | 0s 3 | 5n33 | 0n43 | 10s59 | 1n46 | 27n 2 | 17n 2 | 21s16 | 21s 3 | 7s11 | | | n.a. |
| F 2 | 23 40 | 21 57 | 1 49 | 24 15 | 1 16 | 24 36 | 1 34 | 4 36 | 2 26 | 24 14 | 0 30 | 23 18 | 0 3 | 5 33 | 0 43 | 10 59 | 1 46 | 27 2 | 17 1 | 21 16 | 21 3 | 7 9 | | | n.a. |
| S 3 | 23 43 | 20 43 | 2 58 | 24 35 | 1 23 | 24 27 | 1 34 | 4 22 | 2 26 | 24 15 | 0 30 | 23 19 | 0 3 | 5 32 | 0 43 | 10 59 | 1 46 | 27 1 | 17 1 | 21 15 | 21 2 | 7 7 | | | n.a. |
| S 4 | 23 46 | 18 9 | 3 57 | 24 52 | 1 28 | 24 17 | 1 34 | 4 9 | 2 26 | 24 16 | 0 30 | 23 20 | 0 3 | 5 32 | 0 43 | 10 59 | 1 46 | 27 0 | 17 0 | 21 15 | 21 1 | 7 4 | | | n.a. |
| M 5 | 23 49 | 14 25 | 4 41 | 25 7 | 1 33 | 24 7 | 1 34 | 3 56 | 2 27 | 24 17 | 0 30 | 23 20 | 0 3 | 5 31 | 0 43 | 10 58 | 1 46 | 26 59 | 16 59 | 21 14 | 21 1 | 7 2 | | | n.a. |
| T 6 | 23 51 | 9 49 | 5 8 | 25 20 | 1 38 | 23 55 | 1 33 | 3 43 | 2 27 | 24 17 | 0 30 | 23 21 | 0 3 | 5 31 | 0 43 | 10 58 | 1 46 | 26 58 | 16 59 | 21 14 | 21 0 | 6 59 | | | n.a. |
| W 7 | 23 52 | 4 42 | 5 14 | 25 29 | 1 41 | 23 44 | 1 33 | 3 30 | 2 27 | 24 18 | 0 30 | 23 22 | 0 3 | 5 30 | 0 43 | 10 58 | 1 46 | 26 57 | 16 58 | 21 13 | 20 59 | 6 57 | | | n.a. |
| T 8 | 23 54 | 0s36 | 5 1 | 25 36 | 1 44 | 23 31 | 1 32 | 3 17 | 2 28 | 24 19 | 0 31 | 23 23 | 0 3 | 5 30 | 0 43 | 10 58 | 1 46 | 26 56 | 16 58 | 21 13 | 20 59 | 6 55 | | | n.a. |
| F 9 | 23 55 | 5 49 | 4 29 | 25 41 | 1 46 | 23 18 | 1 32 | 3 4 | 2 28 | 24 19 | 0 31 | 23 23 | 0 3 | 5 29 | 0 43 | 10 57 | 1 46 | 26 55 | 16 57 | 21 13 | 20 58 | 6 52 | | | n.a. |
| S 10 | 23 55 | 10 39 | 3 43 | 25 43 | 1 47 | 23 4 | 1 31 | 2 51 | 2 28 | 24 20 | 0 31 | 23 24 | 0 3 | 5 29 | 0 43 | 10 57 | 1 46 | 26 54 | 16 57 | 21 13 | 20 57 | 6 50 | | | n.a. |
| S 11 | 23 55 | 14 52 | 2 44 | 25 42 | 1 48 | 22 49 | 1 31 | 2 38 | 2 29 | 24 21 | 0 31 | 23 25 | 0 2 | 5 28 | 0 43 | 10 57 | 1 46 | 26 53 | 16 56 | 21 13 | 20 57 | 6 47 | | | n.a. |
| M12 | 23 55 | 18 15 | 1 38 | 25 39 | 1 48 | 22 34 | 1 30 | 2 26 | 2 29 | 24 21 | 0 31 | 23 26 | 0 2 | 5 27 | 0 43 | 10 57 | 1 46 | 26 52 | 16 56 | 21 14 | 20 56 | 6 45 | | | n.a. |
| T 13 | 23 54 | 20 37 | 0 27 | 25 34 | 1 48 | 22 18 | 1 29 | 2 13 | 2 29 | 24 22 | 0 31 | 23 26 | 0 2 | 5 27 | 0 42 | 10 57 | 1 45 | 26 51 | 16 55 | 21 14 | 20 56 | 6 43 | | | n.a. |
| W14 | 23 53 | 21 52 | 0n44 | 25 26 | 1 47 | 22 1 | 1 28 | 2 1 | 2 29 | 24 22 | 0 31 | 23 27 | 0 2 | 5 26 | 0 42 | 10 57 | 1 45 | 26 50 | 16 55 | 21 14 | 20 55 | 6 40 | | | n.a. |
| T 15 | 23 51 | 21 56 | 1 51 | 25 17 | 1 46 | 21 44 | 1 27 | 1 49 | 2 29 | 24 23 | 0 31 | 23 28 | 0 2 | 5 25 | 0 42 | 10 56 | 1 45 | 26 49 | 16 54 | 21 14 | 20 54 | 6 38 | | | n.a. |
| F 16 | 23 49 | 20 54 | 2 52 | 25 5 | 1 44 | 21 27 | 1 26 | 1 37 | 2 30 | 24 23 | 0 31 | 23 28 | 0 2 | 5 25 | 0 42 | 10 56 | 1 45 | 26 48 | 16 54 | 21 13 | 20 54 | 6 35 | | | n.a. |
| S 17 | 23 46 | 18 52 | 3 43 | 24 52 | 1 41 | 21 8 | 1 25 | 1 25 | 2 30 | 24 24 | 0 32 | 23 29 | 0 2 | 5 24 | 0 42 | 10 56 | 1 45 | 26 47 | 16 54 | 21 12 | 20 53 | 6 33 | | | n.a. |
| S 18 | 23 43 | 16 1 | 4 24 | 24 37 | 1 38 | 20 49 | 1 24 | 1 13 | 2 30 | 24 24 | 0 32 | 23 30 | 0 2 | 5 23 | 0 42 | 10 56 | 1 45 | 26 46 | 16 53 | 21 11 | 20 52 | 6 31 | | | n.a. |
| M19 | 23 40 | 12 31 | 4 52 | 24 20 | 1 35 | 20 30 | 1 23 | 1 1 | 2 30 | 24 25 | 0 32 | 23 30 | 0 2 | 5 23 | 0 42 | 10 56 | 1 45 | 26 45 | 16 53 | 21 10 | 20 52 | 6 28 | | | n.a. |
| T 20 | 23 36 | 8 34 | 5 8 | 24 1 | 1 31 | 20 9 | 1 21 | 0 50 | 2 30 | 24 25 | 0 32 | 23 31 | 0 2 | 5 22 | 0 42 | 10 56 | 1 45 | 26 44 | 16 52 | 21 8 | 20 51 | 6 26 | | | n.a. |
| W21 | 23 31 | 4 20 | 5 9 | 23 41 | 1 27 | 19 49 | 1 20 | 0 38 | 2 31 | 24 26 | 0 32 | 23 32 | 0 2 | 5 21 | 0 42 | 10 56 | 1 45 | 26 43 | 16 52 | 21 7 | 20 50 | 6 23 | | | n.a. |
| T 22 | 23 27 | 0n 5 | 4 58 | 23 20 | 1 23 | 19 27 | 1 19 | 0 27 | 2 31 | 24 26 | 0 32 | 23 32 | 0 1 | 5 20 | 0 42 | 10 56 | 1 45 | 26 42 | 16 51 | 21 7 | 20 50 | 6 21 | | | n.a. |
| F 23 | 23 21 | 4 30 | 4 34 | 22 57 | 1 18 | 19 6 | 1 17 | 0 15 | 2 31 | 24 26 | 0 32 | 23 33 | 0 1 | 5 19 | 0 42 | 10 56 | 1 45 | 26 40 | 16 51 | 21 6 | 20 49 | 6 19 | | | n.a. |
| S 24 | 23 16 | 8 48 | 3 57 | 22 33 | 1 13 | 18 43 | 1 15 | 0 4 | 2 31 | 24 27 | 0 32 | 23 34 | 0 1 | 5 18 | 0 42 | 10 56 | 1 45 | 26 39 | 16 50 | 21 6 | 20 48 | 6 16 | | | n.a. |
| S 25 | 23 10 | 12 50 | 3 9 | 22 7 | 1 8 | 18 20 | 1 14 | 0n 7 | 2 31 | 24 27 | 0 32 | 23 34 | 0 1 | 5 18 | 0 42 | 10 56 | 1 45 | 26 38 | 16 50 | 21 6 | 20 48 | 6 14 | | | n.a. |
| M26 | 23 3 | 16 24 | 2 11 | 21 41 | 1 2 | 17 57 | 1 12 | 0 17 | 2 31 | 24 27 | 0 33 | 23 35 | 0 1 | 5 17 | 0 42 | 10 56 | 1 45 | 26 37 | 16 50 | 21 6 | 20 47 | 6 12 | | | n.a. |
| T 27 | 22 56 | 19 18 | 1 5 | 21 14 | 0 56 | 17 33 | 1 10 | 0 28 | 2 31 | 24 27 | 0 33 | 23 35 | 0 1 | 5 16 | 0 42 | 10 56 | 1 45 | 26 36 | 16 49 | 21 7 | 20 46 | 6 9 | | | n.a. |
| W28 | 22 49 | 21 15 | 0s 7 | 20 45 | 0 50 | 17 9 | 1 8 | 0 39 | 2 31 | 24 28 | 0 33 | 23 36 | 0 1 | 5 15 | 0 42 | 10 56 | 1 45 | 26 35 | 16 49 | 21 7 | 20 46 | 6 7 | | | n.a. |
| T 29 | 22 41 | 22 0 | 1 20 | 20 16 | 0 44 | 16 44 | 1 6 | 0 49 | 2 31 | 24 28 | 0 33 | 23 36 | 0 1 | 5 14 | 0 42 | 10 56 | 1 44 | 26 34 | 16 48 | 21 6 | 20 45 | 6 4 | | | n.a. |
| F 30 | 22 33 | 21 23 | 2 31 | 19 46 | 0 37 | 16 19 | 1 4 | 0 59 | 2 31 | 24 28 | 0 33 | 23 37 | 0 1 | 5 13 | 0 42 | 10 56 | 1 44 | 26 33 | 16 48 | 21 6 | 20 44 | 6 2 | | | n.a. |
| S 31 | 22n25 | 19n21 | 3s34 | 19n15 | 0n30 | 15n54 | 1n 2 | 1n 9 | 2s31 | 24n28 | 0n33 | 23n38 | 0s 1 | 5n12 | 0n42 | 10s56 | 1n44 | 26n32 | 16n48 | 21s 5 | 20s44 | 6s 0 | | | n.a. |

Julian Day Number = 1001331.5, Delta T = 12h50m50s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'18, Lahiri = -31°08'18 Julian Calendar 1 July 1972 BCE == Greg. Calendar 14 June 1972 BCE

The year -1971 astronomical counting style corresponds to year 1972 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## AUGUST 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 31 36 | 20♋52'37 | 1♌19 | 9♌ 2 | 21♌49 | 8♈59 | 29♊42 | 21♊35 | 18♍44 | 2°D26 | 1♍58 | 2°R24 | 0♐44 | 2♓38 | n.a. | S 1 |
| M 2 | 19 35 33 | 21°51'18 | 16°19 | 10°34 | 23° 2 | 9°23 | 29°55 | 21°42 | 18°46 | 2♏26 | 2° 0 | 2♐16 | 0°41 | 2°45 | n.a. | M 2 |
| T 3 | 19 39 29 | 22°50'00 | 1♍17 | 12° 5 | 24°15 | 9°47 | 0♋ 7 | 21°49 | 18°48 | 2°26 | 2° 2 | 2° 9 | 0°38 | 2°51 | n.a. | T 3 |
| W 4 | 19 43 26 | 23°48'45 | 16° 6 | 13°35 | 25°28 | 10°10 | 0°20 | 21°56 | 18°51 | 2°26 | 2° 4 | 2° 3 | 0°35 | 2°58 | n.a. | W 4 |
| T 5 | 19 47 22 | 24°47'31 | 0♎37 | 15° 3 | 26°41 | 10°33 | 0°32 | 22° 2 | 18°54 | 2°26 | 2° 6 | 1°58 | 0°32 | 3° 5 | n.a. | T 5 |
| F 6 | 19 51 19 | 25°46'19 | 14°49 | 16°31 | 27°54 | 10°55 | 0°45 | 22° 9 | 18°56 | 2°26 | 2° 8 | 1°56 | 0°28 | 3°12 | n.a. | F 6 |
| S 7 | 19 55 15 | 26°45'09 | 28°38 | 17°57 | 29° 7 | 11°17 | 0°57 | 22°16 | 18°59 | 2°26 | 2°10 | 1°D55 | 0°25 | 3°18 | n.a. | S 7 |
| S 8 | 19 59 12 | 27°44'01 | 12♏ 6 | 19°23 | 0♍20 | 11°39 | 1°10 | 22°23 | 19° 1 | 2°27 | 2°13 | 1°56 | 0°22 | 3°25 | n.a. | S 8 |
| M 9 | 20 3 8 | 28°42'55 | 25°15 | 20°47 | 1°33 | 12° 0 | 1°22 | 22°30 | 19° 4 | 2°27 | 2°15 | 1°R57 | 0°19 | 3°32 | n.a. | M 9 |
| T 10 | 20 7 5 | 29°41'51 | 8♐ 8 | 22°10 | 2°46 | 12°20 | 1°35 | 22°36 | 19° 7 | 2°27 | 2°17 | 1°57 | 0°16 | 3°39 | n.a. | T 10 |
| W11 | 20 11 2 | 0♑40'48 | 20°46 | 23°31 | 3°59 | 12°40 | 1°47 | 22°43 | 19°10 | 2°27 | 2°19 | 1°55 | 0°13 | 3°45 | n.a. | W11 |
| T 12 | 20 14 58 | 1°39'48 | 3♒14 | 24°52 | 5°11 | 12°59 | 1°59 | 22°49 | 19°12 | 2°28 | 2°21 | 1°51 | 0° 9 | 3°52 | n.a. | T 12 |
| F 13 | 20 18 55 | 2°38'50 | 15°32 | 26°11 | 6°24 | 13°18 | 2°11 | 22°56 | 19°15 | 2°28 | 2°23 | 1°44 | 0° 6 | 3°59 | n.a. | F 13 |
| S 14 | 20 22 51 | 3°37'54 | 27°43 | 27°29 | 7°37 | 13°36 | 2°24 | 23° 2 | 19°18 | 2°29 | 2°25 | 1°34 | 0° 3 | 4° 5 | n.a. | S 14 |
| S 15 | 20 26 48 | 4°37'00 | 9♓47 | 28°45 | 8°50 | 13°54 | 2°36 | 23° 9 | 19°21 | 2°29 | 2°28 | 1°23 | 29♏59 | 4°12 | n.a. | S 15 |
| M16 | 20 30 44 | 5°36'08 | 21°45 | 0♍ 0 | 10° 2 | 14°11 | 2°48 | 23°15 | 19°24 | 2°29 | 2°30 | 1°11 | 29°57 | 4°19 | n.a. | M16 |
| T 17 | 20 34 41 | 6°35'19 | 3♈39 | 1°14 | 11°15 | 14°28 | 3° 0 | 23°21 | 19°27 | 2°30 | 2°32 | 0°59 | 29°54 | 4°26 | n.a. | T 17 |
| W18 | 20 38 37 | 7°34'32 | 15°30 | 2°25 | 12°28 | 14°44 | 3°12 | 23°28 | 19°30 | 2°31 | 2°34 | 0°47 | 29°50 | 4°32 | n.a. | W18 |
| T 19 | 20 42 34 | 8°33'47 | 27°22 | 3°35 | 13°40 | 15° 0 | 3°24 | 23°34 | 19°33 | 2°31 | 2°37 | 0°38 | 29°47 | 4°39 | n.a. | T 19 |
| F 20 | 20 46 30 | 9°33'05 | 9♈16 | 4°43 | 14°53 | 15°14 | 3°35 | 23°40 | 19°36 | 2°32 | 2°39 | 0°31 | 29°44 | 4°46 | n.a. | F 20 |
| S 21 | 20 50 27 | 10°32'25 | 21°16 | 5°49 | 16° 5 | 15°29 | 3°47 | 23°46 | 19°39 | 2°32 | 2°41 | 0°27 | 29°41 | 4°53 | n.a. | S 21 |
| S 22 | 20 54 24 | 11°31'47 | 3♉28 | 6°53 | 17°18 | 15°42 | 3°59 | 23°52 | 19°42 | 2°33 | 2°43 | 0°25 | 29°38 | 4°59 | n.a. | S 22 |
| M23 | 20 58 20 | 12°31'12 | 15°56 | 7°54 | 18°30 | 15°55 | 4°11 | 23°58 | 19°45 | 2°34 | 2°46 | 0°D25 | 29°34 | 5° 6 | n.a. | M23 |
| T 24 | 21 2 17 | 13°30'40 | 28°45 | 8°53 | 19°42 | 16° 7 | 4°22 | 24° 4 | 19°49 | 2°34 | 2°48 | 0°R25 | 29°31 | 5°13 | n.a. | T 24 |
| W25 | 21 6 13 | 14°30'10 | 11♊59 | 9°49 | 20°55 | 16°19 | 4°34 | 24°10 | 19°52 | 2°35 | 2°50 | 0°25 | 29°28 | 5°19 | n.a. | W25 |
| T 26 | 21 10 10 | 15°29'43 | 25°42 | 10°42 | 22° 7 | 16°29 | 4°45 | 24°15 | 19°55 | 2°36 | 2°53 | 0°23 | 29°25 | 5°26 | n.a. | T 26 |
| F 27 | 21 14 6 | 16°29'18 | 9♋54 | 11°31 | 23°19 | 16°40 | 4°56 | 24°21 | 19°58 | 2°37 | 2°55 | 0°18 | 29°22 | 5°33 | n.a. | F 27 |
| S 28 | 21 18 3 | 17°28'56 | 24°35 | 12°17 | 24°32 | 16°49 | 5° 8 | 24°27 | 20° 2 | 2°38 | 2°57 | 0°11 | 29°19 | 5°40 | n.a. | S 28 |
| S 29 | 21 21 59 | 18°28'36 | 9♌38 | 12°59 | 25°44 | 16°58 | 5°19 | 24°32 | 20° 5 | 2°39 | 3° 0 | 0° 1 | 29°15 | 5°46 | n.a. | S 29 |
| M30 | 21 25 56 | 19°28'18 | 24°53 | 13°36 | 26°56 | 17° 5 | 5°30 | 24°38 | 20° 8 | 2°40 | 3° 2 | 29♏50 | 29°12 | 5°53 | n.a. | M30 |
| T 31 | 21 29 52 | 20♌28'02 | 10♍11 | 14♍ 9 | 28♍ 8 | 17♈12 | 5♋41 | 24♊43 | 20♍12 | 2♏41 | 3♍ 4 | 29♏39 | 29♏ 9 | 6♓ 0 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n16 | 16n 0 | 4s23 | 18n44 | 0n23 | 15n28 | 1n 0 | 1n19 | 2s31 | 24n29 | 0n33 | 23n38 | 0s 1 | 5n11 | 0n42 | 10s56 | 1n44 | 26n31 | 16n47 | 21s 4 | 20s43 | 5s57 | | n.a. |
| M 2 | 22 6 | 11 35 | 4 55 | 18 12 | 0 16 | 15 1 | 0 58 | 1 29 | 2 31 | 24 29 | 0 33 | 23 39 | 0 1 | 5 10 | 0 42 | 10 56 | 1 44 | 26 30 | 16 47 | 21 2 | 20 42 | 5 55 | | n.a. |
| T 3 | 21 57 | 6 28 | 5 7 | 17 40 | 0 9 | 14 34 | 0 56 | 1 38 | 2 31 | 24 29 | 0 34 | 23 39 | 0 0 | 5 9 | 0 42 | 10 56 | 1 44 | 26 29 | 16 47 | 21 0 | 20 42 | 5 52 | | n.a. |
| W 4 | 21 46 | 1 2 | 4 58 | 17 7 | 0 2 | 14 7 | 0 53 | 1 47 | 2 31 | 24 29 | 0 34 | 23 40 | 0 0 | 5 8 | 0 42 | 10 56 | 1 44 | 26 28 | 16 46 | 20 59 | 20 41 | 5 50 | | n.a. |
| T 5 | 21 36 | 4s21 | 4 29 | 16 33 | 0s 6 | 13 40 | 0 51 | 1 57 | 2 31 | 24 29 | 0 34 | 23 40 | 0 0 | 5 7 | 0 42 | 10 56 | 1 44 | 26 26 | 16 46 | 20 58 | 20 40 | 5 48 | | n.a. |
| F 6 | 21 25 | 9 24 | 3 45 | 15 59 | 0 13 | 13 12 | 0 48 | 2 6 | 2 31 | 24 29 | 0 34 | 23 41 | 0 0 | 5 6 | 0 42 | 10 56 | 1 44 | 26 25 | 16 45 | 20 58 | 20 40 | 5 45 | | n.a. |
| S 7 | 21 14 | 13 49 | 2 49 | 15 25 | 0 21 | 12 44 | 0 46 | 2 14 | 2 31 | 24 29 | 0 34 | 23 41 | 0 0 | 5 5 | 0 42 | 10 56 | 1 44 | 26 24 | 16 45 | 20 58 | 20 39 | 5 43 | | n.a. |
| S 8 | 21 2 | 17 25 | 1 44 | 14 51 | 0 29 | 12 15 | 0 43 | 2 23 | 2 31 | 24 29 | 0 34 | 23 42 | 0n 0 | 5 4 | 0 42 | 10 57 | 1 44 | 26 23 | 16 45 | 20 58 | 20 38 | 5 40 | | n.a. |
| M 9 | 20 50 | 20 2 | 0 36 | 14 17 | 0 37 | 11 46 | 0 41 | 2 31 | 2 31 | 24 29 | 0 34 | 23 42 | 0 0 | 5 3 | 0 41 | 10 57 | 1 44 | 26 22 | 16 45 | 20 58 | 20 37 | 5 38 | | n.a. |
| T 10 | 20 37 | 21 34 | 0n33 | 13 42 | 0 45 | 11 17 | 0 38 | 2 40 | 2 31 | 24 29 | 0 35 | 23 43 | 0 0 | 5 2 | 0 41 | 10 57 | 1 44 | 26 21 | 16 44 | 20 58 | 20 37 | 5 36 | | n.a. |
| W11 | 20 24 | 21 57 | 1 39 | 13 7 | 0 52 | 10 48 | 0 35 | 2 48 | 2 31 | 24 29 | 0 35 | 23 43 | 0 0 | 5 0 | 0 41 | 10 57 | 1 44 | 26 20 | 16 44 | 20 58 | 20 36 | 5 33 | | n.a. |
| T 12 | 20 11 | 21 14 | 2 39 | 12 33 | 1 0 | 10 18 | 0 33 | 2 55 | 2 31 | 24 29 | 0 35 | 23 44 | 0 0 | 4 59 | 0 41 | 10 57 | 1 44 | 26 19 | 16 44 | 20 57 | 20 35 | 5 31 | | n.a. |
| F 13 | 19 58 | 19 31 | 3 31 | 11 58 | 1 8 | 9 48 | 0 30 | 3 3 | 2 30 | 24 29 | 0 35 | 23 44 | 0 0 | 4 58 | 0 41 | 10 57 | 1 43 | 26 18 | 16 43 | 20 55 | 20 35 | 5 28 | | n.a. |
| S 14 | 19 44 | 16 55 | 4 12 | 11 24 | 1 16 | 9 18 | 0 27 | 3 11 | 2 30 | 24 29 | 0 35 | 23 45 | 0 1 | 4 57 | 0 41 | 10 58 | 1 43 | 26 17 | 16 43 | 20 53 | 20 34 | 5 26 | | n.a. |
| S 15 | 19 30 | 13 38 | 4 41 | 10 49 | 1 24 | 8 47 | 0 24 | 3 18 | 2 30 | 24 29 | 0 35 | 23 45 | 0 1 | 4 56 | 0 41 | 10 58 | 1 43 | 26 16 | 16 43 | 20 51 | 20 33 | 5 24 | | n.a. |
| M16 | 19 15 | 9 50 | 4 58 | 10 15 | 1 32 | 8 17 | 0 21 | 3 25 | 2 30 | 24 29 | 0 35 | 23 45 | 0 1 | 4 55 | 0 41 | 10 58 | 1 43 | 26 14 | 16 43 | 20 48 | 20 33 | 5 21 | | n.a. |
| T 17 | 19 0 | 5 41 | 5 2 | 9 42 | 1 40 | 7 46 | 0 18 | 3 32 | 2 29 | 24 29 | 0 36 | 23 46 | 0 1 | 4 53 | 0 41 | 10 58 | 1 43 | 26 13 | 16 42 | 20 46 | 20 32 | 5 19 | | n.a. |
| W18 | 18 45 | 1 21 | 4 52 | 9 8 | 1 48 | 7 15 | 0 15 | 3 38 | 2 29 | 24 29 | 0 36 | 23 46 | 0 1 | 4 52 | 0 41 | 10 59 | 1 43 | 26 12 | 16 42 | 20 44 | 20 31 | 5 16 | | n.a. |
| T 19 | 18 29 | 3n 3 | 4 30 | 8 36 | 1 56 | 6 44 | 0 12 | 3 44 | 2 29 | 24 28 | 0 36 | 23 47 | 0 1 | 4 51 | 0 41 | 10 59 | 1 43 | 26 11 | 16 42 | 20 42 | 20 31 | 5 14 | | n.a. |
| F 20 | 18 13 | 7 21 | 3 57 | 8 4 | 2 4 | 6 12 | 0 9 | 3 51 | 2 28 | 24 28 | 0 36 | 23 47 | 0 1 | 4 50 | 0 41 | 10 59 | 1 43 | 26 10 | 16 42 | 20 40 | 20 30 | 5 12 | | n.a. |
| S 21 | 17 57 | 11 25 | 3 12 | 7 32 | 2 11 | 5 41 | 0 5 | 3 56 | 2 28 | 24 28 | 0 36 | 23 47 | 0 1 | 4 48 | 0 41 | 10 59 | 1 43 | 26 9 | 16 41 | 20 39 | 20 29 | 5 9 | | n.a. |
| S 22 | 17 40 | 15 5 | 2 18 | 7 1 | 2 18 | 5 9 | 0 2 | 4 2 | 2 28 | 24 28 | 0 36 | 23 48 | 0 1 | 4 47 | 0 41 | 11 0 | 1 43 | 26 8 | 16 41 | 20 39 | 20 29 | 5 7 | | n.a. |
| M23 | 17 23 | 18 9 | 1 16 | 6 32 | 2 26 | 4 37 | 0s 1 | 4 8 | 2 27 | 24 28 | 0 36 | 23 48 | 0 1 | 4 46 | 0 41 | 11 0 | 1 43 | 26 7 | 16 41 | 20 39 | 20 28 | 5 4 | | n.a. |
| T 24 | 17 6 | 20 26 | 0 9 | 6 3 | 2 33 | 4 5 | 0 4 | 4 13 | 2 27 | 24 27 | 0 37 | 23 49 | 0 1 | 4 44 | 0 41 | 11 0 | 1 43 | 26 6 | 16 41 | 20 39 | 20 27 | 5 2 | | n.a. |
| W25 | 16 49 | 21 40 | 1s 1 | 5 35 | 2 39 | 3 33 | 0 8 | 4 18 | 2 26 | 24 27 | 0 37 | 23 49 | 0 2 | 4 43 | 0 41 | 11 1 | 1 43 | 26 5 | 16 41 | 20 39 | 20 26 | 5 0 | | n.a. |
| T 26 | 16 31 | 21 41 | 2 10 | 5 9 | 2 46 | 3 1 | 0 11 | 4 22 | 2 26 | 24 27 | 0 37 | 23 49 | 0 2 | 4 42 | 0 41 | 11 1 | 1 43 | 26 4 | 16 40 | 20 38 | 20 26 | 4 57 | | n.a. |
| F 27 | 16 13 | 20 20 | 3 13 | 4 45 | 2 52 | 2 29 | 0 14 | 4 27 | 2 25 | 24 27 | 0 37 | 23 50 | 0 2 | 4 40 | 0 41 | 11 1 | 1 43 | 26 3 | 16 40 | 20 37 | 20 25 | 4 55 | | n.a. |
| S 28 | 15 54 | 17 37 | 4 5 | 4 22 | 2 57 | 1 57 | 0 18 | 4 31 | 2 25 | 24 26 | 0 37 | 23 50 | 0 2 | 4 39 | 0 41 | 11 2 | 1 42 | 26 2 | 16 40 | 20 36 | 20 24 | 4 52 | | n.a. |
| S 29 | 15 36 | 13 40 | 4 42 | 4 1 | 3 3 | 1 24 | 0 21 | 4 35 | 2 24 | 24 26 | 0 37 | 23 50 | 0 2 | 4 38 | 0 41 | 11 2 | 1 42 | 26 1 | 16 40 | 20 34 | 20 24 | 4 50 | | n.a. |
| M30 | 15 17 | 8 47 | 4 59 | 3 42 | 3 7 | 0 52 | 0 25 | 4 38 | 2 23 | 24 26 | 0 38 | 23 51 | 0 2 | 4 36 | 0 41 | 11 2 | 1 42 | 26 0 | 16 40 | 20 31 | 20 23 | 4 48 | | n.a. |
| T 31 | 14n57 | 3n21 | 4s56 | 3n25 | 3s11 | 0n20 | 0s28 | 4n42 | 2s23 | 24n25 | 0n38 | 23n51 | 0n 2 | 4n35 | 0n41 | 11s 3 | 1n42 | 25n59 | 16n40 | 20s29 | 20s22 | 4s45 | | n.a. |

Julian Day Number = 1001362.5, Delta T = 12h50m48s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'14, Lahiri = -31°08'13 Julian Calendar 1 Aug. 1972 BCE == Greg. Calendar 15 July 1972 BCE

The year -1971 astronomical counting style corresponds to year 1972 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## SEPTEMBER 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 33 49 | 21♌27'48 | 25♍19 | 14♍36 | 29♍20 | 17♈19 | 5♋52 | 24♊48 | 20♍15 | 2♏42 | 3♍ 7 | 29°R29 | 29♏ 6 | 6♓ 6 | n.a. | W 1 |
| T 2 | 21 37 46 | 22°27'36 | 10♎ 9 | 14°57 | 0♎32 | 17°24 | 6° 3 | 24°54 | 20°18 | 2°43 | 3° 9 | 29♏21 | 29° 3 | 6°13 | n.a. | T 2 |
| F 3 | 21 41 42 | 23°27'26 | 24°33 | 15°12 | 1°44 | 17°29 | 6°14 | 24°59 | 20°22 | 2°44 | 3°12 | 29°17 | 28°59 | 6°20 | n.a. | F 3 |
| S 4 | 21 45 39 | 24°27'18 | 8♏30 | 15°20 | 2°56 | 17°33 | 6°25 | 25° 4 | 20°25 | 2°45 | 3°14 | 29°14 | 28°56 | 6°27 | n.a. | S 4 |
| S 5 | 21 49 35 | 25°27'12 | 22° 0 | 15°R21 | 4° 8 | 17°36 | 6°35 | 25° 9 | 20°29 | 2°46 | 3°16 | 29°14 | 28°53 | 6°33 | n.a. | S 5 |
| M 6 | 21 53 32 | 26°27'08 | 5♐ 6 | 15°13 | 5°20 | 17°38 | 6°46 | 25°14 | 20°32 | 2°47 | 3°19 | 29°14 | 28°50 | 6°40 | n.a. | M 6 |
| T 7 | 21 57 28 | 27°27'05 | 17°51 | 14°57 | 6°32 | 17°40 | 6°56 | 25°19 | 20°36 | 2°48 | 3°21 | 29°13 | 28°47 | 6°47 | n.a. | T 7 |
| W 8 | 22 1 25 | 28°27'04 | 0♑19 | 14°33 | 7°44 | 17°R40 | 7° 7 | 25°24 | 20°39 | 2°49 | 3°24 | 29°10 | 28°44 | 6°54 | n.a. | W 8 |
| T 9 | 22 5 21 | 29°27'06 | 12°36 | 13°59 | 8°55 | 17°40 | 7°17 | 25°28 | 20°43 | 2°51 | 3°26 | 29° 5 | 28°40 | 7° 0 | n.a. | T 9 |
| F 10 | 22 9 18 | 0♍27'09 | 24°43 | 13°17 | 10° 7 | 17°39 | 7°27 | 25°33 | 20°46 | 2°52 | 3°29 | 28°56 | 28°37 | 7° 7 | n.a. | F 10 |
| S 11 | 22 13 14 | 1°27'14 | 6♒44 | 12°25 | 11°19 | 17°37 | 7°37 | 25°37 | 20°50 | 2°53 | 3°31 | 28°45 | 28°34 | 7°14 | n.a. | S 11 |
| S 12 | 22 17 11 | 2°27'20 | 18°40 | 11°26 | 12°30 | 17°34 | 7°48 | 25°42 | 20°54 | 2°54 | 3°33 | 28°32 | 28°31 | 7°20 | n.a. | S 12 |
| M13 | 22 21 8 | 3°27'29 | 0♓34 | 10°20 | 13°42 | 17°31 | 7°57 | 25°46 | 20°57 | 2°56 | 3°36 | 28°17 | 28°28 | 7°27 | n.a. | M13 |
| T 14 | 22 25 4 | 4°27'40 | 12°27 | 9° 8 | 14°53 | 17°26 | 8° 7 | 25°51 | 21° 1 | 2°57 | 3°38 | 28° 2 | 28°25 | 7°34 | n.a. | T 14 |
| W15 | 22 29 1 | 5°27'52 | 24°19 | 7°52 | 16° 4 | 17°21 | 8°17 | 25°55 | 21° 5 | 2°58 | 3°41 | 27°49 | 28°21 | 7°41 | n.a. | W15 |
| T 16 | 22 32 57 | 6°28'07 | 6♈13 | 6°34 | 17°16 | 17°14 | 8°27 | 25°59 | 21° 8 | 3° 0 | 3°43 | 27°37 | 28°18 | 7°47 | n.a. | T 16 |
| F 17 | 22 36 54 | 7°28'24 | 18°10 | 5°17 | 18°27 | 17° 7 | 8°36 | 26° 3 | 21°12 | 3° 1 | 3°46 | 27°29 | 28°15 | 7°54 | n.a. | F 17 |
| S 18 | 22 40 50 | 8°28'43 | 0♉14 | 4° 3 | 19°38 | 16°59 | 8°45 | 26° 7 | 21°16 | 3° 3 | 3°48 | 27°23 | 28°12 | 8° 1 | n.a. | S 18 |
| S 19 | 22 44 47 | 9°29'04 | 12°27 | 2°55 | 20°49 | 16°50 | 8°55 | 26°11 | 21°19 | 3° 4 | 3°50 | 27°20 | 28° 9 | 8° 7 | n.a. | S 19 |
| M20 | 22 48 43 | 10°29'27 | 24°53 | 1°54 | 22° 0 | 16°40 | 9° 4 | 26°14 | 21°23 | 3° 6 | 3°53 | 27°D19 | 28° 5 | 8°14 | n.a. | M20 |
| T 21 | 22 52 40 | 11°29'53 | 7♊37 | 1° 2 | 23°11 | 16°30 | 9°13 | 26°18 | 21°27 | 3° 7 | 3°55 | 27°R19 | 28° 2 | 8°21 | n.a. | T 21 |
| W22 | 22 56 36 | 12°30'21 | 20°44 | 0°21 | 24°22 | 16°18 | 9°22 | 26°22 | 21°30 | 3° 9 | 3°58 | 27°19 | 27°59 | 8°28 | n.a. | W22 |
| T 23 | 23 0 33 | 13°30'50 | 4♋18 | 29♌52 | 25°33 | 16° 6 | 9°31 | 26°25 | 21°34 | 3°11 | 4° 0 | 27°18 | 27°56 | 8°34 | n.a. | T 23 |
| F 24 | 23 4 30 | 14°31'22 | 18°20 | 29°33 | 26°44 | 15°53 | 9°40 | 26°29 | 21°38 | 3°12 | 4° 3 | 27°14 | 27°53 | 8°41 | n.a. | F 24 |
| S 25 | 23 8 26 | 15°31'56 | 2♌50 | 29°D27 | 27°54 | 15°39 | 9°48 | 26°32 | 21°42 | 3°14 | 4° 5 | 27° 7 | 27°50 | 8°48 | n.a. | S 25 |
| S 26 | 23 12 23 | 16°32'32 | 17°46 | 29°32 | 29° 5 | 15°24 | 9°57 | 26°35 | 21°45 | 3°16 | 4° 7 | 26°58 | 27°46 | 8°55 | n.a. | S 26 |
| M27 | 23 16 19 | 17°33'10 | 2♍59 | 29°47 | 0♏15 | 15° 8 | 10° 5 | 26°38 | 21°49 | 3°17 | 4°10 | 26°48 | 27°43 | 9° 1 | n.a. | M27 |
| T 28 | 23 20 16 | 18°33'49 | 18°19 | 0♍13 | 1°26 | 14°52 | 10°13 | 26°41 | 21°53 | 3°19 | 4°12 | 26°37 | 27°40 | 9° 8 | n.a. | T 28 |
| W29 | 23 24 12 | 19°34'30 | 3♎35 | 0°47 | 2°36 | 14°35 | 10°21 | 26°44 | 21°57 | 3°21 | 4°14 | 26°28 | 27°37 | 9°15 | n.a. | W29 |
| T 30 | 23 28 9 | 20♍35'13 | 18♎36 | 1♍30 | 3♏46 | 14♈17 | 10♋29 | 26♊47 | 22♍ 0 | 3♏23 | 4♍17 | 26♏20 | 27♏34 | 9♓21 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14n38 | 2s14 | 4s31 | 3n12 | 3s15 | 0s13 | 0s31 | 4n45 | 2s22 | 24n25 | 0n38 | 23n51 | 0n 2 | 4n34 | 0n41 | 11s 3 | 1n42 | 25n57 | 16n40 | 20s27 | 20s22 | 4s43 | | n.a. |
| T 2 | 14 18 | 7 35 | 3 48 | 3 1 | 3 17 | 0 45 | 0 35 | 4 48 | 2 21 | 24 25 | 0 38 | 23 52 | 0 2 | 4 32 | 0 41 | 11 4 | 1 42 | 25 56 | 16 39 | 20 25 | 20 21 | 4 40 | | n.a. |
| F 3 | 13 58 | 12 22 | 2 52 | 2 54 | 3 19 | 1 17 | 0 38 | 4 50 | 2 21 | 24 24 | 0 38 | 23 52 | 0 2 | 4 31 | 0 41 | 11 4 | 1 42 | 25 55 | 16 39 | 20 24 | 20 20 | 4 38 | | n.a. |
| S 4 | 13 38 | 16 18 | 1 47 | 2 50 | 3 20 | 1 50 | 0 42 | 4 53 | 2 20 | 24 24 | 0 39 | 23 52 | 0 3 | 4 29 | 0 41 | 11 4 | 1 42 | 25 54 | 16 39 | 20 23 | 20 19 | 4 36 | | n.a. |
| S 5 | 13 18 | 19 15 | 0 38 | 2 50 | 3 19 | 2 22 | 0 45 | 4 55 | 2 19 | 24 24 | 0 39 | 23 52 | 0 3 | 4 28 | 0 41 | 11 5 | 1 42 | 25 53 | 16 39 | 20 23 | 20 19 | 4 33 | | n.a. |
| M 6 | 12 57 | 21 4 | 0n31 | 2 55 | 3 17 | 2 54 | 0 49 | 4 56 | 2 18 | 24 23 | 0 39 | 23 53 | 0 3 | 4 27 | 0 41 | 11 5 | 1 42 | 25 52 | 16 39 | 20 23 | 20 18 | 4 31 | | n.a. |
| T 7 | 12 36 | 21 45 | 1 37 | 3 4 | 3 14 | 3 27 | 0 52 | 4 58 | 2 17 | 24 23 | 0 39 | 23 53 | 0 3 | 4 25 | 0 41 | 11 6 | 1 42 | 25 51 | 16 39 | 20 23 | 20 17 | 4 29 | | n.a. |
| W 8 | 12 15 | 21 19 | 2 36 | 3 18 | 3 9 | 3 59 | 0 56 | 4 59 | 2 16 | 24 23 | 0 39 | 23 53 | 0 3 | 4 24 | 0 41 | 11 6 | 1 42 | 25 50 | 16 39 | 20 23 | 20 17 | 4 26 | | n.a. |
| T 9 | 11 54 | 19 52 | 3 27 | 3 37 | 3 3 | 4 31 | 0 59 | 5 0 | 2 15 | 24 22 | 0 39 | 23 53 | 0 3 | 4 22 | 0 41 | 11 7 | 1 42 | 25 49 | 16 39 | 20 21 | 20 16 | 4 24 | | n.a. |
| F 10 | 11 32 | 17 32 | 4 8 | 4 1 | 2 54 | 5 3 | 1 3 | 5 0 | 2 14 | 24 22 | 0 40 | 23 54 | 0 3 | 4 21 | 0 41 | 11 7 | 1 42 | 25 48 | 16 39 | 20 19 | 20 15 | 4 21 | | n.a. |
| S 11 | 11 10 | 14 29 | 4 38 | 4 31 | 2 44 | 5 35 | 1 6 | 5 1 | 2 13 | 24 21 | 0 40 | 23 54 | 0 3 | 4 19 | 0 41 | 11 8 | 1 42 | 25 48 | 16 39 | 20 17 | 20 14 | 4 19 | | n.a. |
| S 12 | 10 48 | 10 52 | 4 55 | 5 5 | 2 32 | 6 6 | 1 10 | 5 1 | 2 12 | 24 21 | 0 40 | 23 54 | 0 3 | 4 18 | 0 41 | 11 8 | 1 42 | 25 47 | 16 39 | 20 14 | 20 14 | 4 17 | | n.a. |
| M13 | 10 26 | 6 50 | 4 59 | 5 44 | 2 17 | 6 38 | 1 13 | 5 0 | 2 11 | 24 21 | 0 40 | 23 54 | 0 3 | 4 17 | 0 41 | 11 9 | 1 42 | 25 46 | 16 39 | 20 11 | 20 13 | 4 14 | | n.a. |
| T 14 | 10 4 | 2 34 | 4 50 | 6 26 | 2 1 | 7 9 | 1 17 | 5 0 | 2 9 | 24 20 | 0 40 | 23 55 | 0 4 | 4 15 | 0 41 | 11 9 | 1 41 | 25 45 | 16 39 | 20 7 | 20 12 | 4 12 | | n.a. |
| W15 | 9 42 | 1n48 | 4 29 | 7 11 | 1 44 | 7 41 | 1 20 | 4 59 | 2 8 | 24 20 | 0 41 | 23 55 | 0 4 | 4 14 | 0 41 | 11 10 | 1 41 | 25 44 | 16 39 | 20 4 | 20 12 | 4 9 | | n.a. |
| T 16 | 9 19 | 6 6 | 3 55 | 7 58 | 1 25 | 8 12 | 1 24 | 4 57 | 2 7 | 24 19 | 0 41 | 23 55 | 0 4 | 4 12 | 0 41 | 11 10 | 1 41 | 25 43 | 16 39 | 20 1 | 20 11 | 4 7 | | n.a. |
| F 17 | 8 56 | 10 12 | 3 11 | 8 45 | 1 5 | 8 43 | 1 27 | 4 56 | 2 5 | 24 19 | 0 41 | 23 55 | 0 4 | 4 11 | 0 41 | 11 11 | 1 41 | 25 42 | 16 39 | 19 59 | 20 10 | 4 5 | | n.a. |
| S 18 | 8 33 | 13 56 | 2 18 | 9 32 | 0 44 | 9 13 | 1 31 | 4 54 | 2 4 | 24 18 | 0 41 | 23 56 | 0 4 | 4 9 | 0 41 | 11 12 | 1 41 | 25 41 | 16 39 | 19 58 | 20 9 | 4 2 | | n.a. |
| S 19 | 8 10 | 17 7 | 1 18 | 10 16 | 0 24 | 9 44 | 1 34 | 4 52 | 2 2 | 24 18 | 0 41 | 23 56 | 0 4 | 4 8 | 0 41 | 11 12 | 1 41 | 25 40 | 16 39 | 19 57 | 20 9 | 4 0 | | n.a. |
| M20 | 7 47 | 19 35 | 0 13 | 10 57 | 0 4 | 10 14 | 1 37 | 4 50 | 2 1 | 24 18 | 0 42 | 23 56 | 0 4 | 4 6 | 0 41 | 11 13 | 1 41 | 25 39 | 16 39 | 19 57 | 20 8 | 3 58 | | n.a. |
| T 21 | 7 24 | 21 8 | 0s54 | 11 34 | 0n16 | 10 44 | 1 41 | 4 47 | 1 59 | 24 17 | 0 42 | 23 56 | 0 4 | 4 5 | 0 41 | 11 13 | 1 41 | 25 38 | 16 39 | 19 57 | 20 7 | 3 55 | | n.a. |
| W22 | 7 0 | 21 35 | 2 1 | 12 6 | 0 34 | 11 14 | 1 44 | 4 44 | 1 57 | 24 17 | 0 42 | 23 56 | 0 4 | 4 3 | 0 41 | 11 14 | 1 41 | 25 37 | 16 39 | 19 57 | 20 6 | 3 53 | | n.a. |
| T 23 | 6 36 | 20 48 | 3 3 | 12 33 | 0 51 | 11 44 | 1 47 | 4 41 | 1 56 | 24 16 | 0 42 | 23 57 | 0 4 | 4 2 | 0 41 | 11 14 | 1 41 | 25 37 | 16 39 | 19 57 | 20 6 | 3 50 | | n.a. |
| F 24 | 6 13 | 18 45 | 3 56 | 12 54 | 1 7 | 12 13 | 1 50 | 4 37 | 1 54 | 24 16 | 0 42 | 23 57 | 0 5 | 4 0 | 0 41 | 11 15 | 1 41 | 25 36 | 16 39 | 19 56 | 20 5 | 3 48 | | n.a. |
| S 25 | 5 49 | 15 27 | 4 36 | 13 9 | 1 20 | 12 42 | 1 53 | 4 34 | 1 52 | 24 15 | 0 43 | 23 57 | 0 5 | 3 59 | 0 41 | 11 16 | 1 41 | 25 35 | 16 39 | 19 54 | 20 4 | 3 46 | | n.a. |
| S 26 | 5 25 | 11 5 | 4 58 | 13 18 | 1 32 | 13 11 | 1 57 | 4 30 | 1 50 | 24 15 | 0 43 | 23 57 | 0 5 | 3 57 | 0 41 | 11 16 | 1 41 | 25 34 | 16 39 | 19 52 | 20 4 | 3 43 | | n.a. |
| M27 | 5 1 | 5 57 | 5 0 | 13 22 | 1 43 | 13 39 | 2 0 | 4 25 | 1 48 | 24 15 | 0 43 | 23 57 | 0 5 | 3 56 | 0 41 | 11 17 | 1 41 | 25 33 | 16 40 | 19 50 | 20 3 | 3 41 | | n.a. |
| T 28 | 4 37 | 0 25 | 4 41 | 13 21 | 1 52 | 14 7 | 2 3 | 4 21 | 1 46 | 24 14 | 0 43 | 23 58 | 0 5 | 3 54 | 0 40 | 11 18 | 1 41 | 25 32 | 16 40 | 19 47 | 20 2 | 3 38 | | n.a. |
| W29 | 4 12 | 5s 8 | 4 2 | 13 16 | 1 59 | 14 35 | 2 6 | 4 16 | 1 44 | 24 14 | 0 43 | 23 58 | 0 5 | 3 53 | 0 40 | 11 18 | 1 41 | 25 32 | 16 40 | 19 45 | 20 1 | 3 36 | | n.a. |
| T 30 | 3n48 | 10s17 | 3s 6 | 13n 6 | 2n 5 | 15s 2 | 2s 8 | 4n11 | 1s42 | 24n13 | 0n44 | 23n58 | 0n 5 | 3n51 | 0n40 | 11s19 | 1n41 | 25n31 | 16n40 | 19s43 | 20s 1 | 3s34 | | n.a. |

Julian Day Number = 1001393.5, Delta T = 12h50m46s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'10, Lahiri = -31°08'09 Julian Calendar 1 Sept. 1972 BCE == Greg. Calendar 15 Aug. 1972 BCE


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## OCTOBER 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 32 5 | 21♍35'57 | 3♏13 | 2♍20 | 4♏57 | 13°R58 | 10♋37 | 26♊49 | 22♍ 4 | 3♏24 | 4♍19 | 26°R16 | 27♏31 | 9♓28 | n.a. | F 1 |
| S 2 | 23 36 2 | 22°36'42 | 17°21 | 3°16 | 6° 7 | 13♈39 | 10°45 | 26°52 | 22° 8 | 3°26 | 4°21 | 26♏14 | 27°27 | 9°35 | n.a. | S 2 |
| S 3 | 23 39 59 | 23°37'29 | 1♐ 1 | 4°18 | 7°17 | 13°20 | 10°52 | 26°54 | 22°12 | 3°28 | 4°24 | 26°D13 | 27°24 | 9°42 | n.a. | S 3 |
| M 4 | 23 43 55 | 24°38'18 | 14°12 | 5°25 | 8°26 | 12°59 | 11° 0 | 26°57 | 22°15 | 3°30 | 4°26 | 26°14 | 27°21 | 9°48 | n.a. | M 4 |
| T 5 | 23 47 52 | 25°39'07 | 27° 0 | 6°36 | 9°36 | 12°39 | 11° 7 | 26°59 | 22°19 | 3°32 | 4°28 | 26°R14 | 27°18 | 9°55 | n.a. | T 5 |
| W 6 | 23 51 48 | 26°39'58 | 9♑28 | 7°51 | 10°46 | 12°18 | 11°14 | 27° 1 | 22°23 | 3°34 | 4°31 | 26°13 | 27°15 | 10° 2 | n.a. | W 6 |
| T 7 | 23 55 45 | 27°40'49 | 21°40 | 9° 9 | 11°55 | 11°56 | 11°21 | 27° 3 | 22°27 | 3°36 | 4°33 | 26°10 | 27°11 | 10° 8 | n.a. | T 7 |
| F 8 | 23 59 41 | 28°41'42 | 3♒43 | 10°29 | 13° 5 | 11°34 | 11°28 | 27° 5 | 22°30 | 3°37 | 4°35 | 26° 5 | 27° 8 | 10°15 | n.a. | F 8 |
| S 9 | 0 3 38 | 29°42'36 | 15°39 | 11°52 | 14°14 | 11°12 | 11°35 | 27° 7 | 22°34 | 3°39 | 4°38 | 25°57 | 27° 5 | 10°22 | n.a. | S 9 |
| S 10 | 0 7 34 | 0♎43'32 | 27°31 | 13°17 | 15°23 | 10°49 | 11°41 | 27° 9 | 22°38 | 3°41 | 4°40 | 25°47 | 27° 2 | 10°29 | n.a. | S 10 |
| M11 | 0 11 31 | 1°44'28 | 9♓23 | 14°43 | 16°32 | 10°26 | 11°48 | 27°10 | 22°42 | 3°43 | 4°42 | 25°36 | 26°59 | 10°35 | n.a. | M11 |
| T 12 | 0 15 28 | 2°45'25 | 21°16 | 16°10 | 17°41 | 10° 3 | 11°54 | 27°12 | 22°45 | 3°45 | 4°44 | 25°25 | 26°56 | 10°42 | n.a. | T 12 |
| W13 | 0 19 24 | 3°46'24 | 3♈13 | 17°39 | 18°50 | 9°40 | 12° 0 | 27°13 | 22°49 | 3°47 | 4°46 | 25°15 | 26°52 | 10°49 | n.a. | W13 |
| T 14 | 0 23 21 | 4°47'24 | 15°13 | 19° 8 | 19°59 | 9°16 | 12° 6 | 27°15 | 22°53 | 3°49 | 4°49 | 25° 6 | 26°49 | 10°56 | n.a. | T 14 |
| F 15 | 0 27 17 | 5°48'25 | 27°19 | 20°38 | 21° 7 | 8°53 | 12°12 | 27°16 | 22°56 | 3°51 | 4°51 | 25° 0 | 26°46 | 11° 2 | n.a. | F 15 |
| S 16 | 0 31 14 | 6°49'27 | 9♉32 | 22° 9 | 22°15 | 8°30 | 12°18 | 27°17 | 23° 0 | 3°53 | 4°53 | 24°57 | 26°43 | 11° 9 | n.a. | S 16 |
| S 17 | 0 35 10 | 7°50'31 | 21°55 | 23°41 | 23°24 | 8° 6 | 12°23 | 27°18 | 23° 4 | 3°56 | 4°55 | 24°D55 | 26°40 | 11°16 | n.a. | S 17 |
| M18 | 0 39 7 | 8°51'36 | 4♊29 | 25°12 | 24°32 | 7°43 | 12°28 | 27°19 | 23° 7 | 3°58 | 4°57 | 24°55 | 26°36 | 11°22 | n.a. | M18 |
| T 19 | 0 43 3 | 9°52'43 | 17°18 | 26°44 | 25°39 | 7°20 | 12°34 | 27°19 | 23°11 | 4° 0 | 4°59 | 24°57 | 26°33 | 11°29 | n.a. | T 19 |
| W20 | 0 47 0 | 10°53'50 | 0♋25 | 28°17 | 26°47 | 6°57 | 12°39 | 27°20 | 23°15 | 4° 2 | 5° 1 | 24°58 | 26°30 | 11°36 | n.a. | W20 |
| T 21 | 0 50 57 | 11°54'59 | 13°52 | 29°49 | 27°55 | 6°34 | 12°43 | 27°20 | 23°18 | 4° 4 | 5° 3 | 24°R59 | 26°27 | 11°43 | n.a. | T 21 |
| F 22 | 0 54 53 | 12°56'09 | 27°43 | 1♎22 | 29° 2 | 6°12 | 12°48 | 27°21 | 23°22 | 4° 6 | 5° 6 | 24°58 | 26°24 | 11°49 | n.a. | F 22 |
| S 23 | 0 58 50 | 13°57'20 | 11♌57 | 2°55 | 0♐ 9 | 5°50 | 12°52 | 27°21 | 23°25 | 4° 8 | 5° 8 | 24°55 | 26°21 | 11°56 | n.a. | S 23 |
| S 24 | 1 2 46 | 14°58'33 | 26°33 | 4°28 | 1°16 | 5°28 | 12°57 | 27°21 | 23°29 | 4°10 | 5°10 | 24°50 | 26°17 | 12° 3 | n.a. | S 24 |
| M25 | 1 6 43 | 15°59'46 | 11♍26 | 6° 1 | 2°23 | 5° 7 | 13° 1 | 27°R21 | 23°33 | 4°13 | 5°12 | 24°44 | 26°14 | 12° 9 | n.a. | M25 |
| T 26 | 1 10 39 | 17° 1'00 | 26°29 | 7°35 | 3°30 | 4°46 | 13° 5 | 27°21 | 23°36 | 4°15 | 5°13 | 24°38 | 26°11 | 12°16 | n.a. | T 26 |
| W27 | 1 14 36 | 18° 2'15 | 11♎33 | 9° 8 | 4°36 | 4°26 | 13° 9 | 27°21 | 23°40 | 4°17 | 5°15 | 24°33 | 26° 8 | 12°23 | n.a. | W27 |
| T 28 | 1 18 32 | 19° 3'31 | 26°28 | 10°41 | 5°42 | 4° 6 | 13°12 | 27°21 | 23°43 | 4°19 | 5°17 | 24°28 | 26° 5 | 12°30 | n.a. | T 28 |
| F 29 | 1 22 29 | 20° 4'48 | 11♏ 6 | 12°15 | 6°48 | 3°47 | 13°16 | 27°21 | 23°47 | 4°21 | 5°19 | 24°26 | 26° 2 | 12°36 | n.a. | F 29 |
| S 30 | 1 26 26 | 21° 6'05 | 25°20 | 13°48 | 7°54 | 3°28 | 13°19 | 27°20 | 23°50 | 4°24 | 5°21 | 24°D25 | 25°58 | 12°43 | n.a. | S 30 |
| S 31 | 1 30 22 | 22♎ 7'23 | 9♐ 7 | 15♎22 | 8♐59 | 3♈11 | 13♋22 | 27♊19 | 23♍53 | 4♏26 | 5♍23 | 24♏26 | 25♏55 | 12♓50 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 3n24 | 14s42 | 1s59 | 12n51 | 2n 9 | 15s29 | 2s11 | 4n 6 | 1s40 | 24n13 | 0n44 | 23n58 | 0n 5 | 3n50 | 0n40 | 11s20 | 1n41 | 25n30 | 16n40 | 19s42 | 20s 0 | 3s31 | | n.a. | |
| S 2 | 2 59 | 18 6 | 0 47 | 12 33 | 2 12 | 15 56 | 2 14 | 4 0 | 1 37 | 24 12 | 0 44 | 23 58 | 0 5 | 3 48 | 0 40 | 11 20 | 1 41 | 25 29 | 16 40 | 19 42 | 19 59 | 3 29 | | n.a. | |
| S 3 | 2 35 | 20 21 | 0n26 | 12 12 | 2 14 | 16 22 | 2 17 | 3 54 | 1 35 | 24 12 | 0 44 | 23 58 | 0 6 | 3 46 | 0 40 | 11 21 | 1 41 | 25 29 | 16 40 | 19 42 | 19 58 | 3 27 | | n.a. | |
| M 4 | 2 10 | 21 24 | 1 35 | 11 48 | 2 16 | 16 48 | 2 20 | 3 49 | 1 33 | 24 12 | 0 45 | 23 59 | 0 6 | 3 45 | 0 40 | 11 22 | 1 40 | 25 28 | 16 41 | 19 42 | 19 58 | 3 24 | | n.a. | |
| T 5 | 1 46 | 21 17 | 2 37 | 11 21 | 2 16 | 17 13 | 2 22 | 3 43 | 1 30 | 24 11 | 0 45 | 23 59 | 0 6 | 3 43 | 0 40 | 11 22 | 1 40 | 25 27 | 16 41 | 19 42 | 19 57 | 3 22 | | n.a. | |
| W 6 | 1 21 | 20 5 | 3 30 | 10 52 | 2 15 | 17 38 | 2 25 | 3 36 | 1 28 | 24 11 | 0 45 | 23 59 | 0 6 | 3 42 | 0 40 | 11 23 | 1 40 | 25 26 | 16 41 | 19 42 | 19 56 | 3 19 | | n.a. | |
| T 7 | 0 56 | 17 59 | 4 12 | 10 21 | 2 13 | 18 3 | 2 27 | 3 30 | 1 25 | 24 11 | 0 45 | 23 59 | 0 6 | 3 40 | 0 40 | 11 24 | 1 40 | 25 26 | 16 41 | 19 41 | 19 55 | 3 17 | | n.a. | |
| F 8 | 0 32 | 15 8 | 4 42 | 9 48 | 2 11 | 18 27 | 2 30 | 3 24 | 1 23 | 24 10 | 0 46 | 23 59 | 0 6 | 3 39 | 0 40 | 11 24 | 1 40 | 25 25 | 16 41 | 19 40 | 19 55 | 3 15 | | n.a. | |
| S 9 | 0 7 | 11 42 | 5 0 | 9 13 | 2 9 | 18 50 | 2 32 | 3 17 | 1 20 | 24 10 | 0 46 | 23 59 | 0 6 | 3 37 | 0 40 | 11 25 | 1 40 | 25 24 | 16 42 | 19 38 | 19 54 | 3 12 | | n.a. | |
| S 10 | 0s18 | 7 49 | 5 5 | 8 37 | 2 5 | 19 14 | 2 34 | 3 11 | 1 18 | 24 9 | 0 46 | 24 0 | 0 6 | 3 36 | 0 40 | 11 26 | 1 40 | 25 24 | 16 42 | 19 35 | 19 53 | 3 10 | | n.a. | |
| M11 | 0 42 | 3 39 | 4 56 | 8 0 | 2 2 | 19 36 | 2 36 | 3 4 | 1 15 | 24 9 | 0 46 | 24 0 | 0 6 | 3 34 | 0 40 | 11 26 | 1 40 | 25 23 | 16 42 | 19 33 | 19 52 | 3 8 | | n.a. | |
| T 12 | 1 7 | 0n40 | 4 35 | 7 21 | 1 57 | 19 58 | 2 38 | 2 57 | 1 12 | 24 9 | 0 46 | 24 0 | 0 6 | 3 33 | 0 40 | 11 27 | 1 40 | 25 22 | 16 42 | 19 30 | 19 52 | 3 5 | | n.a. | |
| W13 | 1 32 | 4 59 | 4 1 | 6 42 | 1 53 | 20 20 | 2 40 | 2 50 | 1 10 | 24 8 | 0 47 | 24 0 | 0 7 | 3 31 | 0 40 | 11 28 | 1 40 | 25 22 | 16 43 | 19 28 | 19 51 | 3 3 | | n.a. | |
| T 14 | 1 56 | 9 7 | 3 17 | 6 2 | 1 48 | 20 41 | 2 42 | 2 43 | 1 7 | 24 8 | 0 47 | 24 0 | 0 7 | 3 30 | 0 40 | 11 29 | 1 40 | 25 21 | 16 43 | 19 25 | 19 50 | 3 0 | | n.a. | |
| F 15 | 2 21 | 12 57 | 2 23 | 5 21 | 1 43 | 21 2 | 2 44 | 2 37 | 1 4 | 24 8 | 0 47 | 24 0 | 0 7 | 3 28 | 0 40 | 11 29 | 1 40 | 25 21 | 16 43 | 19 24 | 19 49 | 2 58 | | n.a. | |
| S 16 | 2 46 | 16 15 | 1 22 | 4 39 | 1 37 | 21 22 | 2 46 | 2 30 | 1 1 | 24 8 | 0 47 | 24 0 | 0 7 | 3 27 | 0 40 | 11 30 | 1 40 | 25 20 | 16 43 | 19 23 | 19 49 | 2 56 | | n.a. | |
| S 17 | 3 10 | 18 52 | 0 16 | 3 57 | 1 32 | 21 41 | 2 47 | 2 23 | 0 59 | 24 7 | 0 48 | 24 1 | 0 7 | 3 26 | 0 40 | 11 31 | 1 40 | 25 19 | 16 44 | 19 23 | 19 48 | 2 53 | | n.a. | |
| M18 | 3 35 | 20 37 | 0s52 | 3 15 | 1 26 | 22 0 | 2 49 | 2 16 | 0 56 | 24 7 | 0 48 | 24 1 | 0 7 | 3 24 | 0 40 | 11 32 | 1 40 | 25 19 | 16 44 | 19 23 | 19 47 | 2 51 | | n.a. | |
| T 19 | 3 59 | 21 20 | 1 58 | 2 32 | 1 20 | 22 19 | 2 50 | 2 9 | 0 53 | 24 7 | 0 48 | 24 1 | 0 7 | 3 23 | 0 40 | 11 32 | 1 40 | 25 18 | 16 44 | 19 23 | 19 46 | 2 49 | | n.a. | |
| W20 | 4 24 | 20 55 | 3 0 | 1 49 | 1 14 | 22 36 | 2 52 | 2 3 | 0 50 | 24 7 | 0 48 | 24 1 | 0 7 | 3 21 | 0 41 | 11 33 | 1 40 | 25 18 | 16 45 | 19 23 | 19 46 | 2 46 | | n.a. | |
| T 21 | 4 48 | 19 18 | 3 54 | 1 6 | 1 7 | 22 54 | 2 53 | 1 56 | 0 47 | 24 6 | 0 49 | 24 1 | 0 8 | 3 20 | 0 41 | 11 34 | 1 40 | 25 17 | 16 45 | 19 24 | 19 45 | 2 44 | | n.a. | |
| F 22 | 5 12 | 16 32 | 4 36 | 0 22 | 1 1 | 23 10 | 2 54 | 1 50 | 0 45 | 24 6 | 0 49 | 24 1 | 0 8 | 3 18 | 0 41 | 11 35 | 1 40 | 25 17 | 16 45 | 19 23 | 19 44 | 2 42 | | n.a. | |
| S 23 | 5 37 | 12 43 | 5 2 | 0s21 | 0 54 | 23 26 | 2 55 | 1 43 | 0 42 | 24 6 | 0 49 | 24 1 | 0 8 | 3 17 | 0 41 | 11 35 | 1 40 | 25 16 | 16 46 | 19 23 | 19 43 | 2 39 | | n.a. | |
| S 24 | 6 1 | 8 4 | 5 10 | 1 5 | 0 48 | 23 41 | 2 56 | 1 37 | 0 39 | 24 6 | 0 49 | 24 1 | 0 8 | 3 15 | 0 41 | 11 36 | 1 40 | 25 16 | 16 46 | 19 21 | 19 43 | 2 37 | | n.a. | |
| M25 | 6 25 | 2 51 | 4 57 | 1 49 | 0 41 | 23 56 | 2 56 | 1 31 | 0 36 | 24 6 | 0 50 | 24 2 | 0 8 | 3 14 | 0 41 | 11 37 | 1 40 | 25 15 | 16 46 | 19 20 | 19 42 | 2 34 | | n.a. | |
| T 26 | 6 49 | 2s36 | 4 24 | 2 32 | 0 35 | 24 10 | 2 57 | 1 25 | 0 33 | 24 5 | 0 50 | 24 2 | 0 8 | 3 12 | 0 41 | 11 38 | 1 40 | 25 15 | 16 47 | 19 18 | 19 41 | 2 32 | | n.a. | |
| W27 | 7 13 | 7 54 | 3 32 | 3 16 | 0 28 | 24 23 | 2 57 | 1 20 | 0 31 | 24 5 | 0 50 | 24 2 | 0 8 | 3 11 | 0 41 | 11 38 | 1 40 | 25 15 | 16 47 | 19 17 | 19 40 | 2 30 | | n.a. | |
| T 28 | 7 36 | 12 41 | 2 26 | 3 59 | 0 21 | 24 36 | 2 58 | 1 14 | 0 28 | 24 5 | 0 51 | 24 2 | 0 8 | 3 10 | 0 41 | 11 39 | 1 40 | 25 14 | 16 47 | 19 16 | 19 40 | 2 27 | | n.a. | |
| F 29 | 8 0 | 16 36 | 1 12 | 4 43 | 0 15 | 24 48 | 2 58 | 1 9 | 0 25 | 24 5 | 0 51 | 24 2 | 0 8 | 3 8 | 0 41 | 11 40 | 1 40 | 25 14 | 16 48 | 19 15 | 19 39 | 2 25 | | n.a. | |
| S 30 | 8 24 | 19 24 | 0n 5 | 5 26 | 0 8 | 24 59 | 2 58 | 1 4 | 0 22 | 24 5 | 0 51 | 24 2 | 0 9 | 3 7 | 0 41 | 11 41 | 1 40 | 25 13 | 16 48 | 19 15 | 19 38 | 2 23 | | n.a. | |
| S 31 | 8s47 | 20s57 | 1n20 | 6s 9 | 0n 1 | 25s10 | 2s58 | 0n59 | 0s20 | 24n 5 | 0n51 | 24n 2 | 0n 9 | 3n 6 | 0n41 | 11s42 | 1n40 | 25n13 | 16n49 | 19s15 | 19s37 | 2s20 | | n.a. | |

Julian Day Number = 1001423.5, Delta T = 12h50m44s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'06, Lahiri = -31°08'05 Julian Calendar 1 Oct. 1972 BCE == Greg. Calendar 14 Sept. 1972 BCE

The year -1971 astronomical counting style corresponds to year 1972 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## NOVEMBER 1972 BCE (-1971) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 34 19 | 23♎ 8'40 | 22♐27 | 16♎56 | 10♐ 4 | 2°R53 | 13♋25 | 27°R19 | 23♍57 | 4♏28 | 5♍25 | 24♏28 | 25♏52 | 12♓56 | n.a. | M 1 |
| T 2 | 1 38 15 | 24° 9'59 | 5♑22 | 18°30 | 11° 9 | 2♈37 | 13°28 | 27♊18 | 24° 0 | 4°30 | 5°27 | 24°29 | 25°49 | 13° 3 | n.a. | T 2 |
| W 3 | 1 42 12 | 25°11'17 | 17°55 | 20° 4 | 12°14 | 2°21 | 13°30 | 27°17 | 24° 4 | 4°33 | 5°28 | 24°30 | 25°46 | 13°10 | n.a. | W 3 |
| T 4 | 1 46 8 | 26°12'35 | 0♒11 | 21°38 | 13°18 | 2° 6 | 13°32 | 27°16 | 24° 7 | 4°35 | 5°30 | 24°R31 | 25°42 | 13°17 | n.a. | T 4 |
| F 5 | 1 50 5 | 27°13'54 | 12°14 | 23°12 | 14°22 | 1°52 | 13°34 | 27°15 | 24°10 | 4°37 | 5°32 | 24°29 | 25°39 | 13°23 | n.a. | F 5 |
| S 6 | 1 54 2 | 28°15'12 | 24° 9 | 24°46 | 15°26 | 1°38 | 13°36 | 27°13 | 24°14 | 4°39 | 5°33 | 24°27 | 25°36 | 13°30 | n.a. | S 6 |
| S 7 | 1 57 58 | 29°16'31 | 6♓ 1 | 26°21 | 16°30 | 1°26 | 13°38 | 27°12 | 24°17 | 4°42 | 5°35 | 24°24 | 25°33 | 13°37 | n.a. | S 7 |
| M 8 | 2 1 55 | 0♏17'49 | 17°53 | 27°56 | 17°33 | 1°14 | 13°40 | 27°11 | 24°20 | 4°44 | 5°37 | 24°19 | 25°30 | 13°43 | n.a. | M 8 |
| T 9 | 2 5 51 | 1°19'08 | 29°48 | 29°31 | 18°36 | 1° 3 | 13°41 | 27° 9 | 24°23 | 4°46 | 5°38 | 24°15 | 25°27 | 13°50 | n.a. | T 9 |
| W10 | 2 9 48 | 2°20'26 | 11♈49 | 1♏ 6 | 19°38 | 0°52 | 13°42 | 27° 7 | 24°26 | 4°48 | 5°40 | 24°11 | 25°23 | 13°57 | n.a. | W10 |
| T 11 | 2 13 44 | 3°21'45 | 23°58 | 2°41 | 20°40 | 0°43 | 13°43 | 27° 5 | 24°30 | 4°51 | 5°41 | 24° 8 | 25°20 | 14° 4 | n.a. | T 11 |
| F 12 | 2 17 41 | 4°23'04 | 6♉17 | 4°17 | 21°42 | 0°34 | 13°44 | 27° 4 | 24°33 | 4°53 | 5°43 | 24° 6 | 25°17 | 14°10 | n.a. | F 12 |
| S 13 | 2 21 37 | 5°24'22 | 18°46 | 5°53 | 22°43 | 0°27 | 13°45 | 27° 2 | 24°36 | 4°55 | 5°44 | 24°D 5 | 25°14 | 14°17 | n.a. | S 13 |
| S 14 | 2 25 34 | 6°25'41 | 1♊26 | 7°29 | 23°44 | 0°20 | 13°45 | 26°59 | 24°39 | 4°58 | 5°46 | 24° 5 | 25°11 | 14°24 | n.a. | S 14 |
| M15 | 2 29 31 | 7°27'00 | 14°19 | 9° 5 | 24°45 | 0°13 | 13°45 | 26°57 | 24°42 | 5° 0 | 5°47 | 24° 6 | 25° 7 | 14°30 | n.a. | M15 |
| T 16 | 2 33 27 | 8°28'19 | 27°25 | 10°42 | 25°45 | 0° 8 | 13°R45 | 26°55 | 24°45 | 5° 2 | 5°49 | 24° 7 | 25° 4 | 14°37 | n.a. | T 16 |
| W17 | 2 37 24 | 9°29'39 | 10♋44 | 12°19 | 26°44 | 0° 3 | 13°45 | 26°52 | 24°48 | 5° 4 | 5°50 | 24° 9 | 25° 1 | 14°44 | n.a. | W17 |
| T 18 | 2 41 20 | 10°30'58 | 24°18 | 13°57 | 27°43 | 29♓59 | 13°45 | 26°50 | 24°51 | 5° 7 | 5°51 | 24°10 | 24°58 | 14°51 | n.a. | T 18 |
| F 19 | 2 45 17 | 11°32'17 | 8♌ 7 | 15°34 | 28°42 | 29°57 | 13°44 | 26°47 | 24°54 | 5° 9 | 5°53 | 24°R10 | 24°55 | 14°57 | n.a. | F 19 |
| S 20 | 2 49 13 | 12°33'37 | 22°11 | 17°13 | 29°40 | 29°55 | 13°43 | 26°45 | 24°56 | 5°11 | 5°54 | 24°10 | 24°52 | 15° 4 | n.a. | S 20 |
| S 21 | 2 53 10 | 13°34'56 | 6♍28 | 18°51 | 0♑38 | 29°53 | 13°42 | 26°42 | 24°59 | 5°13 | 5°55 | 24° 9 | 24°48 | 15°11 | n.a. | S 21 |
| M22 | 2 57 7 | 14°36'15 | 20°56 | 20°30 | 1°35 | 29°D53 | 13°41 | 26°39 | 25° 2 | 5°16 | 5°56 | 24° 8 | 24°45 | 15°18 | n.a. | M22 |
| T 23 | 3 1 3 | 15°37'34 | 5♎32 | 22° 9 | 2°31 | 29°53 | 13°40 | 26°36 | 25° 5 | 5°18 | 5°58 | 24° 7 | 24°42 | 15°24 | n.a. | T 23 |
| W24 | 3 5 0 | 16°38'53 | 20° 8 | 23°48 | 3°27 | 29°54 | 13°38 | 26°33 | 25° 7 | 5°20 | 5°59 | 24° 6 | 24°39 | 15°31 | n.a. | W24 |
| T 25 | 3 8 56 | 17°40'12 | 4♏40 | 25°28 | 4°23 | 29°55 | 13°36 | 26°30 | 25°10 | 5°22 | 6° 0 | 24° 6 | 24°36 | 15°38 | n.a. | T 25 |
| F 26 | 3 12 53 | 18°41'30 | 19° 1 | 27° 8 | 5°18 | 29°58 | 13°35 | 26°26 | 25°13 | 5°25 | 6° 1 | 24°D 5 | 24°33 | 15°44 | n.a. | F 26 |
| S 27 | 3 16 49 | 19°42'48 | 3♐ 5 | 28°48 | 6°12 | 0♈ 1 | 13°32 | 26°23 | 25°15 | 5°27 | 6° 2 | 24° 5 | 24°29 | 15°51 | n.a. | S 27 |
| S 28 | 3 20 46 | 20°44'05 | 16°49 | 0♐28 | 7° 5 | 0° 5 | 13°30 | 26°20 | 25°18 | 5°29 | 6° 3 | 24° 6 | 24°26 | 15°58 | n.a. | S 28 |
| M29 | 3 24 42 | 21°45'22 | 0♑10 | 2° 8 | 7°58 | 0°10 | 13°28 | 26°16 | 25°20 | 5°31 | 6° 4 | 24° 6 | 24°23 | 16° 5 | n.a. | M29 |
| T 30 | 3 28 39 | 22♏46'37 | 13♑ 9 | 3♐49 | 8♑50 | 0♈15 | 13♋25 | 26♊13 | 25♍23 | 5♏33 | 6♍ 5 | 24♏ 6 | 24♏20 | 16♓11 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 9s10 | 21s15 | 2n27 | 6s52 | 0s 5 | 25s20 | 2s58 | 0n55 | 0s17 | 24n 5 | 0n52 | 24n 2 | 0n 9 | 3n 4 | 0n41 | 11s42 | 1n40 | 25n13 | 16n49 | 19s16 | 19s37 | 2s18 | | n.a. |
| T 2 | 9 33 | 20 23 | 3 26 | 7 34 | 0 12 | 25 30 | 2 57 | 0 50 | 0 14 | 24 5 | 0 52 | 24 2 | 0 9 | 3 3 | 0 41 | 11 43 | 1 40 | 25 12 | 16 49 | 19 16 | 19 36 | 2 16 | | n.a. |
| W 3 | 9 56 | 18 32 | 4 12 | 8 16 | 0 18 | 25 38 | 2 57 | 0 46 | 0 12 | 24 5 | 0 52 | 24 3 | 0 9 | 3 1 | 0 41 | 11 44 | 1 40 | 25 12 | 16 50 | 19 17 | 19 35 | 2 13 | | n.a. |
| T 4 | 10 19 | 15 52 | 4 46 | 8 58 | 0 24 | 25 46 | 2 56 | 0 43 | 0 9 | 24 5 | 0 52 | 24 3 | 0 9 | 3 0 | 0 41 | 11 45 | 1 40 | 25 12 | 16 50 | 19 17 | 19 34 | 2 11 | | n.a. |
| F 5 | 10 42 | 12 34 | 5 7 | 9 40 | 0 31 | 25 53 | 2 56 | 0 39 | 0 7 | 24 5 | 0 53 | 24 3 | 0 9 | 2 59 | 0 41 | 11 45 | 1 40 | 25 12 | 16 51 | 19 16 | 19 34 | 2 9 | | n.a. |
| S 6 | 11 4 | 8 49 | 5 14 | 10 21 | 0 37 | 26 0 | 2 55 | 0 36 | 0 4 | 24 5 | 0 53 | 24 3 | 0 9 | 2 57 | 0 41 | 11 46 | 1 40 | 25 11 | 16 51 | 19 16 | 19 33 | 2 6 | | n.a. |
| S 7 | 11 26 | 4 44 | 5 7 | 11 2 | 0 43 | 26 6 | 2 54 | 0 33 | 0 2 | 24 5 | 0 53 | 24 3 | 0 10 | 2 56 | 0 41 | 11 47 | 1 40 | 25 11 | 16 52 | 19 15 | 19 32 | 2 4 | | n.a. |
| M 8 | 11 48 | 0 29 | 4 48 | 11 42 | 0 49 | 26 11 | 2 52 | 0 30 | 0n 1 | 24 5 | 0 54 | 24 3 | 0 10 | 2 55 | 0 41 | 11 48 | 1 40 | 25 11 | 16 52 | 19 14 | 19 31 | 2 1 | | n.a. |
| T 9 | 12 10 | 3n49 | 4 16 | 12 22 | 0 55 | 26 15 | 2 51 | 0 28 | 0 3 | 24 6 | 0 54 | 24 3 | 0 10 | 2 54 | 0 41 | 11 49 | 1 40 | 25 11 | 16 53 | 19 13 | 19 30 | 1 59 | | n.a. |
| W10 | 12 32 | 8 0 | 3 32 | 13 2 | 1 0 | 26 19 | 2 49 | 0 26 | 0 5 | 24 6 | 0 54 | 24 3 | 0 10 | 2 52 | 0 41 | 11 49 | 1 39 | 25 10 | 16 53 | 19 12 | 19 30 | 1 57 | | n.a. |
| T 11 | 12 53 | 11 56 | 2 38 | 13 41 | 1 6 | 26 22 | 2 48 | 0 24 | 0 8 | 24 6 | 0 54 | 24 3 | 0 10 | 2 51 | 0 41 | 11 50 | 1 39 | 25 10 | 16 53 | 19 11 | 19 29 | 1 54 | | n.a. |
| F 12 | 13 14 | 15 24 | 1 37 | 14 19 | 1 11 | 26 25 | 2 46 | 0 23 | 0 10 | 24 6 | 0 55 | 24 3 | 0 10 | 2 50 | 0 41 | 11 51 | 1 39 | 25 10 | 16 54 | 19 10 | 19 28 | 1 52 | | n.a. |
| S 13 | 13 35 | 18 13 | 0 29 | 14 57 | 1 17 | 26 26 | 2 44 | 0 22 | 0 12 | 24 6 | 0 55 | 24 3 | 0 10 | 2 49 | 0 41 | 11 52 | 1 39 | 25 10 | 16 54 | 19 10 | 19 27 | 1 50 | | n.a. |
| S 14 | 13 56 | 20 12 | 0s41 | 15 34 | 1 22 | 26 27 | 2 42 | 0 21 | 0 14 | 24 7 | 0 55 | 24 3 | 0 10 | 2 47 | 0 41 | 11 53 | 1 39 | 25 10 | 16 55 | 19 10 | 19 27 | 1 47 | | n.a. |
| M15 | 14 16 | 21 10 | 1 50 | 16 10 | 1 26 | 26 28 | 2 39 | 0 20 | 0 16 | 24 7 | 0 56 | 24 3 | 0 10 | 2 46 | 0 41 | 11 53 | 1 39 | 25 10 | 16 55 | 19 10 | 19 26 | 1 45 | | n.a. |
| T 16 | 14 37 | 21 0 | 2 54 | 16 46 | 1 31 | 26 27 | 2 37 | 0 20 | 0 18 | 24 7 | 0 56 | 24 4 | 0 11 | 2 45 | 0 41 | 11 54 | 1 39 | 25 10 | 16 56 | 19 11 | 19 25 | 1 43 | | n.a. |
| W17 | 14 57 | 19 39 | 3 50 | 17 21 | 1 35 | 26 26 | 2 34 | 0 20 | 0 20 | 24 7 | 0 56 | 24 4 | 0 11 | 2 44 | 0 41 | 11 55 | 1 39 | 25 9 | 16 56 | 19 11 | 19 24 | 1 40 | | n.a. |
| T 18 | 15 16 | 17 11 | 4 35 | 17 55 | 1 40 | 26 25 | 2 31 | 0 20 | 0 22 | 24 8 | 0 56 | 24 4 | 0 11 | 2 43 | 0 41 | 11 56 | 1 39 | 25 9 | 16 57 | 19 11 | 19 23 | 1 38 | | n.a. |
| F 19 | 15 36 | 13 42 | 5 4 | 18 29 | 1 43 | 26 22 | 2 28 | 0 21 | 0 24 | 24 8 | 0 57 | 24 4 | 0 11 | 2 42 | 0 41 | 11 56 | 1 39 | 25 9 | 16 57 | 19 11 | 19 23 | 1 36 | | n.a. |
| S 20 | 15 55 | 9 25 | 5 17 | 19 1 | 1 47 | 26 19 | 2 24 | 0 22 | 0 26 | 24 8 | 0 57 | 24 4 | 0 11 | 2 40 | 0 41 | 11 57 | 1 39 | 25 9 | 16 58 | 19 11 | 19 22 | 1 33 | | n.a. |
| S 21 | 16 14 | 4 32 | 5 10 | 19 32 | 1 50 | 26 16 | 2 21 | 0 23 | 0 28 | 24 9 | 0 57 | 24 4 | 0 11 | 2 39 | 0 41 | 11 58 | 1 39 | 25 9 | 16 58 | 19 11 | 19 21 | 1 31 | | n.a. |
| M22 | 16 32 | 0s40 | 4 43 | 20 3 | 1 53 | 26 12 | 2 17 | 0 24 | 0 30 | 24 9 | 0 57 | 24 4 | 0 11 | 2 38 | 0 41 | 11 59 | 1 39 | 25 9 | 16 59 | 19 11 | 19 20 | 1 29 | | n.a. |
| T 23 | 16 51 | 5 52 | 3 58 | 20 32 | 1 56 | 26 7 | 2 13 | 0 26 | 0 31 | 24 10 | 0 58 | 24 4 | 0 11 | 2 37 | 0 41 | 11 59 | 1 39 | 25 9 | 16 59 | 19 11 | 19 19 | 1 26 | | n.a. |
| W24 | 17 9 | 10 45 | 2 57 | 21 0 | 1 58 | 26 1 | 2 9 | 0 28 | 0 33 | 24 10 | 0 58 | 24 4 | 0 12 | 2 36 | 0 41 | 12 0 | 1 39 | 25 9 | 17 0 | 19 10 | 19 19 | 1 24 | | n.a. |
| T 25 | 17 27 | 14 59 | 1 46 | 21 27 | 2 0 | 25 55 | 2 5 | 0 30 | 0 35 | 24 11 | 0 58 | 24 4 | 0 12 | 2 35 | 0 41 | 12 1 | 1 39 | 25 9 | 17 0 | 19 10 | 19 18 | 1 22 | | n.a. |
| F 26 | 17 44 | 18 16 | 0 28 | 21 53 | 2 2 | 25 49 | 2 0 | 0 32 | 0 36 | 24 11 | 0 59 | 24 4 | 0 12 | 2 34 | 0 41 | 12 2 | 1 39 | 25 9 | 17 1 | 19 10 | 19 17 | 1 19 | | n.a. |
| S 27 | 18 1 | 20 23 | 0n50 | 22 17 | 2 3 | 25 41 | 1 55 | 0 35 | 0 38 | 24 11 | 0 59 | 24 4 | 0 12 | 2 33 | 0 41 | 12 2 | 1 39 | 25 10 | 17 2 | 19 10 | 19 16 | 1 17 | | n.a. |
| S 28 | 18 18 | 21 13 | 2 3 | 22 40 | 2 3 | 25 34 | 1 50 | 0 38 | 0 39 | 24 12 | 0 59 | 24 4 | 0 12 | 2 32 | 0 41 | 12 3 | 1 39 | 25 10 | 17 2 | 19 10 | 19 15 | 1 15 | | n.a. |
| M29 | 18 34 | 20 48 | 3 7 | 23 1 | 2 4 | 25 25 | 1 45 | 0 41 | 0 41 | 24 13 | 0 59 | 24 4 | 0 12 | 2 31 | 0 41 | 12 4 | 1 39 | 25 10 | 17 3 | 19 10 | 19 15 | 1 12 | | n.a. |
| T 30 | 18s50 | 19s16 | 4n 0 | 23s21 | 2s 3 | 25s16 | 1s39 | 0n45 | 0n42 | 24n13 | 1n 0 | 24n 4 | 0n12 | 2n30 | 0n41 | 12s 5 | 1n39 | 25n10 | 17n 3 | 19s10 | 19s14 | 1s10 | | n.a. |

Julian Day Number = 1001454.5, Delta T = 12h50m41s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°15'01, Lahiri = -31°08'01 Julian Calendar 1 Nov. 1972 BCE == Greg. Calendar 15 Oct. 1972 BCE


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# ASTRODIENST EPHEMERIS for the year 1972 BCE
# geocentric

## DECEMBER 1972 BCE (-1971) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 32 36 | 23♏47'52 | 25♑48 | 5♐29 | 9♑41 | 0♈21 | 13°R22 | 26°R 9 | 25♍25 | 5♏36 | 6♍ 6 | 24°R 6 | 24♏17 | 16♓18 | n.a. | W 1 |
| T 2 | 3 36 32 | 24°49'05 | 8♒ 8 | 7° 9 | 10°31 | 0°28 | 13♋19 | 26♊ 5 | 25°28 | 5°38 | 6° 7 | 24♏ 6 | 24°13 | 16°25 | n.a. | T 2 |
| F 3 | 3 40 29 | 25°50'18 | 20°14 | 8°48 | 11°21 | 0°35 | 13°16 | 26° 1 | 25°30 | 5°40 | 6° 8 | 24°D 6 | 24°10 | 16°31 | n.a. | F 3 |
| S 4 | 3 44 25 | 26°51'29 | 2♓11 | 10°27 | 12°10 | 0°43 | 13°12 | 25°58 | 25°32 | 5°42 | 6° 8 | 24° 6 | 24° 7 | 16°38 | n.a. | S 4 |
| S 5 | 3 48 22 | 27°52'40 | 14° 3 | 12° 6 | 12°58 | 0°52 | 13° 9 | 25°54 | 25°34 | 5°44 | 6° 9 | 24° 6 | 24° 4 | 16°45 | n.a. | S 5 |
| M 6 | 3 52 18 | 28°53'49 | 25°55 | 13°43 | 13°44 | 1° 1 | 13° 5 | 25°50 | 25°37 | 5°46 | 6°10 | 24° 7 | 24° 1 | 16°52 | n.a. | M 6 |
| T 7 | 3 56 15 | 29°54'57 | 7♈52 | 15°19 | 14°30 | 1°11 | 13° 1 | 25°46 | 25°39 | 5°49 | 6°10 | 24° 7 | 23°58 | 16°58 | n.a. | T 7 |
| W 8 | 4 0 12 | 0♐56'04 | 19°56 | 16°53 | 15°15 | 1°22 | 12°57 | 25°41 | 25°41 | 5°51 | 6°11 | 24° 8 | 23°54 | 17° 5 | n.a. | W 8 |
| T 9 | 4 4 8 | 1°57'09 | 2♉13 | 18°25 | 15°59 | 1°33 | 12°52 | 25°37 | 25°43 | 5°53 | 6°12 | 24° 9 | 23°51 | 17°12 | n.a. | T 9 |
| F 10 | 4 8 5 | 2°58'14 | 14°43 | 19°55 | 16°42 | 1°45 | 12°48 | 25°33 | 25°45 | 5°55 | 6°12 | 24° 9 | 23°48 | 17°18 | n.a. | F 10 |
| S 11 | 4 12 1 | 3°59'17 | 27°29 | 21°22 | 17°23 | 1°57 | 12°43 | 25°29 | 25°47 | 5°57 | 6°13 | 24°R 9 | 23°45 | 17°25 | n.a. | S 11 |
| S 12 | 4 15 58 | 5° 0'19 | 10♊31 | 22°45 | 18° 4 | 2°10 | 12°38 | 25°24 | 25°49 | 5°59 | 6°13 | 24° 9 | 23°42 | 17°32 | n.a. | S 12 |
| M13 | 4 19 54 | 6° 1'21 | 23°48 | 24° 4 | 18°43 | 2°23 | 12°33 | 25°20 | 25°51 | 6° 1 | 6°14 | 24° 8 | 23°39 | 17°39 | n.a. | M13 |
| T 14 | 4 23 51 | 7° 2'21 | 7♋20 | 25°19 | 19°21 | 2°37 | 12°28 | 25°16 | 25°52 | 6° 3 | 6°14 | 24° 6 | 23°35 | 17°45 | n.a. | T 14 |
| W15 | 4 27 47 | 8° 3'20 | 21° 4 | 26°27 | 19°57 | 2°51 | 12°23 | 25°11 | 25°54 | 6° 5 | 6°15 | 24° 4 | 23°32 | 17°52 | n.a. | W15 |
| T 16 | 4 31 44 | 9° 4'18 | 4♌58 | 27°29 | 20°32 | 3° 6 | 12°17 | 25° 7 | 25°56 | 6° 7 | 6°15 | 24° 3 | 23°29 | 17°59 | n.a. | T 16 |
| F 17 | 4 35 41 | 10° 5'14 | 19° 0 | 28°24 | 21° 6 | 3°22 | 12°12 | 25° 2 | 25°58 | 6° 9 | 6°15 | 24° 1 | 23°26 | 18° 5 | n.a. | F 17 |
| S 18 | 4 39 37 | 11° 6'10 | 3♍ 8 | 29°11 | 21°38 | 3°37 | 12° 6 | 24°57 | 25°59 | 6°11 | 6°16 | 24° 0 | 23°23 | 18°12 | n.a. | S 18 |
| S 19 | 4 43 34 | 12° 7'05 | 17°18 | 29°49 | 22° 8 | 3°54 | 12° 0 | 24°53 | 26° 1 | 6°13 | 6°16 | 24°D 0 | 23°19 | 18°19 | n.a. | S 19 |
| M20 | 4 47 30 | 13° 7'59 | 1♎29 | 0♑18 | 22°37 | 4°10 | 11°54 | 24°48 | 26° 2 | 6°15 | 6°16 | 24° 1 | 23°16 | 18°25 | n.a. | M20 |
| T 21 | 4 51 27 | 14° 8'51 | 15°40 | 0°36 | 23° 5 | 4°28 | 11°48 | 24°43 | 26° 4 | 6°17 | 6°16 | 24° 2 | 23°13 | 18°32 | n.a. | T 21 |
| W22 | 4 55 23 | 15° 9'42 | 29°47 | 0°R44 | 23°30 | 4°45 | 11°42 | 24°39 | 26° 5 | 6°19 | 6°17 | 24° 3 | 23°10 | 18°39 | n.a. | W22 |
| T 23 | 4 59 20 | 16°10'33 | 13♏49 | 0°40 | 23°54 | 5° 3 | 11°35 | 24°34 | 26° 6 | 6°21 | 6°17 | 24° 5 | 23° 7 | 18°46 | n.a. | T 23 |
| F 24 | 5 3 17 | 17°11'21 | 27°42 | 0°26 | 24°16 | 5°22 | 11°29 | 24°29 | 26° 8 | 6°22 | 6°17 | 24°R 5 | 23° 4 | 18°52 | n.a. | F 24 |
| S 25 | 5 7 13 | 18°12'09 | 11♐23 | 0° 1 | 24°36 | 5°40 | 11°22 | 24°24 | 26° 9 | 6°24 | 6°17 | 24° 4 | 23° 0 | 18°59 | n.a. | S 25 |
| S 26 | 5 11 10 | 19°12'55 | 24°50 | 29♐26 | 24°54 | 6° 0 | 11°15 | 24°19 | 26°10 | 6°26 | 6°R17 | 24° 1 | 22°57 | 19° 6 | n.a. | S 26 |
| M27 | 5 15 6 | 20°13'39 | 8♑ 2 | 28°41 | 25° 9 | 6°19 | 11° 9 | 24°15 | 26°11 | 6°28 | 6°17 | 23°58 | 22°54 | 19°12 | n.a. | M27 |
| T 28 | 5 19 3 | 21°14'22 | 20°56 | 27°49 | 25°23 | 6°39 | 11° 2 | 24°10 | 26°12 | 6°30 | 6°17 | 23°53 | 22°51 | 19°19 | n.a. | T 28 |
| W29 | 5 22 59 | 22°15'03 | 3♒32 | 26°49 | 25°35 | 7° 0 | 10°55 | 24° 5 | 26°13 | 6°31 | 6°17 | 23°49 | 22°48 | 19°26 | n.a. | W29 |
| T 30 | 5 26 56 | 23°15'41 | 15°53 | 25°44 | 25°44 | 7°21 | 10°47 | 24° 0 | 26°14 | 6°33 | 6°16 | 23°44 | 22°45 | 19°33 | n.a. | T 30 |
| F 31 | 5 30 52 | 24♐16'18 | 28♒ 1 | 24♐37 | 25♑51 | 7♈42 | 10♋40 | 23♊55 | 26♍15 | 6♏35 | 6♍16 | 23♏40 | 22♏41 | 19♓39 | n.a. | F 31 |

| Day | ☉ | ☽ | | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 19s 6 | 16s50 | 4n40 | | 23s39 | 2s 2 | 25s 7 | 1s34 | 0n49 | 0n44 | 24n14 | 1n 0 | 24n 4 | 0n12 | 2n29 | 0n41 | 12s 5 | 1n39 | 25n10 | 17n 4 | 19s10 | 19s13 | 1s 8 | | n.a. |
| T 2 | 19 21 | 13 41 | 5 5 | | 23 55 | 2 1 | 24 57 | 1 28 | 0 53 | 0 45 | 24 14 | 1 0 | 24 4 | 0 13 | 2 28 | 0 41 | 12 6 | 1 39 | 25 10 | 17 4 | 19 10 | 19 12 | 1 5 | | n.a. |
| F 3 | 19 36 | 10 2 | 5 17 | | 24 10 | 1 59 | 24 47 | 1 22 | 0 57 | 0 47 | 24 15 | 1 1 | 24 4 | 0 13 | 2 27 | 0 41 | 12 7 | 1 40 | 25 10 | 17 5 | 19 10 | 19 12 | 1 3 | | n.a. |
| S 4 | 19 51 | 6 1 | 5 14 | | 24 23 | 1 56 | 24 36 | 1 15 | 1 1 | 0 48 | 24 15 | 1 1 | 24 4 | 0 13 | 2 26 | 0 41 | 12 8 | 1 40 | 25 11 | 17 5 | 19 10 | 19 11 | 1 1 | | n.a. |
| S 5 | 20 5 | 1 49 | 4 58 | | 24 33 | 1 53 | 24 25 | 1 9 | 1 6 | 0 49 | 24 16 | 1 1 | 24 4 | 0 13 | 2 25 | 0 41 | 12 8 | 1 40 | 25 11 | 17 6 | 19 11 | 19 10 | 0 58 | | n.a. |
| M 6 | 20 19 | 2n28 | 4 30 | | 24 42 | 1 48 | 24 13 | 1 2 | 1 11 | 0 50 | 24 17 | 1 1 | 24 4 | 0 13 | 2 25 | 0 41 | 12 9 | 1 40 | 25 11 | 17 7 | 19 11 | 19 9 | 0 56 | | n.a. |
| T 7 | 20 32 | 6 41 | 3 50 | | 24 48 | 1 43 | 24 1 | 0 55 | 1 16 | 0 52 | 24 17 | 1 2 | 24 4 | 0 13 | 2 24 | 0 41 | 12 10 | 1 40 | 25 11 | 17 7 | 19 11 | 19 8 | 0 54 | | n.a. |
| W 8 | 20 45 | 10 42 | 2 59 | | 24 53 | 1 38 | 23 49 | 0 47 | 1 22 | 0 53 | 24 18 | 1 2 | 24 4 | 0 13 | 2 23 | 0 41 | 12 10 | 1 40 | 25 12 | 17 8 | 19 11 | 19 8 | 0 51 | | n.a. |
| T 9 | 20 58 | 14 20 | 1 59 | | 24 55 | 1 31 | 23 36 | 0 40 | 1 27 | 0 54 | 24 19 | 1 2 | 24 4 | 0 13 | 2 22 | 0 41 | 12 11 | 1 40 | 25 12 | 17 8 | 19 11 | 19 7 | 0 49 | | n.a. |
| F 10 | 21 10 | 17 24 | 0 52 | | 24 55 | 1 23 | 23 23 | 0 32 | 1 33 | 0 55 | 24 20 | 1 2 | 24 4 | 0 13 | 2 21 | 0 41 | 12 12 | 1 40 | 25 12 | 17 9 | 19 11 | 19 6 | 0 47 | | n.a. |
| S 11 | 21 22 | 19 42 | 0s18 | | 24 52 | 1 15 | 23 9 | 0 24 | 1 39 | 0 56 | 24 20 | 1 3 | 24 4 | 0 14 | 2 21 | 0 42 | 12 12 | 1 40 | 25 12 | 17 9 | 19 11 | 19 5 | 0 44 | | n.a. |
| S 12 | 21 34 | 21 0 | 1 29 | | 24 48 | 1 5 | 22 55 | 0 15 | 1 45 | 0 57 | 24 21 | 1 3 | 24 4 | 0 14 | 2 20 | 0 42 | 12 13 | 1 40 | 25 13 | 17 10 | 19 11 | 19 4 | 0 42 | | n.a. |
| M13 | 21 45 | 21 10 | 2 37 | | 24 42 | 0 55 | 22 41 | 0 6 | 1 51 | 0 58 | 24 22 | 1 3 | 24 4 | 0 14 | 2 19 | 0 42 | 12 14 | 1 40 | 25 13 | 17 11 | 19 11 | 19 3 | 0 40 | | n.a. |
| T 14 | 21 55 | 20 6 | 3 37 | | 24 33 | 0 43 | 22 27 | 0n 3 | 1 58 | 0 59 | 24 22 | 1 3 | 24 4 | 0 14 | 2 18 | 0 42 | 12 14 | 1 40 | 25 13 | 17 11 | 19 11 | 19 3 | 0 37 | | n.a. |
| W15 | 22 5 | 17 52 | 4 25 | | 24 23 | 0 30 | 22 13 | 0 12 | 2 5 | 1 0 | 24 23 | 1 4 | 24 4 | 0 14 | 2 18 | 0 42 | 12 15 | 1 40 | 25 14 | 17 12 | 19 10 | 19 2 | 0 35 | | n.a. |
| T 16 | 22 15 | 14 35 | 4 59 | | 24 11 | 0 17 | 21 58 | 0 21 | 2 11 | 1 1 | 24 24 | 1 4 | 24 4 | 0 14 | 2 17 | 0 42 | 12 16 | 1 40 | 25 14 | 17 12 | 19 10 | 19 1 | 0 33 | | n.a. |
| F 17 | 22 25 | 10 27 | 5 15 | | 23 57 | 0 2 | 21 43 | 0 31 | 2 19 | 1 2 | 24 25 | 1 4 | 24 4 | 0 14 | 2 16 | 0 42 | 12 16 | 1 40 | 25 15 | 17 13 | 19 9 | 19 0 | 0 30 | | n.a. |
| S 18 | 22 33 | 5 43 | 5 12 | | 23 42 | 0n13 | 21 28 | 0 41 | 2 26 | 1 3 | 24 26 | 1 4 | 24 4 | 0 14 | 2 16 | 0 42 | 12 17 | 1 40 | 25 15 | 17 13 | 19 9 | 18 59 | 0 28 | | n.a. |
| S 19 | 22 42 | 0 40 | 4 50 | | 23 25 | 0 30 | 21 13 | 0 52 | 2 33 | 1 4 | 24 26 | 1 5 | 24 4 | 0 15 | 2 15 | 0 42 | 12 18 | 1 40 | 25 15 | 17 14 | 19 9 | 18 59 | 0 26 | | n.a. |
| M20 | 22 50 | 4s26 | 4 11 | | 23 8 | 0 47 | 20 57 | 1 2 | 2 41 | 1 5 | 24 27 | 1 5 | 24 4 | 0 15 | 2 15 | 0 42 | 12 18 | 1 40 | 25 16 | 17 15 | 19 9 | 18 58 | 0 23 | | n.a. |
| T 21 | 22 57 | 9 18 | 3 16 | | 22 51 | 1 4 | 20 42 | 1 13 | 2 48 | 1 6 | 24 28 | 1 5 | 24 3 | 0 15 | 2 14 | 0 42 | 12 19 | 1 40 | 25 16 | 17 15 | 19 9 | 18 57 | 0 21 | | n.a. |
| W22 | 23 4 | 13 38 | 2 10 | | 22 32 | 1 23 | 20 27 | 1 24 | 2 56 | 1 6 | 24 29 | 1 5 | 24 3 | 0 15 | 2 13 | 0 42 | 12 19 | 1 40 | 25 17 | 17 16 | 19 10 | 18 56 | 0 19 | | n.a. |
| T 23 | 23 11 | 17 12 | 0 56 | | 22 14 | 1 41 | 20 11 | 1 36 | 3 4 | 1 7 | 24 29 | 1 6 | 24 3 | 0 15 | 2 13 | 0 42 | 12 20 | 1 40 | 25 17 | 17 16 | 19 10 | 18 55 | 0 17 | | n.a. |
| F 24 | 23 17 | 19 43 | 0n20 | | 21 56 | 1 59 | 19 56 | 1 48 | 3 12 | 1 8 | 24 30 | 1 6 | 24 3 | 0 15 | 2 12 | 0 42 | 12 21 | 1 40 | 25 18 | 17 17 | 19 10 | 18 55 | 0 14 | | n.a. |
| S 25 | 23 23 | 21 3 | 1 34 | | 21 38 | 2 17 | 19 40 | 2 0 | 3 21 | 1 9 | 24 31 | 1 6 | 24 3 | 0 15 | 2 12 | 0 42 | 12 21 | 1 40 | 25 18 | 17 17 | 19 10 | 18 54 | 0 12 | | n.a. |
| S 26 | 23 28 | 21 8 | 2 41 | | 21 21 | 2 34 | 19 25 | 2 12 | 3 29 | 1 9 | 24 32 | 1 6 | 24 3 | 0 15 | 2 12 | 0 42 | 12 22 | 1 40 | 25 19 | 17 18 | 19 9 | 18 53 | 0 10 | | n.a. |
| M27 | 23 33 | 20 2 | 3 38 | | 21 5 | 2 50 | 19 10 | 2 24 | 3 38 | 1 10 | 24 33 | 1 6 | 24 3 | 0 15 | 2 11 | 0 42 | 12 22 | 1 40 | 25 19 | 17 19 | 19 8 | 18 52 | 0 7 | | n.a. |
| T 28 | 23 37 | 17 55 | 4 23 | | 20 50 | 3 5 | 18 55 | 2 37 | 3 46 | 1 11 | 24 33 | 1 7 | 24 3 | 0 16 | 2 11 | 0 42 | 12 23 | 1 40 | 25 20 | 17 19 | 19 7 | 18 51 | 0 5 | | n.a. |
| W29 | 23 41 | 15 0 | 4 54 | | 20 35 | 3 18 | 18 40 | 2 50 | 3 55 | 1 11 | 24 34 | 1 7 | 24 3 | 0 16 | 2 10 | 0 42 | 12 23 | 1 40 | 25 20 | 17 20 | 19 6 | 18 50 | 0 3 | | n.a. |
| T 30 | 23 45 | 11 28 | 5 10 | | 20 22 | 3 29 | 18 25 | 3 3 | 4 4 | 1 12 | 24 35 | 1 7 | 24 3 | 0 16 | 2 10 | 0 42 | 12 24 | 1 40 | 25 21 | 17 20 | 19 5 | 18 50 | 0 0 | | n.a. |
| F 31 | 23s48 | 7s32 | 5n12 | | 20s11 | 3n38 | 18s11 | 3n17 | 4n13 | 1n13 | 24n36 | 1n 7 | 24n 2 | 0n16 | 2n10 | 0n42 | 12s25 | 1n40 | 25n22 | 17n21 | 19s 4 | 18s49 | 0n 2 | | n.a. |

Julian Day Number = 1001484.5, Delta T = 12h50m39s
Ecliptic obliquity = 23°55'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'57, Lahiri = -31°07'57 Julian Calendar 1 Dec. 1972 BCE == Greg. Calendar 14 Nov. 1972 BCE

The year -1971 astronomical counting style corresponds to year 1972 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## JANUARY 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 34 49 | 25♐16'53 | 9♓59 | 23°R27 | 25♑55 | 8♈ 3 | 10°R33 | 23°R50 | 26♍16 | 6♏36 | 6°R16 | 23°R37 | 22♏38 | 19♓46 | n.a. | S 1 |
| S 2 | 5 38 46 | 26°17'26 | 21°51 | 22♐19 | 25°R58 | 8°25 | 10♋25 | 23♊46 | 26°17 | 6°38 | 6♍16 | 23°D36 | 22°35 | 19°53 | n.a. | S 2 |
| M 3 | 5 42 42 | 27°17'57 | 3♈43 | 21°12 | 25°57 | 8°47 | 10°18 | 23°41 | 26°18 | 6°40 | 6°16 | 23♏36 | 22°32 | 19°59 | n.a. | M 3 |
| T 4 | 5 46 39 | 28°18'25 | 15°38 | 20° 9 | 25°54 | 9°10 | 10°10 | 23°36 | 26°18 | 6°41 | 6°15 | 23°37 | 22°29 | 20° 6 | n.a. | T 4 |
| W 5 | 5 50 35 | 29°18'52 | 27°43 | 19°11 | 25°49 | 9°32 | 10° 3 | 23°31 | 26°19 | 6°43 | 6°15 | 23°39 | 22°25 | 20°13 | n.a. | W 5 |
| T 6 | 5 54 32 | 0♑19'17 | 10♉ 2 | 18°19 | 25°41 | 9°55 | 9°55 | 23°26 | 26°20 | 6°44 | 6°15 | 23°41 | 22°22 | 20°20 | n.a. | T 6 |
| F 7 | 5 58 28 | 1°19'39 | 22°38 | 17°33 | 25°31 | 10°19 | 9°48 | 23°21 | 26°20 | 6°46 | 6°14 | 23°R41 | 22°19 | 20°26 | n.a. | F 7 |
| S 8 | 6 2 25 | 2°20'00 | 5♊35 | 16°55 | 25°17 | 10°42 | 9°40 | 23°17 | 26°21 | 6°47 | 6°14 | 23°41 | 22°16 | 20°33 | n.a. | S 8 |
| S 9 | 6 6 21 | 3°20'18 | 18°54 | 16°23 | 25° 2 | 11° 6 | 9°32 | 23°12 | 26°21 | 6°49 | 6°13 | 23°38 | 22°13 | 20°40 | n.a. | S 9 |
| M10 | 6 10 18 | 4°20'35 | 2♋35 | 16° 0 | 24°44 | 11°30 | 9°24 | 23° 7 | 26°22 | 6°50 | 6°13 | 23°34 | 22°10 | 20°46 | n.a. | M10 |
| T 11 | 6 14 15 | 5°20'49 | 16°34 | 15°43 | 24°23 | 11°55 | 9°16 | 23° 3 | 26°22 | 6°52 | 6°12 | 23°28 | 22° 6 | 20°53 | n.a. | T 11 |
| W12 | 6 18 11 | 6°21'02 | 0♌48 | 15°34 | 24° 0 | 12°19 | 9° 9 | 22°58 | 26°22 | 6°53 | 6°11 | 23°21 | 22° 3 | 21° 0 | n.a. | W12 |
| T 13 | 6 22 8 | 7°21'13 | 15°11 | 15°D32 | 23°35 | 12°44 | 9° 1 | 22°53 | 26°22 | 6°54 | 6°11 | 23°14 | 22° 0 | 21° 7 | n.a. | T 13 |
| F 14 | 6 26 4 | 8°21'21 | 29°37 | 15°36 | 23° 8 | 13°10 | 8°53 | 22°49 | 26°23 | 6°56 | 6°10 | 23° 8 | 21°57 | 21°13 | n.a. | F 14 |
| S 15 | 6 30 1 | 9°21'28 | 14♍ 2 | 15°46 | 22°39 | 13°35 | 8°45 | 22°44 | 26°23 | 6°57 | 6°10 | 23° 3 | 21°54 | 21°20 | n.a. | S 15 |
| S 16 | 6 33 57 | 10°21'34 | 28°20 | 16° 3 | 22° 8 | 14° 1 | 8°37 | 22°40 | 26°23 | 6°58 | 6° 9 | 23° 0 | 21°51 | 21°27 | n.a. | S 16 |
| M17 | 6 37 54 | 11°21'37 | 12♎29 | 16°24 | 21°35 | 14°27 | 8°29 | 22°35 | 26°R23 | 6°59 | 6° 8 | 23°D 0 | 21°47 | 21°33 | n.a. | M17 |
| T 18 | 6 41 50 | 12°21'39 | 26°27 | 16°51 | 21° 1 | 14°53 | 8°21 | 22°31 | 26°23 | 7° 1 | 6° 7 | 23° 0 | 21°44 | 21°40 | n.a. | T 18 |
| W19 | 6 45 47 | 13°21'39 | 10♏15 | 17°23 | 20°26 | 15°19 | 8°14 | 22°26 | 26°23 | 7° 2 | 6° 6 | 23° 1 | 21°41 | 21°47 | n.a. | W19 |
| T 20 | 6 49 44 | 14°21'37 | 23°52 | 17°59 | 19°49 | 15°46 | 8° 6 | 22°22 | 26°22 | 7° 3 | 6° 6 | 23°R 2 | 21°38 | 21°53 | n.a. | T 20 |
| F 21 | 6 53 40 | 15°21'34 | 7♐18 | 18°40 | 19°12 | 16°12 | 7°58 | 22°18 | 26°22 | 7° 4 | 6° 5 | 23° 1 | 21°35 | 22° 0 | n.a. | F 21 |
| S 22 | 6 57 37 | 16°21'28 | 20°34 | 19°24 | 18°35 | 16°39 | 7°50 | 22°13 | 26°22 | 7° 5 | 6° 4 | 22°58 | 21°31 | 22° 7 | n.a. | S 22 |
| S 23 | 7 1 33 | 17°21'20 | 3♑38 | 20°11 | 17°57 | 17° 6 | 7°43 | 22° 9 | 26°22 | 7° 6 | 6° 3 | 22°52 | 21°28 | 22°14 | n.a. | S 23 |
| M24 | 7 5 30 | 18°21'11 | 16°31 | 21° 3 | 17°19 | 17°34 | 7°35 | 22° 5 | 26°21 | 7° 7 | 6° 2 | 22°44 | 21°25 | 22°20 | n.a. | M24 |
| T 25 | 7 9 26 | 19°20'59 | 29°11 | 21°57 | 16°41 | 18° 1 | 7°27 | 22° 1 | 26°21 | 7° 8 | 6° 1 | 22°34 | 21°22 | 22°27 | n.a. | T 25 |
| W26 | 7 13 23 | 20°20'45 | 11♒38 | 22°54 | 16° 4 | 18°29 | 7°20 | 21°57 | 26°20 | 7° 9 | 6° 0 | 22°22 | 21°19 | 22°34 | n.a. | W26 |
| T 27 | 7 17 19 | 21°20'29 | 23°54 | 23°54 | 15°27 | 18°57 | 7°12 | 21°53 | 26°20 | 7°10 | 5°59 | 22°11 | 21°16 | 22°40 | n.a. | T 27 |
| F 28 | 7 21 16 | 22°20'10 | 5♓59 | 24°56 | 14°52 | 19°25 | 7° 5 | 21°49 | 26°19 | 7°11 | 5°58 | 22° 2 | 21°12 | 22°47 | n.a. | F 28 |
| S 29 | 7 25 12 | 23°19'49 | 17°55 | 26° 1 | 14°17 | 19°54 | 6°58 | 21°46 | 26°19 | 7°12 | 5°57 | 21°54 | 21° 9 | 22°54 | n.a. | S 29 |
| S 30 | 7 29 9 | 24°19'25 | 29°46 | 27° 9 | 13°44 | 20°22 | 6°50 | 21°42 | 26°18 | 7°13 | 5°56 | 21°48 | 21° 6 | 23° 1 | n.a. | S 30 |
| M31 | 7 33 6 | 25♑18'59 | 11♈36 | 28♐18 | 13♑13 | 20♈51 | 6♋43 | 21♊38 | 26♍17 | 7♏14 | 5♍55 | 21♏45 | 21♏ 3 | 23♓ 7 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23s50 | 3s21 | 5n 0 | 20s 1 | 3n44 | 17s57 | 3n30 | 4n22 | 1n13 | 24n37 | 1n 7 | 24n 2 | 0n16 | 2n 9 | 0n42 | 12s25 | 1n40 | 25n22 | 17n21 | 19s 3 | 18s48 | 0n 4 | | n.a. |
| S 2 | 23 52 | 0n55 | 4 36 | 19 53 | 3 49 | 17 43 | 3 44 | 4 32 | 1 14 | 24 37 | 1 8 | 24 2 | 0 16 | 2 9 | 0 42 | 12 26 | 1 40 | 25 23 | 17 22 | 19 3 | 18 47 | 0 6 | | n.a. |
| M 3 | 23 53 | 5 9 | 4 0 | 19 47 | 3 51 | 17 29 | 3 58 | 4 41 | 1 14 | 24 38 | 1 8 | 24 2 | 0 16 | 2 9 | 0 42 | 12 26 | 1 40 | 25 23 | 17 23 | 19 3 | 18 46 | 0 9 | | n.a. |
| T 4 | 23 54 | 9 14 | 3 13 | 19 43 | 3 51 | 17 16 | 4 12 | 4 51 | 1 15 | 24 39 | 1 8 | 24 2 | 0 16 | 2 8 | 0 42 | 12 27 | 1 40 | 25 24 | 17 23 | 19 3 | 18 45 | 0 11 | | n.a. |
| W 5 | 23 55 | 13 0 | 2 17 | 19 41 | 3 48 | 17 3 | 4 26 | 5 0 | 1 16 | 24 40 | 1 8 | 24 2 | 0 16 | 2 8 | 0 42 | 12 27 | 1 40 | 25 25 | 17 24 | 19 4 | 18 45 | 0 13 | | n.a. |
| T 6 | 23 55 | 16 17 | 1 14 | 19 40 | 3 44 | 16 51 | 4 40 | 5 10 | 1 16 | 24 41 | 1 8 | 24 2 | 0 17 | 2 8 | 0 42 | 12 28 | 1 40 | 25 25 | 17 24 | 19 4 | 18 44 | 0 16 | | n.a. |
| F 7 | 23 55 | 18 54 | 0 6 | 19 42 | 3 39 | 16 39 | 4 54 | 5 20 | 1 17 | 24 41 | 1 8 | 24 2 | 0 17 | 2 8 | 0 42 | 12 28 | 1 40 | 25 26 | 17 25 | 19 4 | 18 43 | 0 18 | | n.a. |
| S 8 | 23 54 | 20 37 | 1s 4 | 19 45 | 3 31 | 16 28 | 5 8 | 5 30 | 1 17 | 24 42 | 1 9 | 24 1 | 0 17 | 2 8 | 0 42 | 12 28 | 1 40 | 25 27 | 17 25 | 19 4 | 18 42 | 0 20 | | n.a. |
| S 9 | 23 53 | 21 14 | 2 13 | 19 50 | 3 23 | 16 17 | 5 22 | 5 40 | 1 18 | 24 43 | 1 9 | 24 1 | 0 17 | 2 7 | 0 42 | 12 29 | 1 40 | 25 27 | 17 26 | 19 3 | 18 41 | 0 23 | | n.a. |
| M10 | 23 51 | 20 38 | 3 15 | 19 57 | 3 14 | 16 7 | 5 35 | 5 50 | 1 18 | 24 43 | 1 9 | 24 1 | 0 17 | 2 7 | 0 42 | 12 29 | 1 40 | 25 28 | 17 26 | 19 2 | 18 40 | 0 25 | | n.a. |
| T 11 | 23 49 | 18 47 | 4 7 | 20 6 | 3 4 | 15 57 | 5 49 | 6 0 | 1 18 | 24 44 | 1 9 | 24 1 | 0 17 | 2 7 | 0 43 | 12 30 | 1 41 | 25 29 | 17 27 | 19 1 | 18 40 | 0 27 | | n.a. |
| W12 | 23 46 | 15 45 | 4 45 | 20 15 | 2 53 | 15 48 | 6 2 | 6 10 | 1 19 | 24 45 | 1 9 | 24 1 | 0 17 | 2 7 | 0 43 | 12 30 | 1 41 | 25 29 | 17 27 | 18 59 | 18 39 | 0 29 | | n.a. |
| T 13 | 23 43 | 11 45 | 5 5 | 20 26 | 2 42 | 15 40 | 6 15 | 6 21 | 1 19 | 24 46 | 1 9 | 24 1 | 0 17 | 2 7 | 0 43 | 12 31 | 1 41 | 25 30 | 17 28 | 18 57 | 18 38 | 0 32 | | n.a. |
| F 14 | 23 39 | 7 3 | 5 7 | 20 38 | 2 30 | 15 32 | 6 27 | 6 31 | 1 20 | 24 46 | 1 10 | 24 0 | 0 17 | 2 7 | 0 43 | 12 31 | 1 41 | 25 31 | 17 28 | 18 56 | 18 37 | 0 34 | | n.a. |
| S 15 | 23 35 | 1 59 | 4 48 | 20 51 | 2 18 | 15 25 | 6 39 | 6 41 | 1 20 | 24 47 | 1 10 | 24 0 | 0 17 | 2 7 | 0 43 | 12 31 | 1 41 | 25 32 | 17 29 | 18 54 | 18 36 | 0 36 | | n.a. |
| S 16 | 23 30 | 3s10 | 4 12 | 21 5 | 2 6 | 15 18 | 6 51 | 6 52 | 1 21 | 24 48 | 1 10 | 24 0 | 0 18 | 2 7 | 0 43 | 12 32 | 1 41 | 25 32 | 17 29 | 18 54 | 18 35 | 0 39 | | n.a. |
| M17 | 23 25 | 8 6 | 3 21 | 21 19 | 1 54 | 15 13 | 7 1 | 7 3 | 1 21 | 24 48 | 1 10 | 24 0 | 0 18 | 2 7 | 0 43 | 12 32 | 1 41 | 25 33 | 17 30 | 18 54 | 18 35 | 0 41 | | n.a. |
| T 18 | 23 20 | 12 33 | 2 18 | 21 34 | 1 42 | 15 8 | 7 12 | 7 13 | 1 21 | 24 49 | 1 10 | 24 0 | 0 18 | 2 7 | 0 43 | 12 33 | 1 41 | 25 34 | 17 30 | 18 54 | 18 34 | 0 43 | | n.a. |
| W19 | 23 14 | 16 16 | 1 8 | 21 49 | 1 30 | 15 4 | 7 21 | 7 24 | 1 22 | 24 49 | 1 10 | 24 0 | 0 18 | 2 7 | 0 43 | 12 33 | 1 41 | 25 34 | 17 31 | 18 54 | 18 33 | 0 45 | | n.a. |
| T 20 | 23 8 | 19 2 | 0n 4 | 22 4 | 1 18 | 15 0 | 7 30 | 7 35 | 1 22 | 24 50 | 1 10 | 24 0 | 0 18 | 2 7 | 0 43 | 12 33 | 1 41 | 25 35 | 17 31 | 18 54 | 18 32 | 0 48 | | n.a. |
| F 21 | 23 1 | 20 43 | 1 16 | 22 19 | 1 7 | 14 57 | 7 38 | 7 46 | 1 22 | 24 51 | 1 10 | 23 59 | 0 18 | 2 7 | 0 43 | 12 34 | 1 41 | 25 36 | 17 32 | 18 54 | 18 31 | 0 50 | | n.a. |
| S 22 | 22 54 | 21 13 | 2 22 | 22 34 | 0 55 | 14 55 | 7 45 | 7 56 | 1 23 | 24 51 | 1 10 | 23 59 | 0 18 | 2 8 | 0 43 | 12 34 | 1 41 | 25 37 | 17 32 | 18 53 | 18 30 | 0 52 | | n.a. |
| S 23 | 22 46 | 20 32 | 3 20 | 22 49 | 0 44 | 14 54 | 7 52 | 8 7 | 1 23 | 24 52 | 1 10 | 23 59 | 0 18 | 2 8 | 0 43 | 12 34 | 1 41 | 25 38 | 17 33 | 18 52 | 18 30 | 0 54 | | n.a. |
| M24 | 22 38 | 18 48 | 4 6 | 23 4 | 0 33 | 14 53 | 7 57 | 8 18 | 1 23 | 24 52 | 1 11 | 23 59 | 0 18 | 2 8 | 0 43 | 12 34 | 1 41 | 25 38 | 17 33 | 18 49 | 18 29 | 0 57 | | n.a. |
| T 25 | 22 29 | 16 10 | 4 40 | 23 18 | 0 22 | 14 53 | 8 1 | 8 29 | 1 24 | 24 53 | 1 11 | 23 59 | 0 18 | 2 8 | 0 43 | 12 35 | 1 41 | 25 39 | 17 34 | 18 47 | 18 28 | 0 59 | | n.a. |
| W26 | 22 21 | 12 51 | 4 59 | 23 32 | 0 12 | 14 54 | 8 5 | 8 40 | 1 24 | 24 53 | 1 11 | 23 59 | 0 18 | 2 8 | 0 43 | 12 35 | 1 41 | 25 40 | 17 34 | 18 44 | 18 27 | 1 1 | | n.a. |
| T 27 | 22 11 | 9 3 | 5 4 | 23 45 | 0 2 | 14 56 | 8 8 | 8 52 | 1 24 | 24 54 | 1 11 | 23 58 | 0 19 | 2 9 | 0 43 | 12 35 | 1 41 | 25 41 | 17 34 | 18 41 | 18 26 | 1 4 | | n.a. |
| F 28 | 22 2 | 4 56 | 4 55 | 23 57 | 0s 8 | 14 58 | 8 9 | 9 3 | 1 24 | 24 54 | 1 11 | 23 58 | 0 19 | 2 9 | 0 43 | 12 36 | 1 41 | 25 42 | 17 35 | 18 38 | 18 25 | 1 6 | | n.a. |
| S 29 | 21 51 | 0 41 | 4 34 | 24 9 | 0 17 | 15 1 | 8 10 | 9 14 | 1 25 | 24 55 | 1 11 | 23 58 | 0 19 | 2 9 | 0 43 | 12 36 | 1 41 | 25 42 | 17 35 | 18 36 | 18 24 | 1 8 | | n.a. |
| S 30 | 21 41 | 3n34 | 4 1 | 24 20 | 0 27 | 15 4 | 8 10 | 9 25 | 1 25 | 24 55 | 1 11 | 23 58 | 0 19 | 2 9 | 0 43 | 12 36 | 1 41 | 25 43 | 17 36 | 18 35 | 18 24 | 1 10 | | n.a. |
| M31 | 21s30 | 7n41 | 3n17 | 24s30 | 0s36 | 15s 8 | 8n 9 | 9n36 | 1n25 | 24n56 | 1n11 | 23n58 | 0n19 | 2n10 | 0n43 | 12s36 | 1n41 | 25n44 | 17n36 | 18s34 | 18s23 | 1n13 | | n.a. |

Julian Day Number = 1001515.5, Delta T = 12h50m37s
Ecliptic obliquity = 23°55'10, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'53, Lahiri = -31°07'53 Julian Calendar 1 Jan. 1971 BCE == Greg. Calendar 15 Dec. 1972 BCE

The year -1970 astronomical counting style corresponds to year 1971 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## FEBRUARY 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 37 2 | 26♉18'31 | 23♈30 | 29♐30 | 12°R43 | 21♈20 | 6°R36 | 21°R35 | 26°R16 | 7♏14 | 5°R53 | 21°D44 | 21♏ 0 | 23♓14 | n.a. | T 1 |
| W 2 | 7 40 59 | 27°18'00 | 5♉32 | 0♉43 | 12♉15 | 21°49 | 6♋29 | 21♊31 | 26♍16 | 7°15 | 5♍52 | 21♏44 | 20°56 | 23°21 | n.a. | W 2 |
| T 3 | 7 44 55 | 28°17'26 | 17°49 | 1°59 | 11°50 | 22°18 | 6°22 | 21°28 | 26°15 | 7°16 | 5°51 | 21°R44 | 20°53 | 23°27 | n.a. | T 3 |
| F 4 | 7 48 52 | 29°16'51 | 0♊25 | 3°16 | 11°26 | 22°47 | 6°15 | 21°25 | 26°14 | 7°17 | 5°50 | 21°44 | 20°50 | 23°34 | n.a. | F 4 |
| S 5 | 7 52 48 | 0♒16'13 | 13°25 | 4°35 | 11° 5 | 23°16 | 6° 9 | 21°21 | 26°13 | 7°17 | 5°48 | 21°42 | 20°47 | 23°41 | n.a. | S 5 |
| S 6 | 7 56 45 | 1°15'32 | 26°52 | 5°56 | 10°46 | 23°46 | 6° 2 | 21°18 | 26°12 | 7°18 | 5°47 | 21°38 | 20°44 | 23°47 | n.a. | S 6 |
| M 7 | 8 0 41 | 2°14'49 | 10♋45 | 7°18 | 10°29 | 24°16 | 5°56 | 21°15 | 26°11 | 7°18 | 5°46 | 21°31 | 20°41 | 23°54 | n.a. | M 7 |
| T 8 | 8 4 38 | 3°14'04 | 25° 3 | 8°42 | 10°15 | 24°45 | 5°50 | 21°12 | 26° 9 | 7°19 | 5°45 | 21°22 | 20°37 | 24° 1 | n.a. | T 8 |
| W 9 | 8 8 35 | 4°13'16 | 9♌41 | 10° 8 | 10° 3 | 25°15 | 5°43 | 21° 9 | 26° 8 | 7°20 | 5°43 | 21°11 | 20°34 | 24° 8 | n.a. | W 9 |
| T 10 | 8 12 31 | 5°12'26 | 24°31 | 11°35 | 9°54 | 25°46 | 5°37 | 21° 6 | 26° 7 | 7°20 | 5°42 | 21° 0 | 20°31 | 24°14 | n.a. | T 10 |
| F 11 | 8 16 28 | 6°11'34 | 9♍25 | 13° 3 | 9°48 | 26°16 | 5°31 | 21° 4 | 26° 6 | 7°21 | 5°40 | 20°50 | 20°28 | 24°21 | n.a. | F 11 |
| S 12 | 8 20 24 | 7°10'40 | 24°13 | 14°33 | 9°43 | 26°46 | 5°26 | 21° 1 | 26° 4 | 7°21 | 5°39 | 20°42 | 20°25 | 24°28 | n.a. | S 12 |
| S 13 | 8 24 21 | 8° 9'44 | 8♎49 | 16° 5 | 9°D42 | 27°17 | 5°20 | 20°59 | 26° 3 | 7°21 | 5°38 | 20°37 | 20°22 | 24°34 | n.a. | S 13 |
| M14 | 8 28 17 | 9° 8'46 | 23° 8 | 17°38 | 9°42 | 27°47 | 5°14 | 20°56 | 26° 2 | 7°22 | 5°36 | 20°34 | 20°18 | 24°41 | n.a. | M14 |
| T 15 | 8 32 14 | 10° 7'46 | 7♏ 9 | 19°13 | 9°45 | 28°18 | 5° 9 | 20°54 | 26° 0 | 7°22 | 5°35 | 20°D34 | 20°15 | 24°48 | n.a. | T 15 |
| W16 | 8 36 10 | 11° 6'44 | 20°50 | 20°49 | 9°51 | 28°49 | 5° 4 | 20°52 | 25°59 | 7°22 | 5°33 | 20°R34 | 20°12 | 24°54 | n.a. | W16 |
| T 17 | 8 40 7 | 12° 5'40 | 4♐15 | 22°26 | 9°58 | 29°20 | 4°59 | 20°49 | 25°57 | 7°23 | 5°32 | 20°33 | 20° 9 | 25° 1 | n.a. | T 17 |
| F 18 | 8 44 3 | 13° 4'35 | 17°24 | 24° 5 | 10° 8 | 29°51 | 4°54 | 20°47 | 25°56 | 7°23 | 5°30 | 20°31 | 20° 6 | 25° 8 | n.a. | F 18 |
| S 19 | 8 48 0 | 14° 3'28 | 0♉20 | 25°45 | 10°20 | 0♉22 | 4°49 | 20°45 | 25°54 | 7°23 | 5°29 | 20°26 | 20° 2 | 25°15 | n.a. | S 19 |
| S 20 | 8 51 57 | 15° 2'18 | 13° 4 | 27°27 | 10°34 | 0°53 | 4°44 | 20°44 | 25°52 | 7°23 | 5°27 | 20°19 | 19°59 | 25°21 | n.a. | S 20 |
| M21 | 8 55 53 | 16° 1'07 | 25°38 | 29°10 | 10°50 | 1°25 | 4°40 | 20°42 | 25°51 | 7°23 | 5°26 | 20° 8 | 19°56 | 25°28 | n.a. | M21 |
| T 22 | 8 59 50 | 16°59'53 | 8♒ 2 | 0♒55 | 11° 8 | 1°56 | 4°36 | 20°40 | 25°49 | 7°23 | 5°24 | 19°55 | 19°53 | 25°35 | n.a. | T 22 |
| W23 | 9 3 46 | 17°58'37 | 20°17 | 2°41 | 11°28 | 2°28 | 4°31 | 20°39 | 25°47 | 7°23 | 5°22 | 19°41 | 19°50 | 25°41 | n.a. | W23 |
| T 24 | 9 7 43 | 18°57'20 | 2♓23 | 4°29 | 11°50 | 3° 0 | 4°27 | 20°37 | 25°45 | 7°R23 | 5°21 | 19°27 | 19°47 | 25°48 | n.a. | T 24 |
| F 25 | 9 11 39 | 19°55'59 | 14°22 | 6°18 | 12°13 | 3°31 | 4°24 | 20°36 | 25°44 | 7°23 | 5°19 | 19°14 | 19°43 | 25°55 | n.a. | F 25 |
| S 26 | 9 15 36 | 20°54'37 | 26°15 | 8° 9 | 12°38 | 4° 3 | 4°20 | 20°35 | 25°42 | 7°23 | 5°18 | 19° 3 | 19°40 | 26° 1 | n.a. | S 26 |
| S 27 | 9 19 32 | 21°53'13 | 8♈ 4 | 10° 1 | 13° 5 | 4°35 | 4°17 | 20°33 | 25°40 | 7°23 | 5°16 | 18°55 | 19°37 | 26° 8 | n.a. | S 27 |
| M28 | 9 23 29 | 22♒51'46 | 19♈53 | 11♒55 | 13♉33 | 5♉ 7 | 4♋13 | 20♊32 | 25♍38 | 7♏23 | 5♍14 | 18♏50 | 19♏34 | 26♓15 | n.a. | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s19 | 11n32 | 2n25 | 24s39 | 0s44 | 15s13 | 8n 7 | 9n48 | 1n25 | 24n56 | 1n11 | 23n58 | 0n19 | 2n10 | 0n43 | 12s37 | 1n41 | 25n45 | 17n36 | 18s34 | 18s22 | 1n15 | | n.a. |
| W 2 | 21 7 | 14 58 | 1 25 | 24 47 | 0 52 | 15 18 | 8 5 | 9 59 | 1 26 | 24 56 | 1 11 | 23 58 | 0 19 | 2 10 | 0 43 | 12 37 | 1 42 | 25 46 | 17 37 | 18 34 | 18 21 | 1 17 | | n.a. |
| T 3 | 20 55 | 17 49 | 0 21 | 24 54 | 1 0 | 15 23 | 8 2 | 10 10 | 1 26 | 24 57 | 1 11 | 23 57 | 0 19 | 2 11 | 0 43 | 12 37 | 1 42 | 25 46 | 17 37 | 18 34 | 18 20 | 1 19 | | n.a. |
| F 4 | 20 43 | 19 54 | 0s46 | 25 0 | 1 7 | 15 29 | 7 58 | 10 22 | 1 26 | 24 57 | 1 11 | 23 57 | 0 19 | 2 11 | 0 43 | 12 37 | 1 42 | 25 47 | 17 38 | 18 34 | 18 19 | 1 22 | | n.a. |
| S 5 | 20 30 | 21 0 | 1 53 | 25 5 | 1 14 | 15 36 | 7 53 | 10 33 | 1 26 | 24 57 | 1 11 | 23 57 | 0 19 | 2 12 | 0 43 | 12 37 | 1 42 | 25 48 | 17 38 | 18 33 | 18 18 | 1 24 | | n.a. |
| S 6 | 20 17 | 20 58 | 2 55 | 25 8 | 1 21 | 15 42 | 7 48 | 10 44 | 1 26 | 24 58 | 1 11 | 23 57 | 0 19 | 2 12 | 0 43 | 12 37 | 1 42 | 25 49 | 17 38 | 18 32 | 18 18 | 1 26 | | n.a. |
| M 7 | 20 3 | 19 40 | 3 49 | 25 10 | 1 27 | 15 49 | 7 42 | 10 56 | 1 27 | 24 58 | 1 11 | 23 57 | 0 19 | 2 13 | 0 43 | 12 38 | 1 42 | 25 50 | 17 39 | 18 30 | 18 17 | 1 28 | | n.a. |
| T 8 | 19 49 | 17 7 | 4 31 | 25 11 | 1 33 | 15 57 | 7 35 | 11 7 | 1 27 | 24 58 | 1 11 | 23 57 | 0 20 | 2 13 | 0 43 | 12 38 | 1 42 | 25 50 | 17 39 | 18 28 | 18 16 | 1 31 | | n.a. |
| W 9 | 19 35 | 13 26 | 4 56 | 25 10 | 1 39 | 16 5 | 7 29 | 11 18 | 1 27 | 24 59 | 1 11 | 23 57 | 0 20 | 2 14 | 0 43 | 12 38 | 1 42 | 25 51 | 17 39 | 18 25 | 18 15 | 1 33 | | n.a. |
| T 10 | 19 21 | 8 53 | 5 1 | 25 8 | 1 44 | 16 12 | 7 21 | 11 30 | 1 27 | 24 59 | 1 11 | 23 57 | 0 20 | 2 14 | 0 43 | 12 38 | 1 42 | 25 52 | 17 40 | 18 22 | 18 14 | 1 35 | | n.a. |
| F 11 | 19 6 | 3 48 | 4 46 | 25 4 | 1 48 | 16 21 | 7 14 | 11 41 | 1 27 | 24 59 | 1 11 | 23 56 | 0 20 | 2 15 | 0 43 | 12 38 | 1 42 | 25 53 | 17 40 | 18 19 | 18 13 | 1 37 | | n.a. |
| S 12 | 18 51 | 1s30 | 4 12 | 24 58 | 1 53 | 16 29 | 7 6 | 11 53 | 1 27 | 24 59 | 1 11 | 23 56 | 0 20 | 2 15 | 0 44 | 12 38 | 1 42 | 25 54 | 17 40 | 18 17 | 18 12 | 1 40 | | n.a. |
| S 13 | 18 35 | 6 38 | 3 22 | 24 51 | 1 57 | 16 37 | 6 57 | 12 4 | 1 28 | 25 0 | 1 11 | 23 56 | 0 20 | 2 16 | 0 44 | 12 38 | 1 42 | 25 55 | 17 40 | 18 16 | 18 12 | 1 42 | | n.a. |
| M14 | 18 20 | 11 19 | 2 20 | 24 43 | 2 0 | 16 46 | 6 49 | 12 15 | 1 28 | 25 0 | 1 11 | 23 56 | 0 20 | 2 16 | 0 44 | 12 38 | 1 42 | 25 55 | 17 41 | 18 15 | 18 11 | 1 44 | | n.a. |
| T 15 | 18 4 | 15 17 | 1 10 | 24 32 | 2 3 | 16 54 | 6 40 | 12 27 | 1 28 | 25 0 | 1 11 | 23 56 | 0 20 | 2 17 | 0 44 | 12 38 | 1 42 | 25 56 | 17 41 | 18 15 | 18 10 | 1 46 | | n.a. |
| W16 | 17 47 | 18 18 | 0n 1 | 24 20 | 2 5 | 17 3 | 6 31 | 12 38 | 1 28 | 25 0 | 1 11 | 23 56 | 0 20 | 2 18 | 0 44 | 12 38 | 1 42 | 25 57 | 17 41 | 18 15 | 18 9 | 1 49 | | n.a. |
| T 17 | 17 31 | 20 15 | 1 12 | 24 6 | 2 7 | 17 11 | 6 22 | 12 49 | 1 28 | 25 0 | 1 11 | 23 56 | 0 20 | 2 18 | 0 44 | 12 38 | 1 42 | 25 58 | 17 41 | 18 15 | 18 8 | 1 51 | | n.a. |
| F 18 | 17 14 | 21 2 | 2 17 | 23 50 | 2 9 | 17 20 | 6 13 | 13 1 | 1 28 | 25 0 | 1 11 | 23 56 | 0 20 | 2 19 | 0 44 | 12 38 | 1 42 | 25 59 | 17 42 | 18 14 | 18 7 | 1 53 | | n.a. |
| S 19 | 16 56 | 20 42 | 3 14 | 23 33 | 2 10 | 17 28 | 6 3 | 13 12 | 1 28 | 25 1 | 1 11 | 23 56 | 0 20 | 2 20 | 0 44 | 12 38 | 1 42 | 25 59 | 17 42 | 18 13 | 18 6 | 1 55 | | n.a. |
| S 20 | 16 39 | 19 17 | 4 0 | 23 13 | 2 11 | 17 37 | 5 54 | 13 23 | 1 28 | 25 1 | 1 11 | 23 56 | 0 20 | 2 20 | 0 44 | 12 38 | 1 42 | 26 0 | 17 42 | 18 11 | 18 6 | 1 58 | | n.a. |
| M21 | 16 21 | 16 58 | 4 33 | 22 52 | 2 11 | 17 45 | 5 44 | 13 35 | 1 28 | 25 1 | 1 11 | 23 56 | 0 21 | 2 21 | 0 44 | 12 38 | 1 42 | 26 1 | 17 42 | 18 8 | 18 5 | 2 0 | | n.a. |
| T 22 | 16 3 | 13 54 | 4 53 | 22 29 | 2 11 | 17 53 | 5 34 | 13 46 | 1 29 | 25 1 | 1 11 | 23 56 | 0 21 | 2 22 | 0 44 | 12 38 | 1 43 | 26 2 | 17 43 | 18 4 | 18 4 | 2 2 | | n.a. |
| W23 | 15 45 | 10 17 | 5 0 | 22 3 | 2 10 | 18 1 | 5 25 | 13 57 | 1 29 | 25 1 | 1 11 | 23 56 | 0 21 | 2 22 | 0 44 | 12 38 | 1 43 | 26 3 | 17 43 | 18 0 | 18 3 | 2 4 | | n.a. |
| T 24 | 15 26 | 6 18 | 4 52 | 21 36 | 2 8 | 18 9 | 5 15 | 14 8 | 1 29 | 25 1 | 1 11 | 23 56 | 0 21 | 2 23 | 0 44 | 12 38 | 1 43 | 26 3 | 17 43 | 17 57 | 18 2 | 2 6 | | n.a. |
| F 25 | 15 8 | 2 6 | 4 32 | 21 6 | 2 6 | 18 17 | 5 5 | 14 20 | 1 29 | 25 1 | 1 11 | 23 55 | 0 21 | 2 24 | 0 44 | 12 38 | 1 43 | 26 4 | 17 43 | 17 53 | 18 1 | 2 9 | | n.a. |
| S 26 | 14 49 | 2n 8 | 4 0 | 20 35 | 2 4 | 18 24 | 4 56 | 14 31 | 1 29 | 25 1 | 1 10 | 23 55 | 0 21 | 2 25 | 0 44 | 12 38 | 1 43 | 26 5 | 17 43 | 17 50 | 18 0 | 2 11 | | n.a. |
| S 27 | 14 30 | 6 16 | 3 17 | 20 1 | 2 1 | 18 31 | 4 46 | 14 42 | 1 29 | 25 1 | 1 10 | 23 55 | 0 21 | 2 26 | 0 44 | 12 38 | 1 43 | 26 6 | 17 43 | 17 48 | 17 59 | 2 13 | | n.a. |
| M28 | 14s10 | 10n11 | 2n27 | 19s26 | 1s57 | 18s38 | 4n37 | 14n53 | 1n29 | 25n 1 | 1n10 | 23n55 | 0n21 | 2n26 | 0n44 | 12s38 | 1n43 | 26n 6 | 17n44 | 17s46 | 17s59 | 2n15 | | n.a. |

Julian Day Number = 1001546.5, Delta T = 12h50m35s
Ecliptic obliquity = 23°55'10, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'49, Lahiri = -31°07'49 Julian Calendar 1 Feb. 1971 BCE == Greg. Calendar 15 Jan. 1971 BCE


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## MARCH 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 27 25 | 23♒50'16 | 1♉45 | 13♒50 | 14♉ 3 | 5♉40 | 4°R10 | 20°R32 | 25°R36 | 7°R23 | 5°R13 | 18°R47 | 19♏31 | 26♓21 | n.a. | T 1 |
| W 2 | 9 31 22 | 24°48'45 | 13°46 | 15°47 | 14°35 | 6°12 | 4♋ 7 | 20♊31 | 25♍34 | 7♏23 | 5♍11 | 18♏47 | 19°28 | 26°28 | n.a. | W 2 |
| T 3 | 9 35 18 | 25°47'11 | 26° 0 | 17°45 | 15° 7 | 6°44 | 4° 5 | 20°30 | 25°32 | 7°23 | 5° 9 | 18°47 | 19°24 | 26°35 | n.a. | T 3 |
| F 4 | 9 39 15 | 26°45'35 | 8♊33 | 19°45 | 15°41 | 7°17 | 4° 2 | 20°29 | 25°30 | 7°22 | 5° 8 | 18°46 | 19°21 | 26°42 | n.a. | F 4 |
| S 5 | 9 43 12 | 27°43'57 | 21°30 | 21°46 | 16°17 | 7°49 | 4° 0 | 20°29 | 25°28 | 7°22 | 5° 6 | 18°44 | 19°18 | 26°48 | n.a. | S 5 |
| S 6 | 9 47 8 | 28°42'17 | 4♋55 | 23°49 | 16°53 | 8°22 | 3°58 | 20°29 | 25°26 | 7°22 | 5° 4 | 18°40 | 19°15 | 26°55 | n.a. | S 6 |
| M 7 | 9 51 5 | 29°40'34 | 18°49 | 25°52 | 17°31 | 8°55 | 3°56 | 20°28 | 25°23 | 7°21 | 5° 3 | 18°34 | 19°12 | 27° 2 | n.a. | M 7 |
| T 8 | 9 55 1 | 0♓38'49 | 3♌12 | 27°57 | 18°10 | 9°28 | 3°54 | 20°28 | 25°21 | 7°21 | 5° 1 | 18°25 | 19° 8 | 27° 8 | n.a. | T 8 |
| W 9 | 9 58 58 | 1°37'02 | 18° 0 | 0♓ 3 | 18°50 | 10° 0 | 3°52 | 20°D28 | 25°19 | 7°21 | 4°59 | 18°15 | 19° 5 | 27°15 | n.a. | W 9 |
| T 10 | 10 2 54 | 2°35'12 | 3♍ 5 | 2°10 | 19°31 | 10°33 | 3°51 | 20°28 | 25°17 | 7°20 | 4°58 | 18° 4 | 19° 2 | 27°22 | n.a. | T 10 |
| F 11 | 10 6 51 | 3°33'21 | 18°17 | 4°17 | 20°13 | 11° 6 | 3°50 | 20°28 | 25°14 | 7°20 | 4°56 | 17°54 | 18°59 | 27°28 | n.a. | F 11 |
| S 12 | 10 10 47 | 4°31'28 | 3♎26 | 6°25 | 20°56 | 11°39 | 3°48 | 20°28 | 25°12 | 7°19 | 4°54 | 17°46 | 18°56 | 27°35 | n.a. | S 12 |
| S 13 | 10 14 44 | 5°29'33 | 18°22 | 8°34 | 21°40 | 12°13 | 3°48 | 20°29 | 25°10 | 7°19 | 4°53 | 17°41 | 18°53 | 27°42 | n.a. | S 13 |
| M14 | 10 18 40 | 6°27'37 | 2♏57 | 10°42 | 22°25 | 12°46 | 3°47 | 20°29 | 25° 8 | 7°18 | 4°51 | 17°38 | 18°49 | 27°49 | n.a. | M14 |
| T 15 | 10 22 37 | 7°25'39 | 17° 9 | 12°51 | 23°10 | 13°19 | 3°46 | 20°30 | 25° 5 | 7°18 | 4°49 | 17°D38 | 18°46 | 27°55 | n.a. | T 15 |
| W16 | 10 26 34 | 8°23'40 | 0♐57 | 14°58 | 23°57 | 13°52 | 3°46 | 20°30 | 25° 3 | 7°17 | 4°47 | 17°38 | 18°43 | 28° 2 | n.a. | W16 |
| T 17 | 10 30 30 | 9°21'39 | 14°21 | 17° 5 | 24°44 | 14°26 | 3°D46 | 20°31 | 25° 1 | 7°16 | 4°46 | 17°R38 | 18°40 | 28° 9 | n.a. | T 17 |
| F 18 | 10 34 27 | 10°19'37 | 27°25 | 19°11 | 25°33 | 14°59 | 3°46 | 20°32 | 24°58 | 7°16 | 4°44 | 17°37 | 18°37 | 28°15 | n.a. | F 18 |
| S 19 | 10 38 23 | 11°17'33 | 10♑11 | 21°16 | 26°22 | 15°33 | 3°46 | 20°33 | 24°56 | 7°15 | 4°42 | 17°33 | 18°34 | 28°22 | n.a. | S 19 |
| S 20 | 10 42 20 | 12°15'28 | 22°43 | 23°19 | 27°11 | 16° 7 | 3°47 | 20°34 | 24°53 | 7°14 | 4°41 | 17°27 | 18°30 | 28°29 | n.a. | S 20 |
| M21 | 10 46 16 | 13°13'21 | 5♒ 3 | 25°20 | 28° 1 | 16°40 | 3°47 | 20°35 | 24°51 | 7°14 | 4°39 | 17°19 | 18°27 | 28°35 | n.a. | M21 |
| T 22 | 10 50 13 | 14°11'12 | 17°14 | 27°18 | 28°52 | 17°14 | 3°48 | 20°37 | 24°48 | 7°13 | 4°37 | 17° 8 | 18°24 | 28°42 | n.a. | T 22 |
| W23 | 10 54 9 | 15° 9'02 | 29°18 | 29°15 | 29°44 | 17°48 | 3°49 | 20°38 | 24°46 | 7°12 | 4°36 | 16°57 | 18°21 | 28°49 | n.a. | W23 |
| T 24 | 10 58 6 | 16° 6'51 | 11♓15 | 1♈ 8 | 0♒36 | 18°22 | 3°50 | 20°39 | 24°43 | 7°11 | 4°34 | 16°45 | 18°18 | 28°55 | n.a. | T 24 |
| F 25 | 11 2 3 | 17° 4'37 | 23° 8 | 2°59 | 1°29 | 18°56 | 3°51 | 20°41 | 24°41 | 7°10 | 4°32 | 16°35 | 18°14 | 29° 2 | n.a. | F 25 |
| S 26 | 11 5 59 | 18° 2'23 | 4♈58 | 4°47 | 2°22 | 19°30 | 3°53 | 20°43 | 24°39 | 7° 9 | 4°31 | 16°26 | 18°11 | 29° 9 | n.a. | S 26 |
| S 27 | 11 9 56 | 19° 0'06 | 16°46 | 6°31 | 3°16 | 20° 4 | 3°54 | 20°45 | 24°36 | 7° 8 | 4°29 | 16°19 | 18° 8 | 29°16 | n.a. | S 27 |
| M28 | 11 13 52 | 19°57'48 | 28°36 | 8°13 | 4°11 | 20°38 | 3°56 | 20°46 | 24°34 | 7° 7 | 4°28 | 16°15 | 18° 5 | 29°22 | n.a. | M28 |
| T 29 | 11 17 49 | 20°55'28 | 10♉31 | 9°51 | 5° 6 | 21°13 | 3°58 | 20°48 | 24°31 | 7° 7 | 4°26 | 16°D13 | 18° 2 | 29°29 | n.a. | T 29 |
| W30 | 11 21 45 | 21°53'07 | 22°33 | 11°25 | 6° 1 | 21°47 | 4° 0 | 20°51 | 24°29 | 7° 6 | 4°24 | 16°13 | 17°59 | 29°36 | n.a. | W30 |
| T 31 | 11 25 42 | 22♓50'44 | 4♊48 | 12♈56 | 6♒57 | 22♉21 | 4♋ 3 | 20♊53 | 24♍26 | 7♏ 5 | 4♍23 | 16♏14 | 17♏55 | 29♓42 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 13s51 | 13n42 | 1n29 | 18s48 | 1s53 | 18s44 | 4n27 | 15n 4 | 1n29 | 25n 1 | 1n10 | 23n55 | 0n21 | 2n27 | 0n44 | 12s38 | 1n43 | 26n 7 | 17n44 | 17s46 | 17s58 | 2n18 | | n.a. | T 1 |
| W 2 | 13 31 | 16 42 | 0 27 | 18 9 | 1 48 | 18 50 | 4 18 | 15 15 | 1 29 | 25 1 | 1 10 | 23 55 | 0 21 | 2 28 | 0 44 | 12 38 | 1 43 | 26 8 | 17 44 | 17 45 | 17 57 | 2 20 | | n.a. | W 2 |
| T 3 | 13 11 | 19 1 | 0s38 | 17 27 | 1 43 | 18 56 | 4 8 | 15 26 | 1 29 | 25 1 | 1 10 | 23 55 | 0 21 | 2 29 | 0 44 | 12 38 | 1 43 | 26 9 | 17 44 | 17 45 | 17 56 | 2 22 | | n.a. | T 3 |
| F 4 | 12 50 | 20 29 | 1 43 | 16 44 | 1 37 | 19 1 | 3 59 | 15 37 | 1 29 | 25 1 | 1 10 | 23 55 | 0 21 | 2 30 | 0 44 | 12 38 | 1 43 | 26 9 | 17 44 | 17 45 | 17 55 | 2 24 | | n.a. | F 4 |
| S 5 | 12 30 | 20 55 | 2 44 | 15 58 | 1 31 | 19 6 | 3 50 | 15 48 | 1 29 | 25 1 | 1 10 | 23 56 | 0 21 | 2 31 | 0 44 | 12 38 | 1 43 | 26 10 | 17 44 | 17 45 | 17 54 | 2 26 | | n.a. | S 5 |
| S 6 | 12 9 | 20 11 | 3 39 | 15 10 | 1 24 | 19 11 | 3 40 | 15 59 | 1 29 | 25 1 | 1 10 | 23 56 | 0 21 | 2 31 | 0 44 | 12 37 | 1 43 | 26 11 | 17 44 | 17 44 | 17 53 | 2 29 | | n.a. | S 6 |
| M 7 | 11 49 | 18 14 | 4 22 | 14 21 | 1 17 | 19 15 | 3 31 | 16 10 | 1 29 | 25 1 | 1 10 | 23 56 | 0 21 | 2 32 | 0 44 | 12 37 | 1 43 | 26 12 | 17 44 | 17 42 | 17 52 | 2 31 | | n.a. | M 7 |
| T 8 | 11 28 | 15 7 | 4 51 | 13 30 | 1 9 | 19 19 | 3 22 | 16 20 | 1 29 | 25 1 | 1 10 | 23 56 | 0 22 | 2 33 | 0 44 | 12 37 | 1 43 | 26 12 | 17 44 | 17 39 | 17 51 | 2 33 | | n.a. | T 8 |
| W 9 | 11 7 | 10 58 | 5 1 | 12 37 | 1 0 | 19 23 | 3 13 | 16 31 | 1 29 | 25 1 | 1 10 | 23 56 | 0 22 | 2 34 | 0 44 | 12 37 | 1 43 | 26 13 | 17 44 | 17 36 | 17 51 | 2 35 | | n.a. | W 9 |
| T 10 | 10 46 | 6 3 | 4 51 | 11 43 | 0 52 | 19 26 | 3 4 | 16 42 | 1 29 | 25 1 | 1 10 | 23 56 | 0 22 | 2 35 | 0 44 | 12 37 | 1 43 | 26 14 | 17 44 | 17 33 | 17 50 | 2 38 | | n.a. | T 10 |
| F 11 | 10 24 | 0 44 | 4 21 | 10 47 | 0 42 | 19 28 | 2 56 | 16 52 | 1 29 | 25 1 | 1 9 | 23 56 | 0 22 | 2 36 | 0 44 | 12 37 | 1 43 | 26 14 | 17 44 | 17 31 | 17 49 | 2 40 | | n.a. | F 11 |
| S 12 | 10 3 | 4s37 | 3 32 | 9 50 | 0 32 | 19 30 | 2 47 | 17 3 | 1 29 | 25 1 | 1 9 | 23 56 | 0 22 | 2 37 | 0 44 | 12 36 | 1 43 | 26 15 | 17 44 | 17 28 | 17 48 | 2 42 | | n.a. | S 12 |
| S 13 | 9 41 | 9 37 | 2 29 | 8 52 | 0 22 | 19 32 | 2 39 | 17 13 | 1 29 | 25 1 | 1 9 | 23 56 | 0 22 | 2 38 | 0 44 | 12 36 | 1 43 | 26 16 | 17 44 | 17 27 | 17 47 | 2 44 | | n.a. | S 13 |
| M14 | 9 19 | 13 57 | 1 17 | 7 53 | 0 12 | 19 33 | 2 30 | 17 24 | 1 29 | 25 1 | 1 9 | 23 56 | 0 22 | 2 39 | 0 44 | 12 36 | 1 43 | 26 16 | 17 44 | 17 26 | 17 46 | 2 46 | | n.a. | M14 |
| T 15 | 8 57 | 17 20 | 0 3 | 6 53 | 0 1 | 19 33 | 2 22 | 17 34 | 1 29 | 25 1 | 1 9 | 23 56 | 0 22 | 2 40 | 0 44 | 12 36 | 1 43 | 26 17 | 17 44 | 17 26 | 17 45 | 2 49 | | n.a. | T 15 |
| W16 | 8 35 | 19 37 | 1n10 | 5 53 | 0n10 | 19 33 | 2 14 | 17 44 | 1 29 | 25 1 | 1 9 | 23 56 | 0 22 | 2 41 | 0 44 | 12 35 | 1 44 | 26 18 | 17 44 | 17 26 | 17 44 | 2 51 | | n.a. | W16 |
| T 17 | 8 13 | 20 43 | 2 17 | 4 53 | 0 20 | 19 33 | 2 6 | 17 55 | 1 29 | 25 1 | 1 9 | 23 56 | 0 22 | 2 42 | 0 44 | 12 35 | 1 44 | 26 18 | 17 44 | 17 26 | 17 43 | 2 53 | | n.a. | T 17 |
| F 18 | 7 51 | 20 39 | 3 15 | 3 53 | 0 31 | 19 32 | 1 58 | 18 5 | 1 29 | 25 1 | 1 9 | 23 57 | 0 22 | 2 43 | 0 44 | 12 35 | 1 44 | 26 19 | 17 44 | 17 26 | 17 43 | 2 55 | | n.a. | F 18 |
| S 19 | 7 28 | 19 30 | 4 2 | 2 53 | 0 42 | 19 30 | 1 50 | 18 15 | 1 29 | 25 1 | 1 9 | 23 57 | 0 22 | 2 44 | 0 44 | 12 35 | 1 44 | 26 19 | 17 44 | 17 25 | 17 42 | 2 57 | | n.a. | S 19 |
| S 20 | 7 6 | 17 26 | 4 36 | 1 54 | 0 53 | 19 28 | 1 42 | 18 25 | 1 29 | 25 0 | 1 9 | 23 57 | 0 22 | 2 45 | 0 44 | 12 34 | 1 44 | 26 20 | 17 44 | 17 23 | 17 41 | 2 59 | | n.a. | S 20 |
| M21 | 6 43 | 14 36 | 4 56 | 0 55 | 1 4 | 19 25 | 1 35 | 18 35 | 1 29 | 25 0 | 1 8 | 23 57 | 0 22 | 2 46 | 0 44 | 12 34 | 1 44 | 26 21 | 17 44 | 17 20 | 17 40 | 3 2 | | n.a. | M21 |
| T 22 | 6 21 | 11 10 | 5 3 | 0n 2 | 1 14 | 19 22 | 1 27 | 18 45 | 1 29 | 25 0 | 1 8 | 23 57 | 0 22 | 2 47 | 0 44 | 12 34 | 1 44 | 26 21 | 17 44 | 17 17 | 17 39 | 3 4 | | n.a. | T 22 |
| W23 | 5 58 | 7 20 | 4 56 | 0 58 | 1 24 | 19 19 | 1 20 | 18 54 | 1 29 | 25 0 | 1 8 | 23 57 | 0 22 | 2 48 | 0 44 | 12 33 | 1 44 | 26 22 | 17 44 | 17 14 | 17 38 | 3 6 | | n.a. | W23 |
| T 24 | 5 35 | 3 14 | 4 36 | 1 53 | 1 34 | 19 14 | 1 13 | 19 4 | 1 29 | 25 0 | 1 8 | 23 57 | 0 22 | 2 49 | 0 44 | 12 33 | 1 44 | 26 22 | 17 43 | 17 11 | 17 37 | 3 8 | | n.a. | T 24 |
| F 25 | 5 12 | 0n57 | 4 5 | 2 47 | 1 43 | 19 9 | 1 6 | 19 14 | 1 29 | 25 0 | 1 8 | 23 58 | 0 23 | 2 50 | 0 44 | 12 33 | 1 44 | 26 23 | 17 43 | 17 8 | 17 36 | 3 10 | | n.a. | F 25 |
| S 26 | 4 49 | 5 5 | 3 22 | 3 38 | 1 51 | 19 4 | 0 59 | 19 23 | 1 29 | 25 0 | 1 8 | 23 58 | 0 23 | 2 51 | 0 44 | 12 32 | 1 44 | 26 23 | 17 43 | 17 5 | 17 35 | 3 13 | | n.a. | S 26 |
| S 27 | 4 26 | 9 2 | 2 31 | 4 28 | 2 0 | 18 58 | 0 52 | 19 33 | 1 29 | 24 59 | 1 8 | 23 58 | 0 23 | 2 52 | 0 44 | 12 32 | 1 44 | 26 24 | 17 43 | 17 3 | 17 34 | 3 15 | | n.a. | S 27 |
| M28 | 4 3 | 12 38 | 1 33 | 5 15 | 2 7 | 18 52 | 0 45 | 19 42 | 1 29 | 24 59 | 1 8 | 23 58 | 0 23 | 2 53 | 0 44 | 12 32 | 1 44 | 26 24 | 17 43 | 17 2 | 17 34 | 3 17 | | n.a. | M28 |
| T 29 | 3 40 | 15 45 | 0 31 | 6 1 | 2 14 | 18 45 | 0 39 | 19 51 | 1 29 | 24 59 | 1 8 | 23 58 | 0 23 | 2 54 | 0 44 | 12 31 | 1 44 | 26 25 | 17 43 | 17 1 | 17 33 | 3 19 | | n.a. | T 29 |
| W30 | 3 17 | 18 14 | 0s34 | 6 44 | 2 20 | 18 37 | 0 32 | 20 0 | 1 29 | 24 59 | 1 7 | 23 59 | 0 23 | 2 55 | 0 44 | 12 31 | 1 44 | 26 25 | 17 43 | 17 1 | 17 32 | 3 21 | | n.a. | W30 |
| T 31 | 2s54 | 19n55 | 1s38 | 7n26 | 2n25 | 18s29 | 0n26 | 20n 9 | 1n29 | 24n59 | 1n 7 | 23n59 | 0n23 | 2n56 | 0n44 | 12s31 | 1n44 | 26n26 | 17n42 | 17s 2 | 17s31 | 3n23 | | n.a. | T 31 |

Julian Day Number = 1001574.5, Delta T = 12h50m33s
Ecliptic obliquity = 23°55'11, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'45, Lahiri = -31°07'45 Julian Calendar 1 March 1971 BCE == Greg. Calendar 12 Feb. 1971 BCE

The year -1970 astronomical counting style corresponds to year 1971 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## APRIL 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 29 38 | 23♓48'19 | 17♊20 | 14♈23 | 7♒53 | 22♉56 | 4♋ 5 | 20♊55 | 24°R23 | 7°R 3 | 4°R21 | 16♏15 | 17♏52 | 29♓49 | n.a. | F 1 |
| S 2 | 11 33 35 | 24°45'52 | 0♋14 | 15°47 | 8°50 | 23°30 | 4° 8 | 20°58 | 24♍21 | 7♏ 2 | 4♍20 | 16°R15 | 17°49 | 29°56 | n.a. | S 2 |
| S 3 | 11 37 31 | 25°43'24 | 13°34 | 17° 7 | 9°47 | 24° 5 | 4°11 | 21° 0 | 24°18 | 7° 1 | 4°18 | 16°14 | 17°46 | 0♈ 2 | n.a. | S 3 |
| M 4 | 11 41 28 | 26°40'54 | 27°21 | 18°24 | 10°45 | 24°39 | 4°14 | 21° 3 | 24°16 | 7° 0 | 4°17 | 16°10 | 17°43 | 0° 9 | n.a. | M 4 |
| T 5 | 11 45 25 | 27°38'23 | 11♌38 | 19°36 | 11°43 | 25°14 | 4°17 | 21° 5 | 24°13 | 6°59 | 4°15 | 16° 5 | 17°39 | 0°16 | n.a. | T 5 |
| W 6 | 11 49 21 | 28°35'50 | 26°21 | 20°45 | 12°41 | 25°48 | 4°21 | 21° 8 | 24°11 | 6°58 | 4°13 | 15°59 | 17°36 | 0°22 | n.a. | W 6 |
| T 7 | 11 53 18 | 29°33'15 | 11♍25 | 21°50 | 13°40 | 26°23 | 4°24 | 21°11 | 24° 8 | 6°57 | 4°12 | 15°52 | 17°33 | 0°29 | n.a. | T 7 |
| F 8 | 11 57 14 | 0♈30'40 | 26°40 | 22°51 | 14°39 | 26°58 | 4°28 | 21°14 | 24° 6 | 6°56 | 4°11 | 15°45 | 17°30 | 0°36 | n.a. | F 8 |
| S 9 | 12 1 11 | 1°28'02 | 11♎56 | 23°48 | 15°39 | 27°33 | 4°32 | 21°17 | 24° 3 | 6°54 | 4° 9 | 15°40 | 17°27 | 0°42 | n.a. | S 9 |
| S 10 | 12 5 7 | 2°25'24 | 27° 3 | 24°40 | 16°38 | 28° 8 | 4°36 | 21°20 | 24° 1 | 6°53 | 4° 8 | 15°37 | 17°24 | 0°49 | n.a. | S 10 |
| M11 | 12 9 4 | 3°22'45 | 11♏52 | 25°29 | 17°39 | 28°42 | 4°40 | 21°23 | 23°59 | 6°52 | 4° 6 | 15°D36 | 17°20 | 0°56 | n.a. | M11 |
| T 12 | 12 13 0 | 4°20'05 | 26°16 | 26°13 | 18°39 | 29°17 | 4°45 | 21°27 | 23°56 | 6°50 | 4° 5 | 15°36 | 17°17 | 1° 3 | n.a. | T 12 |
| W13 | 12 16 57 | 5°17'24 | 10♐14 | 26°53 | 19°40 | 29°52 | 4°49 | 21°30 | 23°54 | 6°49 | 4° 3 | 15°37 | 17°14 | 1° 9 | n.a. | W13 |
| T 14 | 12 20 54 | 6°14'43 | 23°46 | 27°29 | 20°41 | 0♊28 | 4°54 | 21°34 | 23°51 | 6°48 | 4° 2 | 15°39 | 17°11 | 1°16 | n.a. | T 14 |
| F 15 | 12 24 50 | 7°12'00 | 6♑52 | 28° 0 | 21°42 | 1° 3 | 4°59 | 21°37 | 23°49 | 6°47 | 4° 1 | 15°R39 | 17° 8 | 1°23 | n.a. | F 15 |
| S 16 | 12 28 47 | 8° 9'17 | 19°38 | 28°27 | 22°44 | 1°38 | 5° 4 | 21°41 | 23°46 | 6°45 | 3°59 | 15°39 | 17° 5 | 1°29 | n.a. | S 16 |
| S 17 | 12 32 43 | 9° 6'34 | 2♒ 6 | 28°49 | 23°46 | 2°13 | 5° 9 | 21°45 | 23°44 | 6°44 | 3°58 | 15°36 | 17° 1 | 1°36 | n.a. | S 17 |
| M18 | 12 36 40 | 10° 3'49 | 14°20 | 29° 7 | 24°48 | 2°48 | 5°14 | 21°49 | 23°42 | 6°42 | 3°57 | 15°33 | 16°58 | 1°43 | n.a. | M18 |
| T 19 | 12 40 36 | 11° 1'04 | 26°23 | 29°20 | 25°50 | 3°24 | 5°20 | 21°53 | 23°39 | 6°41 | 3°56 | 15°28 | 16°55 | 1°49 | n.a. | T 19 |
| W20 | 12 44 33 | 11°58'18 | 8♓20 | 29°28 | 26°53 | 3°59 | 5°25 | 21°57 | 23°37 | 6°40 | 3°54 | 15°22 | 16°52 | 1°56 | n.a. | W20 |
| T 21 | 12 48 29 | 12°55'31 | 20°12 | 29°R32 | 27°56 | 4°34 | 5°31 | 22° 1 | 23°34 | 6°38 | 3°53 | 15°16 | 16°49 | 2° 3 | n.a. | T 21 |
| F 22 | 12 52 26 | 13°52'44 | 2♈ 1 | 29°31 | 28°59 | 5°10 | 5°37 | 22° 5 | 23°32 | 6°37 | 3°52 | 15°11 | 16°45 | 2° 9 | n.a. | F 22 |
| S 23 | 12 56 23 | 14°49'56 | 13°51 | 29°26 | 0♓ 3 | 5°45 | 5°43 | 22° 9 | 23°30 | 6°35 | 3°51 | 15° 6 | 16°42 | 2°16 | n.a. | S 23 |
| S 24 | 13 0 19 | 15°47'07 | 25°42 | 29°16 | 1° 6 | 6°21 | 5°49 | 22°14 | 23°28 | 6°34 | 3°50 | 15° 3 | 16°39 | 2°23 | n.a. | S 24 |
| M25 | 13 4 16 | 16°44'18 | 7♉37 | 29° 2 | 2°10 | 6°57 | 5°56 | 22°18 | 23°25 | 6°32 | 3°48 | 15° 2 | 16°36 | 2°29 | n.a. | M25 |
| T 26 | 13 8 12 | 17°41'27 | 19°39 | 28°45 | 3°14 | 7°32 | 6° 2 | 22°23 | 23°23 | 6°31 | 3°47 | 15°D 2 | 16°33 | 2°36 | n.a. | T 26 |
| W27 | 13 12 9 | 18°38'36 | 1♊49 | 28°24 | 4°18 | 8° 8 | 6° 9 | 22°27 | 23°21 | 6°29 | 3°46 | 15° 3 | 16°30 | 2°43 | n.a. | W27 |
| T 28 | 13 16 5 | 19°35'45 | 14°11 | 27°59 | 5°23 | 8°44 | 6°16 | 22°32 | 23°19 | 6°28 | 3°45 | 15° 4 | 16°26 | 2°49 | n.a. | T 28 |
| F 29 | 13 20 2 | 20°32'52 | 26°48 | 27°32 | 6°27 | 9°19 | 6°22 | 22°37 | 23°17 | 6°26 | 3°44 | 15° 6 | 16°23 | 2°56 | n.a. | F 29 |
| S 30 | 13 23 58 | 21♈29'59 | 9♋44 | 27♈ 2 | 7♓32 | 9♊55 | 6♋29 | 22♊41 | 23♍15 | 6♏25 | 3♍43 | 15♏ 7 | 16♏20 | 3♈ 3 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 2s30 | 20n39 | 2s40 | 8n 5 | 2n30 | 18s20 | 0n20 | 20n18 | 1n29 | 24n59 | 1n 7 | 23n59 | 0n23 | 2n57 | 0n44 | 12s30 | 1n44 | 26n26 | 17n42 | 17s 2 | 17s30 | 3n26 | | n.a. |
| S 2 | 2 7 | 20 21 | 3 34 | 8 41 | 2 34 | 18 11 | 0 14 | 20 27 | 1 29 | 24 58 | 1 7 | 23 59 | 0 23 | 2 58 | 0 44 | 12 30 | 1 44 | 26 26 | 17 42 | 17 2 | 17 29 | 3 28 | | n.a. |
| S 3 | 1 44 | 18 54 | 4 20 | 9 16 | 2 37 | 18 1 | 0 8 | 20 36 | 1 29 | 24 58 | 1 7 | 23 59 | 0 23 | 2 59 | 0 44 | 12 30 | 1 44 | 26 27 | 17 42 | 17 1 | 17 28 | 3 30 | | n.a. |
| M 4 | 1 21 | 16 20 | 4 52 | 9 48 | 2 39 | 17 51 | 0 2 | 20 45 | 1 29 | 24 58 | 1 7 | 24 0 | 0 23 | 3 0 | 0 44 | 12 29 | 1 44 | 26 27 | 17 41 | 17 0 | 17 27 | 3 32 | | n.a. |
| T 5 | 0 57 | 12 43 | 5 7 | 10 17 | 2 41 | 17 40 | 0s 3 | 20 53 | 1 29 | 24 58 | 1 7 | 24 0 | 0 23 | 3 1 | 0 44 | 12 29 | 1 44 | 26 27 | 17 41 | 16 59 | 17 26 | 3 34 | | n.a. |
| W 6 | 0 34 | 8 14 | 5 3 | 10 45 | 2 41 | 17 29 | 0 9 | 21 2 | 1 29 | 24 57 | 1 7 | 24 0 | 0 23 | 3 2 | 0 44 | 12 28 | 1 44 | 26 28 | 17 41 | 16 57 | 17 25 | 3 36 | | n.a. |
| T 7 | 0 11 | 3 9 | 4 38 | 11 9 | 2 41 | 17 17 | 0 14 | 21 10 | 1 28 | 24 57 | 1 7 | 24 0 | 0 23 | 3 3 | 0 44 | 12 28 | 1 44 | 26 28 | 17 41 | 16 55 | 17 25 | 3 39 | | n.a. |
| F 8 | 0n12 | 2s13 | 3 53 | 11 31 | 2 40 | 17 5 | 0 20 | 21 18 | 1 28 | 24 57 | 1 7 | 24 1 | 0 23 | 3 4 | 0 44 | 12 27 | 1 44 | 26 28 | 17 40 | 16 53 | 17 24 | 3 41 | | n.a. |
| S 9 | 0 36 | 7 26 | 2 52 | 11 51 | 2 38 | 16 52 | 0 25 | 21 26 | 1 28 | 24 57 | 1 6 | 24 1 | 0 23 | 3 5 | 0 44 | 12 27 | 1 44 | 26 29 | 17 40 | 16 52 | 17 23 | 3 43 | | n.a. |
| S 10 | 0 59 | 12 9 | 1 39 | 12 8 | 2 35 | 16 38 | 0 30 | 21 34 | 1 28 | 24 57 | 1 6 | 24 1 | 0 23 | 3 6 | 0 44 | 12 27 | 1 44 | 26 29 | 17 40 | 16 51 | 17 22 | 3 45 | | n.a. |
| M11 | 1 22 | 16 1 | 0 20 | 12 23 | 2 31 | 16 24 | 0 35 | 21 42 | 1 28 | 24 56 | 1 6 | 24 1 | 0 23 | 3 7 | 0 44 | 12 26 | 1 44 | 26 29 | 17 40 | 16 50 | 17 21 | 3 47 | | n.a. |
| T 12 | 1 45 | 18 46 | 0n58 | 12 35 | 2 26 | 16 10 | 0 40 | 21 50 | 1 28 | 24 56 | 1 6 | 24 2 | 0 24 | 3 8 | 0 44 | 12 26 | 1 44 | 26 30 | 17 39 | 16 50 | 17 20 | 3 49 | | n.a. |
| W13 | 2 9 | 20 17 | 2 10 | 12 45 | 2 21 | 15 55 | 0 44 | 21 58 | 1 28 | 24 56 | 1 6 | 24 2 | 0 24 | 3 9 | 0 44 | 12 25 | 1 44 | 26 30 | 17 39 | 16 51 | 17 19 | 3 52 | | n.a. |
| T 14 | 2 32 | 20 34 | 3 12 | 12 52 | 2 14 | 15 39 | 0 49 | 22 5 | 1 28 | 24 55 | 1 6 | 24 2 | 0 24 | 3 10 | 0 44 | 12 25 | 1 45 | 26 30 | 17 39 | 16 51 | 17 18 | 3 54 | | n.a. |
| F 15 | 2 55 | 19 42 | 4 3 | 12 56 | 2 6 | 15 23 | 0 53 | 22 12 | 1 28 | 24 55 | 1 6 | 24 3 | 0 24 | 3 11 | 0 44 | 12 24 | 1 45 | 26 30 | 17 38 | 16 51 | 17 17 | 3 56 | | n.a. |
| S 16 | 3 18 | 17 50 | 4 40 | 12 58 | 1 58 | 15 7 | 0 57 | 22 20 | 1 28 | 24 55 | 1 6 | 24 3 | 0 24 | 3 11 | 0 44 | 12 24 | 1 45 | 26 31 | 17 38 | 16 51 | 17 16 | 3 58 | | n.a. |
| S 17 | 3 41 | 15 10 | 5 3 | 12 57 | 1 48 | 14 50 | 1 1 | 22 27 | 1 28 | 24 55 | 1 6 | 24 3 | 0 24 | 3 12 | 0 44 | 12 23 | 1 45 | 26 31 | 17 38 | 16 50 | 17 15 | 4 0 | | n.a. |
| M18 | 4 4 | 11 54 | 5 11 | 12 54 | 1 38 | 14 33 | 1 6 | 22 34 | 1 27 | 24 54 | 1 5 | 24 3 | 0 24 | 3 13 | 0 44 | 12 23 | 1 45 | 26 31 | 17 37 | 16 49 | 17 14 | 4 2 | | n.a. |
| T 19 | 4 27 | 8 11 | 5 6 | 12 48 | 1 27 | 14 15 | 1 9 | 22 41 | 1 27 | 24 54 | 1 5 | 24 4 | 0 24 | 3 14 | 0 44 | 12 22 | 1 45 | 26 31 | 17 37 | 16 48 | 17 14 | 4 4 | | n.a. |
| W20 | 4 49 | 4 11 | 4 47 | 12 40 | 1 14 | 13 56 | 1 13 | 22 48 | 1 27 | 24 54 | 1 5 | 24 4 | 0 24 | 3 15 | 0 44 | 12 22 | 1 45 | 26 31 | 17 36 | 16 46 | 17 13 | 4 7 | | n.a. |
| T 21 | 5 12 | 0 3 | 4 16 | 12 29 | 1 1 | 13 38 | 1 17 | 22 54 | 1 27 | 24 53 | 1 5 | 24 4 | 0 24 | 3 16 | 0 44 | 12 21 | 1 45 | 26 31 | 17 36 | 16 44 | 17 12 | 4 9 | | n.a. |
| F 22 | 5 35 | 4n 5 | 3 34 | 12 16 | 0 48 | 13 19 | 1 20 | 23 1 | 1 27 | 24 53 | 1 5 | 24 5 | 0 24 | 3 17 | 0 44 | 12 21 | 1 45 | 26 31 | 17 36 | 16 43 | 17 11 | 4 11 | | n.a. |
| S 23 | 5 57 | 8 3 | 2 43 | 12 0 | 0 33 | 12 59 | 1 24 | 23 7 | 1 27 | 24 52 | 1 5 | 24 5 | 0 24 | 3 18 | 0 44 | 12 20 | 1 45 | 26 31 | 17 35 | 16 41 | 17 10 | 4 13 | | n.a. |
| S 24 | 6 20 | 11 44 | 1 44 | 11 43 | 0 18 | 12 39 | 1 27 | 23 13 | 1 27 | 24 52 | 1 5 | 24 5 | 0 24 | 3 19 | 0 44 | 12 20 | 1 45 | 26 32 | 17 35 | 16 41 | 17 9 | 4 15 | | n.a. |
| M25 | 6 42 | 14 58 | 0 41 | 11 23 | 0 2 | 12 19 | 1 30 | 23 20 | 1 27 | 24 52 | 1 5 | 24 6 | 0 24 | 3 20 | 0 44 | 12 19 | 1 45 | 26 32 | 17 34 | 16 40 | 17 8 | 4 17 | | n.a. |
| T 26 | 7 5 | 17 35 | 0s25 | 11 2 | 0s14 | 11 58 | 1 33 | 23 25 | 1 26 | 24 51 | 1 5 | 24 6 | 0 24 | 3 21 | 0 44 | 12 19 | 1 45 | 26 32 | 17 34 | 16 40 | 17 7 | 4 19 | | n.a. |
| W27 | 7 27 | 19 27 | 1 31 | 10 39 | 0 30 | 11 37 | 1 36 | 23 31 | 1 26 | 24 51 | 1 5 | 24 6 | 0 24 | 3 22 | 0 44 | 12 18 | 1 45 | 26 32 | 17 34 | 16 40 | 17 6 | 4 22 | | n.a. |
| T 28 | 7 49 | 20 25 | 2 34 | 10 14 | 0 47 | 11 15 | 1 39 | 23 37 | 1 26 | 24 51 | 1 4 | 24 7 | 0 24 | 3 22 | 0 44 | 12 18 | 1 45 | 26 32 | 17 33 | 16 41 | 17 5 | 4 24 | | n.a. |
| F 29 | 8 11 | 20 23 | 3 30 | 9 49 | 1 4 | 10 53 | 1 42 | 23 43 | 1 26 | 24 50 | 1 4 | 24 7 | 0 24 | 3 23 | 0 44 | 12 17 | 1 45 | 26 32 | 17 33 | 16 41 | 17 4 | 4 26 | | n.a. |
| S 30 | 8n33 | 19n17 | 4s17 | 9n22 | 1s21 | 10s31 | 1s44 | 23n48 | 1n26 | 24n50 | 1n 4 | 24n 7 | 0n25 | 3n24 | 0n44 | 12s17 | 1n45 | 26n32 | 17n32 | 16s42 | 17s 3 | 4n28 | | n.a. |

Julian Day Number = 1001605.5, Delta T = 12h50m31s
Ecliptic obliquity = 23°55'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'41, Lahiri = -31°07'41 Julian Calendar 1 Apr. 1971 BCE == Greg. Calendar 15 March 1971 BCE


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## MAY 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 27 55 | 22♈27'05 | 23♋ 1 | 26°R31 | 8♓37 | 10♊31 | 6♋37 | 22♊46 | 23°R12 | 6°R23 | 3°R42 | 15°R 7 | 16♏17 | 3♈10 | n.a. | S 1 |
| M 2 | 13 31 52 | 23°24'10 | 6♌43 | 25♈58 | 9°42 | 11° 7 | 6°44 | 22°51 | 23♍10 | 6♏22 | 3♍41 | 15♏ 7 | 16°14 | 3°16 | n.a. | M 2 |
| T 3 | 13 35 48 | 24°21'14 | 20°49 | 25°24 | 10°47 | 11°43 | 6°51 | 22°56 | 23° 8 | 6°20 | 3°40 | 15° 5 | 16°10 | 3°23 | n.a. | T 3 |
| W 4 | 13 39 45 | 25°18'18 | 5♍18 | 24°50 | 11°53 | 12°19 | 6°59 | 23° 2 | 23° 6 | 6°18 | 3°39 | 15° 3 | 16° 7 | 3°30 | n.a. | W 4 |
| T 5 | 13 43 41 | 26°15'21 | 20° 8 | 24°16 | 12°58 | 12°55 | 7° 6 | 23° 7 | 23° 4 | 6°17 | 3°39 | 15° 1 | 16° 4 | 3°36 | n.a. | T 5 |
| F 6 | 13 47 38 | 27°12'23 | 5♎10 | 23°43 | 14° 4 | 13°31 | 7°14 | 23°12 | 23° 2 | 6°15 | 3°38 | 14°59 | 16° 1 | 3°43 | n.a. | F 6 |
| S 7 | 13 51 34 | 28° 9'25 | 20°18 | 23°11 | 15°10 | 14° 7 | 7°22 | 23°17 | 23° 1 | 6°14 | 3°37 | 14°57 | 15°58 | 3°50 | n.a. | S 7 |
| S 8 | 13 55 31 | 29° 6'27 | 5♏21 | 22°42 | 16°16 | 14°43 | 7°30 | 23°23 | 22°59 | 6°12 | 3°36 | 14°56 | 15°55 | 3°56 | n.a. | S 8 |
| M 9 | 13 59 28 | 0♉ 3'29 | 20°11 | 22°15 | 17°23 | 15°20 | 7°38 | 23°28 | 22°57 | 6°10 | 3°35 | 14°D56 | 15°51 | 4° 3 | n.a. | M 9 |
| T 10 | 14 3 24 | 1° 0'30 | 4♐41 | 21°51 | 18°29 | 15°56 | 7°46 | 23°34 | 22°55 | 6° 9 | 3°35 | 14°56 | 15°48 | 4°10 | n.a. | T 10 |
| W11 | 14 7 21 | 1°57'32 | 18°46 | 21°30 | 19°36 | 16°32 | 7°55 | 23°39 | 22°53 | 6° 7 | 3°34 | 14°57 | 15°45 | 4°16 | n.a. | W11 |
| T 12 | 14 11 17 | 2°54'34 | 2♑25 | 21°13 | 20°42 | 17° 9 | 8° 3 | 23°45 | 22°52 | 6° 6 | 3°33 | 14°58 | 15°42 | 4°23 | n.a. | T 12 |
| F 13 | 14 15 14 | 3°51'36 | 15°39 | 21° 1 | 21°49 | 17°45 | 8°12 | 23°51 | 22°50 | 6° 4 | 3°33 | 14°59 | 15°39 | 4°30 | n.a. | F 13 |
| S 14 | 14 19 10 | 4°48'38 | 28°28 | 20°52 | 22°56 | 18°21 | 8°21 | 23°56 | 22°48 | 6° 2 | 3°32 | 15° 0 | 15°36 | 4°36 | n.a. | S 14 |
| S 15 | 14 23 7 | 5°45'40 | 10♒58 | 20°D48 | 24° 3 | 18°58 | 8°29 | 24° 2 | 22°47 | 6° 1 | 3°32 | 15°R 0 | 15°32 | 4°43 | n.a. | S 15 |
| M16 | 14 27 3 | 6°42'43 | 23°11 | 20°49 | 25°11 | 19°34 | 8°38 | 24° 8 | 22°45 | 5°59 | 3°31 | 14°59 | 15°29 | 4°50 | n.a. | M16 |
| T 17 | 14 31 0 | 7°39'46 | 5♓12 | 20°54 | 26°18 | 20°11 | 8°47 | 24°14 | 22°43 | 5°58 | 3°31 | 14°59 | 15°26 | 4°56 | n.a. | T 17 |
| W18 | 14 34 57 | 8°36'49 | 17° 6 | 21° 5 | 27°25 | 20°47 | 8°56 | 24°20 | 22°42 | 5°56 | 3°30 | 14°58 | 15°23 | 5° 3 | n.a. | W18 |
| T 19 | 14 38 53 | 9°33'52 | 28°55 | 21°20 | 28°33 | 21°24 | 9° 6 | 24°26 | 22°41 | 5°54 | 3°30 | 14°57 | 15°20 | 5°10 | n.a. | T 19 |
| F 20 | 14 42 50 | 10°30'56 | 10♈45 | 21°41 | 29°41 | 22° 1 | 9°15 | 24°32 | 22°39 | 5°53 | 3°29 | 14°56 | 15°16 | 5°16 | n.a. | F 20 |
| S 21 | 14 46 46 | 11°28'00 | 22°37 | 22° 6 | 0♈49 | 22°38 | 9°24 | 24°38 | 22°38 | 5°51 | 3°29 | 14°56 | 15°13 | 5°23 | n.a. | S 21 |
| S 22 | 14 50 43 | 12°25'05 | 4♉34 | 22°36 | 1°57 | 23°14 | 9°34 | 24°45 | 22°36 | 5°49 | 3°29 | 14°56 | 15°10 | 5°30 | n.a. | S 22 |
| M23 | 14 54 39 | 13°22'10 | 16°38 | 23°11 | 3° 5 | 23°51 | 9°44 | 24°51 | 22°35 | 5°48 | 3°28 | 14°D56 | 15° 7 | 5°36 | n.a. | M23 |
| T 24 | 14 58 36 | 14°19'15 | 28°52 | 23°51 | 4°13 | 24°28 | 9°53 | 24°57 | 22°34 | 5°46 | 3°28 | 14°56 | 15° 4 | 5°43 | n.a. | T 24 |
| W25 | 15 2 33 | 15°16'20 | 11♊16 | 24°36 | 5°21 | 25° 5 | 10° 3 | 25° 3 | 22°33 | 5°45 | 3°28 | 14°R56 | 15° 1 | 5°50 | n.a. | W25 |
| T 26 | 15 6 29 | 16°13'26 | 23°53 | 25°26 | 6°30 | 25°42 | 10°13 | 25°10 | 22°32 | 5°43 | 3°28 | 14°56 | 14°57 | 5°57 | n.a. | T 26 |
| F 27 | 15 10 26 | 17°10'32 | 6♋44 | 26°20 | 7°38 | 26°19 | 10°23 | 25°16 | 22°30 | 5°41 | 3°28 | 14°56 | 14°54 | 6° 3 | n.a. | F 27 |
| S 28 | 15 14 22 | 18° 7'38 | 19°50 | 27°19 | 8°47 | 26°56 | 10°33 | 25°23 | 22°29 | 5°40 | 3°27 | 14°55 | 14°51 | 6°10 | n.a. | S 28 |
| S 29 | 15 18 19 | 19° 4'44 | 3♌13 | 28°23 | 9°56 | 27°33 | 10°43 | 25°29 | 22°28 | 5°38 | 3°27 | 14°55 | 14°48 | 6°17 | n.a. | S 29 |
| M30 | 15 22 15 | 20° 1'51 | 16°53 | 29°31 | 11° 5 | 28°10 | 10°54 | 25°36 | 22°27 | 5°37 | 3°27 | 14°D55 | 14°45 | 6°23 | n.a. | M30 |
| T 31 | 15 26 12 | 20♉58'57 | 0♍52 | 0♉44 | 12♈14 | 28♊47 | 11♋ 4 | 25♊43 | 22♍26 | 5♏35 | 3°D27 | 14♏55 | 14♏41 | 6♈30 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 8n54 | 17n 6 | 4s52 | 8n55 | 1s37 | 10s 9 | 1s46 | 23n53 | 1n26 | 24n49 | 1n 4 | 24n 8 | 0n25 | 3n25 | 0n44 | 12s16 | 1n45 | 26n32 | 17n32 | 16s42 | 17s 2 | 4n30 | | | n.a. |
| M 2 | 9 16 | 13 56 | 5 12 | 8 28 | 1 53 | 9 46 | 1 49 | 23 58 | 1 26 | 24 49 | 1 4 | 24 8 | 0 25 | 3 26 | 0 44 | 12 16 | 1 45 | 26 32 | 17 31 | 16 42 | 17 1 | 4 32 | | | n.a. |
| T 3 | 9 37 | 9 54 | 5 14 | 8 1 | 2 9 | 9 22 | 1 51 | 24 3 | 1 25 | 24 48 | 1 4 | 24 8 | 0 25 | 3 26 | 0 44 | 12 15 | 1 45 | 26 31 | 17 31 | 16 41 | 17 1 | 4 34 | | | n.a. |
| W 4 | 9 59 | 5 10 | 4 56 | 7 35 | 2 24 | 8 59 | 1 53 | 24 8 | 1 25 | 24 48 | 1 4 | 24 9 | 0 25 | 3 27 | 0 44 | 12 15 | 1 45 | 26 31 | 17 30 | 16 41 | 17 0 | 4 36 | | | n.a. |
| T 5 | 10 20 | 0 2 | 4 18 | 7 9 | 2 38 | 8 35 | 1 55 | 24 13 | 1 25 | 24 47 | 1 4 | 24 9 | 0 25 | 3 28 | 0 44 | 12 14 | 1 45 | 26 31 | 17 30 | 16 40 | 16 59 | 4 38 | | | n.a. |
| F 6 | 10 41 | 5s11 | 3 22 | 6 44 | 2 51 | 8 11 | 1 57 | 24 17 | 1 25 | 24 47 | 1 4 | 24 9 | 0 25 | 3 29 | 0 44 | 12 14 | 1 45 | 26 31 | 17 29 | 16 39 | 16 58 | 4 41 | | | n.a. |
| S 7 | 11 2 | 10 7 | 2 12 | 6 21 | 3 3 | 7 46 | 1 59 | 24 21 | 1 25 | 24 46 | 1 4 | 24 10 | 0 25 | 3 30 | 0 43 | 12 13 | 1 45 | 26 31 | 17 29 | 16 39 | 16 57 | 4 43 | | | n.a. |
| S 8 | 11 22 | 14 24 | 0 53 | 6 0 | 3 15 | 7 22 | 2 0 | 24 26 | 1 25 | 24 46 | 1 4 | 24 10 | 0 25 | 3 30 | 0 43 | 12 13 | 1 45 | 26 31 | 17 28 | 16 38 | 16 56 | 4 45 | | | n.a. |
| M 9 | 11 43 | 17 41 | 0n29 | 5 41 | 3 24 | 6 57 | 2 2 | 24 30 | 1 24 | 24 45 | 1 4 | 24 10 | 0 25 | 3 31 | 0 43 | 12 12 | 1 45 | 26 31 | 17 28 | 16 38 | 16 55 | 4 47 | | | n.a. |
| T 10 | 12 3 | 19 45 | 1 47 | 5 24 | 3 33 | 6 31 | 2 3 | 24 33 | 1 24 | 24 45 | 1 3 | 24 11 | 0 25 | 3 32 | 0 43 | 12 12 | 1 45 | 26 30 | 17 27 | 16 39 | 16 54 | 4 49 | | | n.a. |
| W11 | 12 24 | 20 30 | 2 57 | 5 9 | 3 40 | 6 6 | 2 4 | 24 37 | 1 24 | 24 44 | 1 3 | 24 11 | 0 25 | 3 32 | 0 43 | 12 11 | 1 45 | 26 30 | 17 27 | 16 39 | 16 53 | 4 51 | | | n.a. |
| T 12 | 12 44 | 20 0 | 3 54 | 4 57 | 3 46 | 5 40 | 2 5 | 24 41 | 1 24 | 24 43 | 1 3 | 24 11 | 0 25 | 3 33 | 0 43 | 12 10 | 1 45 | 26 30 | 17 26 | 16 39 | 16 52 | 4 53 | | | n.a. |
| F 13 | 13 3 | 18 24 | 4 37 | 4 48 | 3 51 | 5 14 | 2 7 | 24 44 | 1 24 | 24 43 | 1 3 | 24 12 | 0 25 | 3 34 | 0 43 | 12 10 | 1 45 | 26 30 | 17 26 | 16 39 | 16 51 | 4 55 | | | n.a. |
| S 14 | 13 23 | 15 55 | 5 4 | 4 41 | 3 55 | 4 48 | 2 7 | 24 47 | 1 24 | 24 42 | 1 3 | 24 12 | 0 25 | 3 34 | 0 43 | 12 9 | 1 45 | 26 29 | 17 25 | 16 40 | 16 50 | 4 57 | | | n.a. |
| S 15 | 13 42 | 12 46 | 5 16 | 4 38 | 3 57 | 4 22 | 2 8 | 24 50 | 1 23 | 24 41 | 1 3 | 24 12 | 0 25 | 3 35 | 0 43 | 12 9 | 1 45 | 26 29 | 17 25 | 16 40 | 16 49 | 4 59 | | | n.a. |
| M16 | 14 2 | 9 8 | 5 14 | 4 37 | 3 58 | 3 55 | 2 9 | 24 53 | 1 23 | 24 41 | 1 3 | 24 13 | 0 25 | 3 36 | 0 43 | 12 8 | 1 45 | 26 29 | 17 24 | 16 39 | 16 48 | 5 2 | | | n.a. |
| T 17 | 14 21 | 5 11 | 4 58 | 4 40 | 3 57 | 3 29 | 2 10 | 24 56 | 1 23 | 24 40 | 1 3 | 24 13 | 0 25 | 3 36 | 0 43 | 12 8 | 1 45 | 26 29 | 17 24 | 16 39 | 16 47 | 5 4 | | | n.a. |
| W18 | 14 39 | 1 5 | 4 29 | 4 45 | 3 56 | 3 2 | 2 10 | 24 58 | 1 23 | 24 39 | 1 3 | 24 13 | 0 26 | 3 37 | 0 43 | 12 7 | 1 45 | 26 28 | 17 23 | 16 39 | 16 46 | 5 6 | | | n.a. |
| T 19 | 14 58 | 3n 3 | 3 49 | 4 53 | 3 53 | 2 35 | 2 11 | 25 1 | 1 23 | 24 39 | 1 3 | 24 14 | 0 26 | 3 37 | 0 43 | 12 7 | 1 45 | 26 28 | 17 23 | 16 39 | 16 45 | 5 8 | | | n.a. |
| F 20 | 15 16 | 7 4 | 2 59 | 5 5 | 3 49 | 2 7 | 2 11 | 25 3 | 1 22 | 24 38 | 1 3 | 24 14 | 0 26 | 3 38 | 0 43 | 12 6 | 1 45 | 26 28 | 17 22 | 16 39 | 16 45 | 5 10 | | | n.a. |
| S 21 | 15 34 | 10 50 | 2 1 | 5 18 | 3 45 | 1 40 | 2 11 | 25 5 | 1 22 | 24 37 | 1 3 | 24 14 | 0 26 | 3 38 | 0 43 | 12 6 | 1 45 | 26 27 | 17 21 | 16 38 | 16 44 | 5 12 | | | n.a. |
| S 22 | 15 52 | 14 12 | 0 57 | 5 35 | 3 39 | 1 13 | 2 11 | 25 7 | 1 22 | 24 36 | 1 3 | 24 14 | 0 26 | 3 39 | 0 43 | 12 5 | 1 45 | 26 27 | 17 21 | 16 38 | 16 43 | 5 14 | | | n.a. |
| M23 | 16 10 | 17 0 | 0s 9 | 5 54 | 3 33 | 0 45 | 2 11 | 25 8 | 1 22 | 24 36 | 1 3 | 24 15 | 0 26 | 3 39 | 0 43 | 12 5 | 1 45 | 26 26 | 17 20 | 16 38 | 16 42 | 5 16 | | | n.a. |
| T 24 | 16 27 | 19 4 | 1 17 | 6 16 | 3 26 | 0 17 | 2 11 | 25 10 | 1 22 | 24 35 | 1 2 | 24 15 | 0 26 | 3 40 | 0 43 | 12 4 | 1 45 | 26 26 | 17 20 | 16 38 | 16 41 | 5 18 | | | n.a. |
| W25 | 16 44 | 20 15 | 2 21 | 6 40 | 3 18 | 0n10 | 2 11 | 25 11 | 1 21 | 24 34 | 1 2 | 24 15 | 0 26 | 3 40 | 0 43 | 12 4 | 1 45 | 26 26 | 17 19 | 16 38 | 16 40 | 5 20 | | | n.a. |
| T 26 | 17 1 | 20 27 | 3 20 | 7 6 | 3 9 | 0 38 | 2 11 | 25 12 | 1 21 | 24 33 | 1 2 | 24 16 | 0 26 | 3 41 | 0 43 | 12 3 | 1 45 | 26 25 | 17 19 | 16 38 | 16 39 | 5 22 | | | n.a. |
| F 27 | 17 18 | 19 35 | 4 10 | 7 35 | 2 59 | 1 6 | 2 10 | 25 13 | 1 21 | 24 32 | 1 2 | 24 16 | 0 26 | 3 41 | 0 43 | 12 3 | 1 45 | 26 25 | 17 18 | 16 38 | 16 38 | 5 24 | | | n.a. |
| S 28 | 17 34 | 17 41 | 4 48 | 8 6 | 2 49 | 1 34 | 2 10 | 25 14 | 1 21 | 24 31 | 1 2 | 24 16 | 0 26 | 3 41 | 0 43 | 12 2 | 1 45 | 26 24 | 17 17 | 16 38 | 16 37 | 5 27 | | | n.a. |
| S 29 | 17 50 | 14 47 | 5 11 | 8 39 | 2 39 | 2 2 | 2 9 | 25 14 | 1 21 | 24 31 | 1 2 | 24 17 | 0 26 | 3 42 | 0 43 | 12 2 | 1 45 | 26 24 | 17 17 | 16 38 | 16 36 | 5 29 | | | n.a. |
| M30 | 18 6 | 11 3 | 5 17 | 9 13 | 2 28 | 2 30 | 2 9 | 25 15 | 1 20 | 24 30 | 1 2 | 24 17 | 0 26 | 3 42 | 0 43 | 12 1 | 1 45 | 26 23 | 17 16 | 16 38 | 16 35 | 5 31 | | | n.a. |
| T 31 | 18n22 | 6n38 | 5s 5 | 9n50 | 2s17 | 2n58 | 2s 8 | 25n15 | 1n20 | 24n29 | 1n 2 | 24n17 | 0n26 | 3n42 | 0n43 | 12s 0 | 1n45 | 26n23 | 17n16 | 16s38 | 16s34 | 5n33 | | | n.a. |

Julian Day Number = 1001635.5, Delta T = 12h50m29s
Ecliptic obliquity = 23°55'10, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'37, Lahiri = -31°07'37 Julian Calendar 1 May 1971 BCE == Greg. Calendar 14 Apr. 1971 BCE

The year -1970 astronomical counting style corresponds to year 1971 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## JUNE 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 30 8 | 21♉56'04 | 15♍ 7 | 2♉ 1 | 13♈23 | 29♊24 | 11♋14 | 25♊49 | 22°R26 | 5°R34 | 3♍27 | 14♏55 | 14♏38 | 6♈37 | n.a. | W 1 |
| T 2 | 15 34 5 | 22°53'11 | 29°37 | 3°22 | 14°32 | 0♋ 2 | 11°25 | 25°56 | 22♍25 | 5♏32 | 3°27 | 14°56 | 14°35 | 6°43 | n.a. | T 2 |
| F 3 | 15 38 2 | 23°50'19 | 14♎19 | 4°48 | 15°41 | 0°39 | 11°35 | 26° 3 | 22°24 | 5°31 | 3°27 | 14°57 | 14°32 | 6°50 | n.a. | F 3 |
| S 4 | 15 41 58 | 24°47'27 | 29° 5 | 6°18 | 16°50 | 1°16 | 11°46 | 26°10 | 22°23 | 5°29 | 3°27 | 14°57 | 14°29 | 6°57 | n.a. | S 4 |
| S 5 | 15 45 55 | 25°44'36 | 13♏51 | 7°51 | 18° 0 | 1°54 | 11°57 | 26°17 | 22°23 | 5°28 | 3°28 | 14°R57 | 14°26 | 7° 3 | n.a. | S 5 |
| M 6 | 15 49 51 | 26°41'45 | 28°28 | 9°29 | 19° 9 | 2°31 | 12° 8 | 26°23 | 22°22 | 5°26 | 3°28 | 14°57 | 14°22 | 7°10 | n.a. | M 6 |
| T 7 | 15 53 48 | 27°38'56 | 12♐51 | 11°10 | 20°19 | 3° 8 | 12°19 | 26°30 | 22°21 | 5°25 | 3°28 | 14°56 | 14°19 | 7°17 | n.a. | T 7 |
| W 8 | 15 57 44 | 28°36'07 | 26°55 | 12°55 | 21°29 | 3°46 | 12°29 | 26°37 | 22°21 | 5°23 | 3°28 | 14°55 | 14°16 | 7°23 | n.a. | W 8 |
| T 9 | 16 1 41 | 29°33'19 | 10♑35 | 14°43 | 22°38 | 4°24 | 12°41 | 26°44 | 22°20 | 5°22 | 3°29 | 14°53 | 14°13 | 7°30 | n.a. | T 9 |
| F 10 | 16 5 38 | 0♒30'32 | 23°52 | 16°34 | 23°48 | 5° 1 | 12°52 | 26°51 | 22°20 | 5°20 | 3°29 | 14°51 | 14°10 | 7°37 | n.a. | F 10 |
| S 11 | 16 9 34 | 1°27'46 | 6♓45 | 18°28 | 24°58 | 5°39 | 13° 3 | 26°58 | 22°20 | 5°19 | 3°29 | 14°49 | 14° 7 | 7°43 | n.a. | S 11 |
| S 12 | 16 13 31 | 2°25'02 | 19°17 | 20°25 | 26° 8 | 6°16 | 13°14 | 27° 6 | 22°19 | 5°18 | 3°30 | 14°48 | 14° 3 | 7°50 | n.a. | S 12 |
| M13 | 16 17 27 | 3°22'18 | 1♈32 | 22°24 | 27°19 | 6°54 | 13°25 | 27°13 | 22°19 | 5°16 | 3°30 | 14°D48 | 14° 0 | 7°57 | n.a. | M13 |
| T 14 | 16 21 24 | 4°19'36 | 13°33 | 24°25 | 28°29 | 7°32 | 13°37 | 27°20 | 22°19 | 5°15 | 3°30 | 14°48 | 13°57 | 8° 3 | n.a. | T 14 |
| W15 | 16 25 20 | 5°16'55 | 25°27 | 26°27 | 29°39 | 8°10 | 13°48 | 27°27 | 22°19 | 5°13 | 3°31 | 14°49 | 13°54 | 8°10 | n.a. | W15 |
| T 16 | 16 29 17 | 6°14'15 | 7♈16 | 28°30 | 0♉50 | 8°47 | 14° 0 | 27°34 | 22°18 | 5°12 | 3°31 | 14°50 | 13°51 | 8°17 | n.a. | T 16 |
| F 17 | 16 33 13 | 7°11'37 | 19° 7 | 0♊35 | 2° 0 | 9°25 | 14°11 | 27°41 | 22°18 | 5°11 | 3°32 | 14°52 | 13°47 | 8°23 | n.a. | F 17 |
| S 18 | 16 37 10 | 8° 9'00 | 1♉ 2 | 2°40 | 3°11 | 10° 3 | 14°23 | 27°49 | 22°D18 | 5° 9 | 3°33 | 14°53 | 13°44 | 8°30 | n.a. | S 18 |
| S 19 | 16 41 7 | 9° 6'25 | 13° 6 | 4°45 | 4°21 | 10°41 | 14°35 | 27°56 | 22°18 | 5° 8 | 3°33 | 14°R54 | 13°41 | 8°37 | n.a. | S 19 |
| M20 | 16 45 3 | 10° 3'50 | 25°22 | 6°50 | 5°32 | 11°19 | 14°46 | 28° 3 | 22°18 | 5° 7 | 3°34 | 14°54 | 13°38 | 8°43 | n.a. | M20 |
| T 21 | 16 49 0 | 11° 1'17 | 7♊50 | 8°55 | 6°43 | 11°57 | 14°58 | 28°11 | 22°19 | 5° 6 | 3°35 | 14°52 | 13°35 | 8°50 | n.a. | T 21 |
| W22 | 16 52 56 | 11°58'46 | 20°33 | 11° 0 | 7°54 | 12°35 | 15°10 | 28°18 | 22°19 | 5° 4 | 3°35 | 14°49 | 13°32 | 8°57 | n.a. | W22 |
| T 23 | 16 56 53 | 12°56'15 | 3♋31 | 13° 3 | 9° 5 | 13°14 | 15°22 | 28°25 | 22°19 | 5° 3 | 3°36 | 14°45 | 13°28 | 9° 3 | n.a. | T 23 |
| F 24 | 17 0 49 | 13°53'46 | 16°43 | 15° 6 | 10°16 | 13°52 | 15°34 | 28°33 | 22°19 | 5° 2 | 3°37 | 14°41 | 13°25 | 9°10 | n.a. | F 24 |
| S 25 | 17 4 46 | 14°51'18 | 0♌ 9 | 17° 8 | 11°27 | 14°30 | 15°46 | 28°40 | 22°20 | 5° 1 | 3°38 | 14°36 | 13°22 | 9°17 | n.a. | S 25 |
| S 26 | 17 8 43 | 15°48'51 | 13°47 | 19° 9 | 12°38 | 15° 8 | 15°58 | 28°48 | 22°20 | 5° 0 | 3°38 | 14°32 | 13°19 | 9°23 | n.a. | S 26 |
| M27 | 17 12 39 | 16°46'25 | 27°37 | 21° 9 | 13°49 | 15°47 | 16°10 | 28°55 | 22°21 | 4°59 | 3°39 | 14°30 | 13°16 | 9°30 | n.a. | M27 |
| T 28 | 17 16 36 | 17°44'00 | 11♍36 | 23° 8 | 15° 1 | 16°25 | 16°22 | 29° 2 | 22°21 | 4°58 | 3°40 | 14°D28 | 13°13 | 9°37 | n.a. | T 28 |
| W29 | 17 20 32 | 18°41'36 | 25°44 | 25° 5 | 16°12 | 17° 3 | 16°34 | 29°10 | 22°22 | 4°57 | 3°41 | 14°28 | 13° 9 | 9°43 | n.a. | W29 |
| T 30 | 17 24 29 | 19♊39'14 | 9♎58 | 27♊ 0 | 17♉24 | 17♋42 | 16♋47 | 29♊17 | 22♍22 | 4♏55 | 3♍42 | 14♏29 | 13♏ 6 | 9♈50 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 18n37 | 1n46 | 4s35 | 10n28 | 2s 5 | 3n26 | 2s 7 | 25n15 | 1n20 | 24n28 | 1n 2 | 24n17 | 0n26 | 3n43 | 0n43 | 12s 0 | 1n44 | 26n22 | 17n15 | 16s38 | 16s33 | 5n35 | | n.a. |
| T 2 | 18 52 | 3s17 | 3 46 | 11 7 | 1 53 | 3 54 | 2 6 | 25 15 | 1 20 | 24 27 | 1 2 | 24 18 | 0 26 | 3 43 | 0 43 | 12 0 | 1 44 | 26 22 | 17 15 | 16 38 | 16 32 | 5 37 | | n.a. |
| F 3 | 19 6 | 8 14 | 2 42 | 11 48 | 1 40 | 4 22 | 2 5 | 25 15 | 1 19 | 24 26 | 1 2 | 24 18 | 0 26 | 3 43 | 0 43 | 11 59 | 1 44 | 26 21 | 17 14 | 16 39 | 16 31 | 5 39 | | n.a. |
| S 4 | 19 21 | 12 43 | 1 27 | 12 30 | 1 28 | 4 50 | 2 4 | 25 14 | 1 19 | 24 25 | 1 2 | 24 18 | 0 27 | 3 44 | 0 42 | 11 59 | 1 44 | 26 20 | 17 13 | 16 39 | 16 30 | 5 41 | | n.a. |
| S 5 | 19 35 | 16 25 | 0 6 | 13 13 | 1 15 | 5 18 | 2 3 | 25 13 | 1 19 | 24 24 | 1 2 | 24 19 | 0 27 | 3 44 | 0 42 | 11 58 | 1 44 | 26 20 | 17 13 | 16 39 | 16 29 | 5 43 | | n.a. |
| M 6 | 19 48 | 19 1 | 1n14 | 13 57 | 1 3 | 5 46 | 2 2 | 25 12 | 1 19 | 24 23 | 1 2 | 24 19 | 0 27 | 3 44 | 0 42 | 11 58 | 1 44 | 26 19 | 17 12 | 16 39 | 16 28 | 5 45 | | n.a. |
| T 7 | 20 2 | 20 20 | 2 29 | 14 41 | 0 50 | 6 14 | 2 1 | 25 11 | 1 19 | 24 22 | 1 2 | 24 19 | 0 27 | 3 44 | 0 42 | 11 57 | 1 44 | 26 19 | 17 12 | 16 39 | 16 27 | 5 47 | | n.a. |
| W 8 | 20 15 | 20 21 | 3 32 | 15 26 | 0 37 | 6 42 | 1 59 | 25 10 | 1 18 | 24 21 | 1 2 | 24 19 | 0 27 | 3 44 | 0 42 | 11 57 | 1 44 | 26 18 | 17 11 | 16 38 | 16 26 | 5 49 | | n.a. |
| T 9 | 20 28 | 19 9 | 4 21 | 16 11 | 0 25 | 7 10 | 1 58 | 25 9 | 1 18 | 24 19 | 1 2 | 24 20 | 0 27 | 3 45 | 0 42 | 11 56 | 1 44 | 26 17 | 17 10 | 16 38 | 16 25 | 5 51 | | n.a. |
| F 10 | 20 40 | 16 55 | 4 55 | 16 55 | 0 13 | 7 37 | 1 56 | 25 7 | 1 18 | 24 18 | 1 2 | 24 20 | 0 27 | 3 45 | 0 42 | 11 56 | 1 44 | 26 17 | 17 10 | 16 37 | 16 24 | 5 53 | | n.a. |
| S 11 | 20 52 | 13 55 | 5 13 | 17 39 | 0 1 | 8 5 | 1 55 | 25 5 | 1 18 | 24 17 | 1 2 | 24 20 | 0 27 | 3 45 | 0 42 | 11 55 | 1 44 | 26 16 | 17 9 | 16 36 | 16 24 | 5 55 | | n.a. |
| S 12 | 21 4 | 10 21 | 5 15 | 18 23 | 0n10 | 8 32 | 1 53 | 25 3 | 1 17 | 24 16 | 1 2 | 24 20 | 0 27 | 3 45 | 0 42 | 11 55 | 1 44 | 26 15 | 17 9 | 16 36 | 16 23 | 5 57 | | n.a. |
| M13 | 21 15 | 6 26 | 5 3 | 19 5 | 0 21 | 8 59 | 1 51 | 25 1 | 1 17 | 24 15 | 1 2 | 24 21 | 0 27 | 3 45 | 0 42 | 11 54 | 1 44 | 26 15 | 17 8 | 16 36 | 16 22 | 5 59 | | n.a. |
| T 14 | 21 26 | 2 20 | 4 37 | 19 46 | 0 32 | 9 27 | 1 50 | 24 59 | 1 17 | 24 14 | 1 2 | 24 21 | 0 27 | 3 45 | 0 42 | 11 54 | 1 44 | 26 14 | 17 7 | 16 36 | 16 21 | 6 1 | | n.a. |
| W15 | 21 37 | 1n49 | 4 0 | 20 26 | 0 42 | 9 54 | 1 48 | 24 56 | 1 17 | 24 12 | 1 2 | 24 21 | 0 27 | 3 45 | 0 42 | 11 54 | 1 44 | 26 13 | 17 7 | 16 36 | 16 20 | 6 3 | | n.a. |
| T 16 | 21 47 | 5 53 | 3 13 | 21 4 | 0 51 | 10 20 | 1 46 | 24 53 | 1 16 | 24 11 | 1 1 | 24 21 | 0 27 | 3 45 | 0 42 | 11 53 | 1 44 | 26 12 | 17 6 | 16 37 | 16 19 | 6 5 | | n.a. |
| F 17 | 21 57 | 9 44 | 2 17 | 21 39 | 1 0 | 10 47 | 1 44 | 24 50 | 1 16 | 24 10 | 1 1 | 24 21 | 0 27 | 3 45 | 0 42 | 11 53 | 1 44 | 26 12 | 17 6 | 16 37 | 16 18 | 6 7 | | n.a. |
| S 18 | 22 6 | 13 15 | 1 16 | 22 13 | 1 8 | 11 14 | 1 42 | 24 47 | 1 16 | 24 9 | 1 1 | 24 22 | 0 28 | 3 45 | 0 42 | 11 52 | 1 44 | 26 11 | 17 5 | 16 38 | 16 17 | 6 10 | | n.a. |
| S 19 | 22 15 | 16 15 | 0 10 | 22 45 | 1 15 | 11 40 | 1 40 | 24 44 | 1 15 | 24 7 | 1 1 | 24 22 | 0 28 | 3 45 | 0 42 | 11 52 | 1 44 | 26 10 | 17 5 | 16 38 | 16 16 | 6 12 | | n.a. |
| M20 | 22 24 | 18 34 | 0s57 | 23 14 | 1 22 | 12 6 | 1 38 | 24 40 | 1 15 | 24 6 | 1 1 | 24 22 | 0 28 | 3 45 | 0 42 | 11 52 | 1 44 | 26 9 | 17 4 | 16 38 | 16 15 | 6 14 | | n.a. |
| T 21 | 22 33 | 20 2 | 2 3 | 23 40 | 1 28 | 12 32 | 1 36 | 24 37 | 1 15 | 24 5 | 1 1 | 24 22 | 0 28 | 3 45 | 0 42 | 11 51 | 1 44 | 26 9 | 17 3 | 16 37 | 16 14 | 6 16 | | n.a. |
| W22 | 22 41 | 20 32 | 3 3 | 24 4 | 1 33 | 12 57 | 1 33 | 24 33 | 1 15 | 24 3 | 1 1 | 24 22 | 0 28 | 3 45 | 0 42 | 11 51 | 1 44 | 26 8 | 17 3 | 16 36 | 16 13 | 6 18 | | n.a. |
| T 23 | 22 48 | 19 57 | 3 56 | 24 26 | 1 37 | 13 22 | 1 31 | 24 29 | 1 14 | 24 2 | 1 1 | 24 22 | 0 28 | 3 45 | 0 42 | 11 50 | 1 44 | 26 7 | 17 2 | 16 35 | 16 12 | 6 20 | | n.a. |
| F 24 | 22 55 | 18 17 | 4 36 | 24 45 | 1 41 | 13 47 | 1 29 | 24 25 | 1 14 | 24 0 | 1 1 | 24 23 | 0 28 | 3 44 | 0 42 | 11 50 | 1 44 | 26 6 | 17 2 | 16 34 | 16 11 | 6 22 | | n.a. |
| S 25 | 23 2 | 15 36 | 5 3 | 25 1 | 1 44 | 14 12 | 1 26 | 24 20 | 1 14 | 23 59 | 1 1 | 24 23 | 0 28 | 3 44 | 0 42 | 11 50 | 1 44 | 26 5 | 17 1 | 16 32 | 16 10 | 6 24 | | n.a. |
| S 26 | 23 9 | 12 2 | 5 13 | 25 14 | 1 47 | 14 37 | 1 24 | 24 15 | 1 14 | 23 57 | 1 1 | 24 23 | 0 28 | 3 44 | 0 42 | 11 49 | 1 44 | 26 4 | 17 1 | 16 31 | 16 9 | 6 26 | | n.a. |
| M27 | 23 15 | 7 47 | 5 4 | 25 25 | 1 48 | 15 1 | 1 22 | 24 11 | 1 13 | 23 56 | 1 1 | 24 23 | 0 28 | 3 44 | 0 42 | 11 49 | 1 44 | 26 4 | 17 0 | 16 30 | 16 8 | 6 28 | | n.a. |
| T 28 | 23 20 | 3 4 | 4 38 | 25 33 | 1 49 | 15 24 | 1 19 | 24 6 | 1 13 | 23 54 | 1 1 | 24 23 | 0 28 | 3 44 | 0 41 | 11 49 | 1 43 | 26 3 | 16 59 | 16 30 | 16 7 | 6 30 | | n.a. |
| W29 | 23 26 | 1s51 | 3 55 | 25 39 | 1 50 | 15 48 | 1 16 | 24 0 | 1 13 | 23 53 | 1 1 | 24 23 | 0 28 | 3 43 | 0 41 | 11 48 | 1 43 | 26 2 | 16 59 | 16 30 | 16 6 | 6 32 | | n.a. |
| T 30 | 23n30 | 6s44 | 2s57 | 25n42 | 1n49 | 16n11 | 1s14 | 23n55 | 1n12 | 23n51 | 1n 1 | 24n23 | 0n28 | 3n43 | 0n41 | 11s48 | 1n43 | 26n 1 | 16n58 | 16s30 | 16s 5 | 6n34 | | n.a. |

Julian Day Number = 1001666.5, Delta T = 12h50m27s
Ecliptic obliquity = 23°55'10, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'33, Lahiri = -31°07'32 Julian Calendar 1 June 1971 BCE == Greg. Calendar 15 May 1971 BCE

The year -1970 astronomical counting style corresponds to year 1971 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## JULY 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 28 25 | 20♊36'52 | 24♎17 | 28♊55 | 18♉35 | 18♋20 | 16♋59 | 29♊25 | 22♍23 | 4°R54 | 3♍43 | 14♏31 | 13♏ 3 | 9♈57 | n.a. | F 1 |
| S 2 | 17 32 22 | 21°34'32 | 8♏39 | 0♋48 | 19°47 | 18°59 | 17°11 | 29°32 | 22°24 | 4♏53 | 3°44 | 14°R32 | 13° 0 | 10° 3 | n.a. | S 2 |
| S 3 | 17 36 18 | 22°32'14 | 22°59 | 2°39 | 20°58 | 19°37 | 17°24 | 29°40 | 22°24 | 4°53 | 3°45 | 14°32 | 12°57 | 10°10 | n.a. | S 3 |
| M 4 | 17 40 15 | 23°29'56 | 7♐13 | 4°30 | 22°10 | 20°16 | 17°36 | 29°47 | 22°25 | 4°52 | 3°46 | 14°30 | 12°53 | 10°17 | n.a. | M 4 |
| T 5 | 17 44 12 | 24°27'41 | 21°18 | 6°18 | 23°22 | 20°55 | 17°49 | 29°55 | 22°26 | 4°51 | 3°48 | 14°26 | 12°50 | 10°23 | n.a. | T 5 |
| W 6 | 17 48 8 | 25°25'27 | 5♑ 8 | 8° 6 | 24°34 | 21°33 | 18° 1 | 0♋ 3 | 22°27 | 4°50 | 3°49 | 14°21 | 12°47 | 10°30 | n.a. | W 6 |
| T 7 | 17 52 5 | 26°23'14 | 18°40 | 9°52 | 25°46 | 22°12 | 18°14 | 0°10 | 22°28 | 4°49 | 3°50 | 14°14 | 12°44 | 10°37 | n.a. | T 7 |
| F 8 | 17 56 1 | 27°21'04 | 1♒53 | 11°36 | 26°58 | 22°51 | 18°26 | 0°18 | 22°29 | 4°48 | 3°51 | 14° 7 | 12°41 | 10°43 | n.a. | F 8 |
| S 9 | 17 59 58 | 28°18'55 | 14°44 | 13°20 | 28°10 | 23°30 | 18°39 | 0°25 | 22°30 | 4°47 | 3°52 | 14° 0 | 12°38 | 10°50 | n.a. | S 9 |
| S 10 | 18 3 54 | 29°16'48 | 27°16 | 15° 1 | 29°22 | 24° 9 | 18°52 | 0°33 | 22°31 | 4°47 | 3°54 | 13°54 | 12°34 | 10°57 | n.a. | S 10 |
| M11 | 18 7 51 | 0♋14'43 | 9♓31 | 16°42 | 0♊35 | 24°48 | 19° 4 | 0°40 | 22°32 | 4°46 | 3°55 | 13°50 | 12°31 | 11° 3 | n.a. | M11 |
| T 12 | 18 11 47 | 1°12'40 | 21°33 | 18°21 | 1°47 | 25°27 | 19°17 | 0°48 | 22°33 | 4°45 | 3°56 | 13°48 | 12°28 | 11°10 | n.a. | T 12 |
| W13 | 18 15 44 | 2°10'38 | 3♈26 | 19°59 | 2°59 | 26° 6 | 19°30 | 0°55 | 22°35 | 4°44 | 3°58 | 13°D47 | 12°25 | 11°17 | n.a. | W13 |
| T 14 | 18 19 41 | 3° 8'40 | 15°16 | 21°35 | 4°12 | 26°45 | 19°42 | 1° 3 | 22°36 | 4°44 | 3°59 | 13°48 | 12°22 | 11°23 | n.a. | T 14 |
| F 15 | 18 23 37 | 4° 6'43 | 27° 7 | 23°11 | 5°24 | 27°24 | 19°55 | 1°11 | 22°37 | 4°43 | 4° 1 | 13°49 | 12°19 | 11°30 | n.a. | F 15 |
| S 16 | 18 27 34 | 5° 4'48 | 9♉ 5 | 24°45 | 6°37 | 28° 3 | 20° 8 | 1°18 | 22°39 | 4°42 | 4° 2 | 13°R50 | 12°15 | 11°37 | n.a. | S 16 |
| S 17 | 18 31 30 | 6° 2'55 | 21°14 | 26°17 | 7°50 | 28°42 | 20°21 | 1°26 | 22°40 | 4°42 | 4° 4 | 13°50 | 12°12 | 11°43 | n.a. | S 17 |
| M18 | 18 35 27 | 7° 1'05 | 3♊39 | 27°48 | 9° 2 | 29°22 | 20°34 | 1°33 | 22°42 | 4°41 | 4° 5 | 13°48 | 12° 9 | 11°50 | n.a. | M18 |
| T 19 | 18 39 23 | 7°59'16 | 16°21 | 29°18 | 10°15 | 0♌ 1 | 20°47 | 1°41 | 22°43 | 4°41 | 4° 7 | 13°44 | 12° 6 | 11°57 | n.a. | T 19 |
| W20 | 18 43 20 | 8°57'30 | 29°22 | 0♌47 | 11°28 | 0°40 | 20°59 | 1°48 | 22°45 | 4°40 | 4° 8 | 13°37 | 12° 3 | 12° 3 | n.a. | W20 |
| T 21 | 18 47 16 | 9°55'46 | 12♋43 | 2°14 | 12°41 | 1°20 | 21°12 | 1°56 | 22°47 | 4°40 | 4°10 | 13°29 | 11°59 | 12°10 | n.a. | T 21 |
| F 22 | 18 51 13 | 10°54'03 | 26°21 | 3°40 | 13°54 | 1°59 | 21°25 | 2° 3 | 22°48 | 4°39 | 4°12 | 13°19 | 11°56 | 12°17 | n.a. | F 22 |
| S 23 | 18 55 10 | 11°52'22 | 10♌13 | 5° 5 | 15° 7 | 2°39 | 21°38 | 2°11 | 22°50 | 4°39 | 4°13 | 13°10 | 11°53 | 12°23 | n.a. | S 23 |
| S 24 | 18 59 6 | 12°50'44 | 24°15 | 6°28 | 16°20 | 3°18 | 21°51 | 2°18 | 22°52 | 4°39 | 4°15 | 13° 1 | 11°50 | 12°30 | n.a. | S 24 |
| M25 | 19 3 3 | 13°49'07 | 8♍23 | 7°50 | 17°33 | 3°58 | 22° 4 | 2°26 | 22°54 | 4°38 | 4°17 | 12°54 | 11°47 | 12°37 | n.a. | M25 |
| T 26 | 19 6 59 | 14°47'31 | 22°34 | 9°10 | 18°47 | 4°38 | 22°17 | 2°33 | 22°56 | 4°38 | 4°18 | 12°50 | 11°44 | 12°43 | n.a. | T 26 |
| W27 | 19 10 56 | 15°45'58 | 6♎44 | 10°29 | 20° 0 | 5°17 | 22°30 | 2°41 | 22°58 | 4°38 | 4°20 | 12°48 | 11°40 | 12°50 | n.a. | W27 |
| T 28 | 19 14 52 | 16°44'26 | 20°53 | 11°47 | 21°13 | 5°57 | 22°43 | 2°48 | 23° 0 | 4°38 | 4°22 | 12°D48 | 11°37 | 12°57 | n.a. | T 28 |
| F 29 | 19 18 49 | 17°42'56 | 4♏58 | 13° 2 | 22°27 | 6°37 | 22°56 | 2°55 | 23° 2 | 4°37 | 4°24 | 12°48 | 11°34 | 13° 3 | n.a. | F 29 |
| S 30 | 19 22 45 | 18°41'28 | 18°58 | 14°16 | 23°40 | 7°17 | 23° 9 | 3° 3 | 23° 4 | 4°37 | 4°26 | 12°R48 | 11°31 | 13°10 | n.a. | S 30 |
| S 31 | 19 26 42 | 19♋40'01 | 2♐54 | 15♌28 | 24♊54 | 7♌57 | 23♋23 | 3♋10 | 23♍ 6 | 4♏37 | 4♍27 | 12♏47 | 11♏28 | 13♈17 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n35 | 11s16 | 1s48 | 25n44 | 1n49 | 16n34 | 1s11 | 23n49 | 1n12 | 23n50 | 1n 1 | 24n24 | 0n28 | 3n43 | 0n41 | 11s48 | 1n43 | 26n 0 | 16n58 | 16s31 | 16s 4 | 6n36 | | n.a. |
| S 2 | 23 39 | 15 10 | 0 32 | 25 42 | 1 47 | 16 56 | 1 9 | 23 44 | 1 12 | 23 48 | 1 1 | 24 24 | 0 29 | 3 42 | 0 41 | 11 48 | 1 43 | 25 59 | 16 57 | 16 31 | 16 3 | 6 38 | | n.a. |
| S 3 | 23 42 | 18 9 | 0n46 | 25 39 | 1 46 | 17 18 | 1 6 | 23 38 | 1 11 | 23 46 | 1 1 | 24 24 | 0 29 | 3 42 | 0 41 | 11 47 | 1 43 | 25 58 | 16 57 | 16 31 | 16 2 | 6 40 | | n.a. |
| M 4 | 23 45 | 19 58 | 2 0 | 25 34 | 1 43 | 17 40 | 1 3 | 23 32 | 1 11 | 23 45 | 1 1 | 24 24 | 0 29 | 3 42 | 0 41 | 11 47 | 1 43 | 25 57 | 16 56 | 16 31 | 16 1 | 6 42 | | n.a. |
| T 5 | 23 48 | 20 32 | 3 6 | 25 26 | 1 41 | 18 1 | 1 1 | 23 25 | 1 11 | 23 43 | 1 1 | 24 24 | 0 29 | 3 41 | 0 41 | 11 47 | 1 43 | 25 56 | 16 56 | 16 29 | 16 0 | 6 44 | | n.a. |
| W 6 | 23 50 | 19 49 | 4 0 | 25 17 | 1 37 | 18 21 | 0 58 | 23 19 | 1 11 | 23 41 | 1 1 | 24 24 | 0 29 | 3 41 | 0 41 | 11 46 | 1 43 | 25 55 | 16 55 | 16 28 | 15 59 | 6 46 | | n.a. |
| T 7 | 23 52 | 17 59 | 4 39 | 25 6 | 1 34 | 18 42 | 0 55 | 23 12 | 1 10 | 23 40 | 1 1 | 24 24 | 0 29 | 3 40 | 0 41 | 11 46 | 1 43 | 25 54 | 16 54 | 16 26 | 15 58 | 6 48 | | n.a. |
| F 8 | 23 53 | 15 14 | 5 2 | 24 53 | 1 30 | 19 1 | 0 52 | 23 5 | 1 10 | 23 38 | 1 1 | 24 24 | 0 29 | 3 40 | 0 41 | 11 46 | 1 43 | 25 53 | 16 54 | 16 24 | 15 57 | 6 50 | | n.a. |
| S 9 | 23 54 | 11 49 | 5 9 | 24 39 | 1 25 | 19 21 | 0 50 | 22 58 | 1 10 | 23 36 | 1 1 | 24 24 | 0 29 | 3 40 | 0 41 | 11 46 | 1 43 | 25 53 | 16 53 | 16 21 | 15 56 | 6 52 | | n.a. |
| S 10 | 23 55 | 7 58 | 5 1 | 24 23 | 1 20 | 19 40 | 0 47 | 22 51 | 1 9 | 23 34 | 1 1 | 24 24 | 0 29 | 3 39 | 0 41 | 11 46 | 1 43 | 25 52 | 16 53 | 16 20 | 15 55 | 6 54 | | n.a. |
| M11 | 23 55 | 3 52 | 4 39 | 24 6 | 1 15 | 19 58 | 0 44 | 22 44 | 1 9 | 23 33 | 1 1 | 24 24 | 0 29 | 3 39 | 0 41 | 11 45 | 1 43 | 25 51 | 16 52 | 16 18 | 15 54 | 6 56 | | n.a. |
| T 12 | 23 55 | 0n19 | 4 5 | 23 47 | 1 10 | 20 16 | 0 41 | 22 36 | 1 9 | 23 31 | 1 1 | 24 24 | 0 29 | 3 38 | 0 41 | 11 45 | 1 43 | 25 50 | 16 52 | 16 18 | 15 53 | 6 58 | | n.a. |
| W13 | 23 54 | 4 27 | 3 21 | 23 27 | 1 4 | 20 33 | 0 38 | 22 28 | 1 8 | 23 29 | 1 1 | 24 24 | 0 29 | 3 37 | 0 41 | 11 45 | 1 43 | 25 49 | 16 51 | 16 18 | 15 52 | 7 0 | | n.a. |
| T 14 | 23 53 | 8 24 | 2 28 | 23 6 | 0 58 | 20 50 | 0 35 | 22 20 | 1 8 | 23 27 | 1 1 | 24 24 | 0 30 | 3 37 | 0 41 | 11 45 | 1 43 | 25 48 | 16 51 | 16 18 | 15 51 | 7 2 | | n.a. |
| F 15 | 23 51 | 12 2 | 1 29 | 22 44 | 0 52 | 21 6 | 0 33 | 22 12 | 1 8 | 23 25 | 1 1 | 24 24 | 0 30 | 3 36 | 0 41 | 11 45 | 1 43 | 25 47 | 16 50 | 16 18 | 15 50 | 7 3 | | n.a. |
| S 16 | 23 49 | 15 13 | 0 26 | 22 21 | 0 45 | 21 22 | 0 30 | 22 4 | 1 7 | 23 23 | 1 2 | 24 24 | 0 30 | 3 36 | 0 41 | 11 45 | 1 42 | 25 46 | 16 50 | 16 18 | 15 49 | 7 5 | | n.a. |
| S 17 | 23 47 | 17 47 | 0s40 | 21 57 | 0 38 | 21 37 | 0 27 | 21 55 | 1 7 | 23 21 | 1 2 | 24 24 | 0 30 | 3 35 | 0 41 | 11 44 | 1 42 | 25 44 | 16 49 | 16 18 | 15 48 | 7 7 | | n.a. |
| M18 | 23 44 | 19 36 | 1 45 | 21 32 | 0 31 | 21 51 | 0 24 | 21 47 | 1 7 | 23 19 | 1 2 | 24 24 | 0 30 | 3 34 | 0 41 | 11 44 | 1 42 | 25 43 | 16 49 | 16 18 | 15 47 | 7 9 | | n.a. |
| T 19 | 23 40 | 20 28 | 2 45 | 21 6 | 0 24 | 22 5 | 0 21 | 21 38 | 1 6 | 23 17 | 1 2 | 24 24 | 0 30 | 3 34 | 0 41 | 11 44 | 1 42 | 25 42 | 16 48 | 16 16 | 15 46 | 7 11 | | n.a. |
| W20 | 23 37 | 20 16 | 3 39 | 20 39 | 0 16 | 22 18 | 0 18 | 21 29 | 1 6 | 23 15 | 1 2 | 24 24 | 0 30 | 3 33 | 0 41 | 11 44 | 1 42 | 25 41 | 16 48 | 16 15 | 15 45 | 7 13 | | n.a. |
| T 21 | 23 32 | 18 57 | 4 22 | 20 12 | 0 9 | 22 31 | 0 15 | 21 20 | 1 6 | 23 13 | 1 2 | 24 24 | 0 30 | 3 32 | 0 41 | 11 44 | 1 42 | 25 40 | 16 47 | 16 12 | 15 44 | 7 15 | | n.a. |
| F 22 | 23 28 | 16 32 | 4 52 | 19 44 | 0 1 | 22 43 | 0 12 | 21 10 | 1 5 | 23 11 | 1 2 | 24 24 | 0 30 | 3 32 | 0 40 | 11 44 | 1 42 | 25 39 | 16 47 | 16 9 | 15 43 | 7 17 | | n.a. |
| S 23 | 23 23 | 13 9 | 5 4 | 19 16 | 0s 7 | 22 55 | 0 10 | 21 1 | 1 5 | 23 9 | 1 2 | 24 24 | 0 30 | 3 31 | 0 40 | 11 44 | 1 42 | 25 38 | 16 47 | 16 6 | 15 42 | 7 19 | | n.a. |
| S 24 | 23 17 | 9 1 | 4 59 | 18 47 | 0 15 | 23 5 | 0 7 | 20 51 | 1 4 | 23 7 | 1 2 | 24 24 | 0 30 | 3 30 | 0 40 | 11 44 | 1 42 | 25 37 | 16 46 | 16 3 | 15 41 | 7 21 | | n.a. |
| M25 | 23 11 | 4 21 | 4 35 | 18 18 | 0 24 | 23 15 | 0 4 | 20 41 | 1 4 | 23 5 | 1 2 | 24 24 | 0 31 | 3 29 | 0 40 | 11 44 | 1 42 | 25 36 | 16 46 | 16 1 | 15 40 | 7 23 | | n.a. |
| T 26 | 23 5 | 0s35 | 3 55 | 17 48 | 0 32 | 23 25 | 0 1 | 20 31 | 1 4 | 23 3 | 1 2 | 24 24 | 0 31 | 3 29 | 0 40 | 11 44 | 1 42 | 25 35 | 16 45 | 16 0 | 15 39 | 7 25 | | n.a. |
| W27 | 22 58 | 5 28 | 3 0 | 17 19 | 0 41 | 23 34 | 0n 2 | 20 21 | 1 3 | 23 1 | 1 2 | 24 24 | 0 31 | 3 28 | 0 40 | 11 44 | 1 42 | 25 34 | 16 45 | 15 59 | 15 38 | 7 27 | | n.a. |
| T 28 | 22 51 | 10 4 | 1 54 | 16 49 | 0 49 | 23 42 | 0 4 | 20 11 | 1 3 | 22 59 | 1 2 | 24 24 | 0 31 | 3 27 | 0 40 | 11 44 | 1 42 | 25 33 | 16 44 | 15 59 | 15 37 | 7 29 | | n.a. |
| F 29 | 22 43 | 14 5 | 0 42 | 16 19 | 0 58 | 23 49 | 0 7 | 20 0 | 1 3 | 22 57 | 1 2 | 24 24 | 0 31 | 3 26 | 0 40 | 11 44 | 1 42 | 25 32 | 16 44 | 15 59 | 15 36 | 7 31 | | n.a. |
| S 30 | 22 35 | 17 17 | 0n33 | 15 49 | 1 7 | 23 56 | 0 10 | 19 49 | 1 2 | 22 54 | 1 2 | 24 24 | 0 31 | 3 25 | 0 40 | 11 44 | 1 42 | 25 31 | 16 44 | 15 59 | 15 35 | 7 33 | | n.a. |
| S 31 | 22n27 | 19s27 | 1n45 | 15n19 | 1s15 | 24n 2 | 0n12 | 19n39 | 1n 2 | 22n52 | 1n 2 | 24n24 | 0n31 | 3n24 | 0n40 | 11s44 | 1n42 | 25n30 | 16n43 | 15s59 | 15s34 | 7n35 | | n.a. |

Julian Day Number = 1001696.5, Delta T = 12h50m25s
Ecliptic obliquity = 23°55'09, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'29, Lahiri = -31°07'28 Julian Calendar 1 July 1971 BCE == Greg. Calendar 14 June 1971 BCE

The year -1970 astronomical counting style corresponds to year 1971 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## AUGUST 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 30 38 | 20♋38'37 | 16♐42 | 16♌39 | 26♊ 7 | 8♌36 | 23♋36 | 3♋18 | 23♍ 8 | 4°R37 | 4♍29 | 12°R43 | 11♏25 | 13♈23 | n.a. | M 1 |
| T 2 | 19 34 35 | 21°37'14 | 0♑22 | 17°47 | 27°21 | 9°16 | 23°49 | 3°25 | 23°10 | 4♏37 | 4°31 | 12♏36 | 11°21 | 13°30 | n.a. | T 2 |
| W 3 | 19 38 32 | 22°35'54 | 13°50 | 18°53 | 28°35 | 9°56 | 24° 2 | 3°32 | 23°13 | 4°37 | 4°33 | 12°26 | 11°18 | 13°37 | n.a. | W 3 |
| T 4 | 19 42 28 | 23°34'35 | 27° 6 | 19°58 | 29°48 | 10°37 | 24°15 | 3°39 | 23°15 | 4°D37 | 4°35 | 12°15 | 11°15 | 13°43 | n.a. | T 4 |
| F 5 | 19 46 25 | 24°33'19 | 10♒ 5 | 20°59 | 1♋ 2 | 11°17 | 24°28 | 3°47 | 23°17 | 4°37 | 4°37 | 12° 3 | 11°12 | 13°50 | n.a. | F 5 |
| S 6 | 19 50 21 | 25°32'05 | 22°48 | 21°59 | 2°16 | 11°57 | 24°41 | 3°54 | 23°20 | 4°37 | 4°39 | 11°51 | 11° 9 | 13°57 | n.a. | S 6 |
| S 7 | 19 54 18 | 26°30'53 | 5♓15 | 22°55 | 3°30 | 12°37 | 24°54 | 4° 1 | 23°22 | 4°37 | 4°41 | 11°40 | 11° 5 | 14° 3 | n.a. | S 7 |
| M 8 | 19 58 14 | 27°29'43 | 17°27 | 23°49 | 4°44 | 13°17 | 25° 7 | 4° 8 | 23°24 | 4°37 | 4°43 | 11°32 | 11° 2 | 14°10 | n.a. | M 8 |
| T 9 | 20 2 11 | 28°28'36 | 29°27 | 24°40 | 5°58 | 13°58 | 25°20 | 4°15 | 23°27 | 4°37 | 4°45 | 11°26 | 10°59 | 14°17 | n.a. | T 9 |
| W10 | 20 6 7 | 29°27'31 | 11♈19 | 25°27 | 7°12 | 14°38 | 25°33 | 4°23 | 23°29 | 4°38 | 4°47 | 11°22 | 10°56 | 14°23 | n.a. | W10 |
| T 11 | 20 10 4 | 0♎26'29 | 23° 7 | 26°11 | 8°26 | 15°18 | 25°46 | 4°30 | 23°32 | 4°38 | 4°49 | 11°21 | 10°53 | 14°30 | n.a. | T 11 |
| F 12 | 20 14 0 | 1°25'29 | 4♉57 | 26°51 | 9°40 | 15°59 | 25°59 | 4°37 | 23°35 | 4°38 | 4°51 | 11°21 | 10°50 | 14°37 | n.a. | F 12 |
| S 13 | 20 17 57 | 2°24'32 | 16°55 | 27°27 | 10°55 | 16°40 | 26°12 | 4°44 | 23°37 | 4°38 | 4°53 | 11°21 | 10°46 | 14°43 | n.a. | S 13 |
| S 14 | 20 21 54 | 3°23'37 | 29° 5 | 27°58 | 12° 9 | 17°20 | 26°26 | 4°51 | 23°40 | 4°39 | 4°56 | 11°20 | 10°43 | 14°50 | n.a. | S 14 |
| M15 | 20 25 50 | 4°22'45 | 11♊33 | 28°24 | 13°23 | 18° 1 | 26°39 | 4°58 | 23°43 | 4°39 | 4°58 | 11°17 | 10°40 | 14°57 | n.a. | M15 |
| T 16 | 20 29 47 | 5°21'55 | 24°22 | 28°44 | 14°38 | 18°41 | 26°52 | 5° 4 | 23°45 | 4°39 | 5° 0 | 11°11 | 10°37 | 15° 3 | n.a. | T 16 |
| W17 | 20 33 43 | 6°21'08 | 7♋36 | 28°59 | 15°52 | 19°22 | 27° 5 | 5°11 | 23°48 | 4°40 | 5° 2 | 11° 3 | 10°34 | 15°10 | n.a. | W17 |
| T 18 | 20 37 40 | 7°20'22 | 21°14 | 29° 8 | 17° 7 | 20° 3 | 27°18 | 5°18 | 23°51 | 4°40 | 5° 4 | 10°53 | 10°31 | 15°17 | n.a. | T 18 |
| F 19 | 20 41 36 | 8°19'40 | 5♌14 | 29°R10 | 18°21 | 20°44 | 27°31 | 5°25 | 23°54 | 4°41 | 5° 7 | 10°40 | 10°27 | 15°23 | n.a. | F 19 |
| S 20 | 20 45 33 | 9°18'59 | 19°32 | 29° 6 | 19°36 | 21°25 | 27°44 | 5°32 | 23°57 | 4°41 | 5° 9 | 10°28 | 10°24 | 15°30 | n.a. | S 20 |
| S 21 | 20 49 29 | 10°18'20 | 4♍ 1 | 28°53 | 20°50 | 22° 6 | 27°57 | 5°38 | 24° 0 | 4°42 | 5°11 | 10°17 | 10°21 | 15°37 | n.a. | S 21 |
| M22 | 20 53 26 | 11°17'44 | 18°36 | 28°33 | 22° 5 | 22°47 | 28° 9 | 5°45 | 24° 3 | 4°42 | 5°13 | 10° 8 | 10°18 | 15°43 | n.a. | M22 |
| T 23 | 20 57 22 | 12°17'10 | 3♎ 8 | 28° 5 | 23°20 | 23°28 | 28°22 | 5°52 | 24° 6 | 4°43 | 5°16 | 10° 2 | 10°15 | 15°50 | n.a. | T 23 |
| W24 | 21 1 19 | 13°16'37 | 17°33 | 27°29 | 24°34 | 24° 9 | 28°35 | 5°58 | 24° 9 | 4°44 | 5°18 | 9°59 | 10°11 | 15°57 | n.a. | W24 |
| T 25 | 21 5 16 | 14°16'07 | 1♏48 | 26°45 | 25°49 | 24°50 | 28°48 | 6° 5 | 24°12 | 4°44 | 5°20 | 9°58 | 10° 8 | 16° 3 | n.a. | T 25 |
| F 26 | 21 9 12 | 15°15'38 | 15°51 | 25°54 | 27° 4 | 25°31 | 29° 1 | 6°11 | 24°15 | 4°45 | 5°22 | 9°58 | 10° 5 | 16°10 | n.a. | F 26 |
| S 27 | 21 13 9 | 16°15'11 | 29°41 | 24°55 | 28°19 | 26°12 | 29°14 | 6°17 | 24°18 | 4°46 | 5°25 | 9°57 | 10° 2 | 16°17 | n.a. | S 27 |
| S 28 | 21 17 5 | 17°14'47 | 13♐20 | 23°51 | 29°34 | 26°54 | 29°27 | 6°24 | 24°21 | 4°47 | 5°27 | 9°55 | 9°59 | 16°23 | n.a. | S 28 |
| M29 | 21 21 2 | 18°14'24 | 26°47 | 22°42 | 0♌48 | 27°35 | 29°39 | 6°30 | 24°24 | 4°48 | 5°30 | 9°51 | 9°56 | 16°30 | n.a. | M29 |
| T 30 | 21 24 58 | 19°14'03 | 10♑ 4 | 21°30 | 2° 3 | 28°16 | 29°52 | 6°36 | 24°28 | 4°48 | 5°32 | 9°43 | 9°52 | 16°37 | n.a. | T 30 |
| W31 | 21 28 55 | 20♌13'44 | 23♑ 9 | 20♌17 | 3♌18 | 28♌58 | 0♎ 5 | 6♋43 | 24♍31 | 4♏49 | 5♍34 | 9♏33 | 9♏49 | 16♈43 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n18 | 20s25 | 2n50 | 14n49 | 1s24 | 24n 7 | 0n15 | 19n28 | 1n 1 | 22n50 | 1n 2 | 24n24 | 0n31 | 3n23 | 0n40 | 11s44 | 1n41 | 25n28 | 16n43 | 15s58 | 15s33 | 7n37 | | n.a. |
| T 2 | 22 9 | 20 11 | 3 44 | 14 20 | 1 33 | 24 11 | 0 18 | 19 16 | 1 1 | 22 48 | 1 2 | 24 24 | 0 31 | 3 22 | 0 40 | 11 44 | 1 41 | 25 27 | 16 42 | 15 56 | 15 32 | 7 39 | | n.a. |
| W 3 | 21 59 | 18 47 | 4 25 | 13 51 | 1 42 | 24 15 | 0 20 | 19 5 | 1 1 | 22 45 | 1 2 | 24 24 | 0 31 | 3 22 | 0 40 | 11 44 | 1 41 | 25 26 | 16 42 | 15 53 | 15 31 | 7 41 | | n.a. |
| T 4 | 21 49 | 16 24 | 4 51 | 13 22 | 1 51 | 24 18 | 0 23 | 18 54 | 1 0 | 22 43 | 1 2 | 24 24 | 0 32 | 3 21 | 0 40 | 11 44 | 1 41 | 25 25 | 16 42 | 15 49 | 15 30 | 7 42 | | n.a. |
| F 5 | 21 38 | 13 14 | 5 1 | 12 54 | 2 0 | 24 20 | 0 26 | 18 42 | 1 0 | 22 41 | 1 2 | 24 23 | 0 32 | 3 20 | 0 40 | 11 44 | 1 41 | 25 24 | 16 41 | 15 45 | 15 29 | 7 44 | | n.a. |
| S 6 | 21 28 | 9 32 | 4 56 | 12 26 | 2 8 | 24 22 | 0 28 | 18 30 | 1 0 | 22 38 | 1 2 | 24 23 | 0 32 | 3 19 | 0 40 | 11 44 | 1 41 | 25 23 | 16 41 | 15 42 | 15 28 | 7 46 | | n.a. |
| S 7 | 21 16 | 5 29 | 4 37 | 12 0 | 2 17 | 24 23 | 0 31 | 18 18 | 0 59 | 22 36 | 1 3 | 24 23 | 0 32 | 3 18 | 0 40 | 11 44 | 1 41 | 25 22 | 16 40 | 15 38 | 15 27 | 7 48 | | n.a. |
| M 8 | 21 5 | 1 18 | 4 5 | 11 34 | 2 26 | 24 23 | 0 33 | 18 6 | 0 59 | 22 34 | 1 3 | 24 23 | 0 32 | 3 17 | 0 40 | 11 44 | 1 41 | 25 21 | 16 40 | 15 36 | 15 26 | 7 50 | | n.a. |
| T 9 | 20 53 | 2n52 | 3 23 | 11 9 | 2 34 | 24 22 | 0 35 | 17 54 | 0 58 | 22 31 | 1 3 | 24 23 | 0 32 | 3 16 | 0 40 | 11 44 | 1 41 | 25 20 | 16 40 | 15 34 | 15 25 | 7 52 | | n.a. |
| W10 | 20 40 | 6 53 | 2 32 | 10 45 | 2 42 | 24 21 | 0 38 | 17 41 | 0 58 | 22 29 | 1 3 | 24 23 | 0 32 | 3 14 | 0 40 | 11 44 | 1 41 | 25 19 | 16 39 | 15 33 | 15 24 | 7 54 | | n.a. |
| T 11 | 20 28 | 10 38 | 1 35 | 10 23 | 2 50 | 24 19 | 0 40 | 17 29 | 0 57 | 22 27 | 1 3 | 24 23 | 0 32 | 3 13 | 0 40 | 11 44 | 1 41 | 25 17 | 16 39 | 15 32 | 15 23 | 7 56 | | n.a. |
| F 12 | 20 14 | 13 58 | 0 34 | 10 2 | 2 58 | 24 16 | 0 42 | 17 16 | 0 57 | 22 24 | 1 3 | 24 23 | 0 32 | 3 12 | 0 40 | 11 45 | 1 41 | 25 16 | 16 39 | 15 32 | 15 22 | 7 58 | | n.a. |
| S 13 | 20 1 | 16 45 | 0s29 | 9 43 | 3 5 | 24 12 | 0 45 | 17 3 | 0 57 | 22 22 | 1 3 | 24 22 | 0 33 | 3 11 | 0 40 | 11 45 | 1 41 | 25 15 | 16 39 | 15 32 | 15 21 | 8 0 | | n.a. |
| S 14 | 19 47 | 18 51 | 1 33 | 9 26 | 3 12 | 24 8 | 0 47 | 16 50 | 0 56 | 22 19 | 1 3 | 24 22 | 0 33 | 3 10 | 0 40 | 11 45 | 1 41 | 25 14 | 16 38 | 15 32 | 15 20 | 8 2 | | n.a. |
| M15 | 19 33 | 20 6 | 2 33 | 9 11 | 3 18 | 24 3 | 0 49 | 16 37 | 0 56 | 22 17 | 1 3 | 24 22 | 0 33 | 3 9 | 0 40 | 11 45 | 1 41 | 25 13 | 16 38 | 15 31 | 15 19 | 8 3 | | n.a. |
| T 16 | 19 18 | 20 21 | 3 27 | 8 58 | 3 24 | 23 57 | 0 51 | 16 24 | 0 55 | 22 14 | 1 3 | 24 22 | 0 33 | 3 8 | 0 40 | 11 45 | 1 41 | 25 12 | 16 38 | 15 29 | 15 18 | 8 5 | | n.a. |
| W17 | 19 4 | 19 31 | 4 11 | 8 48 | 3 29 | 23 50 | 0 53 | 16 11 | 0 55 | 22 12 | 1 3 | 24 22 | 0 33 | 3 7 | 0 40 | 11 46 | 1 40 | 25 11 | 16 37 | 15 27 | 15 17 | 8 7 | | n.a. |
| T 18 | 18 48 | 17 33 | 4 43 | 8 41 | 3 33 | 23 43 | 0 55 | 15 57 | 0 55 | 22 9 | 1 3 | 24 22 | 0 33 | 3 6 | 0 40 | 11 46 | 1 40 | 25 10 | 16 37 | 15 23 | 15 16 | 8 9 | | n.a. |
| F 19 | 18 33 | 14 30 | 4 59 | 8 37 | 3 37 | 23 35 | 0 57 | 15 43 | 0 54 | 22 7 | 1 4 | 24 22 | 0 33 | 3 4 | 0 40 | 11 46 | 1 40 | 25 9 | 16 37 | 15 19 | 15 15 | 8 11 | | n.a. |
| S 20 | 18 17 | 10 34 | 4 57 | 8 36 | 3 39 | 23 26 | 0 59 | 15 30 | 0 54 | 22 4 | 1 4 | 24 21 | 0 33 | 3 3 | 0 39 | 11 46 | 1 40 | 25 7 | 16 37 | 15 15 | 15 14 | 8 13 | | n.a. |
| S 21 | 18 1 | 5 58 | 4 35 | 8 40 | 3 40 | 23 16 | 1 1 | 15 16 | 0 53 | 22 2 | 1 4 | 24 21 | 0 33 | 3 2 | 0 39 | 11 46 | 1 40 | 25 6 | 16 36 | 15 12 | 15 13 | 8 15 | | n.a. |
| M22 | 17 44 | 0 59 | 3 56 | 8 47 | 3 40 | 23 6 | 1 3 | 15 2 | 0 53 | 21 59 | 1 4 | 24 21 | 0 34 | 3 1 | 0 39 | 11 47 | 1 40 | 25 5 | 16 36 | 15 9 | 15 12 | 8 17 | | n.a. |
| T 23 | 17 27 | 4s 2 | 3 2 | 8 58 | 3 38 | 22 55 | 1 4 | 14 47 | 0 52 | 21 57 | 1 4 | 24 21 | 0 34 | 2 59 | 0 39 | 11 47 | 1 40 | 25 4 | 16 36 | 15 7 | 15 11 | 8 19 | | n.a. |
| W24 | 17 10 | 8 48 | 1 56 | 9 14 | 3 35 | 22 43 | 1 6 | 14 33 | 0 52 | 21 54 | 1 4 | 24 21 | 0 34 | 2 58 | 0 39 | 11 47 | 1 40 | 25 3 | 16 36 | 15 6 | 15 10 | 8 21 | | n.a. |
| T 25 | 16 53 | 13 0 | 0 43 | 9 34 | 3 30 | 22 31 | 1 8 | 14 19 | 0 51 | 21 51 | 1 4 | 24 20 | 0 34 | 2 57 | 0 39 | 11 48 | 1 40 | 25 2 | 16 35 | 15 6 | 15 9 | 8 22 | | n.a. |
| F 26 | 16 35 | 16 25 | 0n31 | 9 58 | 3 23 | 22 18 | 1 9 | 14 4 | 0 51 | 21 49 | 1 4 | 24 20 | 0 34 | 2 56 | 0 39 | 11 48 | 1 40 | 25 1 | 16 35 | 15 6 | 15 8 | 8 24 | | n.a. |
| S 27 | 16 17 | 18 49 | 1 42 | 10 26 | 3 14 | 22 4 | 1 11 | 13 49 | 0 51 | 21 46 | 1 4 | 24 20 | 0 34 | 2 54 | 0 39 | 11 48 | 1 40 | 25 0 | 16 35 | 15 6 | 15 7 | 8 26 | | n.a. |
| S 28 | 15 59 | 20 6 | 2 47 | 10 58 | 3 2 | 21 50 | 1 12 | 13 35 | 0 50 | 21 44 | 1 4 | 24 20 | 0 34 | 2 53 | 0 39 | 11 49 | 1 40 | 24 59 | 16 35 | 15 5 | 15 6 | 8 28 | | n.a. |
| M29 | 15 40 | 20 12 | 3 41 | 11 34 | 2 49 | 21 34 | 1 14 | 13 20 | 0 50 | 21 41 | 1 5 | 24 20 | 0 34 | 2 52 | 0 39 | 11 49 | 1 40 | 24 58 | 16 35 | 15 3 | 15 5 | 8 30 | | n.a. |
| T 30 | 15 21 | 19 10 | 4 22 | 12 11 | 2 34 | 21 19 | 1 15 | 13 5 | 0 49 | 21 38 | 1 5 | 24 20 | 0 35 | 2 50 | 0 39 | 11 49 | 1 40 | 24 57 | 16 34 | 15 1 | 15 4 | 8 32 | | n.a. |
| W31 | 15n 2 | 17s 9 | 4n49 | 12n51 | 2s18 | 21n 2 | 1n16 | 12n49 | 0n49 | 21n36 | 1n 5 | 24n19 | 0n35 | 2n49 | 0n39 | 11s50 | 1n40 | 24n56 | 16n34 | 14s58 | 15s 3 | 8n34 | | n.a. |

Julian Day Number = 1001727.5, Delta T = 12h50m23s
Ecliptic obliquity = 23°55'09, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'25, Lahiri = -31°07'24 Julian Calendar 1 Aug. 1971 BCE == Greg. Calendar 15 July 1971 BCE

The year -1970 astronomical counting style corresponds to year 1971 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## SEPTEMBER 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 32 51 | 21♌13'27 | 6♒ 3 | 19°R 5 | 4♌33 | 29♌39 | 0♌17 | 6♋49 | 24♍34 | 4♏50 | 5♍37 | 9°R21 | 9♏46 | 16♈50 | n.a. | T 1 |
| F 2 | 21 36 48 | 22°13'12 | 18°45 | 17♌56 | 5°48 | 0♍21 | 0°30 | 6°55 | 24°37 | 4°51 | 5°39 | 9♏ 7 | 9°43 | 16°57 | n.a. | F 2 |
| S 3 | 21 40 44 | 23°12'59 | 1♓14 | 16°52 | 7° 4 | 1° 2 | 0°43 | 7° 1 | 24°41 | 4°52 | 5°41 | 8°54 | 9°40 | 17° 3 | n.a. | S 3 |
| S 4 | 21 44 41 | 24°12'49 | 13°31 | 15°55 | 8°19 | 1°44 | 0°55 | 7° 7 | 24°44 | 4°53 | 5°44 | 8°42 | 9°36 | 17°10 | n.a. | S 4 |
| M 5 | 21 48 38 | 25°12'40 | 25°36 | 15° 6 | 9°34 | 2°26 | 1° 8 | 7°13 | 24°47 | 4°54 | 5°46 | 8°33 | 9°33 | 17°17 | n.a. | M 5 |
| T 6 | 21 52 34 | 26°12'34 | 7♈32 | 14°27 | 10°49 | 3° 7 | 1°20 | 7°18 | 24°51 | 4°55 | 5°49 | 8°26 | 9°30 | 17°23 | n.a. | T 6 |
| W 7 | 21 56 31 | 27°12'30 | 19°21 | 13°59 | 12° 4 | 3°49 | 1°33 | 7°24 | 24°54 | 4°56 | 5°51 | 8°22 | 9°27 | 17°30 | n.a. | W 7 |
| T 8 | 22 0 27 | 28°12'29 | 1♉ 8 | 13°43 | 13°19 | 4°31 | 1°45 | 7°30 | 24°58 | 4°57 | 5°53 | 8°20 | 9°24 | 17°37 | n.a. | T 8 |
| F 9 | 22 4 24 | 29°12'30 | 12°57 | 13°D37 | 14°35 | 5°13 | 1°57 | 7°36 | 25° 1 | 4°59 | 5°56 | 8°D20 | 9°21 | 17°43 | n.a. | F 9 |
| S 10 | 22 8 20 | 0♍12'33 | 24°52 | 13°43 | 15°50 | 5°55 | 2°10 | 7°41 | 25° 5 | 5° 0 | 5°58 | 8°R20 | 9°17 | 17°50 | n.a. | S 10 |
| S 11 | 22 12 17 | 1°12'38 | 7♊ 0 | 13°59 | 17° 5 | 6°37 | 2°22 | 7°47 | 25° 8 | 5° 1 | 6° 1 | 8°20 | 9°14 | 17°56 | n.a. | S 11 |
| M12 | 22 16 13 | 2°12'46 | 19°26 | 14°26 | 18°21 | 7°19 | 2°34 | 7°52 | 25°12 | 5° 2 | 6° 3 | 8°19 | 9°11 | 18° 3 | n.a. | M12 |
| T 13 | 22 20 10 | 3°12'56 | 2♋14 | 15° 2 | 19°36 | 8° 1 | 2°46 | 7°57 | 25°15 | 5° 4 | 6° 6 | 8°15 | 9° 8 | 18°10 | n.a. | T 13 |
| W14 | 22 24 6 | 4°13'09 | 15°30 | 15°47 | 20°51 | 8°43 | 2°58 | 8° 3 | 25°19 | 5° 5 | 6° 8 | 8° 9 | 9° 5 | 18°16 | n.a. | W14 |
| T 15 | 22 28 3 | 5°13'24 | 29°13 | 16°40 | 22° 7 | 9°25 | 3°10 | 8° 8 | 25°22 | 5° 6 | 6°10 | 8° 1 | 9° 2 | 18°23 | n.a. | T 15 |
| F 16 | 22 32 0 | 6°13'40 | 13♌23 | 17°39 | 23°22 | 10° 8 | 3°22 | 8°13 | 25°26 | 5° 8 | 6°13 | 7°51 | 8°58 | 18°30 | n.a. | F 16 |
| S 17 | 22 35 56 | 7°13'59 | 27°57 | 18°45 | 24°38 | 10°50 | 3°34 | 8°18 | 25°29 | 5° 9 | 6°15 | 7°41 | 8°55 | 18°36 | n.a. | S 17 |
| S 18 | 22 39 53 | 8°14'20 | 12♍48 | 19°55 | 25°53 | 11°32 | 3°46 | 8°23 | 25°33 | 5°10 | 6°18 | 7°31 | 8°52 | 18°43 | n.a. | S 18 |
| M19 | 22 43 49 | 9°14'42 | 27°46 | 21°11 | 27° 9 | 12°15 | 3°58 | 8°28 | 25°37 | 5°12 | 6°20 | 7°24 | 8°49 | 18°50 | n.a. | M19 |
| T 20 | 22 47 46 | 10°15'07 | 12♎43 | 22°30 | 28°24 | 12°57 | 4°10 | 8°33 | 25°40 | 5°13 | 6°23 | 7°19 | 8°46 | 18°56 | n.a. | T 20 |
| W21 | 22 51 42 | 11°15'33 | 27°31 | 23°53 | 29°40 | 13°40 | 4°22 | 8°38 | 25°44 | 5°15 | 6°25 | 7°17 | 8°42 | 19° 3 | n.a. | W21 |
| T 22 | 22 55 39 | 12°16'01 | 12♏ 4 | 25°18 | 0♍55 | 14°22 | 4°33 | 8°42 | 25°48 | 5°16 | 6°27 | 7°D16 | 8°39 | 19°10 | n.a. | T 22 |
| F 23 | 22 59 35 | 13°16'30 | 26°17 | 26°45 | 2°11 | 15° 5 | 4°45 | 8°47 | 25°51 | 5°18 | 6°30 | 7°17 | 8°36 | 19°16 | n.a. | F 23 |
| S 24 | 23 3 32 | 14°17'01 | 10♐11 | 28°15 | 3°26 | 15°48 | 4°56 | 8°51 | 25°55 | 5°19 | 6°32 | 7°R18 | 8°33 | 19°23 | n.a. | S 24 |
| S 25 | 23 7 28 | 15°17'33 | 23°46 | 29°46 | 4°42 | 16°30 | 5° 8 | 8°56 | 25°59 | 5°21 | 6°35 | 7°18 | 8°30 | 19°30 | n.a. | S 25 |
| M26 | 23 11 25 | 16°18'07 | 7♑ 3 | 1♍18 | 5°58 | 17°13 | 5°19 | 9° 0 | 26° 2 | 5°23 | 6°37 | 7°16 | 8°27 | 19°36 | n.a. | M26 |
| T 27 | 23 15 22 | 17°18'42 | 20° 4 | 2°52 | 7°13 | 17°56 | 5°30 | 9° 5 | 26° 6 | 5°24 | 6°40 | 7°11 | 8°23 | 19°43 | n.a. | T 27 |
| W28 | 23 19 18 | 18°19'19 | 2♒52 | 4°26 | 8°29 | 18°39 | 5°42 | 9° 9 | 26°10 | 5°26 | 6°42 | 7° 5 | 8°20 | 19°50 | n.a. | W28 |
| T 29 | 23 23 15 | 19°19'57 | 15°26 | 6° 1 | 9°44 | 19°22 | 5°53 | 9°13 | 26°13 | 5°28 | 6°44 | 6°56 | 8°17 | 19°56 | n.a. | T 29 |
| F 30 | 23 27 11 | 20♍20'37 | 27♒50 | 7♍36 | 11♍ 0 | 20♍ 5 | 6♌ 4 | 9♋17 | 26♍17 | 5♏29 | 6♍47 | 6♏47 | 8♏14 | 20♈ 3 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n43 | 14s17 | 5n 0 | 13n31 | 1s59 | 20n45 | 1n17 | 12n34 | 0n48 | 21n33 | 1n 5 | 24n19 | 0n35 | 2n48 | 0n39 | 11s50 | 1n39 | 24n54 | 16n34 | 14s54 | 15s 2 | 8n35 | | n.a. |
| F 2 | 14 23 | 10 49 | 4 57 | 14 11 | 1 40 | 20 28 | 1 18 | 12 19 | 0 48 | 21 30 | 1 5 | 24 19 | 0 35 | 2 46 | 0 39 | 11 50 | 1 39 | 24 53 | 16 34 | 14 49 | 15 1 | 8 37 | | n.a. |
| S 3 | 14 3 | 6 55 | 4 39 | 14 49 | 1 20 | 20 9 | 1 19 | 12 3 | 0 47 | 21 28 | 1 5 | 24 19 | 0 35 | 2 45 | 0 39 | 11 51 | 1 39 | 24 52 | 16 34 | 14 45 | 15 0 | 8 39 | | n.a. |
| S 4 | 13 43 | 2 48 | 4 8 | 15 26 | 1 0 | 19 51 | 1 20 | 11 48 | 0 47 | 21 25 | 1 5 | 24 19 | 0 35 | 2 44 | 0 39 | 11 51 | 1 39 | 24 51 | 16 34 | 14 41 | 14 59 | 8 41 | | n.a. |
| M 5 | 13 23 | 1n22 | 3 26 | 16 0 | 0 40 | 19 31 | 1 21 | 11 32 | 0 46 | 21 22 | 1 5 | 24 18 | 0 35 | 2 42 | 0 39 | 11 52 | 1 39 | 24 50 | 16 34 | 14 38 | 14 58 | 8 43 | | n.a. |
| T 6 | 13 2 | 5 26 | 2 36 | 16 30 | 0 20 | 19 11 | 1 22 | 11 16 | 0 46 | 21 20 | 1 6 | 24 18 | 0 35 | 2 41 | 0 39 | 11 52 | 1 39 | 24 49 | 16 34 | 14 36 | 14 57 | 8 45 | | n.a. |
| W 7 | 12 41 | 9 15 | 1 39 | 16 57 | 0 1 | 18 51 | 1 23 | 11 0 | 0 45 | 21 17 | 1 6 | 24 18 | 0 36 | 2 40 | 0 39 | 11 52 | 1 39 | 24 48 | 16 33 | 14 34 | 14 56 | 8 47 | | n.a. |
| T 8 | 12 20 | 12 42 | 0 38 | 17 19 | 0n17 | 18 29 | 1 24 | 10 44 | 0 45 | 21 14 | 1 6 | 24 18 | 0 36 | 2 38 | 0 39 | 11 53 | 1 39 | 24 47 | 16 33 | 14 34 | 14 55 | 8 48 | | n.a. |
| F 9 | 11 59 | 15 39 | 0s25 | 17 36 | 0 34 | 18 8 | 1 24 | 10 28 | 0 44 | 21 11 | 1 6 | 24 18 | 0 36 | 2 37 | 0 39 | 11 53 | 1 39 | 24 46 | 16 33 | 14 34 | 14 54 | 8 50 | | n.a. |
| S 10 | 11 37 | 17 57 | 1 27 | 17 49 | 0 49 | 17 46 | 1 25 | 10 12 | 0 44 | 21 9 | 1 6 | 24 17 | 0 36 | 2 35 | 0 39 | 11 54 | 1 39 | 24 45 | 16 33 | 14 34 | 14 53 | 8 52 | | n.a. |
| S 11 | 11 16 | 19 30 | 2 27 | 17 58 | 1 3 | 17 23 | 1 26 | 9 56 | 0 43 | 21 6 | 1 6 | 24 17 | 0 36 | 2 34 | 0 39 | 11 54 | 1 39 | 24 44 | 16 33 | 14 34 | 14 52 | 8 54 | | n.a. |
| M12 | 10 54 | 20 9 | 3 21 | 18 2 | 1 15 | 17 0 | 1 26 | 9 39 | 0 43 | 21 3 | 1 6 | 24 17 | 0 36 | 2 32 | 0 39 | 11 55 | 1 39 | 24 43 | 16 33 | 14 33 | 14 51 | 8 56 | | n.a. |
| T 13 | 10 32 | 19 47 | 4 7 | 18 1 | 1 26 | 16 36 | 1 26 | 9 23 | 0 42 | 21 1 | 1 7 | 24 17 | 0 36 | 2 31 | 0 39 | 11 55 | 1 39 | 24 42 | 16 33 | 14 32 | 14 50 | 8 58 | | n.a. |
| W14 | 10 9 | 18 21 | 4 41 | 17 57 | 1 36 | 16 12 | 1 27 | 9 6 | 0 42 | 20 58 | 1 7 | 24 17 | 0 37 | 2 30 | 0 39 | 11 56 | 1 39 | 24 41 | 16 33 | 14 30 | 14 49 | 8 59 | | n.a. |
| T 15 | 9 47 | 15 49 | 5 1 | 17 48 | 1 44 | 15 47 | 1 27 | 8 50 | 0 41 | 20 55 | 1 7 | 24 16 | 0 37 | 2 28 | 0 39 | 11 56 | 1 39 | 24 40 | 16 33 | 14 27 | 14 47 | 9 1 | | n.a. |
| F 16 | 9 24 | 12 18 | 5 3 | 17 36 | 1 50 | 15 22 | 1 27 | 8 33 | 0 41 | 20 53 | 1 7 | 24 16 | 0 37 | 2 27 | 0 39 | 11 57 | 1 39 | 24 39 | 16 33 | 14 24 | 14 46 | 9 3 | | n.a. |
| S 17 | 9 2 | 7 58 | 4 46 | 17 20 | 1 56 | 14 57 | 1 27 | 8 16 | 0 40 | 20 50 | 1 7 | 24 16 | 0 37 | 2 25 | 0 39 | 11 57 | 1 39 | 24 38 | 16 33 | 14 21 | 14 45 | 9 5 | | n.a. |
| S 18 | 8 39 | 3 4 | 4 9 | 17 1 | 2 0 | 14 31 | 1 27 | 7 59 | 0 40 | 20 47 | 1 7 | 24 16 | 0 37 | 2 24 | 0 39 | 11 58 | 1 39 | 24 37 | 16 33 | 14 18 | 14 44 | 9 7 | | n.a. |
| M19 | 8 16 | 2s 4 | 3 15 | 16 40 | 2 3 | 14 4 | 1 27 | 7 42 | 0 39 | 20 44 | 1 7 | 24 16 | 0 37 | 2 22 | 0 39 | 11 58 | 1 38 | 24 36 | 16 33 | 14 15 | 14 43 | 9 9 | | n.a. |
| T 20 | 7 52 | 7 5 | 2 8 | 16 15 | 2 5 | 13 38 | 1 27 | 7 25 | 0 39 | 20 42 | 1 8 | 24 16 | 0 37 | 2 21 | 0 39 | 11 59 | 1 38 | 24 35 | 16 33 | 14 14 | 14 42 | 9 10 | | n.a. |
| W21 | 7 29 | 11 36 | 0 52 | 15 49 | 2 6 | 13 10 | 1 27 | 7 8 | 0 38 | 20 39 | 1 8 | 24 15 | 0 38 | 2 19 | 0 39 | 11 59 | 1 38 | 24 35 | 16 33 | 14 13 | 14 41 | 9 12 | | n.a. |
| T 22 | 7 6 | 15 21 | 0n26 | 15 20 | 2 7 | 12 43 | 1 27 | 6 51 | 0 38 | 20 36 | 1 8 | 24 15 | 0 38 | 2 18 | 0 39 | 12 0 | 1 38 | 24 34 | 16 33 | 14 13 | 14 40 | 9 14 | | n.a. |
| F 23 | 6 42 | 18 5 | 1 40 | 14 49 | 2 6 | 12 15 | 1 27 | 6 34 | 0 37 | 20 34 | 1 8 | 24 15 | 0 38 | 2 16 | 0 39 | 12 1 | 1 38 | 24 33 | 16 33 | 14 13 | 14 39 | 9 16 | | n.a. |
| S 24 | 6 18 | 19 40 | 2 48 | 14 16 | 2 5 | 11 47 | 1 26 | 6 16 | 0 37 | 20 31 | 1 8 | 24 15 | 0 38 | 2 15 | 0 39 | 12 1 | 1 38 | 24 32 | 16 33 | 14 13 | 14 38 | 9 18 | | n.a. |
| S 25 | 5 54 | 20 3 | 3 44 | 13 42 | 2 3 | 11 18 | 1 26 | 5 59 | 0 36 | 20 28 | 1 8 | 24 15 | 0 38 | 2 13 | 0 39 | 12 2 | 1 38 | 24 31 | 16 33 | 14 13 | 14 37 | 9 19 | | n.a. |
| M26 | 5 31 | 19 18 | 4 26 | 13 6 | 2 1 | 10 50 | 1 25 | 5 41 | 0 35 | 20 26 | 1 9 | 24 15 | 0 38 | 2 12 | 0 39 | 12 2 | 1 38 | 24 30 | 16 33 | 14 13 | 14 36 | 9 21 | | n.a. |
| T 27 | 5 7 | 17 32 | 4 54 | 12 29 | 1 58 | 10 21 | 1 25 | 5 24 | 0 35 | 20 23 | 1 9 | 24 14 | 0 38 | 2 10 | 0 39 | 12 3 | 1 38 | 24 29 | 16 33 | 14 11 | 14 35 | 9 23 | | n.a. |
| W28 | 4 42 | 14 56 | 5 7 | 11 51 | 1 55 | 9 51 | 1 24 | 5 6 | 0 34 | 20 20 | 1 9 | 24 14 | 0 39 | 2 9 | 0 39 | 12 3 | 1 38 | 24 28 | 16 34 | 14 9 | 14 34 | 9 25 | | n.a. |
| T 29 | 4 18 | 11 41 | 5 4 | 11 12 | 1 51 | 9 22 | 1 24 | 4 49 | 0 34 | 20 18 | 1 9 | 24 14 | 0 39 | 2 7 | 0 39 | 12 4 | 1 38 | 24 27 | 16 34 | 14 6 | 14 33 | 9 27 | | n.a. |
| F 30 | 3n54 | 7s58 | 4n47 | 10n32 | 1n47 | 8n52 | 1n23 | 4n31 | 0n33 | 20n15 | 1n 9 | 24n14 | 0n39 | 2n 6 | 0n39 | 12s 5 | 1n38 | 24n27 | 16n34 | 14s 3 | 14s32 | 9n28 | | n.a. |

Julian Day Number = 1001758.5, Delta T = 12h50m21s
Ecliptic obliquity = 23°55'09, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'20, Lahiri = -31°07'20 Julian Calendar 1 Sept. 1971 BCE == Greg. Calendar 15 Aug. 1971 BCE


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## OCTOBER 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 31 8 | 21♍21'18 | 10♓ 4 | 9♍12 | 12♍16 | 20♍48 | 6♌15 | 9♋21 | 26♍21 | 5♏31 | 6♍49 | 6°R38 | 8♏11 | 20♈10 | n.a. | S 1 |
| S 2 | 23 35 4 | 22°22'01 | 22° 9 | 10°47 | 13°31 | 21°31 | 6°26 | 9°24 | 26°25 | 5°33 | 6°51 | 6♏30 | 8° 7 | 20°16 | n.a. | S 2 |
| M 3 | 23 39 1 | 23°22'45 | 4♈ 7 | 12°23 | 14°47 | 22°14 | 6°37 | 9°28 | 26°28 | 5°35 | 6°54 | 6°24 | 8° 4 | 20°23 | n.a. | M 3 |
| T 4 | 23 42 57 | 24°23'31 | 15°58 | 14° 0 | 16° 3 | 22°57 | 6°47 | 9°32 | 26°32 | 5°36 | 6°56 | 6°19 | 8° 1 | 20°30 | n.a. | T 4 |
| W 5 | 23 46 54 | 25°24'18 | 27°46 | 15°36 | 17°18 | 23°40 | 6°58 | 9°35 | 26°36 | 5°38 | 6°59 | 6°17 | 7°58 | 20°36 | n.a. | W 5 |
| T 6 | 23 50 51 | 26°25'07 | 9♉32 | 17°12 | 18°34 | 24°24 | 7° 9 | 9°39 | 26°40 | 5°40 | 7° 1 | 6°D17 | 7°55 | 20°43 | n.a. | T 6 |
| F 7 | 23 54 47 | 27°25'58 | 21°21 | 18°48 | 19°50 | 25° 7 | 7°19 | 9°42 | 26°43 | 5°42 | 7° 3 | 6°18 | 7°52 | 20°49 | n.a. | F 7 |
| S 8 | 23 58 44 | 28°26'50 | 3♊16 | 20°23 | 21° 5 | 25°50 | 7°29 | 9°45 | 26°47 | 5°44 | 7° 6 | 6°20 | 7°48 | 20°56 | n.a. | S 8 |
| S 9 | 0 2 40 | 29°27'44 | 15°23 | 21°59 | 22°21 | 26°34 | 7°40 | 9°49 | 26°51 | 5°46 | 7° 8 | 6°21 | 7°45 | 21° 3 | n.a. | S 9 |
| M10 | 0 6 37 | 0♎28'40 | 27°45 | 23°35 | 23°37 | 27°17 | 7°50 | 9°52 | 26°55 | 5°48 | 7°10 | 6°R22 | 7°42 | 21° 9 | n.a. | M10 |
| T 11 | 0 10 33 | 1°29'37 | 10♋29 | 25°10 | 24°52 | 28° 1 | 8° 0 | 9°55 | 26°58 | 5°50 | 7°12 | 6°22 | 7°39 | 21°16 | n.a. | T 11 |
| W12 | 0 14 30 | 2°30'36 | 23°37 | 26°46 | 26° 8 | 28°44 | 8°10 | 9°58 | 27° 2 | 5°52 | 7°15 | 6°20 | 7°36 | 21°23 | n.a. | W12 |
| T 13 | 0 18 26 | 3°31'36 | 7♌14 | 28°21 | 27°24 | 29°28 | 8°20 | 10° 0 | 27° 6 | 5°54 | 7°17 | 6°16 | 7°33 | 21°29 | n.a. | T 13 |
| F 14 | 0 22 23 | 4°32'38 | 21°20 | 29°56 | 28°39 | 0♎11 | 8°30 | 10° 3 | 27° 9 | 5°56 | 7°19 | 6°12 | 7°29 | 21°36 | n.a. | F 14 |
| S 15 | 0 26 20 | 5°33'41 | 5♍53 | 1♎31 | 29°55 | 0°55 | 8°40 | 10° 6 | 27°13 | 5°58 | 7°21 | 6° 7 | 7°26 | 21°43 | n.a. | S 15 |
| S 16 | 0 30 16 | 6°34'46 | 20°48 | 3° 6 | 1♎11 | 1°39 | 8°49 | 10° 8 | 27°17 | 6° 0 | 7°24 | 6° 3 | 7°23 | 21°49 | n.a. | S 16 |
| M17 | 0 34 13 | 7°35'52 | 5♎57 | 4°41 | 2°27 | 2°23 | 8°59 | 10°10 | 27°21 | 6° 2 | 7°26 | 5°59 | 7°20 | 21°56 | n.a. | M17 |
| T 18 | 0 38 9 | 8°36'58 | 21°10 | 6°16 | 3°42 | 3° 7 | 9° 8 | 10°13 | 27°24 | 6° 4 | 7°28 | 5°57 | 7°17 | 22° 3 | n.a. | T 18 |
| W19 | 0 42 6 | 9°38'06 | 6♏18 | 7°50 | 4°58 | 3°51 | 9°17 | 10°15 | 27°28 | 6° 6 | 7°30 | 5°D56 | 7°13 | 22° 9 | n.a. | W19 |
| T 20 | 0 46 2 | 10°39'15 | 21°11 | 9°25 | 6°14 | 4°35 | 9°27 | 10°17 | 27°32 | 6° 8 | 7°32 | 5°57 | 7°10 | 22°16 | n.a. | T 20 |
| F 21 | 0 49 59 | 11°40'24 | 5♐43 | 10°59 | 7°29 | 5°19 | 9°36 | 10°19 | 27°35 | 6°10 | 7°34 | 5°58 | 7° 7 | 22°23 | n.a. | F 21 |
| S 22 | 0 53 55 | 12°41'35 | 19°52 | 12°34 | 8°45 | 6° 3 | 9°45 | 10°21 | 27°39 | 6°12 | 7°36 | 6° 0 | 7° 4 | 22°29 | n.a. | S 22 |
| S 23 | 0 57 52 | 13°42'45 | 3♑35 | 14° 8 | 10° 1 | 6°47 | 9°54 | 10°22 | 27°43 | 6°14 | 7°39 | 6° 1 | 7° 1 | 22°36 | n.a. | S 23 |
| M24 | 1 1 49 | 14°43'57 | 16°54 | 15°43 | 11°16 | 7°31 | 10° 2 | 10°24 | 27°46 | 6°16 | 7°41 | 6°R 1 | 6°58 | 22°43 | n.a. | M24 |
| T 25 | 1 5 45 | 15°45'08 | 29°51 | 17°17 | 12°32 | 8°15 | 10°11 | 10°25 | 27°50 | 6°18 | 7°43 | 6° 1 | 6°54 | 22°49 | n.a. | T 25 |
| W26 | 1 9 42 | 16°46'21 | 12♒30 | 18°52 | 13°48 | 8°59 | 10°19 | 10°27 | 27°53 | 6°21 | 7°45 | 5°59 | 6°51 | 22°56 | n.a. | W26 |
| T 27 | 1 13 38 | 17°47'34 | 24°53 | 20°26 | 15° 3 | 9°43 | 10°28 | 10°28 | 27°57 | 6°23 | 7°47 | 5°57 | 6°48 | 23° 2 | n.a. | T 27 |
| F 28 | 1 17 35 | 18°48'47 | 7♓ 4 | 22° 1 | 16°19 | 10°28 | 10°36 | 10°29 | 28° 1 | 6°25 | 7°49 | 5°54 | 6°45 | 23° 9 | n.a. | F 28 |
| S 29 | 1 21 31 | 19°50'00 | 19° 6 | 23°35 | 17°35 | 11°12 | 10°44 | 10°30 | 28° 4 | 6°27 | 7°51 | 5°51 | 6°42 | 23°16 | n.a. | S 29 |
| S 30 | 1 25 28 | 20°51'15 | 1♈ 1 | 25°10 | 18°50 | 11°57 | 10°52 | 10°31 | 28° 8 | 6°29 | 7°53 | 5°49 | 6°38 | 23°22 | n.a. | S 30 |
| M31 | 1 29 24 | 21♎52'29 | 12♈52 | 26♎45 | 20♎ 6 | 12♎41 | 11♌ 0 | 10♋32 | 28♍11 | 6♏32 | 7♍54 | 5♏47 | 6♏35 | 23♈29 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3n30 | 3s59 | 4n17 | 9n51 | 1n42 | 8n21 | 1n22 | 4n13 | 0n33 | 20n12 | 1n10 | 24n14 | 0n39 | 2n 4 | 0n39 | 12s 5 | 1n38 | 24n26 | 16n34 | 14s 0 | 14s31 | 9n30 | | n.a. |
| S 2 | 3 5 | 0n 8 | 3 36 | 9 10 | 1 38 | 7 51 | 1 21 | 3 55 | 0 32 | 20 10 | 1 10 | 24 14 | 0 39 | 2 3 | 0 39 | 12 6 | 1 38 | 24 25 | 16 34 | 13 57 | 14 30 | 9 32 | | n.a. |
| M 3 | 2 41 | 4 11 | 2 46 | 8 28 | 1 33 | 7 20 | 1 20 | 3 37 | 0 32 | 20 7 | 1 10 | 24 14 | 0 39 | 2 1 | 0 39 | 12 7 | 1 38 | 24 24 | 16 34 | 13 55 | 14 29 | 9 34 | | n.a. |
| T 4 | 2 16 | 8 4 | 1 48 | 7 46 | 1 27 | 6 50 | 1 19 | 3 19 | 0 31 | 20 5 | 1 10 | 24 14 | 0 39 | 2 0 | 0 39 | 12 7 | 1 38 | 24 23 | 16 34 | 13 54 | 14 28 | 9 36 | | n.a. |
| W 5 | 1 52 | 11 36 | 0 46 | 7 3 | 1 22 | 6 19 | 1 18 | 3 2 | 0 30 | 20 2 | 1 10 | 24 13 | 0 40 | 1 58 | 0 39 | 12 8 | 1 38 | 24 23 | 16 34 | 13 53 | 14 27 | 9 37 | | n.a. |
| T 6 | 1 27 | 14 41 | 0s18 | 6 19 | 1 16 | 5 48 | 1 17 | 2 44 | 0 30 | 19 59 | 1 11 | 24 13 | 0 40 | 1 57 | 0 39 | 12 9 | 1 38 | 24 22 | 16 35 | 13 53 | 14 26 | 9 39 | | n.a. |
| F 7 | 1 2 | 17 9 | 1 21 | 5 36 | 1 10 | 5 16 | 1 16 | 2 25 | 0 29 | 19 57 | 1 11 | 24 13 | 0 40 | 1 55 | 0 39 | 12 9 | 1 38 | 24 21 | 16 35 | 13 53 | 14 25 | 9 41 | | n.a. |
| S 8 | 0 38 | 18 54 | 2 22 | 4 52 | 1 4 | 4 45 | 1 15 | 2 7 | 0 29 | 19 54 | 1 11 | 24 13 | 0 40 | 1 54 | 0 39 | 12 10 | 1 38 | 24 20 | 16 35 | 13 54 | 14 23 | 9 43 | | n.a. |
| S 9 | 0 13 | 19 50 | 3 17 | 4 8 | 0 58 | 4 13 | 1 14 | 1 49 | 0 28 | 19 52 | 1 11 | 24 13 | 0 40 | 1 52 | 0 39 | 12 11 | 1 38 | 24 20 | 16 35 | 13 54 | 14 22 | 9 45 | | n.a. |
| M10 | 0s12 | 19 49 | 4 5 | 3 24 | 0 52 | 3 41 | 1 12 | 1 31 | 0 27 | 19 49 | 1 11 | 24 13 | 0 40 | 1 50 | 0 39 | 12 11 | 1 37 | 24 19 | 16 35 | 13 55 | 14 21 | 9 46 | | n.a. |
| T 11 | 0 36 | 18 49 | 4 42 | 2 39 | 0 46 | 3 10 | 1 11 | 1 13 | 0 27 | 19 47 | 1 12 | 24 13 | 0 41 | 1 49 | 0 39 | 12 12 | 1 37 | 24 18 | 16 36 | 13 55 | 14 20 | 9 48 | | n.a. |
| W12 | 1 1 | 16 47 | 5 5 | 1 55 | 0 39 | 2 38 | 1 10 | 0 55 | 0 26 | 19 44 | 1 12 | 24 13 | 0 41 | 1 47 | 0 39 | 12 13 | 1 37 | 24 18 | 16 36 | 13 54 | 14 19 | 9 50 | | n.a. |
| T 13 | 1 26 | 13 47 | 5 13 | 1 10 | 0 33 | 2 6 | 1 8 | 0 37 | 0 26 | 19 42 | 1 12 | 24 13 | 0 41 | 1 46 | 0 39 | 12 13 | 1 37 | 24 17 | 16 36 | 13 53 | 14 18 | 9 52 | | n.a. |
| F 14 | 1 50 | 9 54 | 5 2 | 0 26 | 0 27 | 1 34 | 1 7 | 0 18 | 0 25 | 19 40 | 1 12 | 24 13 | 0 41 | 1 44 | 0 39 | 12 14 | 1 37 | 24 16 | 16 36 | 13 51 | 14 17 | 9 53 | | n.a. |
| S 15 | 2 15 | 5 20 | 4 32 | 0s19 | 0 20 | 1 1 | 1 5 | 0 0 | 0 25 | 19 37 | 1 12 | 24 13 | 0 41 | 1 43 | 0 39 | 12 15 | 1 37 | 24 16 | 16 36 | 13 50 | 14 16 | 9 55 | | n.a. |
| S 16 | 2 40 | 0 19 | 3 43 | 1 3 | 0 14 | 0 29 | 1 4 | 0s18 | 0 24 | 19 35 | 1 13 | 24 13 | 0 41 | 1 41 | 0 39 | 12 16 | 1 37 | 24 15 | 16 37 | 13 48 | 14 15 | 9 57 | | n.a. |
| M17 | 3 4 | 4s48 | 2 38 | 1 47 | 0 7 | 0s 3 | 1 2 | 0 37 | 0 23 | 19 33 | 1 13 | 24 13 | 0 42 | 1 40 | 0 39 | 12 16 | 1 37 | 24 14 | 16 37 | 13 47 | 14 14 | 9 59 | | n.a. |
| T 18 | 3 29 | 9 39 | 1 20 | 2 32 | 0 1 | 0 35 | 1 0 | 0 55 | 0 23 | 19 30 | 1 13 | 24 13 | 0 42 | 1 38 | 0 39 | 12 17 | 1 37 | 24 14 | 16 37 | 13 46 | 14 13 | 10 0 | | n.a. |
| W19 | 3 53 | 13 51 | 0n 2 | 3 16 | 0s 6 | 1 7 | 0 58 | 1 13 | 0 22 | 19 28 | 1 13 | 24 13 | 0 42 | 1 37 | 0 39 | 12 18 | 1 37 | 24 13 | 16 38 | 13 46 | 14 12 | 10 2 | | n.a. |
| T 20 | 4 18 | 17 5 | 1 23 | 3 59 | 0 12 | 1 39 | 0 57 | 1 32 | 0 21 | 19 26 | 1 14 | 24 13 | 0 42 | 1 35 | 0 39 | 12 18 | 1 37 | 24 12 | 16 38 | 13 46 | 14 11 | 10 4 | | n.a. |
| F 21 | 4 42 | 19 7 | 2 37 | 4 43 | 0 19 | 2 12 | 0 55 | 1 50 | 0 21 | 19 23 | 1 14 | 24 13 | 0 42 | 1 34 | 0 39 | 12 19 | 1 37 | 24 12 | 16 38 | 13 47 | 14 10 | 10 6 | | n.a. |
| S 22 | 5 7 | 19 53 | 3 39 | 5 27 | 0 25 | 2 44 | 0 53 | 2 8 | 0 20 | 19 21 | 1 14 | 24 13 | 0 42 | 1 32 | 0 39 | 12 20 | 1 37 | 24 11 | 16 38 | 13 47 | 14 9 | 10 7 | | n.a. |
| S 23 | 5 31 | 19 25 | 4 27 | 6 10 | 0 31 | 3 16 | 0 51 | 2 27 | 0 20 | 19 19 | 1 14 | 24 13 | 0 43 | 1 31 | 0 39 | 12 21 | 1 37 | 24 11 | 16 39 | 13 48 | 14 8 | 10 9 | | n.a. |
| M24 | 5 55 | 17 53 | 4 59 | 6 53 | 0 38 | 3 48 | 0 49 | 2 45 | 0 19 | 19 17 | 1 15 | 24 13 | 0 43 | 1 30 | 0 39 | 12 21 | 1 37 | 24 10 | 16 39 | 13 48 | 14 7 | 10 11 | | n.a. |
| T 25 | 6 19 | 15 28 | 5 14 | 7 35 | 0 44 | 4 20 | 0 47 | 3 3 | 0 18 | 19 15 | 1 15 | 24 13 | 0 43 | 1 28 | 0 39 | 12 22 | 1 37 | 24 10 | 16 39 | 13 47 | 14 6 | 10 13 | | n.a. |
| W26 | 6 43 | 12 23 | 5 14 | 8 18 | 0 50 | 4 51 | 0 45 | 3 22 | 0 18 | 19 13 | 1 15 | 24 13 | 0 43 | 1 27 | 0 39 | 12 23 | 1 37 | 24 9 | 16 40 | 13 47 | 14 4 | 10 14 | | n.a. |
| T 27 | 7 7 | 8 48 | 4 59 | 9 0 | 0 56 | 5 23 | 0 43 | 3 40 | 0 17 | 19 10 | 1 15 | 24 13 | 0 43 | 1 25 | 0 39 | 12 24 | 1 37 | 24 9 | 16 40 | 13 46 | 14 3 | 10 16 | | n.a. |
| F 28 | 7 31 | 4 55 | 4 31 | 9 41 | 1 1 | 5 55 | 0 41 | 3 58 | 0 16 | 19 8 | 1 16 | 24 13 | 0 43 | 1 24 | 0 39 | 12 24 | 1 37 | 24 8 | 16 40 | 13 45 | 14 2 | 10 18 | | n.a. |
| S 29 | 7 54 | 0 52 | 3 51 | 10 22 | 1 7 | 6 26 | 0 39 | 4 17 | 0 16 | 19 6 | 1 16 | 24 13 | 0 44 | 1 22 | 0 39 | 12 25 | 1 37 | 24 8 | 16 41 | 13 44 | 14 1 | 10 19 | | n.a. |
| S 30 | 8 18 | 3n10 | 3 1 | 11 3 | 1 12 | 6 57 | 0 37 | 4 35 | 0 15 | 19 4 | 1 16 | 24 13 | 0 44 | 1 21 | 0 39 | 12 26 | 1 37 | 24 7 | 16 41 | 13 43 | 14 0 | 10 21 | | n.a. |
| M31 | 8s41 | 7n 4 | 2n 4 | 11s43 | 1s18 | 7s29 | 0n35 | 4s53 | 0n15 | 19n 2 | 1n16 | 24n13 | 0n44 | 1n19 | 0n39 | 12s27 | 1n37 | 24n 7 | 16n41 | 13s43 | 13s59 | 10n23 | | n.a. |

Julian Day Number = 1001788.5, Delta T = 12h50m19s
Ecliptic obliquity = 23°55'10, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'16, Lahiri = -31°07'16 Julian Calendar 1 Oct. 1971 BCE == Greg. Calendar 14 Sept. 1971 BCE

The year -1970 astronomical counting style corresponds to year 1971 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## NOVEMBER 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 33 21 | 22♎53'44 | 24♈40 | 28♎20 | 21♎22 | 13♎26 | 11♌ 8 | 10♋33 | 28♍15 | 6♏34 | 7♍56 | 5°R46 | 6♏32 | 23♈36 | n.a. | T 1 |
| W 2 | 1 37 18 | 23°55'00 | 6♉28 | 29°55 | 22°37 | 14°10 | 11°15 | 10°33 | 28°18 | 6°36 | 7°58 | 5°D45 | 6°29 | 23°42 | n.a. | W 2 |
| T 3 | 1 41 14 | 24°56'16 | 18°18 | 1♏30 | 23°53 | 14°55 | 11°23 | 10°34 | 28°22 | 6°38 | 8° 0 | 5♏46 | 6°26 | 23°49 | n.a. | T 3 |
| F 4 | 1 45 11 | 25°57'33 | 0♊12 | 3° 5 | 25° 8 | 15°39 | 11°30 | 10°34 | 28°25 | 6°41 | 8° 2 | 5°46 | 6°23 | 23°56 | n.a. | F 4 |
| S 5 | 1 49 7 | 26°58'50 | 12°13 | 4°40 | 26°24 | 16°24 | 11°37 | 10°35 | 28°29 | 6°43 | 8° 4 | 5°47 | 6°19 | 24° 2 | n.a. | S 5 |
| S 6 | 1 53 4 | 28° 0'08 | 24°24 | 6°16 | 27°40 | 17° 9 | 11°44 | 10°35 | 28°32 | 6°45 | 8° 5 | 5°48 | 6°16 | 24° 9 | n.a. | S 6 |
| M 7 | 1 57 0 | 29° 1'27 | 6♋48 | 7°51 | 28°55 | 17°53 | 11°51 | 10°R35 | 28°35 | 6°47 | 8° 7 | 5°49 | 6°13 | 24°16 | n.a. | M 7 |
| T 8 | 2 0 57 | 0♏ 2'46 | 19°30 | 9°27 | 0♏11 | 18°38 | 11°58 | 10°35 | 28°39 | 6°50 | 8° 9 | 5°50 | 6°10 | 24°22 | n.a. | T 8 |
| W 9 | 2 4 54 | 1° 4'05 | 2♌32 | 11° 3 | 1°26 | 19°23 | 12° 4 | 10°35 | 28°42 | 6°52 | 8°11 | 5°R50 | 6° 7 | 24°29 | n.a. | W 9 |
| T 10 | 2 8 50 | 2° 5'25 | 15°59 | 12°39 | 2°42 | 20° 8 | 12°11 | 10°34 | 28°45 | 6°54 | 8°12 | 5°49 | 6° 4 | 24°36 | n.a. | T 10 |
| F 11 | 2 12 47 | 3° 6'45 | 29°51 | 14°14 | 3°57 | 20°53 | 12°17 | 10°34 | 28°49 | 6°56 | 8°14 | 5°49 | 6° 0 | 24°42 | n.a. | F 11 |
| S 12 | 2 16 43 | 4° 8'06 | 14♍ 8 | 15°50 | 5°13 | 21°38 | 12°23 | 10°34 | 28°52 | 6°59 | 8°15 | 5°49 | 5°57 | 24°49 | n.a. | S 12 |
| S 13 | 2 20 40 | 5° 9'27 | 28°50 | 17°26 | 6°28 | 22°23 | 12°29 | 10°33 | 28°55 | 7° 1 | 8°17 | 5°49 | 5°54 | 24°56 | n.a. | S 13 |
| M14 | 2 24 36 | 6°10'48 | 13♎50 | 19° 1 | 7°44 | 23° 8 | 12°35 | 10°32 | 28°58 | 7° 3 | 8°19 | 5°D49 | 5°51 | 25° 2 | n.a. | M14 |
| T 15 | 2 28 33 | 7°12'09 | 29° 0 | 20°37 | 8°59 | 23°53 | 12°41 | 10°32 | 29° 1 | 7° 5 | 8°20 | 5°R49 | 5°48 | 25° 9 | n.a. | T 15 |
| W16 | 2 32 29 | 8°13'31 | 14♏12 | 22°12 | 10°15 | 24°38 | 12°46 | 10°31 | 29° 4 | 7° 8 | 8°22 | 5°49 | 5°44 | 25°15 | n.a. | W16 |
| T 17 | 2 36 26 | 9°14'52 | 29°16 | 23°46 | 11°30 | 25°23 | 12°51 | 10°30 | 29° 8 | 7°10 | 8°23 | 5°49 | 5°41 | 25°22 | n.a. | T 17 |
| F 18 | 2 40 23 | 10°16'13 | 14♐ 3 | 25°20 | 12°46 | 26° 9 | 12°57 | 10°28 | 29°11 | 7°12 | 8°24 | 5°48 | 5°38 | 25°29 | n.a. | F 18 |
| S 19 | 2 44 19 | 11°17'34 | 28°27 | 26°53 | 14° 1 | 26°54 | 13° 2 | 10°27 | 29°14 | 7°15 | 8°26 | 5°48 | 5°35 | 25°35 | n.a. | S 19 |
| S 20 | 2 48 16 | 12°18'54 | 12♑24 | 28°25 | 15°17 | 27°39 | 13° 6 | 10°26 | 29°17 | 7°17 | 8°27 | 5°47 | 5°32 | 25°42 | n.a. | S 20 |
| M21 | 2 52 12 | 13°20'13 | 25°53 | 29°55 | 16°32 | 28°25 | 13°11 | 10°24 | 29°20 | 7°19 | 8°29 | 5°46 | 5°29 | 25°49 | n.a. | M21 |
| T 22 | 2 56 9 | 14°21'32 | 8♒56 | 1♐24 | 17°48 | 29°10 | 13°16 | 10°23 | 29°23 | 7°21 | 8°30 | 5°D46 | 5°25 | 25°55 | n.a. | T 22 |
| W23 | 3 0 5 | 15°22'50 | 21°35 | 2°52 | 19° 3 | 29°55 | 13°20 | 10°21 | 29°25 | 7°24 | 8°31 | 5°46 | 5°22 | 26° 2 | n.a. | W23 |
| T 24 | 3 4 2 | 16°24'08 | 3♓56 | 4°16 | 20°18 | 0♏41 | 13°24 | 10°19 | 29°28 | 7°26 | 8°32 | 5°47 | 5°19 | 26° 9 | n.a. | T 24 |
| F 25 | 3 7 59 | 17°25'24 | 16° 2 | 5°39 | 21°34 | 1°26 | 13°28 | 10°18 | 29°31 | 7°28 | 8°34 | 5°48 | 5°16 | 26°15 | n.a. | F 25 |
| S 26 | 3 11 55 | 18°26'40 | 27°58 | 6°57 | 22°49 | 2°12 | 13°32 | 10°16 | 29°34 | 7°30 | 8°35 | 5°49 | 5°13 | 26°22 | n.a. | S 26 |
| S 27 | 3 15 52 | 19°27'56 | 9♈47 | 8°12 | 24° 5 | 2°57 | 13°36 | 10°13 | 29°37 | 7°33 | 8°36 | 5°50 | 5°10 | 26°29 | n.a. | S 27 |
| M28 | 3 19 48 | 20°29'10 | 21°34 | 9°23 | 25°20 | 3°43 | 13°39 | 10°11 | 29°39 | 7°35 | 8°37 | 5°51 | 5° 6 | 26°35 | n.a. | M28 |
| T 29 | 3 23 45 | 21°30'24 | 3♉22 | 10°28 | 26°35 | 4°28 | 13°42 | 10° 9 | 29°42 | 7°37 | 8°38 | 5°R52 | 5° 3 | 26°42 | n.a. | T 29 |
| W30 | 3 27 41 | 22♏31'37 | 15♉13 | 11♐27 | 27♏50 | 5♏14 | 13♌45 | 10♋ 7 | 29♍45 | 7♏39 | 8♍39 | 5♏51 | 5♏ 0 | 26♈49 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s 5 | 10n41 | 1n 1 | 12s23 | 1s23 | 8s 0 | 0n32 | 5s11 | 0n14 | 19n 1 | 1n17 | 24n13 | 0n44 | 1n18 | 0n39 | 12s27 | 1n37 | 24n 7 | 16n42 | 13s42 | 13s58 | 10n25 | | n.a. |
| W 2 | 9 28 | 13 53 | 0s 4 | 13 2 | 1 28 | 8 30 | 0 30 | 5 30 | 0 13 | 18 59 | 1 17 | 24 14 | 0 44 | 1 17 | 0 39 | 12 28 | 1 37 | 24 6 | 16 42 | 13 42 | 13 57 | 10 26 | | n.a. |
| T 3 | 9 51 | 16 31 | 1 9 | 13 40 | 1 33 | 9 1 | 0 28 | 5 48 | 0 13 | 18 57 | 1 17 | 24 14 | 0 45 | 1 15 | 0 39 | 12 29 | 1 37 | 24 6 | 16 43 | 13 42 | 13 56 | 10 28 | | n.a. |
| F 4 | 10 13 | 18 27 | 2 12 | 14 18 | 1 37 | 9 31 | 0 26 | 6 6 | 0 12 | 18 55 | 1 17 | 24 14 | 0 45 | 1 14 | 0 39 | 12 30 | 1 37 | 24 6 | 16 43 | 13 43 | 13 55 | 10 30 | | n.a. |
| S 5 | 10 36 | 19 35 | 3 9 | 14 56 | 1 42 | 10 1 | 0 24 | 6 24 | 0 11 | 18 53 | 1 18 | 24 14 | 0 45 | 1 13 | 0 39 | 12 30 | 1 37 | 24 5 | 16 43 | 13 43 | 13 54 | 10 31 | | n.a. |
| S 6 | 10 58 | 19 49 | 3 59 | 15 32 | 1 46 | 10 31 | 0 21 | 6 42 | 0 11 | 18 51 | 1 18 | 24 14 | 0 45 | 1 11 | 0 39 | 12 31 | 1 37 | 24 5 | 16 44 | 13 43 | 13 53 | 10 33 | | n.a. |
| M 7 | 11 21 | 19 6 | 4 39 | 16 8 | 1 50 | 11 1 | 0 19 | 7 0 | 0 10 | 18 50 | 1 18 | 24 14 | 0 45 | 1 10 | 0 39 | 12 32 | 1 37 | 24 5 | 16 44 | 13 44 | 13 52 | 10 35 | | n.a. |
| T 8 | 11 43 | 17 26 | 5 6 | 16 43 | 1 53 | 11 30 | 0 17 | 7 18 | 0 9 | 18 48 | 1 19 | 24 14 | 0 45 | 1 8 | 0 39 | 12 33 | 1 37 | 24 4 | 16 45 | 13 44 | 13 51 | 10 37 | | n.a. |
| W 9 | 12 5 | 14 50 | 5 18 | 17 17 | 1 56 | 11 59 | 0 14 | 7 36 | 0 9 | 18 46 | 1 19 | 24 15 | 0 46 | 1 7 | 0 39 | 12 33 | 1 37 | 24 4 | 16 45 | 13 44 | 13 49 | 10 38 | | n.a. |
| T 10 | 12 26 | 11 23 | 5 13 | 17 50 | 1 59 | 12 28 | 0 12 | 7 54 | 0 8 | 18 45 | 1 19 | 24 15 | 0 46 | 1 6 | 0 39 | 12 34 | 1 37 | 24 4 | 16 46 | 13 44 | 13 48 | 10 40 | | n.a. |
| F 11 | 12 48 | 7 13 | 4 51 | 18 22 | 2 2 | 12 56 | 0 10 | 8 12 | 0 7 | 18 43 | 1 19 | 24 15 | 0 46 | 1 4 | 0 39 | 12 35 | 1 37 | 24 3 | 16 46 | 13 44 | 13 47 | 10 42 | | n.a. |
| S 12 | 13 9 | 2 32 | 4 10 | 18 53 | 2 4 | 13 24 | 0 7 | 8 30 | 0 7 | 18 42 | 1 20 | 24 15 | 0 46 | 1 3 | 0 39 | 12 36 | 1 37 | 24 3 | 16 46 | 13 44 | 13 46 | 10 43 | | n.a. |
| S 13 | 13 30 | 2s27 | 3 12 | 19 23 | 2 6 | 13 52 | 0 5 | 8 47 | 0 6 | 18 40 | 1 20 | 24 16 | 0 46 | 1 2 | 0 39 | 12 37 | 1 37 | 24 3 | 16 47 | 13 43 | 13 45 | 10 45 | | n.a. |
| M14 | 13 51 | 7 23 | 1 59 | 19 52 | 2 7 | 14 20 | 0 3 | 9 5 | 0 5 | 18 39 | 1 20 | 24 16 | 0 46 | 1 1 | 0 39 | 12 37 | 1 37 | 24 3 | 16 47 | 13 43 | 13 44 | 10 47 | | n.a. |
| T 15 | 14 11 | 11 56 | 0 38 | 20 19 | 2 8 | 14 47 | 0 0 | 9 23 | 0 5 | 18 38 | 1 21 | 24 16 | 0 47 | 0 59 | 0 39 | 12 38 | 1 37 | 24 3 | 16 48 | 13 43 | 13 43 | 10 48 | | n.a. |
| W16 | 14 32 | 15 41 | 0n47 | 20 45 | 2 9 | 15 13 | 0s 2 | 9 40 | 0 4 | 18 36 | 1 21 | 24 16 | 0 47 | 0 58 | 0 39 | 12 39 | 1 37 | 24 3 | 16 48 | 13 43 | 13 42 | 10 50 | | n.a. |
| T 17 | 14 52 | 18 20 | 2 7 | 21 10 | 2 8 | 15 39 | 0 4 | 9 58 | 0 3 | 18 35 | 1 21 | 24 16 | 0 47 | 0 57 | 0 39 | 12 40 | 1 37 | 24 2 | 16 49 | 13 43 | 13 41 | 10 52 | | n.a. |
| F 18 | 15 12 | 19 41 | 3 17 | 21 33 | 2 8 | 16 5 | 0 7 | 10 15 | 0 3 | 18 34 | 1 21 | 24 17 | 0 47 | 0 56 | 0 39 | 12 40 | 1 37 | 24 2 | 16 49 | 13 43 | 13 40 | 10 53 | | n.a. |
| S 19 | 15 31 | 19 41 | 4 13 | 21 54 | 2 6 | 16 31 | 0 9 | 10 32 | 0 2 | 18 33 | 1 22 | 24 17 | 0 47 | 0 54 | 0 39 | 12 41 | 1 37 | 24 2 | 16 50 | 13 43 | 13 39 | 10 55 | | n.a. |
| S 20 | 15 50 | 18 29 | 4 52 | 22 13 | 2 4 | 16 56 | 0 12 | 10 50 | 0 1 | 18 32 | 1 22 | 24 17 | 0 47 | 0 53 | 0 39 | 12 42 | 1 37 | 24 2 | 16 50 | 13 43 | 13 38 | 10 57 | | n.a. |
| M21 | 16 9 | 16 16 | 5 13 | 22 31 | 2 2 | 17 20 | 0 14 | 11 7 | 0 0 | 18 31 | 1 22 | 24 18 | 0 48 | 0 52 | 0 39 | 12 43 | 1 37 | 24 2 | 16 51 | 13 43 | 13 37 | 10 58 | | n.a. |
| T 22 | 16 28 | 13 17 | 5 18 | 22 47 | 1 58 | 17 44 | 0 16 | 11 24 | 0s 0 | 18 30 | 1 23 | 24 18 | 0 48 | 0 51 | 0 39 | 12 43 | 1 37 | 24 2 | 16 51 | 13 43 | 13 36 | 11 0 | | n.a. |
| W23 | 16 46 | 9 46 | 5 6 | 23 1 | 1 54 | 18 8 | 0 19 | 11 41 | 0 1 | 18 29 | 1 23 | 24 18 | 0 48 | 0 50 | 0 39 | 12 44 | 1 37 | 24 2 | 16 52 | 13 43 | 13 34 | 11 2 | | n.a. |
| T 24 | 17 4 | 5 55 | 4 41 | 23 12 | 1 49 | 18 31 | 0 21 | 11 58 | 0 2 | 18 28 | 1 23 | 24 19 | 0 48 | 0 49 | 0 39 | 12 45 | 1 37 | 24 2 | 16 52 | 13 43 | 13 33 | 11 3 | | n.a. |
| F 25 | 17 22 | 1 54 | 4 3 | 23 22 | 1 43 | 18 53 | 0 23 | 12 15 | 0 2 | 18 27 | 1 24 | 24 19 | 0 48 | 0 47 | 0 39 | 12 46 | 1 37 | 24 2 | 16 53 | 13 43 | 13 32 | 11 5 | | n.a. |
| S 26 | 17 40 | 2n 9 | 3 15 | 23 29 | 1 36 | 19 15 | 0 25 | 12 31 | 0 3 | 18 26 | 1 24 | 24 19 | 0 49 | 0 46 | 0 39 | 12 46 | 1 37 | 24 2 | 16 53 | 13 43 | 13 31 | 11 7 | | n.a. |
| S 27 | 17 57 | 6 5 | 2 20 | 23 34 | 1 28 | 19 37 | 0 28 | 12 48 | 0 4 | 18 25 | 1 24 | 24 20 | 0 49 | 0 45 | 0 39 | 12 47 | 1 37 | 24 2 | 16 54 | 13 44 | 13 30 | 11 8 | | n.a. |
| M28 | 18 14 | 9 47 | 1 19 | 23 36 | 1 19 | 19 58 | 0 30 | 13 4 | 0 4 | 18 24 | 1 25 | 24 20 | 0 49 | 0 44 | 0 39 | 12 48 | 1 37 | 24 2 | 16 54 | 13 44 | 13 29 | 11 10 | | n.a. |
| T 29 | 18 30 | 13 6 | 0 14 | 23 36 | 1 9 | 20 18 | 0 32 | 13 21 | 0 5 | 18 24 | 1 25 | 24 20 | 0 49 | 0 43 | 0 39 | 12 49 | 1 37 | 24 2 | 16 55 | 13 44 | 13 28 | 11 12 | | n.a. |
| W30 | 18s46 | 15n54 | 0s52 | 23s33 | 0s57 | 20s38 | 0s34 | 13s37 | 0s 6 | 18n23 | 1n25 | 24n21 | 0n49 | 0n42 | 0n39 | 12s49 | 1n37 | 24n 2 | 16n55 | 13s44 | 13s27 | 11n13 | | n.a. |

Julian Day Number = 1001819.5, Delta T = 12h50m17s
Ecliptic obliquity = 23°55'09, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'12, Lahiri = -31°07'12 Julian Calendar 1 Nov. 1971 BCE == Greg. Calendar 15 Oct. 1971 BCE


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# ASTRODIENST EPHEMERIS for the year 1971 BCE
# geocentric

## DECEMBER 1971 BCE (-1970) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 31 38 | 23♏32'50 | 27♉10 | 12♐20 | 29♏ 6 | 6♏ 0 | 13♌48 | 10°R 4 | 29♍47 | 7♏41 | 8♍40 | 5°R50 | 4♏57 | 26♈55 | n.a. | T 1 |
| F 2 | 3 35 34 | 24°34'01 | 9♊14 | 13° 4 | 0♐21 | 6°46 | 13°51 | 10♋ 2 | 29°50 | 7°44 | 8°41 | 5♏48 | 4°54 | 27° 2 | n.a. | F 2 |
| S 3 | 3 39 31 | 25°35'12 | 21°27 | 13°40 | 1°36 | 7°31 | 13°54 | 9°59 | 29°52 | 7°46 | 8°42 | 5°45 | 4°50 | 27° 8 | n.a. | S 3 |
| S 4 | 3 43 28 | 26°36'23 | 3♋51 | 14° 7 | 2°52 | 8°17 | 13°56 | 9°56 | 29°55 | 7°48 | 8°43 | 5°42 | 4°47 | 27°15 | n.a. | S 4 |
| M 5 | 3 47 24 | 27°37'33 | 16°26 | 14°23 | 4° 7 | 9° 3 | 13°58 | 9°53 | 29°57 | 7°50 | 8°44 | 5°38 | 4°44 | 27°22 | n.a. | M 5 |
| T 6 | 3 51 21 | 28°38'42 | 29°16 | 14°R28 | 5°22 | 9°49 | 14° 0 | 9°51 | 29°59 | 7°52 | 8°45 | 5°35 | 4°41 | 27°28 | n.a. | T 6 |
| W 7 | 3 55 17 | 29°39'50 | 12♌21 | 14°22 | 6°37 | 10°35 | 14° 2 | 9°48 | 0♎ 2 | 7°55 | 8°45 | 5°33 | 4°38 | 27°35 | n.a. | W 7 |
| T 8 | 3 59 14 | 0♐40'58 | 25°44 | 14° 4 | 7°52 | 11°21 | 14° 4 | 9°44 | 0° 4 | 7°57 | 8°46 | 5°D32 | 4°35 | 27°42 | n.a. | T 8 |
| F 9 | 4 3 10 | 1°42'05 | 9♍25 | 13°35 | 9° 8 | 12° 6 | 14° 5 | 9°41 | 0° 7 | 7°59 | 8°47 | 5°32 | 4°31 | 27°48 | n.a. | F 9 |
| S 10 | 4 7 7 | 2°43'11 | 23°27 | 12°55 | 10°23 | 12°52 | 14° 6 | 9°38 | 0° 9 | 8° 1 | 8°48 | 5°33 | 4°28 | 27°55 | n.a. | S 10 |
| S 11 | 4 11 4 | 3°44'16 | 7♎47 | 12° 5 | 11°38 | 13°38 | 14° 7 | 9°35 | 0°11 | 8° 3 | 8°48 | 5°35 | 4°25 | 28° 2 | n.a. | S 11 |
| M12 | 4 15 0 | 4°45'21 | 22°25 | 11° 6 | 12°53 | 14°24 | 14° 8 | 9°31 | 0°13 | 8° 5 | 8°49 | 5°36 | 4°22 | 28° 8 | n.a. | M12 |
| T 13 | 4 18 57 | 5°46'25 | 7♏15 | 9°59 | 14° 8 | 15°11 | 14° 9 | 9°28 | 0°15 | 8° 7 | 8°49 | 5°R36 | 4°19 | 28°15 | n.a. | T 13 |
| W14 | 4 22 53 | 6°47'27 | 22°12 | 8°48 | 15°23 | 15°57 | 14°10 | 9°24 | 0°17 | 8° 9 | 8°50 | 5°35 | 4°15 | 28°22 | n.a. | W14 |
| T 15 | 4 26 50 | 7°48'29 | 7♐ 7 | 7°34 | 16°38 | 16°43 | 14°10 | 9°20 | 0°19 | 8°11 | 8°50 | 5°33 | 4°12 | 28°28 | n.a. | T 15 |
| F 16 | 4 30 46 | 8°49'30 | 21°52 | 6°19 | 17°54 | 17°29 | 14°R10 | 9°17 | 0°21 | 8°13 | 8°51 | 5°29 | 4° 9 | 28°35 | n.a. | F 16 |
| S 17 | 4 34 43 | 9°50'29 | 6♑20 | 5° 5 | 19° 9 | 18°15 | 14°10 | 9°13 | 0°23 | 8°15 | 8°51 | 5°23 | 4° 6 | 28°42 | n.a. | S 17 |
| S 18 | 4 38 40 | 10°51'27 | 20°24 | 3°55 | 20°24 | 19° 1 | 14°10 | 9° 9 | 0°25 | 8°17 | 8°52 | 5°18 | 4° 3 | 28°48 | n.a. | S 18 |
| M19 | 4 42 36 | 11°52'23 | 4♒ 2 | 2°50 | 21°39 | 19°48 | 14° 9 | 9° 5 | 0°27 | 8°19 | 8°52 | 5°12 | 4° 0 | 28°55 | n.a. | M19 |
| T 20 | 4 46 33 | 12°53'17 | 17°12 | 1°51 | 22°54 | 20°34 | 14° 8 | 9° 1 | 0°28 | 8°21 | 8°52 | 5° 8 | 3°56 | 29° 1 | n.a. | T 20 |
| W21 | 4 50 29 | 13°54'10 | 29°58 | 1° 0 | 24° 9 | 21°20 | 14° 8 | 8°57 | 0°30 | 8°23 | 8°53 | 5° 5 | 3°53 | 29° 8 | n.a. | W21 |
| T 22 | 4 54 26 | 14°55'01 | 12♓21 | 0°17 | 25°24 | 22° 6 | 14° 6 | 8°53 | 0°32 | 8°25 | 8°53 | 5°D 4 | 3°50 | 29°15 | n.a. | T 22 |
| F 23 | 4 58 22 | 15°55'50 | 24°28 | 29♏41 | 26°39 | 22°53 | 14° 5 | 8°49 | 0°33 | 8°27 | 8°53 | 5° 4 | 3°47 | 29°21 | n.a. | F 23 |
| S 24 | 5 2 19 | 16°56'38 | 6♈23 | 29°15 | 27°54 | 23°39 | 14° 4 | 8°45 | 0°35 | 8°29 | 8°53 | 5° 6 | 3°44 | 29°28 | n.a. | S 24 |
| S 25 | 5 6 15 | 17°57'23 | 18°11 | 28°56 | 29° 9 | 24°25 | 14° 2 | 8°40 | 0°36 | 8°31 | 8°54 | 5° 7 | 3°41 | 29°35 | n.a. | S 25 |
| M26 | 5 10 12 | 18°58'07 | 29°57 | 28°46 | 0♑23 | 25°12 | 14° 0 | 8°36 | 0°38 | 8°33 | 8°54 | 5°R 8 | 3°37 | 29°41 | n.a. | M26 |
| T 27 | 5 14 9 | 19°58'49 | 11♉47 | 28°D43 | 1°38 | 25°58 | 13°58 | 8°32 | 0°39 | 8°35 | 8°54 | 5° 8 | 3°34 | 29°48 | n.a. | T 27 |
| W28 | 5 18 5 | 20°59'30 | 23°42 | 28°47 | 2°53 | 26°44 | 13°56 | 8°27 | 0°40 | 8°36 | 8°54 | 5° 6 | 3°31 | 29°55 | n.a. | W28 |
| T 29 | 5 22 2 | 22° 0'08 | 5♊48 | 28°58 | 4° 8 | 27°31 | 13°54 | 8°23 | 0°42 | 8°38 | 8°R54 | 5° 2 | 3°28 | 0♉ 1 | n.a. | T 29 |
| F 30 | 5 25 58 | 23° 0'45 | 18° 4 | 29°16 | 5°23 | 28°17 | 13°51 | 8°18 | 0°43 | 8°40 | 8°54 | 4°56 | 3°25 | 0° 8 | n.a. | F 30 |
| S 31 | 5 29 55 | 24♐ 1'21 | 0♋34 | 29♏39 | 6♑38 | 29♏ 4 | 13♌49 | 8♋14 | 0♎44 | 8♏42 | 8♍54 | 4♏47 | 3♏21 | 0♉15 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 19s 2 | 18n 3 | 1s55 | 23s28 | 0s45 | 20s57 | 0s37 | 13s53 | 0s 7 | 18n23 | 1n26 | 24n21 | 0n49 | 0n41 | 0n39 | 12s50 | 1n37 | 24n 2 | 16n56 | 13s44 | 13s26 | 11n15 | | n.a. |
| F 2 | 19 17 | 19 24 | 2 54 | 23 20 | 0 31 | 21 16 | 0 39 | 14 9 | 0 7 | 18 22 | 1 26 | 24 21 | 0 50 | 0 40 | 0 39 | 12 51 | 1 37 | 24 2 | 16 56 | 13 43 | 13 25 | 11 16 | | n.a. |
| S 3 | 19 32 | 19 53 | 3 46 | 23 10 | 0 16 | 21 34 | 0 41 | 14 25 | 0 8 | 18 22 | 1 26 | 24 22 | 0 50 | 0 39 | 0 39 | 12 51 | 1 37 | 24 2 | 16 57 | 13 42 | 13 24 | 11 18 | | n.a. |
| S 4 | 19 47 | 19 24 | 4 28 | 22 57 | 0 0 | 21 51 | 0 43 | 14 41 | 0 9 | 18 21 | 1 27 | 24 22 | 0 50 | 0 38 | 0 39 | 12 52 | 1 37 | 24 3 | 16 58 | 13 41 | 13 22 | 11 20 | | n.a. |
| M 5 | 20 1 | 17 58 | 4 58 | 22 43 | 0n17 | 22 8 | 0 45 | 14 57 | 0 9 | 18 21 | 1 27 | 24 22 | 0 50 | 0 37 | 0 39 | 12 53 | 1 37 | 24 3 | 16 58 | 13 40 | 13 21 | 11 21 | | n.a. |
| T 6 | 20 15 | 15 37 | 5 13 | 22 25 | 0 35 | 22 24 | 0 47 | 15 12 | 0 10 | 18 21 | 1 27 | 24 23 | 0 50 | 0 36 | 0 39 | 12 54 | 1 37 | 24 3 | 16 59 | 13 39 | 13 20 | 11 23 | | n.a. |
| W 7 | 20 29 | 12 26 | 5 13 | 22 6 | 0 53 | 22 39 | 0 49 | 15 28 | 0 11 | 18 20 | 1 28 | 24 23 | 0 50 | 0 35 | 0 39 | 12 54 | 1 37 | 24 3 | 16 59 | 13 38 | 13 19 | 11 25 | | n.a. |
| T 8 | 20 42 | 8 34 | 4 56 | 21 45 | 1 12 | 22 54 | 0 51 | 15 43 | 0 12 | 18 20 | 1 28 | 24 24 | 0 51 | 0 34 | 0 39 | 12 55 | 1 37 | 24 3 | 17 0 | 13 38 | 13 18 | 11 26 | | n.a. |
| F 9 | 20 55 | 4 10 | 4 22 | 21 22 | 1 32 | 23 8 | 0 53 | 15 58 | 0 12 | 18 20 | 1 28 | 24 24 | 0 51 | 0 33 | 0 39 | 12 56 | 1 37 | 24 3 | 17 0 | 13 38 | 13 17 | 11 28 | | n.a. |
| S 10 | 21 7 | 0s34 | 3 32 | 20 58 | 1 51 | 23 21 | 0 55 | 16 13 | 0 13 | 18 20 | 1 29 | 24 24 | 0 51 | 0 32 | 0 39 | 12 56 | 1 37 | 24 4 | 17 1 | 13 38 | 13 16 | 11 29 | | n.a. |
| S 11 | 21 19 | 5 24 | 2 27 | 20 33 | 2 9 | 23 34 | 0 57 | 16 28 | 0 14 | 18 20 | 1 29 | 24 25 | 0 51 | 0 32 | 0 39 | 12 57 | 1 37 | 24 4 | 17 1 | 13 39 | 13 15 | 11 31 | | n.a. |
| M12 | 21 31 | 10 0 | 1 12 | 20 8 | 2 27 | 23 46 | 0 59 | 16 43 | 0 14 | 18 20 | 1 29 | 24 25 | 0 51 | 0 31 | 0 39 | 12 58 | 1 37 | 24 4 | 17 2 | 13 39 | 13 14 | 11 33 | | n.a. |
| T 13 | 21 42 | 14 4 | 0n 9 | 19 42 | 2 43 | 23 57 | 1 0 | 16 57 | 0 15 | 18 20 | 1 30 | 24 26 | 0 51 | 0 30 | 0 39 | 12 58 | 1 37 | 24 5 | 17 3 | 13 39 | 13 13 | 11 34 | | n.a. |
| W14 | 21 53 | 17 14 | 1 30 | 19 17 | 2 58 | 24 8 | 1 2 | 17 12 | 0 16 | 18 20 | 1 30 | 24 26 | 0 51 | 0 29 | 0 40 | 12 59 | 1 37 | 24 5 | 17 3 | 13 39 | 13 12 | 11 36 | | n.a. |
| T 15 | 22 3 | 19 14 | 2 44 | 18 53 | 3 11 | 24 17 | 1 4 | 17 26 | 0 17 | 18 21 | 1 30 | 24 26 | 0 52 | 0 28 | 0 40 | 13 0 | 1 37 | 24 5 | 17 4 | 13 38 | 13 10 | 11 37 | | n.a. |
| F 16 | 22 13 | 19 54 | 3 47 | 18 30 | 3 21 | 24 26 | 1 5 | 17 40 | 0 17 | 18 21 | 1 30 | 24 27 | 0 52 | 0 28 | 0 40 | 13 0 | 1 37 | 24 5 | 17 4 | 13 37 | 13 9 | 11 39 | | n.a. |
| S 17 | 22 22 | 19 13 | 4 33 | 18 9 | 3 29 | 24 35 | 1 7 | 17 54 | 0 18 | 18 21 | 1 31 | 24 27 | 0 52 | 0 27 | 0 40 | 13 1 | 1 37 | 24 6 | 17 5 | 13 35 | 13 8 | 11 41 | | n.a. |
| S 18 | 22 31 | 17 22 | 5 2 | 17 51 | 3 35 | 24 42 | 1 9 | 18 7 | 0 19 | 18 22 | 1 31 | 24 28 | 0 52 | 0 26 | 0 40 | 13 2 | 1 37 | 24 6 | 17 5 | 13 33 | 13 7 | 11 42 | | n.a. |
| M19 | 22 40 | 14 35 | 5 12 | 17 35 | 3 38 | 24 49 | 1 10 | 18 21 | 0 19 | 18 22 | 1 31 | 24 28 | 0 52 | 0 25 | 0 40 | 13 2 | 1 37 | 24 7 | 17 6 | 13 31 | 13 6 | 11 44 | | n.a. |
| T 20 | 22 48 | 11 9 | 5 5 | 17 22 | 3 39 | 24 55 | 1 12 | 18 34 | 0 20 | 18 23 | 1 32 | 24 29 | 0 52 | 0 25 | 0 40 | 13 3 | 1 37 | 24 7 | 17 7 | 13 29 | 13 5 | 11 45 | | n.a. |
| W21 | 22 56 | 7 18 | 4 43 | 17 13 | 3 38 | 25 0 | 1 13 | 18 47 | 0 21 | 18 23 | 1 32 | 24 29 | 0 53 | 0 24 | 0 40 | 13 3 | 1 37 | 24 7 | 17 7 | 13 29 | 13 4 | 11 47 | | n.a. |
| T 22 | 23 3 | 3 15 | 4 8 | 17 6 | 3 36 | 25 4 | 1 14 | 19 0 | 0 22 | 18 24 | 1 32 | 24 29 | 0 53 | 0 23 | 0 40 | 13 4 | 1 37 | 24 8 | 17 8 | 13 28 | 13 3 | 11 49 | | n.a. |
| F 23 | 23 9 | 0n52 | 3 23 | 17 3 | 3 31 | 25 8 | 1 16 | 19 13 | 0 22 | 18 24 | 1 33 | 24 30 | 0 53 | 0 23 | 0 40 | 13 5 | 1 37 | 24 8 | 17 8 | 13 28 | 13 2 | 11 50 | | n.a. |
| S 24 | 23 16 | 4 52 | 2 30 | 17 3 | 3 26 | 25 11 | 1 17 | 19 26 | 0 23 | 18 25 | 1 33 | 24 30 | 0 53 | 0 22 | 0 40 | 13 5 | 1 37 | 24 9 | 17 9 | 13 29 | 13 1 | 11 52 | | n.a. |
| S 25 | 23 22 | 8 40 | 1 31 | 17 6 | 3 19 | 25 13 | 1 18 | 19 38 | 0 24 | 18 26 | 1 33 | 24 31 | 0 53 | 0 22 | 0 40 | 13 6 | 1 37 | 24 9 | 17 9 | 13 29 | 13 0 | 11 53 | | n.a. |
| M26 | 23 27 | 12 7 | 0 28 | 17 11 | 3 11 | 25 14 | 1 19 | 19 50 | 0 24 | 18 27 | 1 34 | 24 31 | 0 53 | 0 21 | 0 40 | 13 6 | 1 37 | 24 10 | 17 10 | 13 30 | 12 58 | 11 55 | | n.a. |
| T 27 | 23 32 | 15 6 | 0s36 | 17 19 | 3 2 | 25 15 | 1 20 | 20 2 | 0 25 | 18 28 | 1 34 | 24 32 | 0 53 | 0 21 | 0 40 | 13 7 | 1 37 | 24 10 | 17 10 | 13 30 | 12 57 | 11 56 | | n.a. |
| W28 | 23 36 | 17 29 | 1 39 | 17 29 | 2 53 | 25 15 | 1 21 | 20 14 | 0 26 | 18 29 | 1 34 | 24 32 | 0 54 | 0 20 | 0 40 | 13 7 | 1 37 | 24 11 | 17 11 | 13 29 | 12 56 | 11 58 | | n.a. |
| T 29 | 23 40 | 19 7 | 2 38 | 17 41 | 2 43 | 25 13 | 1 22 | 20 26 | 0 27 | 18 30 | 1 35 | 24 32 | 0 54 | 0 20 | 0 40 | 13 8 | 1 37 | 24 11 | 17 12 | 13 28 | 12 55 | 12 0 | | n.a. |
| F 30 | 23 44 | 19 52 | 3 31 | 17 54 | 2 33 | 25 12 | 1 23 | 20 37 | 0 27 | 18 31 | 1 35 | 24 33 | 0 54 | 0 19 | 0 40 | 13 9 | 1 37 | 24 12 | 17 12 | 13 25 | 12 54 | 12 1 | | n.a. |
| S 31 | 23s47 | 19n41 | 4s14 | 18s 9 | 2n23 | 25s 9 | 1s24 | 20s48 | 0s28 | 18n32 | 1n35 | 24n33 | 0n54 | 0n19 | 0n40 | 13s 9 | 1n37 | 24n12 | 17n13 | 13s23 | 12s53 | 12n 3 | | n.a. |

Julian Day Number = 1001849.5, Delta T = 12h50m15s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'08, Lahiri = -31°07'08 Julian Calendar 1 Dec. 1971 BCE == Greg. Calendar 14 Nov. 1971 BCE

The year -1970 astronomical counting style corresponds to year 1971 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## JANUARY 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 33 51 | 25♐ 1'54 | 13♋17 | 0♐ 8 | 7♑52 | 29♏50 | 13°R46 | 8°R 9 | 0♎45 | 8♏43 | 8°R54 | 4°R38 | 3♏18 | 0♉21 | n.a. | S 1 |
| M 2 | 5 37 48 | 26° 2'26 | 26°12 | 0°42 | 9° 7 | 0♐37 | 13♌42 | 8♋ 4 | 0°46 | 8°45 | 8♍53 | 4♏29 | 3°15 | 0°28 | n.a. | M 2 |
| T 3 | 5 41 44 | 27° 2'56 | 9♌20 | 1°20 | 10°22 | 1°23 | 13°39 | 8° 0 | 0°47 | 8°47 | 8°53 | 4°20 | 3°12 | 0°35 | n.a. | T 3 |
| W 4 | 5 45 41 | 28° 3'25 | 22°40 | 2° 3 | 11°37 | 2°10 | 13°36 | 7°55 | 0°48 | 8°48 | 8°53 | 4°13 | 3° 9 | 0°41 | n.a. | W 4 |
| T 5 | 5 49 38 | 29° 3'52 | 6♍12 | 2°49 | 12°51 | 2°56 | 13°32 | 7°50 | 0°49 | 8°50 | 8°53 | 4° 8 | 3° 6 | 0°48 | n.a. | T 5 |
| F 6 | 5 53 34 | 0♑ 4'17 | 19°55 | 3°39 | 14° 6 | 3°43 | 13°28 | 7°46 | 0°50 | 8°52 | 8°53 | 4° 6 | 3° 2 | 0°54 | n.a. | F 6 |
| S 7 | 5 57 31 | 1° 4'41 | 3♎49 | 4°32 | 15°21 | 4°29 | 13°24 | 7°41 | 0°51 | 8°53 | 8°52 | 4°D 5 | 2°59 | 1° 1 | n.a. | S 7 |
| S 8 | 6 1 27 | 2° 5'04 | 17°55 | 5°29 | 16°35 | 5°16 | 13°20 | 7°36 | 0°52 | 8°55 | 8°52 | 4° 6 | 2°56 | 1° 8 | n.a. | S 8 |
| M 9 | 6 5 24 | 3° 5'24 | 2♏11 | 6°28 | 17°50 | 6° 3 | 13°16 | 7°32 | 0°52 | 8°56 | 8°51 | 4°R 6 | 2°53 | 1°14 | n.a. | M 9 |
| T 10 | 6 9 20 | 4° 5'43 | 16°37 | 7°30 | 19° 5 | 6°49 | 13°11 | 7°27 | 0°53 | 8°58 | 8°51 | 4° 6 | 2°50 | 1°21 | n.a. | T 10 |
| W11 | 6 13 17 | 5° 6'01 | 1♐ 8 | 8°34 | 20°19 | 7°36 | 13° 7 | 7°22 | 0°54 | 8°59 | 8°51 | 4° 3 | 2°47 | 1°28 | n.a. | W11 |
| T 12 | 6 17 13 | 6° 6'17 | 15°39 | 9°41 | 21°34 | 8°22 | 13° 2 | 7°17 | 0°54 | 9° 1 | 8°50 | 3°58 | 2°43 | 1°34 | n.a. | T 12 |
| F 13 | 6 21 10 | 7° 6'30 | 0♑ 5 | 10°49 | 22°48 | 9° 9 | 12°57 | 7°12 | 0°55 | 9° 2 | 8°50 | 3°49 | 2°40 | 1°41 | n.a. | F 13 |
| S 14 | 6 25 7 | 8° 6'42 | 14°20 | 12° 0 | 24° 3 | 9°56 | 12°52 | 7° 8 | 0°55 | 9° 4 | 8°49 | 3°39 | 2°37 | 1°48 | n.a. | S 14 |
| S 15 | 6 29 3 | 9° 6'52 | 28°16 | 13°13 | 25°17 | 10°42 | 12°47 | 7° 3 | 0°55 | 9° 5 | 8°48 | 3°28 | 2°34 | 1°54 | n.a. | S 15 |
| M16 | 6 33 0 | 10° 7'00 | 11♒51 | 14°27 | 26°32 | 11°29 | 12°41 | 6°58 | 0°56 | 9° 6 | 8°48 | 3°17 | 2°31 | 2° 1 | n.a. | M16 |
| T 17 | 6 36 56 | 11° 7'05 | 25° 3 | 15°43 | 27°46 | 12°16 | 12°36 | 6°53 | 0°56 | 9° 8 | 8°47 | 3° 8 | 2°27 | 2° 8 | n.a. | T 17 |
| W18 | 6 40 53 | 12° 7'08 | 7♓50 | 17° 1 | 29° 1 | 13° 2 | 12°30 | 6°49 | 0°56 | 9° 9 | 8°46 | 3° 0 | 2°24 | 2°14 | n.a. | W18 |
| T 19 | 6 44 49 | 13° 7'09 | 20°17 | 18°20 | 0♒15 | 13°49 | 12°24 | 6°44 | 0°56 | 9°10 | 8°46 | 2°56 | 2°21 | 2°21 | n.a. | T 19 |
| F 20 | 6 48 46 | 14° 7'07 | 2♈26 | 19°41 | 1°29 | 14°36 | 12°18 | 6°39 | 0°56 | 9°11 | 8°45 | 2°53 | 2°18 | 2°27 | n.a. | F 20 |
| S 21 | 6 52 42 | 15° 7'03 | 14°22 | 21° 3 | 2°44 | 15°22 | 12°12 | 6°34 | 0°R57 | 9°13 | 8°44 | 2°D52 | 2°15 | 2°34 | n.a. | S 21 |
| S 22 | 6 56 39 | 16° 6'57 | 26°11 | 22°27 | 3°58 | 16° 9 | 12° 6 | 6°30 | 0°57 | 9°14 | 8°43 | 2°53 | 2°12 | 2°41 | n.a. | S 22 |
| M23 | 7 0 36 | 17° 6'48 | 7♉58 | 23°52 | 5°12 | 16°56 | 12° 0 | 6°25 | 0°56 | 9°15 | 8°43 | 2°R53 | 2° 8 | 2°47 | n.a. | M23 |
| T 24 | 7 4 32 | 18° 6'37 | 19°49 | 25°18 | 6°26 | 17°43 | 11°53 | 6°20 | 0°56 | 9°16 | 8°42 | 2°51 | 2° 5 | 2°54 | n.a. | T 24 |
| W25 | 7 8 29 | 19° 6'24 | 1♊49 | 26°46 | 7°41 | 18°29 | 11°47 | 6°16 | 0°56 | 9°17 | 8°41 | 2°48 | 2° 2 | 3° 1 | n.a. | W25 |
| T 26 | 7 12 25 | 20° 6'08 | 14° 1 | 28°15 | 8°55 | 19°16 | 11°40 | 6°11 | 0°56 | 9°18 | 8°40 | 2°42 | 1°59 | 3° 7 | n.a. | T 26 |
| F 27 | 7 16 22 | 21° 5'50 | 26°29 | 29°45 | 10° 9 | 20° 3 | 11°33 | 6° 7 | 0°56 | 9°19 | 8°39 | 2°33 | 1°56 | 3°14 | n.a. | F 27 |
| S 28 | 7 20 18 | 22° 5'30 | 9♋14 | 1♑17 | 11°23 | 20°49 | 11°26 | 6° 2 | 0°55 | 9°20 | 8°38 | 2°22 | 1°53 | 3°21 | n.a. | S 28 |
| S 29 | 7 24 15 | 23° 5'07 | 22°17 | 2°50 | 12°37 | 21°36 | 11°19 | 5°58 | 0°55 | 9°21 | 8°37 | 2° 9 | 1°49 | 3°27 | n.a. | S 29 |
| M30 | 7 28 11 | 24° 4'42 | 5♌35 | 4°24 | 13°51 | 22°23 | 11°12 | 5°53 | 0°55 | 9°22 | 8°36 | 1°56 | 1°46 | 3°34 | n.a. | M30 |
| T 31 | 7 32 8 | 25♑ 4'15 | 19♌ 8 | 5♑59 | 15♒ 5 | 23♐ 9 | 11♌ 5 | 5♋49 | 0♎54 | 9♏23 | 8♍35 | 1♏44 | 1♏43 | 3♉41 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 23 s49 | 18n30 | 4 s46 | 18 s26 | 2n12 | 25 s 6 | 1 s25 | 20 s59 | 0 s29 | 18n33 | 1n36 | 24n34 | 0n54 | 0n18 | 0n40 | 13 s10 | 1n37 | 24n13 | 17n13 | 13 s19 | 12 s52 | 12n 4 | | | n.a. |
| M 2 | 23 51 | 16 22 | 5 3 | 18 43 | 2 2 | 25 1 | 1 26 | 21 10 | 0 30 | 18 34 | 1 36 | 24 34 | 0 54 | 0 18 | 0 40 | 13 10 | 1 37 | 24 13 | 17 14 | 13 16 | 12 51 | 12 6 | | | n.a. |
| T 3 | 23 53 | 13 22 | 5 5 | 19 2 | 1 51 | 24 56 | 1 26 | 21 21 | 0 30 | 18 35 | 1 36 | 24 34 | 0 54 | 0 17 | 0 40 | 13 11 | 1 37 | 24 14 | 17 14 | 13 13 | 12 50 | 12 7 | | | n.a. |
| W 4 | 23 54 | 9 39 | 4 51 | 19 21 | 1 40 | 24 51 | 1 27 | 21 31 | 0 31 | 18 37 | 1 37 | 24 35 | 0 54 | 0 17 | 0 40 | 13 11 | 1 37 | 24 14 | 17 15 | 13 11 | 12 48 | 12 9 | | | n.a. |
| T 5 | 23 55 | 5 24 | 4 20 | 19 41 | 1 30 | 24 44 | 1 27 | 21 41 | 0 32 | 18 38 | 1 37 | 24 35 | 0 55 | 0 17 | 0 40 | 13 12 | 1 37 | 24 15 | 17 15 | 13 9 | 12 47 | 12 10 | | | n.a. |
| F 6 | 23 55 | 0 48 | 3 34 | 20 1 | 1 19 | 24 37 | 1 28 | 21 51 | 0 32 | 18 40 | 1 37 | 24 36 | 0 55 | 0 16 | 0 40 | 13 12 | 1 37 | 24 16 | 17 16 | 13 8 | 12 46 | 12 12 | | | n.a. |
| S 7 | 23 55 | 3 s55 | 2 35 | 20 21 | 1 9 | 24 29 | 1 28 | 22 0 | 0 33 | 18 41 | 1 37 | 24 36 | 0 55 | 0 16 | 0 40 | 13 13 | 1 37 | 24 16 | 17 17 | 13 8 | 12 45 | 12 14 | | | n.a. |
| S 8 | 23 54 | 8 29 | 1 26 | 20 41 | 0 58 | 24 20 | 1 29 | 22 10 | 0 34 | 18 42 | 1 38 | 24 36 | 0 55 | 0 16 | 0 40 | 13 13 | 1 37 | 24 17 | 17 17 | 13 8 | 12 44 | 12 15 | | | n.a. |
| M 9 | 23 53 | 12 38 | 0 10 | 21 2 | 0 48 | 24 10 | 1 29 | 22 19 | 0 35 | 18 44 | 1 38 | 24 37 | 0 55 | 0 16 | 0 40 | 13 14 | 1 37 | 24 17 | 17 18 | 13 8 | 12 43 | 12 17 | | | n.a. |
| T 10 | 23 51 | 16 5 | 1n 6 | 21 22 | 0 38 | 24 0 | 1 29 | 22 28 | 0 35 | 18 46 | 1 38 | 24 37 | 0 55 | 0 15 | 0 40 | 13 14 | 1 37 | 24 18 | 17 18 | 13 8 | 12 42 | 12 18 | | | n.a. |
| W11 | 23 49 | 18 32 | 2 19 | 21 42 | 0 29 | 23 49 | 1 29 | 22 36 | 0 36 | 18 47 | 1 39 | 24 38 | 0 55 | 0 15 | 0 40 | 13 14 | 1 38 | 24 19 | 17 19 | 13 7 | 12 41 | 12 20 | | | n.a. |
| T 12 | 23 46 | 19 46 | 3 23 | 22 2 | 0 19 | 23 37 | 1 30 | 22 45 | 0 37 | 18 49 | 1 39 | 24 38 | 0 55 | 0 15 | 0 40 | 13 15 | 1 38 | 24 19 | 17 19 | 13 5 | 12 40 | 12 21 | | | n.a. |
| F 13 | 23 43 | 19 42 | 4 13 | 22 21 | 0 10 | 23 25 | 1 30 | 22 53 | 0 37 | 18 51 | 1 39 | 24 38 | 0 55 | 0 15 | 0 40 | 13 15 | 1 38 | 24 20 | 17 20 | 13 3 | 12 39 | 12 23 | | | n.a. |
| S 14 | 23 40 | 18 23 | 4 47 | 22 40 | 0 1 | 23 12 | 1 30 | 23 1 | 0 38 | 18 52 | 1 39 | 24 39 | 0 55 | 0 15 | 0 40 | 13 16 | 1 38 | 24 21 | 17 20 | 12 59 | 12 37 | 12 24 | | | n.a. |
| S 15 | 23 36 | 15 59 | 5 2 | 22 59 | 0 s 8 | 22 58 | 1 29 | 23 8 | 0 39 | 18 54 | 1 40 | 24 39 | 0 56 | 0 15 | 0 40 | 13 16 | 1 38 | 24 21 | 17 21 | 12 55 | 12 36 | 12 26 | | | n.a. |
| M16 | 23 31 | 12 47 | 5 0 | 23 16 | 0 17 | 22 44 | 1 29 | 23 16 | 0 40 | 18 56 | 1 40 | 24 39 | 0 56 | 0 14 | 0 41 | 13 17 | 1 38 | 24 22 | 17 21 | 12 51 | 12 35 | 12 27 | | | n.a. |
| T 17 | 23 27 | 9 1 | 4 42 | 23 33 | 0 25 | 22 29 | 1 29 | 23 23 | 0 40 | 18 58 | 1 40 | 24 40 | 0 56 | 0 14 | 0 41 | 13 17 | 1 38 | 24 23 | 17 22 | 12 48 | 12 34 | 12 29 | | | n.a. |
| W18 | 23 21 | 4 57 | 4 10 | 23 49 | 0 33 | 22 13 | 1 29 | 23 30 | 0 41 | 19 0 | 1 40 | 24 40 | 0 56 | 0 14 | 0 41 | 13 17 | 1 38 | 24 24 | 17 22 | 12 46 | 12 33 | 12 30 | | | n.a. |
| T 19 | 23 15 | 0 46 | 3 26 | 24 5 | 0 41 | 21 56 | 1 28 | 23 36 | 0 42 | 19 2 | 1 41 | 24 41 | 0 56 | 0 14 | 0 41 | 13 18 | 1 38 | 24 24 | 17 23 | 12 44 | 12 32 | 12 32 | | | n.a. |
| F 20 | 23 9 | 3n20 | 2 35 | 24 19 | 0 49 | 21 39 | 1 28 | 23 43 | 0 42 | 19 4 | 1 41 | 24 41 | 0 56 | 0 14 | 0 41 | 13 18 | 1 38 | 24 25 | 17 23 | 12 43 | 12 31 | 12 33 | | | n.a. |
| S 21 | 23 3 | 7 15 | 1 37 | 24 32 | 0 56 | 21 22 | 1 27 | 23 49 | 0 43 | 19 5 | 1 41 | 24 41 | 0 56 | 0 14 | 0 41 | 13 18 | 1 38 | 24 26 | 17 24 | 12 43 | 12 30 | 12 35 | | | n.a. |
| S 22 | 22 55 | 10 51 | 0 36 | 24 44 | 1 3 | 21 3 | 1 27 | 23 54 | 0 44 | 19 7 | 1 41 | 24 42 | 0 56 | 0 14 | 0 41 | 13 19 | 1 38 | 24 27 | 17 24 | 12 43 | 12 28 | 12 36 | | | n.a. |
| M23 | 22 48 | 14 1 | 0 s27 | 24 56 | 1 9 | 20 44 | 1 26 | 24 0 | 0 44 | 19 10 | 1 41 | 24 42 | 0 56 | 0 14 | 0 41 | 13 19 | 1 38 | 24 27 | 17 25 | 12 43 | 12 27 | 12 38 | | | n.a. |
| T 24 | 22 40 | 16 37 | 1 29 | 25 5 | 1 16 | 20 25 | 1 25 | 24 5 | 0 45 | 19 12 | 1 42 | 24 42 | 0 56 | 0 14 | 0 41 | 13 19 | 1 38 | 24 28 | 17 25 | 12 42 | 12 26 | 12 39 | | | n.a. |
| W25 | 22 32 | 18 32 | 2 27 | 25 14 | 1 21 | 20 5 | 1 25 | 24 10 | 0 46 | 19 14 | 1 42 | 24 42 | 0 56 | 0 15 | 0 41 | 13 20 | 1 38 | 24 29 | 17 26 | 12 41 | 12 25 | 12 41 | | | n.a. |
| T 26 | 22 23 | 19 38 | 3 20 | 25 21 | 1 27 | 19 44 | 1 24 | 24 15 | 0 46 | 19 16 | 1 42 | 24 43 | 0 57 | 0 15 | 0 41 | 13 20 | 1 38 | 24 30 | 17 26 | 12 39 | 12 24 | 12 42 | | | n.a. |
| F 27 | 22 14 | 19 48 | 4 4 | 25 27 | 1 32 | 19 23 | 1 23 | 24 19 | 0 47 | 19 18 | 1 42 | 24 43 | 0 57 | 0 15 | 0 41 | 13 20 | 1 38 | 24 30 | 17 26 | 12 36 | 12 23 | 12 44 | | | n.a. |
| S 28 | 22 4 | 18 59 | 4 37 | 25 32 | 1 37 | 19 1 | 1 22 | 24 23 | 0 48 | 19 20 | 1 42 | 24 43 | 0 57 | 0 15 | 0 41 | 13 21 | 1 38 | 24 31 | 17 27 | 12 32 | 12 22 | 12 45 | | | n.a. |
| S 29 | 21 54 | 17 10 | 4 56 | 25 35 | 1 42 | 18 39 | 1 21 | 24 27 | 0 48 | 19 22 | 1 43 | 24 44 | 0 57 | 0 15 | 0 41 | 13 21 | 1 38 | 24 32 | 17 27 | 12 28 | 12 21 | 12 47 | | | n.a. |
| M30 | 21 44 | 14 24 | 5 0 | 25 37 | 1 46 | 18 16 | 1 20 | 24 31 | 0 49 | 19 24 | 1 43 | 24 44 | 0 57 | 0 15 | 0 41 | 13 21 | 1 38 | 24 33 | 17 28 | 12 23 | 12 20 | 12 48 | | | n.a. |
| T 31 | 21 s33 | 10n50 | 4 s47 | 25 s36 | 1 s50 | 17 s53 | 1 s19 | 24 s34 | 0 s50 | 19n26 | 1n43 | 24n44 | 0n57 | 0n16 | 0n41 | 13 s21 | 1n38 | 24n34 | 17n28 | 12 s19 | 12 s18 | 12n50 | | | n.a. |

Julian Day Number = 1001880.5, Delta T = 12h50m13s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'04, Lahiri = -31°07'03 Julian Calendar 1 Jan. 1970 BCE == Greg. Calendar 15 Dec. 1971 BCE


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## FEBRUARY 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 36 4 | 26♉ 3'46 | 2♍52 | 7♉35 | 16♒19 | 23♐56 | 10°R58 | 5°R44 | 0°R54 | 9♏24 | 8°R34 | 1°R34 | 1♏40 | 3♉47 | n.a. | W 1 |
| T 2 | 7 40 1 | 27° 3'15 | 16°44 | 9°13 | 17°33 | 24°43 | 10♌51 | 5♋40 | 0♎53 | 9°24 | 8♍33 | 1♏27 | 1°37 | 3°54 | n.a. | T 2 |
| F 3 | 7 43 58 | 28° 2'42 | 0♎42 | 10°52 | 18°47 | 25°29 | 10°43 | 5°36 | 0°52 | 9°25 | 8°31 | 1°23 | 1°33 | 4° 1 | n.a. | F 3 |
| S 4 | 7 47 54 | 29° 2'07 | 14°44 | 12°32 | 20° 1 | 26°16 | 10°36 | 5°32 | 0°52 | 9°26 | 8°30 | 1°21 | 1°30 | 4° 7 | n.a. | S 4 |
| S 5 | 7 51 51 | 0♒ 1'30 | 28°48 | 14°14 | 21°15 | 27° 3 | 10°29 | 5°28 | 0°51 | 9°27 | 8°29 | 1°21 | 1°27 | 4°14 | n.a. | S 5 |
| M 6 | 7 55 47 | 1° 0'51 | 12♏54 | 15°57 | 22°29 | 27°49 | 10°21 | 5°23 | 0°50 | 9°27 | 8°28 | 1°21 | 1°24 | 4°20 | n.a. | M 6 |
| T 7 | 7 59 44 | 2° 0'10 | 27° 2 | 17°41 | 23°42 | 28°36 | 10°14 | 5°19 | 0°49 | 9°28 | 8°27 | 1°19 | 1°21 | 4°27 | n.a. | T 7 |
| W 8 | 8 3 40 | 2°59'28 | 11♐ 9 | 19°26 | 24°56 | 29°23 | 10° 6 | 5°16 | 0°48 | 9°29 | 8°25 | 1°16 | 1°18 | 4°34 | n.a. | W 8 |
| T 9 | 8 7 37 | 3°58'43 | 25°14 | 21°13 | 26°10 | 0♑ 9 | 9°58 | 5°12 | 0°47 | 9°29 | 8°24 | 1° 9 | 1°14 | 4°40 | n.a. | T 9 |
| F 10 | 8 11 33 | 4°57'57 | 9♑14 | 23° 1 | 27°23 | 0°56 | 9°51 | 5° 8 | 0°46 | 9°30 | 8°23 | 1° 0 | 1°11 | 4°47 | n.a. | F 10 |
| S 11 | 8 15 30 | 5°57'08 | 23° 3 | 24°51 | 28°37 | 1°42 | 9°43 | 5° 4 | 0°45 | 9°30 | 8°21 | 0°49 | 1° 8 | 4°54 | n.a. | S 11 |
| S 12 | 8 19 26 | 6°56'17 | 6♒40 | 26°41 | 29°51 | 2°29 | 9°35 | 5° 0 | 0°44 | 9°31 | 8°20 | 0°36 | 1° 5 | 5° 0 | n.a. | S 12 |
| M13 | 8 23 23 | 7°55'24 | 20° 0 | 28°34 | 1♓ 4 | 3°16 | 9°28 | 4°57 | 0°43 | 9°31 | 8°19 | 0°23 | 1° 2 | 5° 7 | n.a. | M13 |
| T 14 | 8 27 20 | 8°54'29 | 3♓ 1 | 0♒27 | 2°18 | 4° 2 | 9°20 | 4°53 | 0°42 | 9°32 | 8°17 | 0°12 | 0°59 | 5°14 | n.a. | T 14 |
| W15 | 8 31 16 | 9°53'31 | 15°42 | 2°22 | 3°31 | 4°49 | 9°12 | 4°50 | 0°41 | 9°32 | 8°16 | 0° 3 | 0°55 | 5°20 | n.a. | W15 |
| T 16 | 8 35 13 | 10°52'31 | 28° 6 | 4°18 | 4°45 | 5°35 | 9° 4 | 4°46 | 0°39 | 9°33 | 8°14 | 29♎56 | 0°52 | 5°27 | n.a. | T 16 |
| F 17 | 8 39 9 | 11°51'28 | 10♈14 | 6°15 | 5°58 | 6°22 | 8°57 | 4°43 | 0°38 | 9°33 | 8°13 | 29°53 | 0°49 | 5°34 | n.a. | F 17 |
| S 18 | 8 43 6 | 12°50'23 | 22°10 | 8°14 | 7°11 | 7° 8 | 8°49 | 4°40 | 0°37 | 9°33 | 8°11 | 29°51 | 0°46 | 5°40 | n.a. | S 18 |
| S 19 | 8 47 2 | 13°49'16 | 4♉ 0 | 10°14 | 8°25 | 7°55 | 8°41 | 4°36 | 0°35 | 9°34 | 8°10 | 29°D51 | 0°43 | 5°47 | n.a. | S 19 |
| M20 | 8 50 59 | 14°48'06 | 15°48 | 12°15 | 9°38 | 8°41 | 8°33 | 4°33 | 0°34 | 9°34 | 8° 8 | 29°R51 | 0°39 | 5°54 | n.a. | M20 |
| T 21 | 8 54 55 | 15°46'54 | 27°40 | 14°17 | 10°51 | 9°28 | 8°26 | 4°30 | 0°32 | 9°34 | 8° 7 | 29°51 | 0°36 | 6° 0 | n.a. | T 21 |
| W22 | 8 58 52 | 16°45'39 | 9♊42 | 16°20 | 12° 4 | 10°14 | 8°18 | 4°27 | 0°31 | 9°34 | 8° 5 | 29°48 | 0°33 | 6° 7 | n.a. | W22 |
| T 23 | 9 2 48 | 17°44'22 | 21°57 | 18°24 | 13°18 | 11° 0 | 8°11 | 4°25 | 0°29 | 9°34 | 8° 4 | 29°44 | 0°30 | 6°13 | n.a. | T 23 |
| F 24 | 9 6 45 | 18°43'03 | 4♋31 | 20°29 | 14°31 | 11°47 | 8° 3 | 4°22 | 0°28 | 9°34 | 8° 2 | 29°36 | 0°27 | 6°20 | n.a. | F 24 |
| S 25 | 9 10 42 | 19°41'41 | 17°26 | 22°34 | 15°44 | 12°33 | 7°56 | 4°19 | 0°26 | 9°34 | 8° 1 | 29°27 | 0°24 | 6°27 | n.a. | S 25 |
| S 26 | 9 14 38 | 20°40'18 | 0♌43 | 24°40 | 16°57 | 13°19 | 7°48 | 4°17 | 0°24 | 9°35 | 7°59 | 29°16 | 0°20 | 6°33 | n.a. | S 26 |
| M27 | 9 18 35 | 21°38'51 | 14°21 | 26°46 | 18°10 | 14° 6 | 7°41 | 4°14 | 0°23 | 9°R35 | 7°58 | 29° 5 | 0°17 | 6°40 | n.a. | M27 |
| T 28 | 9 22 31 | 22♒37'23 | 28♌17 | 28♒51 | 19♓23 | 14♉52 | 7♌34 | 4♋12 | 0♎21 | 9♏35 | 7♍56 | 28♎55 | 0♏14 | 6♉47 | n.a. | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 21 s22 | 6n39 | 4 s18 | 25 s35 | 1 s53 | 17 s29 | 1 s17 | 24 s37 | 0 s50 | 19n29 | 1n43 | 24n44 | 0n57 | 0n16 | 0n41 | 13 s22 | 1n38 | 24n34 | 17n29 | 12 s15 | 12 s17 | 12n51 | | n.a. | W 1 |
| T 2 | 21 10 | 2 5 | 3 33 | 25 31 | 1 56 | 17 5 | 1 16 | 24 40 | 0 51 | 19 31 | 1 43 | 24 45 | 0 57 | 0 16 | 0 41 | 13 22 | 1 38 | 24 35 | 17 29 | 12 13 | 12 16 | 12 53 | | n.a. | T 2 |
| F 3 | 20 58 | 2 s38 | 2 35 | 25 26 | 1 59 | 16 41 | 1 15 | 24 42 | 0 52 | 19 33 | 1 43 | 24 45 | 0 57 | 0 16 | 0 41 | 13 22 | 1 38 | 24 36 | 17 29 | 12 11 | 12 15 | 12 54 | | n.a. | F 3 |
| S 4 | 20 46 | 7 15 | 1 27 | 25 19 | 2 1 | 16 16 | 1 13 | 24 44 | 0 52 | 19 35 | 1 44 | 24 45 | 0 57 | 0 17 | 0 41 | 13 22 | 1 39 | 24 37 | 17 30 | 12 11 | 12 14 | 12 55 | | n.a. | S 4 |
| S 5 | 20 33 | 11 28 | 0 13 | 25 10 | 2 3 | 15 50 | 1 12 | 24 46 | 0 53 | 19 37 | 1 44 | 24 45 | 0 57 | 0 17 | 0 41 | 13 22 | 1 39 | 24 38 | 17 30 | 12 11 | 12 13 | 12 57 | | n.a. | S 5 |
| M 6 | 20 20 | 15 4 | 1n 1 | 25 0 | 2 4 | 15 24 | 1 10 | 24 48 | 0 54 | 19 40 | 1 44 | 24 46 | 0 57 | 0 17 | 0 41 | 13 23 | 1 39 | 24 38 | 17 30 | 12 10 | 12 12 | 12 58 | | n.a. | M 6 |
| T 7 | 20 7 | 17 45 | 2 11 | 24 47 | 2 5 | 14 58 | 1 9 | 24 49 | 0 54 | 19 42 | 1 44 | 24 46 | 0 57 | 0 18 | 0 41 | 13 23 | 1 39 | 24 39 | 17 31 | 12 10 | 12 11 | 13 0 | | n.a. | T 7 |
| W 8 | 19 53 | 19 22 | 3 14 | 24 33 | 2 5 | 14 31 | 1 7 | 24 50 | 0 55 | 19 44 | 1 44 | 24 46 | 0 57 | 0 18 | 0 41 | 13 23 | 1 39 | 24 40 | 17 31 | 12 9 | 12 9 | 13 1 | | n.a. | W 8 |
| T 9 | 19 39 | 19 46 | 4 4 | 24 16 | 2 5 | 14 4 | 1 5 | 24 51 | 0 56 | 19 46 | 1 44 | 24 46 | 0 57 | 0 18 | 0 41 | 13 23 | 1 39 | 24 41 | 17 31 | 12 6 | 12 8 | 13 3 | | n.a. | T 9 |
| F 10 | 19 24 | 18 57 | 4 40 | 23 57 | 2 5 | 13 37 | 1 4 | 24 51 | 0 56 | 19 49 | 1 44 | 24 46 | 0 57 | 0 19 | 0 41 | 13 23 | 1 39 | 24 42 | 17 32 | 12 3 | 12 7 | 13 4 | | n.a. | F 10 |
| S 11 | 19 10 | 17 1 | 4 58 | 23 37 | 2 4 | 13 9 | 1 2 | 24 51 | 0 57 | 19 51 | 1 44 | 24 47 | 0 57 | 0 19 | 0 41 | 13 23 | 1 39 | 24 43 | 17 32 | 11 59 | 12 6 | 13 6 | | n.a. | S 11 |
| S 12 | 18 54 | 14 10 | 4 59 | 23 14 | 2 2 | 12 41 | 1 0 | 24 51 | 0 57 | 19 53 | 1 44 | 24 47 | 0 58 | 0 20 | 0 41 | 13 23 | 1 39 | 24 43 | 17 32 | 11 55 | 12 5 | 13 7 | | n.a. | S 12 |
| M13 | 18 39 | 10 38 | 4 43 | 22 49 | 2 0 | 12 13 | 0 58 | 24 51 | 0 58 | 19 55 | 1 45 | 24 47 | 0 58 | 0 20 | 0 41 | 13 24 | 1 39 | 24 44 | 17 33 | 11 50 | 12 4 | 13 8 | | n.a. | M13 |
| T 14 | 18 23 | 6 40 | 4 13 | 22 22 | 1 57 | 11 44 | 0 56 | 24 50 | 0 59 | 19 57 | 1 45 | 24 47 | 0 58 | 0 21 | 0 41 | 13 24 | 1 39 | 24 45 | 17 33 | 11 46 | 12 3 | 13 10 | | n.a. | T 14 |
| W15 | 18 7 | 2 30 | 3 31 | 21 52 | 1 54 | 11 15 | 0 54 | 24 49 | 0 59 | 20 0 | 1 45 | 24 47 | 0 58 | 0 21 | 0 41 | 13 24 | 1 39 | 24 46 | 17 33 | 11 43 | 12 2 | 13 11 | | n.a. | W15 |
| T 16 | 17 51 | 1n40 | 2 40 | 21 21 | 1 50 | 10 46 | 0 52 | 24 48 | 1 0 | 20 2 | 1 45 | 24 47 | 0 58 | 0 22 | 0 41 | 13 24 | 1 39 | 24 47 | 17 34 | 11 40 | 12 0 | 13 13 | | n.a. | T 16 |
| F 17 | 17 35 | 5 41 | 1 42 | 20 47 | 1 46 | 10 16 | 0 49 | 24 46 | 1 0 | 20 4 | 1 45 | 24 48 | 0 58 | 0 22 | 0 41 | 13 24 | 1 39 | 24 47 | 17 34 | 11 39 | 11 59 | 13 14 | | n.a. | F 17 |
| S 18 | 17 18 | 9 26 | 0 41 | 20 12 | 1 41 | 9 46 | 0 47 | 24 44 | 1 1 | 20 6 | 1 45 | 24 48 | 0 58 | 0 23 | 0 41 | 13 24 | 1 39 | 24 48 | 17 34 | 11 39 | 11 58 | 13 16 | | n.a. | S 18 |
| S 19 | 17 1 | 12 46 | 0 s22 | 19 34 | 1 36 | 9 16 | 0 45 | 24 42 | 1 2 | 20 8 | 1 45 | 24 48 | 0 58 | 0 24 | 0 41 | 13 24 | 1 39 | 24 49 | 17 34 | 11 39 | 11 57 | 13 17 | | n.a. | S 19 |
| M20 | 16 43 | 15 34 | 1 24 | 18 54 | 1 29 | 8 46 | 0 43 | 24 40 | 1 2 | 20 10 | 1 45 | 24 48 | 0 58 | 0 24 | 0 41 | 13 24 | 1 39 | 24 50 | 17 35 | 11 39 | 11 56 | 13 18 | | n.a. | M20 |
| T 21 | 16 25 | 17 44 | 2 22 | 18 11 | 1 23 | 8 16 | 0 40 | 24 37 | 1 3 | 20 12 | 1 45 | 24 48 | 0 58 | 0 25 | 0 42 | 13 24 | 1 39 | 24 51 | 17 35 | 11 38 | 11 55 | 13 20 | | n.a. | T 21 |
| W22 | 16 8 | 19 8 | 3 15 | 17 27 | 1 16 | 7 45 | 0 38 | 24 34 | 1 3 | 20 14 | 1 45 | 24 48 | 0 58 | 0 25 | 0 42 | 13 24 | 1 39 | 24 51 | 17 35 | 11 38 | 11 54 | 13 21 | | n.a. | W22 |
| T 23 | 15 49 | 19 40 | 4 0 | 16 41 | 1 8 | 7 14 | 0 36 | 24 31 | 1 4 | 20 16 | 1 45 | 24 48 | 0 58 | 0 26 | 0 42 | 13 24 | 1 39 | 24 52 | 17 35 | 11 36 | 11 52 | 13 23 | | n.a. | T 23 |
| F 24 | 15 31 | 19 16 | 4 35 | 15 53 | 1 0 | 6 43 | 0 33 | 24 27 | 1 5 | 20 18 | 1 45 | 24 49 | 0 58 | 0 27 | 0 42 | 13 24 | 1 39 | 24 53 | 17 35 | 11 33 | 11 51 | 13 24 | | n.a. | F 24 |
| S 25 | 15 12 | 17 52 | 4 56 | 15 4 | 0 51 | 6 12 | 0 30 | 24 24 | 1 5 | 20 20 | 1 45 | 24 49 | 0 58 | 0 27 | 0 42 | 13 24 | 1 40 | 24 54 | 17 36 | 11 30 | 11 50 | 13 25 | | n.a. | S 25 |
| S 26 | 14 53 | 15 29 | 5 3 | 14 13 | 0 41 | 5 41 | 0 28 | 24 20 | 1 6 | 20 22 | 1 45 | 24 49 | 0 58 | 0 28 | 0 42 | 13 24 | 1 40 | 24 55 | 17 36 | 11 26 | 11 49 | 13 27 | | n.a. | S 26 |
| M27 | 14 34 | 12 12 | 4 52 | 13 20 | 0 32 | 5 10 | 0 25 | 24 15 | 1 6 | 20 24 | 1 45 | 24 49 | 0 58 | 0 29 | 0 42 | 13 24 | 1 40 | 24 55 | 17 36 | 11 22 | 11 48 | 13 28 | | n.a. | M27 |
| T 28 | 14 s15 | 8n11 | 4 s24 | 12 s26 | 0 s21 | 4 s38 | 0 s23 | 24 s11 | 1 s 7 | 20n26 | 1n45 | 24n49 | 0n58 | 0n30 | 0n42 | 13 s24 | 1n40 | 24n56 | 17n36 | 11 s18 | 11 s47 | 13n30 | | n.a. | T 28 |

Julian Day Number = 1001911.5, Delta T = 12h50m11s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°14'00, Lahiri = -31°06'59 Julian Calendar 1 Feb. 1970 BCE == Greg. Calendar 15 Jan. 1970 BCE


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## MARCH 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 26 28 | 23♒35'52 | 12♍26 | 0♓57 | 20♓35 | 15♉38 | 7°R26 | 4°R 9 | 0°R19 | 9°R34 | 7°R54 | 28°R46 | 0♏11 | 6♉53 | n.a. | W 1 |
| T 2 | 9 30 24 | 24°34'20 | 26°45 | 3° 1 | 21°48 | 16°24 | 7♌19 | 4♋ 7 | 0♎17 | 9♏34 | 7♍53 | 28♎40 | 0° 8 | 7° 0 | n.a. | T 2 |
| F 3 | 9 34 21 | 25°32'46 | 11♎ 6 | 5° 5 | 23° 1 | 17°11 | 7°12 | 4° 5 | 0°15 | 9°34 | 7°51 | 28°37 | 0° 4 | 7° 7 | n.a. | F 3 |
| S 4 | 9 38 17 | 26°31'10 | 25°27 | 7° 7 | 24°14 | 17°57 | 7° 5 | 4° 3 | 0°13 | 9°34 | 7°49 | 28°D35 | 0° 1 | 7°13 | n.a. | S 4 |
| S 5 | 9 42 14 | 27°29'32 | 9♏43 | 9° 7 | 25°26 | 18°43 | 6°58 | 4° 1 | 0°12 | 9°34 | 7°48 | 28°36 | 29♎58 | 7°20 | n.a. | S 5 |
| M 6 | 9 46 10 | 28°27'52 | 23°53 | 11° 5 | 26°39 | 19°29 | 6°52 | 3°59 | 0°10 | 9°34 | 7°46 | 28°R36 | 29°55 | 7°27 | n.a. | M 6 |
| T 7 | 9 50 7 | 29°26'11 | 7♐56 | 13° 1 | 27°51 | 20°15 | 6°45 | 3°58 | 0° 8 | 9°33 | 7°44 | 28°36 | 29°52 | 7°33 | n.a. | T 7 |
| W 8 | 9 54 4 | 0♓24'28 | 21°50 | 14°55 | 29° 4 | 21° 1 | 6°38 | 3°56 | 0° 6 | 9°33 | 7°43 | 28°34 | 29°49 | 7°40 | n.a. | W 8 |
| T 9 | 9 58 0 | 1°22'44 | 5♉36 | 16°45 | 0♈16 | 21°47 | 6°32 | 3°55 | 0° 3 | 9°33 | 7°41 | 28°30 | 29°45 | 7°47 | n.a. | T 9 |
| F 10 | 10 1 57 | 2°20'58 | 19°11 | 18°32 | 1°29 | 22°33 | 6°25 | 3°53 | 0° 1 | 9°32 | 7°39 | 28°23 | 29°42 | 7°53 | n.a. | F 10 |
| S 11 | 10 5 53 | 3°19'10 | 2♒35 | 20°16 | 2°41 | 23°19 | 6°19 | 3°52 | 29♍59 | 9°32 | 7°38 | 28°15 | 29°39 | 8° 0 | n.a. | S 11 |
| S 12 | 10 9 50 | 4°17'20 | 15°47 | 21°56 | 3°53 | 24° 5 | 6°13 | 3°51 | 29°57 | 9°32 | 7°36 | 28° 5 | 29°36 | 8° 6 | n.a. | S 12 |
| M13 | 10 13 46 | 5°15'28 | 28°45 | 23°32 | 5° 5 | 24°51 | 6° 7 | 3°50 | 29°55 | 9°31 | 7°34 | 27°56 | 29°33 | 8°13 | n.a. | M13 |
| T 14 | 10 17 43 | 6°13'35 | 11♓28 | 25° 5 | 6°18 | 25°37 | 6° 1 | 3°48 | 29°53 | 9°31 | 7°33 | 27°48 | 29°30 | 8°20 | n.a. | T 14 |
| W15 | 10 21 39 | 7°11'39 | 23°57 | 26°33 | 7°30 | 26°23 | 5°55 | 3°48 | 29°50 | 9°30 | 7°31 | 27°41 | 29°26 | 8°26 | n.a. | W15 |
| T 16 | 10 25 36 | 8° 9'42 | 6♈12 | 27°57 | 8°42 | 27° 9 | 5°50 | 3°47 | 29°48 | 9°30 | 7°29 | 27°36 | 29°23 | 8°33 | n.a. | T 16 |
| F 17 | 10 29 32 | 9° 7'43 | 18°15 | 29°16 | 9°54 | 27°54 | 5°44 | 3°46 | 29°46 | 9°29 | 7°28 | 27°34 | 29°20 | 8°40 | n.a. | F 17 |
| S 18 | 10 33 29 | 10° 5'42 | 0♉ 9 | 0♈31 | 11° 6 | 28°40 | 5°39 | 3°45 | 29°44 | 9°29 | 7°26 | 27°D34 | 29°17 | 8°46 | n.a. | S 18 |
| S 19 | 10 37 26 | 11° 3'39 | 11°57 | 1°42 | 12°18 | 29°26 | 5°34 | 3°45 | 29°41 | 9°28 | 7°24 | 27°34 | 29°14 | 8°53 | n.a. | S 19 |
| M20 | 10 41 22 | 12° 1'34 | 23°45 | 2°48 | 13°29 | 0♒11 | 5°29 | 3°45 | 29°39 | 9°27 | 7°23 | 27°36 | 29°10 | 9° 0 | n.a. | M20 |
| T 21 | 10 45 19 | 12°59'27 | 5♊37 | 3°49 | 14°41 | 0°57 | 5°24 | 3°44 | 29°37 | 9°27 | 7°21 | 27°37 | 29° 7 | 9° 6 | n.a. | T 21 |
| W22 | 10 49 15 | 13°57'18 | 17°39 | 4°46 | 15°53 | 1°43 | 5°19 | 3°44 | 29°34 | 9°26 | 7°19 | 27°R37 | 29° 4 | 9°13 | n.a. | W22 |
| T 23 | 10 53 12 | 14°55'07 | 29°54 | 5°38 | 17° 5 | 2°28 | 5°14 | 3°D44 | 29°32 | 9°25 | 7°18 | 27°36 | 29° 1 | 9°20 | n.a. | T 23 |
| F 24 | 10 57 8 | 15°52'54 | 12♋29 | 6°24 | 18°16 | 3°14 | 5°10 | 3°44 | 29°30 | 9°24 | 7°16 | 27°33 | 28°58 | 9°26 | n.a. | F 24 |
| S 25 | 11 1 5 | 16°50'40 | 25°26 | 7° 6 | 19°28 | 3°59 | 5° 6 | 3°44 | 29°27 | 9°24 | 7°14 | 27°28 | 28°55 | 9°33 | n.a. | S 25 |
| S 26 | 11 5 1 | 17°48'23 | 8♌49 | 7°43 | 20°39 | 4°44 | 5° 1 | 3°44 | 29°25 | 9°23 | 7°13 | 27°23 | 28°51 | 9°40 | n.a. | S 26 |
| M27 | 11 8 58 | 18°46'05 | 22°36 | 8°15 | 21°50 | 5°30 | 4°58 | 3°45 | 29°22 | 9°22 | 7°11 | 27°17 | 28°48 | 9°46 | n.a. | M27 |
| T 28 | 11 12 54 | 19°43'45 | 6♍46 | 8°42 | 23° 2 | 6°15 | 4°54 | 3°45 | 29°20 | 9°21 | 7° 9 | 27°11 | 28°45 | 9°53 | n.a. | T 28 |
| W29 | 11 16 51 | 20°41'23 | 21°15 | 9° 4 | 24°13 | 7° 0 | 4°50 | 3°46 | 29°17 | 9°20 | 7° 8 | 27° 6 | 28°42 | 9°59 | n.a. | W29 |
| T 30 | 11 20 48 | 21°39'00 | 5♎56 | 9°21 | 25°24 | 7°45 | 4°47 | 3°46 | 29°15 | 9°19 | 7° 6 | 27° 3 | 28°39 | 10° 6 | n.a. | T 30 |
| F 31 | 11 24 44 | 22♓36'35 | 20♎42 | 9♈33 | 26♈35 | 8♒31 | 4♌43 | 3♋47 | 29♍12 | 9♏18 | 7♍ 4 | 27°D 2 | 28♎36 | 10♉13 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| W 1 | 13s55 | 3n39 | 3s40 | 11s31 | 0s11 | 4s 6 | 0s20 | 24s 6 | 1s 7 | 20n28 | 1n45 | 24n49 | 0n58 | 0n30 | 0n42 | 13s24 | 1n40 | 24n57 | 17n36 | 11s15 | 11s46 | 13n31 | | | n.a. |
| T 2 | 13 36 | 1s 8 | 2 41 | 10 36 | 0n 0 | 3 35 | 0 17 | 24 1 | 1 8 | 20 30 | 1 45 | 24 49 | 0 58 | 0 31 | 0 42 | 13 24 | 1 40 | 24 58 | 17 36 | 11 13 | 11 45 | 13 32 | | | n.a. |
| F 3 | 13 16 | 5 53 | 1 32 | 9 40 | 0 11 | 3 3 | 0 15 | 23 55 | 1 8 | 20 31 | 1 45 | 24 49 | 0 58 | 0 32 | 0 42 | 13 24 | 1 40 | 24 59 | 17 37 | 11 12 | 11 43 | 13 34 | | | n.a. |
| S 4 | 12 55 | 10 18 | 0 17 | 8 44 | 0 23 | 2 31 | 0 12 | 23 50 | 1 9 | 20 33 | 1 45 | 24 49 | 0 58 | 0 33 | 0 42 | 13 24 | 1 40 | 24 59 | 17 37 | 11 11 | 11 42 | 13 35 | | | n.a. |
| S 5 | 12 35 | 14 5 | 0n59 | 7 47 | 0 34 | 1 59 | 0 9 | 23 44 | 1 9 | 20 35 | 1 45 | 24 49 | 0 58 | 0 33 | 0 42 | 13 23 | 1 40 | 25 0 | 17 37 | 11 11 | 11 41 | 13 37 | | | n.a. |
| M 6 | 12 15 | 17 0 | 2 11 | 6 51 | 0 45 | 1 27 | 0 6 | 23 37 | 1 10 | 20 37 | 1 44 | 24 49 | 0 58 | 0 34 | 0 42 | 13 23 | 1 40 | 25 1 | 17 37 | 11 12 | 11 40 | 13 38 | | | n.a. |
| T 7 | 11 54 | 18 52 | 3 14 | 5 56 | 0 57 | 0 55 | 0 3 | 23 31 | 1 10 | 20 38 | 1 44 | 24 49 | 0 58 | 0 35 | 0 42 | 13 23 | 1 40 | 25 1 | 17 37 | 11 11 | 11 39 | 13 39 | | | n.a. |
| W 8 | 11 33 | 19 35 | 4 6 | 5 1 | 1 8 | 0 23 | 0 0 | 23 24 | 1 11 | 20 40 | 1 44 | 24 50 | 0 58 | 0 36 | 0 42 | 13 23 | 1 40 | 25 2 | 17 37 | 11 11 | 11 38 | 13 41 | | | n.a. |
| T 9 | 11 12 | 19 6 | 4 42 | 4 7 | 1 19 | 0n 9 | 0n 3 | 23 17 | 1 11 | 20 42 | 1 44 | 24 50 | 0 58 | 0 37 | 0 42 | 13 23 | 1 40 | 25 3 | 17 37 | 11 9 | 11 37 | 13 42 | | | n.a. |
| F 10 | 10 51 | 17 32 | 5 2 | 3 15 | 1 30 | 0 41 | 0 5 | 23 10 | 1 12 | 20 43 | 1 44 | 24 50 | 0 58 | 0 38 | 0 42 | 13 23 | 1 40 | 25 4 | 17 37 | 11 7 | 11 35 | 13 43 | | | n.a. |
| S 11 | 10 29 | 15 2 | 5 5 | 2 24 | 1 41 | 1 13 | 0 8 | 23 3 | 1 12 | 20 45 | 1 44 | 24 50 | 0 58 | 0 39 | 0 42 | 13 23 | 1 40 | 25 4 | 17 37 | 11 4 | 11 34 | 13 45 | | | n.a. |
| S 12 | 10 8 | 11 47 | 4 51 | 1 34 | 1 51 | 1 45 | 0 11 | 22 55 | 1 13 | 20 46 | 1 44 | 24 50 | 0 58 | 0 39 | 0 42 | 13 22 | 1 40 | 25 5 | 17 37 | 11 0 | 11 33 | 13 46 | | | n.a. |
| M13 | 9 46 | 8 2 | 4 23 | 0 47 | 2 0 | 2 17 | 0 14 | 22 47 | 1 13 | 20 47 | 1 44 | 24 50 | 0 58 | 0 40 | 0 42 | 13 22 | 1 40 | 25 6 | 17 37 | 10 57 | 11 32 | 13 48 | | | n.a. |
| T 14 | 9 24 | 3 59 | 3 42 | 0 1 | 2 9 | 2 49 | 0 17 | 22 39 | 1 14 | 20 49 | 1 44 | 24 50 | 0 58 | 0 41 | 0 42 | 13 22 | 1 40 | 25 6 | 17 37 | 10 54 | 11 31 | 13 49 | | | n.a. |
| W15 | 9 2 | 0n10 | 2 51 | 0n42 | 2 18 | 3 21 | 0 20 | 22 31 | 1 14 | 20 50 | 1 44 | 24 50 | 0 58 | 0 42 | 0 42 | 13 22 | 1 40 | 25 7 | 17 37 | 10 51 | 11 30 | 13 50 | | | n.a. |
| T 16 | 8 40 | 4 14 | 1 53 | 1 23 | 2 25 | 3 52 | 0 23 | 22 22 | 1 15 | 20 51 | 1 43 | 24 50 | 0 58 | 0 43 | 0 42 | 13 22 | 1 40 | 25 8 | 17 37 | 10 50 | 11 29 | 13 52 | | | n.a. |
| F 17 | 8 18 | 8 4 | 0 50 | 2 2 | 2 33 | 4 24 | 0 26 | 22 13 | 1 15 | 20 53 | 1 43 | 24 50 | 0 58 | 0 44 | 0 42 | 13 21 | 1 40 | 25 8 | 17 37 | 10 49 | 11 27 | 13 53 | | | n.a. |
| S 18 | 7 56 | 11 32 | 0s14 | 2 38 | 2 39 | 4 55 | 0 29 | 22 4 | 1 16 | 20 54 | 1 43 | 24 50 | 0 58 | 0 45 | 0 42 | 13 21 | 1 40 | 25 9 | 17 37 | 10 49 | 11 26 | 13 54 | | | n.a. |
| S 19 | 7 34 | 14 30 | 1 17 | 3 12 | 2 44 | 5 27 | 0 32 | 21 55 | 1 16 | 20 55 | 1 43 | 24 50 | 0 58 | 0 46 | 0 42 | 13 21 | 1 41 | 25 10 | 17 37 | 10 49 | 11 25 | 13 56 | | | n.a. |
| M20 | 7 11 | 16 52 | 2 17 | 3 43 | 2 49 | 5 58 | 0 35 | 21 45 | 1 16 | 20 56 | 1 43 | 24 50 | 0 58 | 0 47 | 0 42 | 13 21 | 1 41 | 25 10 | 17 37 | 10 50 | 11 24 | 13 57 | | | n.a. |
| T 21 | 6 49 | 18 32 | 3 12 | 4 11 | 2 53 | 6 29 | 0 38 | 21 36 | 1 17 | 20 57 | 1 43 | 24 50 | 0 58 | 0 48 | 0 42 | 13 20 | 1 41 | 25 11 | 17 37 | 10 50 | 11 23 | 13 58 | | | n.a. |
| W22 | 6 26 | 19 23 | 3 58 | 4 37 | 2 56 | 7 0 | 0 41 | 21 26 | 1 17 | 20 58 | 1 42 | 24 50 | 0 58 | 0 49 | 0 42 | 13 20 | 1 41 | 25 11 | 17 37 | 10 50 | 11 22 | 14 0 | | | n.a. |
| T 23 | 6 3 | 19 20 | 4 35 | 4 59 | 2 58 | 7 31 | 0 44 | 21 16 | 1 18 | 20 59 | 1 42 | 24 50 | 0 58 | 0 50 | 0 42 | 13 20 | 1 41 | 25 12 | 17 37 | 10 50 | 11 21 | 14 1 | | | n.a. |
| F 24 | 5 41 | 18 21 | 5 0 | 5 19 | 2 59 | 8 2 | 0 48 | 21 5 | 1 18 | 21 0 | 1 42 | 24 50 | 0 58 | 0 51 | 0 42 | 13 20 | 1 41 | 25 13 | 17 37 | 10 48 | 11 19 | 14 2 | | | n.a. |
| S 25 | 5 18 | 16 24 | 5 10 | 5 36 | 2 59 | 8 32 | 0 51 | 20 55 | 1 18 | 21 1 | 1 42 | 24 50 | 0 58 | 0 52 | 0 42 | 13 19 | 1 41 | 25 13 | 17 37 | 10 47 | 11 18 | 14 4 | | | n.a. |
| S 26 | 4 55 | 13 31 | 5 4 | 5 50 | 2 58 | 9 3 | 0 54 | 20 44 | 1 19 | 21 2 | 1 42 | 24 50 | 0 58 | 0 53 | 0 42 | 13 19 | 1 41 | 25 14 | 17 36 | 10 45 | 11 17 | 14 5 | | | n.a. |
| M27 | 4 32 | 9 50 | 4 41 | 6 1 | 2 56 | 9 33 | 0 56 | 20 33 | 1 19 | 21 3 | 1 42 | 24 50 | 0 58 | 0 54 | 0 42 | 13 19 | 1 41 | 25 14 | 17 36 | 10 43 | 11 16 | 14 6 | | | n.a. |
| T 28 | 4 9 | 5 30 | 4 0 | 6 9 | 2 53 | 10 3 | 0 59 | 20 22 | 1 19 | 21 4 | 1 41 | 24 50 | 0 58 | 0 55 | 0 42 | 13 18 | 1 41 | 25 15 | 17 36 | 10 40 | 11 15 | 14 8 | | | n.a. |
| W29 | 3 46 | 0 45 | 3 3 | 6 14 | 2 48 | 10 32 | 1 2 | 20 11 | 1 20 | 21 4 | 1 41 | 24 50 | 0 58 | 0 56 | 0 42 | 13 18 | 1 41 | 25 15 | 17 36 | 10 39 | 11 14 | 14 9 | | | n.a. |
| T 30 | 3 23 | 4s 7 | 1 53 | 6 16 | 2 43 | 11 2 | 1 5 | 19 59 | 1 20 | 21 5 | 1 41 | 24 50 | 0 58 | 0 57 | 0 42 | 13 18 | 1 41 | 25 16 | 17 36 | 10 38 | 11 12 | 14 10 | | | n.a. |
| F 31 | 2s59 | 8s46 | 0s35 | 6n14 | 2n36 | 11n31 | 1n 8 | 19s47 | 1s21 | 21n 6 | 1n41 | 24n50 | 0n58 | 0n58 | 0n42 | 13s17 | 1n41 | 25n16 | 17n36 | 10s37 | 11s11 | 14n11 | | | n.a. |

Julian Day Number = 1001939.5, Delta T = 12h50m09s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'56, Lahiri = -31°06'55 Julian Calendar 1 March 1970 BCE == Greg. Calendar 12 Feb. 1970 BCE

The year -1969 astronomical counting style corresponds to year 1970 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## APRIL 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 28 41 | 23♓34'09 | 5♏27 | 9♈39 | 27♈46 | 9♒16 | 4°R40 | 3♋48 | 29°R10 | 9°R17 | 7°R 3 | 27♎ 2 | 28♎32 | 10♉19 | n.a. | S 1 |
| S 2 | 11 32 37 | 24°31'42 | 20° 4 | 9°R41 | 28°57 | 10° 1 | 4♌37 | 3°49 | 29♍ 7 | 9♏16 | 7♍ 1 | 27° 3 | 28°29 | 10°26 | n.a. | S 2 |
| M 3 | 11 36 34 | 25°29'14 | 4♐29 | 9°38 | 0♉ 8 | 10°46 | 4°34 | 3°50 | 29° 5 | 9°15 | 7° 0 | 27° 4 | 28°26 | 10°33 | n.a. | M 3 |
| T 4 | 11 40 30 | 26°26'45 | 18°38 | 9°31 | 1°18 | 11°31 | 4°32 | 3°51 | 29° 2 | 9°14 | 6°58 | 27° 5 | 28°23 | 10°39 | n.a. | T 4 |
| W 5 | 11 44 27 | 27°24'15 | 2♑31 | 9°19 | 2°29 | 12°16 | 4°29 | 3°52 | 29° 0 | 9°13 | 6°56 | 27°R 5 | 28°20 | 10°46 | n.a. | W 5 |
| T 6 | 11 48 23 | 28°21'44 | 16° 8 | 9° 2 | 3°40 | 13° 1 | 4°27 | 3°54 | 28°57 | 9°12 | 6°55 | 27° 4 | 28°16 | 10°53 | n.a. | T 6 |
| F 7 | 11 52 20 | 29°19'12 | 29°28 | 8°43 | 4°50 | 13°45 | 4°25 | 3°55 | 28°55 | 9°11 | 6°53 | 27° 2 | 28°13 | 10°59 | n.a. | F 7 |
| S 8 | 11 56 17 | 0♈16'38 | 12♒33 | 8°19 | 6° 1 | 14°30 | 4°23 | 3°57 | 28°52 | 9°10 | 6°52 | 26°58 | 28°10 | 11° 6 | n.a. | S 8 |
| S 9 | 12 0 13 | 1°14'04 | 25°24 | 7°53 | 7°11 | 15°15 | 4°22 | 3°58 | 28°50 | 9° 8 | 6°50 | 26°54 | 28° 7 | 11°13 | n.a. | S 9 |
| M10 | 12 4 10 | 2°11'29 | 8♓ 1 | 7°24 | 8°22 | 16° 0 | 4°20 | 4° 0 | 28°47 | 9° 7 | 6°49 | 26°50 | 28° 4 | 11°19 | n.a. | M10 |
| T 11 | 12 8 6 | 3° 8'52 | 20°26 | 6°52 | 9°32 | 16°44 | 4°19 | 4° 2 | 28°45 | 9° 6 | 6°47 | 26°47 | 28° 1 | 11°26 | n.a. | T 11 |
| W12 | 12 12 3 | 4° 6'15 | 2♈39 | 6°20 | 10°42 | 17°29 | 4°17 | 4° 4 | 28°42 | 9° 5 | 6°46 | 26°44 | 27°57 | 11°33 | n.a. | W12 |
| T 13 | 12 15 59 | 5° 3'36 | 14°43 | 5°46 | 11°52 | 18°13 | 4°16 | 4° 6 | 28°40 | 9° 4 | 6°44 | 26°43 | 27°54 | 11°39 | n.a. | T 13 |
| F 14 | 12 19 56 | 6° 0'57 | 26°39 | 5°12 | 13° 2 | 18°58 | 4°16 | 4° 8 | 28°37 | 9° 2 | 6°43 | 26°D42 | 27°51 | 11°46 | n.a. | F 14 |
| S 15 | 12 23 52 | 6°58'16 | 8♉29 | 4°38 | 14°12 | 19°42 | 4°15 | 4°11 | 28°35 | 9° 1 | 6°42 | 26°43 | 27°48 | 11°52 | n.a. | S 15 |
| S 16 | 12 27 49 | 7°55'34 | 20°16 | 4° 5 | 15°22 | 20°26 | 4°15 | 4°13 | 28°33 | 9° 0 | 6°40 | 26°44 | 27°45 | 11°59 | n.a. | S 16 |
| M17 | 12 31 46 | 8°52'51 | 2♊ 4 | 3°34 | 16°31 | 21°11 | 4°14 | 4°15 | 28°30 | 8°58 | 6°39 | 26°45 | 27°41 | 12° 6 | n.a. | M17 |
| T 18 | 12 35 42 | 9°50'07 | 13°57 | 3° 4 | 17°41 | 21°55 | 4°D14 | 4°18 | 28°28 | 8°57 | 6°38 | 26°47 | 27°38 | 12°12 | n.a. | T 18 |
| W19 | 12 39 39 | 10°47'22 | 25°58 | 2°36 | 18°51 | 22°39 | 4°14 | 4°20 | 28°25 | 8°56 | 6°36 | 26°48 | 27°35 | 12°19 | n.a. | W19 |
| T 20 | 12 43 35 | 11°44'35 | 8♋13 | 2°12 | 20° 0 | 23°23 | 4°15 | 4°23 | 28°23 | 8°54 | 6°35 | 26°R48 | 27°32 | 12°26 | n.a. | T 20 |
| F 21 | 12 47 32 | 12°41'48 | 20°45 | 1°50 | 21° 9 | 24° 7 | 4°15 | 4°26 | 28°20 | 8°53 | 6°34 | 26°48 | 27°29 | 12°32 | n.a. | F 21 |
| S 22 | 12 51 28 | 13°38'59 | 3♌40 | 1°32 | 22°19 | 24°51 | 4°16 | 4°29 | 28°18 | 8°51 | 6°32 | 26°47 | 27°26 | 12°39 | n.a. | S 22 |
| S 23 | 12 55 25 | 14°36'09 | 16°59 | 1°18 | 23°28 | 25°35 | 4°17 | 4°32 | 28°16 | 8°50 | 6°31 | 26°46 | 27°22 | 12°46 | n.a. | S 23 |
| M24 | 12 59 21 | 15°33'19 | 0♍45 | 1° 8 | 24°37 | 26°19 | 4°18 | 4°35 | 28°13 | 8°49 | 6°30 | 26°45 | 27°19 | 12°52 | n.a. | M24 |
| T 25 | 13 3 18 | 16°30'27 | 14°58 | 1° 2 | 25°46 | 27° 2 | 4°19 | 4°38 | 28°11 | 8°47 | 6°29 | 26°44 | 27°16 | 12°59 | n.a. | T 25 |
| W26 | 13 7 15 | 17°27'34 | 29°33 | 1°D 1 | 26°54 | 27°46 | 4°20 | 4°42 | 28° 9 | 8°46 | 6°28 | 26°43 | 27°13 | 13° 6 | n.a. | W26 |
| T 27 | 13 11 11 | 18°24'41 | 14♎27 | 1° 4 | 28° 3 | 28°30 | 4°22 | 4°45 | 28° 6 | 8°44 | 6°26 | 26°42 | 27°10 | 13°12 | n.a. | T 27 |
| F 28 | 13 15 8 | 19°21'47 | 29°30 | 1°12 | 29°12 | 29°13 | 4°23 | 4°48 | 28° 4 | 8°43 | 6°25 | 26°D42 | 27° 7 | 13°19 | n.a. | F 28 |
| S 29 | 13 19 4 | 20°18'53 | 14♏35 | 1°24 | 0♊20 | 29°57 | 4°25 | 4°52 | 28° 2 | 8°41 | 6°24 | 26°42 | 27° 3 | 13°26 | n.a. | S 29 |
| S 30 | 13 23 1 | 21♈15'58 | 29♏33 | 1♈41 | 1♊28 | 0♓40 | 4♌27 | 4♋55 | 28♍ 0 | 8♏40 | 6♍23 | 26♎43 | 27♎ 0 | 13♉32 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s36 | 12s53 | 0n46 | 6n10 | 2n29 | 11n59 | 1n11 | 19s36 | 1s21 | 21n 6 | 1n41 | 24n50 | 0n58 | 0n59 | 0n42 | 13s17 | 1n41 | 25n17 | 17n36 | 10s37 | 11s10 | 14n13 | | n.a. |
| S 2 | 2 13 | 16 9 | 2 3 | 6 3 | 2 20 | 12 28 | 1 14 | 19 24 | 1 21 | 21 7 | 1 40 | 24 50 | 0 58 | 1 0 | 0 42 | 13 17 | 1 41 | 25 17 | 17 35 | 10 37 | 11 9 | 14 14 | | n.a. |
| M 3 | 1 50 | 18 20 | 3 11 | 5 52 | 2 10 | 12 56 | 1 17 | 19 11 | 1 22 | 21 7 | 1 40 | 24 50 | 0 58 | 1 1 | 0 42 | 13 16 | 1 41 | 25 18 | 17 35 | 10 38 | 11 8 | 14 15 | | n.a. |
| T 4 | 1 26 | 19 20 | 4 6 | 5 39 | 1 59 | 13 24 | 1 20 | 18 59 | 1 22 | 21 8 | 1 40 | 24 50 | 0 58 | 1 2 | 0 42 | 13 16 | 1 41 | 25 18 | 17 35 | 10 38 | 11 7 | 14 17 | | n.a. |
| W 5 | 1 3 | 19 8 | 4 46 | 5 23 | 1 47 | 13 52 | 1 22 | 18 46 | 1 22 | 21 8 | 1 40 | 24 49 | 0 58 | 1 3 | 0 42 | 13 16 | 1 41 | 25 18 | 17 35 | 10 38 | 11 6 | 14 18 | | n.a. |
| T 6 | 0 40 | 17 49 | 5 8 | 5 5 | 1 34 | 14 19 | 1 25 | 18 34 | 1 22 | 21 8 | 1 40 | 24 49 | 0 58 | 1 4 | 0 42 | 13 15 | 1 41 | 25 19 | 17 34 | 10 38 | 11 4 | 14 19 | | n.a. |
| F 7 | 0 17 | 15 34 | 5 13 | 4 44 | 1 20 | 14 46 | 1 28 | 18 21 | 1 23 | 21 9 | 1 39 | 24 49 | 0 58 | 1 5 | 0 42 | 13 15 | 1 41 | 25 19 | 17 34 | 10 37 | 11 3 | 14 20 | | n.a. |
| S 8 | 0n 7 | 12 33 | 5 2 | 4 21 | 1 5 | 15 13 | 1 30 | 18 8 | 1 23 | 21 9 | 1 39 | 24 49 | 0 58 | 1 6 | 0 42 | 13 14 | 1 41 | 25 20 | 17 34 | 10 36 | 11 2 | 14 22 | | n.a. |
| S 9 | 0 30 | 8 59 | 4 36 | 3 57 | 0 50 | 15 39 | 1 33 | 17 55 | 1 23 | 21 9 | 1 39 | 24 49 | 0 58 | 1 7 | 0 42 | 13 14 | 1 41 | 25 20 | 17 34 | 10 34 | 11 1 | 14 23 | | n.a. |
| M10 | 0 53 | 5 5 | 3 57 | 3 30 | 0 34 | 16 5 | 1 36 | 17 41 | 1 24 | 21 9 | 1 39 | 24 49 | 0 58 | 1 8 | 0 42 | 13 14 | 1 41 | 25 20 | 17 33 | 10 33 | 11 0 | 14 24 | | n.a. |
| T 11 | 1 17 | 1 1 | 3 7 | 3 3 | 0 17 | 16 30 | 1 38 | 17 28 | 1 24 | 21 9 | 1 38 | 24 49 | 0 58 | 1 9 | 0 42 | 13 13 | 1 41 | 25 21 | 17 33 | 10 32 | 10 59 | 14 26 | | n.a. |
| W12 | 1 40 | 3n 2 | 2 9 | 2 34 | 0 0 | 16 55 | 1 41 | 17 14 | 1 24 | 21 9 | 1 38 | 24 49 | 0 58 | 1 10 | 0 42 | 13 13 | 1 41 | 25 21 | 17 33 | 10 31 | 10 57 | 14 27 | | n.a. |
| T 13 | 2 3 | 6 55 | 1 6 | 2 5 | 0s17 | 17 20 | 1 43 | 17 0 | 1 24 | 21 9 | 1 38 | 24 49 | 0 58 | 1 11 | 0 42 | 13 12 | 1 41 | 25 21 | 17 33 | 10 30 | 10 56 | 14 28 | | n.a. |
| F 14 | 2 26 | 10 29 | 0 0 | 1 36 | 0 34 | 17 44 | 1 46 | 16 46 | 1 25 | 21 9 | 1 38 | 24 49 | 0 58 | 1 12 | 0 42 | 13 12 | 1 41 | 25 21 | 17 32 | 10 30 | 10 55 | 14 29 | | n.a. |
| S 15 | 2 49 | 13 36 | 1s 5 | 1 7 | 0 50 | 18 8 | 1 48 | 16 32 | 1 25 | 21 9 | 1 37 | 24 49 | 0 58 | 1 13 | 0 42 | 13 11 | 1 41 | 25 22 | 17 32 | 10 30 | 10 54 | 14 31 | | n.a. |
| S 16 | 3 12 | 16 8 | 2 7 | 0 38 | 1 7 | 18 31 | 1 50 | 16 18 | 1 25 | 21 9 | 1 37 | 24 49 | 0 58 | 1 14 | 0 42 | 13 11 | 1 41 | 25 22 | 17 32 | 10 30 | 10 53 | 14 32 | | n.a. |
| M17 | 3 35 | 18 0 | 3 4 | 0 11 | 1 23 | 18 54 | 1 52 | 16 4 | 1 25 | 21 9 | 1 37 | 24 49 | 0 58 | 1 15 | 0 42 | 13 11 | 1 41 | 25 22 | 17 31 | 10 31 | 10 52 | 14 33 | | n.a. |
| T 18 | 3 58 | 19 5 | 3 53 | 0s15 | 1 38 | 19 16 | 1 55 | 15 50 | 1 25 | 21 9 | 1 37 | 24 48 | 0 58 | 1 16 | 0 42 | 13 10 | 1 41 | 25 22 | 17 31 | 10 31 | 10 50 | 14 34 | | n.a. |
| W19 | 4 21 | 19 19 | 4 32 | 0 40 | 1 53 | 19 38 | 1 57 | 15 35 | 1 26 | 21 9 | 1 36 | 24 48 | 0 58 | 1 17 | 0 42 | 13 10 | 1 41 | 25 23 | 17 31 | 10 32 | 10 49 | 14 36 | | n.a. |
| T 20 | 4 44 | 18 39 | 5 1 | 1 3 | 2 7 | 20 0 | 1 59 | 15 20 | 1 26 | 21 8 | 1 36 | 24 48 | 0 58 | 1 18 | 0 42 | 13 9 | 1 41 | 25 23 | 17 30 | 10 32 | 10 48 | 14 37 | | n.a. |
| F 21 | 5 7 | 17 5 | 5 15 | 1 23 | 2 20 | 20 21 | 2 1 | 15 6 | 1 26 | 21 8 | 1 36 | 24 48 | 0 58 | 1 19 | 0 42 | 13 9 | 1 41 | 25 23 | 17 30 | 10 32 | 10 47 | 14 38 | | n.a. |
| S 22 | 5 29 | 14 37 | 5 15 | 1 42 | 2 32 | 20 41 | 2 3 | 14 51 | 1 26 | 21 8 | 1 36 | 24 48 | 0 58 | 1 19 | 0 42 | 13 8 | 1 42 | 25 23 | 17 30 | 10 32 | 10 46 | 14 39 | | n.a. |
| S 23 | 5 52 | 11 20 | 4 58 | 1 57 | 2 43 | 21 1 | 2 4 | 14 36 | 1 26 | 21 7 | 1 36 | 24 48 | 0 58 | 1 20 | 0 42 | 13 8 | 1 42 | 25 23 | 17 29 | 10 31 | 10 45 | 14 41 | | n.a. |
| M24 | 6 14 | 7 20 | 4 23 | 2 11 | 2 53 | 21 20 | 2 6 | 14 21 | 1 27 | 21 7 | 1 35 | 24 48 | 0 58 | 1 21 | 0 42 | 13 7 | 1 42 | 25 23 | 17 29 | 10 31 | 10 43 | 14 42 | | n.a. |
| T 25 | 6 37 | 2 48 | 3 32 | 2 21 | 3 2 | 21 39 | 2 8 | 14 6 | 1 27 | 21 6 | 1 35 | 24 48 | 0 58 | 1 22 | 0 42 | 13 7 | 1 42 | 25 24 | 17 28 | 10 30 | 10 42 | 14 43 | | n.a. |
| W26 | 6 59 | 2s 2 | 2 25 | 2 29 | 3 10 | 21 57 | 2 9 | 13 51 | 1 27 | 21 6 | 1 35 | 24 48 | 0 58 | 1 23 | 0 42 | 13 6 | 1 42 | 25 24 | 17 28 | 10 30 | 10 41 | 14 44 | | n.a. |
| T 27 | 7 21 | 6 50 | 1 8 | 2 34 | 3 17 | 22 15 | 2 11 | 13 35 | 1 27 | 21 5 | 1 35 | 24 47 | 0 58 | 1 24 | 0 42 | 13 6 | 1 42 | 25 24 | 17 28 | 10 30 | 10 40 | 14 46 | | n.a. |
| F 28 | 7 44 | 11 17 | 0n16 | 2 36 | 3 22 | 22 32 | 2 12 | 13 20 | 1 27 | 21 4 | 1 34 | 24 47 | 0 58 | 1 25 | 0 42 | 13 5 | 1 42 | 25 24 | 17 27 | 10 30 | 10 39 | 14 47 | | n.a. |
| S 29 | 8 5 | 14 59 | 1 38 | 2 35 | 3 27 | 22 48 | 2 14 | 13 4 | 1 27 | 21 4 | 1 34 | 24 47 | 0 58 | 1 26 | 0 42 | 13 5 | 1 42 | 25 24 | 17 27 | 10 30 | 10 38 | 14 48 | | n.a. |
| S 30 | 8n27 | 17s39 | 2n53 | 2s31 | 3s30 | 23n 4 | 2n15 | 12s49 | 1s27 | 21n 3 | 1n34 | 24n47 | 0n58 | 1n27 | 0n42 | 13s 4 | 1n42 | 25n24 | 17n26 | 10s30 | 10s36 | 14n49 | | n.a. |

Julian Day Number = 1001970.5, Delta T = 12h50m07s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'52, Lahiri = -31°06'51 Julian Calendar 1 Apr. 1970 BCE == Greg. Calendar 15 March 1970 BCE


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## MAY 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 26 57 | 22♈13'03 | 14♐16 | 2♈ 2 | 2♊37 | 1♓24 | 4♌29 | 4♋59 | 27°R57 | 8°R38 | 6°R22 | 26♎43 | 26♎57 | 13♉39 | n.a. | M 1 |
| T 2 | 13 30 54 | 23°10'07 | 28°40 | 2°27 | 3°45 | 2° 7 | 4°32 | 5° 3 | 27♍55 | 8♏37 | 6♍21 | 26°43 | 26°54 | 13°46 | n.a. | T 2 |
| W 3 | 13 34 50 | 24° 7'12 | 12♑41 | 2°58 | 4°53 | 2°50 | 4°34 | 5° 7 | 27°53 | 8°35 | 6°20 | 26°44 | 26°51 | 13°52 | n.a. | W 3 |
| T 4 | 13 38 47 | 25° 4'16 | 26°18 | 3°32 | 6° 1 | 3°33 | 4°37 | 5°11 | 27°51 | 8°34 | 6°19 | 26°R44 | 26°47 | 13°59 | n.a. | T 4 |
| F 5 | 13 42 44 | 26° 1'21 | 9♒34 | 4°11 | 7° 8 | 4°17 | 4°40 | 5°15 | 27°49 | 8°32 | 6°18 | 26°44 | 26°44 | 14° 6 | n.a. | F 5 |
| S 6 | 13 46 40 | 26°58'25 | 22°28 | 4°54 | 8°16 | 5° 0 | 4°43 | 5°19 | 27°47 | 8°30 | 6°17 | 26°D44 | 26°41 | 14°12 | n.a. | S 6 |
| S 7 | 13 50 37 | 27°55'29 | 5♓ 5 | 5°41 | 9°23 | 5°43 | 4°46 | 5°23 | 27°45 | 8°29 | 6°16 | 26°44 | 26°38 | 14°19 | n.a. | S 7 |
| M 8 | 13 54 33 | 28°52'33 | 17°28 | 6°33 | 10°31 | 6°26 | 4°50 | 5°27 | 27°43 | 8°27 | 6°15 | 26°44 | 26°35 | 14°25 | n.a. | M 8 |
| T 9 | 13 58 30 | 29°49'37 | 29°38 | 7°28 | 11°38 | 7° 8 | 4°53 | 5°32 | 27°41 | 8°26 | 6°15 | 26°44 | 26°32 | 14°32 | n.a. | T 9 |
| W10 | 14 2 26 | 0♉46'41 | 11♈39 | 8°27 | 12°45 | 7°51 | 4°57 | 5°36 | 27°39 | 8°24 | 6°14 | 26°44 | 26°28 | 14°39 | n.a. | W10 |
| T 11 | 14 6 23 | 1°43'45 | 23°33 | 9°30 | 13°52 | 8°34 | 5° 1 | 5°41 | 27°37 | 8°22 | 6°13 | 26°R45 | 26°25 | 14°45 | n.a. | T 11 |
| F 12 | 14 10 20 | 2°40'49 | 5♉23 | 10°37 | 14°59 | 9°16 | 5° 5 | 5°45 | 27°35 | 8°21 | 6°12 | 26°44 | 26°22 | 14°52 | n.a. | F 12 |
| S 13 | 14 14 16 | 3°37'52 | 17°11 | 11°48 | 16° 5 | 9°59 | 5° 9 | 5°50 | 27°33 | 8°19 | 6°12 | 26°44 | 26°19 | 14°59 | n.a. | S 13 |
| S 14 | 14 18 13 | 4°34'56 | 28°58 | 13° 2 | 17°12 | 10°41 | 5°14 | 5°55 | 27°31 | 8°18 | 6°11 | 26°43 | 26°16 | 15° 5 | n.a. | S 14 |
| M15 | 14 22 9 | 5°31'59 | 10♊49 | 14°21 | 18°18 | 11°24 | 5°18 | 6° 0 | 27°29 | 8°16 | 6°10 | 26°42 | 26°12 | 15°12 | n.a. | M15 |
| T 16 | 14 26 6 | 6°29'03 | 22°45 | 15°42 | 19°24 | 12° 6 | 5°23 | 6° 4 | 27°28 | 8°14 | 6°10 | 26°41 | 26° 9 | 15°19 | n.a. | T 16 |
| W17 | 14 30 2 | 7°26'06 | 4♋49 | 17° 8 | 20°30 | 12°48 | 5°28 | 6° 9 | 27°26 | 8°13 | 6° 9 | 26°40 | 26° 6 | 15°25 | n.a. | W17 |
| T 18 | 14 33 59 | 8°23'09 | 17° 5 | 18°36 | 21°36 | 13°30 | 5°33 | 6°14 | 27°24 | 8°11 | 6° 9 | 26°38 | 26° 3 | 15°32 | n.a. | T 18 |
| F 19 | 14 37 55 | 9°20'12 | 29°37 | 20° 9 | 22°42 | 14°12 | 5°38 | 6°20 | 27°22 | 8°10 | 6° 8 | 26°38 | 26° 0 | 15°39 | n.a. | F 19 |
| S 20 | 14 41 52 | 10°17'15 | 12♌28 | 21°44 | 23°47 | 14°54 | 5°43 | 6°25 | 27°21 | 8° 8 | 6° 8 | 26°D38 | 25°57 | 15°45 | n.a. | S 20 |
| S 21 | 14 45 49 | 11°14'17 | 25°41 | 23°24 | 24°52 | 15°36 | 5°49 | 6°30 | 27°19 | 8° 6 | 6° 7 | 26°38 | 25°53 | 15°52 | n.a. | S 21 |
| M22 | 14 49 45 | 12°11'20 | 9♍19 | 25° 6 | 25°57 | 16°18 | 5°54 | 6°35 | 27°18 | 8° 5 | 6° 7 | 26°39 | 25°50 | 15°59 | n.a. | M22 |
| T 23 | 14 53 42 | 13° 8'22 | 23°24 | 26°51 | 27° 2 | 17° 0 | 6° 0 | 6°41 | 27°16 | 8° 3 | 6° 6 | 26°40 | 25°47 | 16° 5 | n.a. | T 23 |
| W24 | 14 57 38 | 14° 5'25 | 7♎54 | 28°40 | 28° 7 | 17°41 | 6° 6 | 6°46 | 27°15 | 8° 1 | 6° 6 | 26°41 | 25°44 | 16°12 | n.a. | W24 |
| T 25 | 15 1 35 | 15° 2'27 | 22°45 | 0♉31 | 29°11 | 18°23 | 6°12 | 6°52 | 27°13 | 8° 0 | 6° 6 | 26°R42 | 25°41 | 16°19 | n.a. | T 25 |
| F 26 | 15 5 31 | 15°59'30 | 7♏51 | 2°26 | 0♋16 | 19° 4 | 6°18 | 6°57 | 27°12 | 7°58 | 6° 5 | 26°41 | 25°38 | 16°25 | n.a. | F 26 |
| S 27 | 15 9 28 | 16°56'34 | 23° 5 | 4°22 | 1°20 | 19°46 | 6°25 | 7° 3 | 27°11 | 7°57 | 6° 5 | 26°40 | 25°34 | 16°32 | n.a. | S 27 |
| S 28 | 15 13 25 | 17°53'37 | 8♐15 | 6°22 | 2°23 | 20°27 | 6°31 | 7° 8 | 27° 9 | 7°55 | 6° 5 | 26°38 | 25°31 | 16°39 | n.a. | S 28 |
| M29 | 15 17 21 | 18°50'42 | 23°13 | 8°23 | 3°27 | 21° 8 | 6°38 | 7°14 | 27° 8 | 7°53 | 6° 5 | 26°35 | 25°28 | 16°45 | n.a. | M29 |
| T 30 | 15 21 18 | 19°47'47 | 7♑50 | 10°26 | 4°30 | 21°49 | 6°44 | 7°20 | 27° 7 | 7°52 | 6° 4 | 26°32 | 25°25 | 16°52 | n.a. | T 30 |
| W31 | 15 25 14 | 20♉44'53 | 22♑ 2 | 12♉31 | 5♋33 | 22♓30 | 6♌51 | 7♋26 | 27♍ 6 | 7♏50 | 6♍ 4 | 26♎30 | 25♎22 | 16♉59 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 8n49 | 19s 5 | 3n55 | 2s25 | 3s32 | 23n20 | 2n16 | 12s33 | 1s27 | 21n 2 | 1n34 | 24n47 | 0n58 | 1n28 | 0n42 | 13s 4 | 1n42 | 25n24 | 17n26 | 10s30 | 10s35 | 14n50 | | | n.a. |
| T 2 | 9 11 | 19 14 | 4 41 | 2 15 | 3 34 | 23 34 | 2 17 | 12 17 | 1 27 | 21 1 | 1 33 | 24 47 | 0 58 | 1 29 | 0 42 | 13 3 | 1 42 | 25 24 | 17 25 | 10 30 | 10 34 | 14 52 | | | n.a. |
| W 3 | 9 32 | 18 11 | 5 8 | 2 4 | 3 34 | 23 48 | 2 18 | 12 1 | 1 28 | 21 0 | 1 33 | 24 47 | 0 58 | 1 29 | 0 42 | 13 3 | 1 42 | 25 24 | 17 25 | 10 30 | 10 33 | 14 53 | | | n.a. |
| T 4 | 9 54 | 16 7 | 5 18 | 1 49 | 3 33 | 24 2 | 2 19 | 11 46 | 1 28 | 20 59 | 1 33 | 24 46 | 0 58 | 1 30 | 0 42 | 13 2 | 1 42 | 25 24 | 17 24 | 10 30 | 10 32 | 14 54 | | | n.a. |
| F 5 | 10 15 | 13 14 | 5 10 | 1 32 | 3 32 | 24 14 | 2 20 | 11 30 | 1 28 | 20 59 | 1 33 | 24 46 | 0 58 | 1 31 | 0 41 | 13 2 | 1 42 | 25 24 | 17 24 | 10 30 | 10 31 | 14 55 | | | n.a. |
| S 6 | 10 36 | 9 47 | 4 47 | 1 12 | 3 29 | 24 27 | 2 21 | 11 14 | 1 28 | 20 58 | 1 32 | 24 46 | 0 58 | 1 32 | 0 41 | 13 1 | 1 42 | 25 24 | 17 24 | 10 30 | 10 29 | 14 56 | | | n.a. |
| S 7 | 10 57 | 5 58 | 4 10 | 0 50 | 3 26 | 24 38 | 2 22 | 10 57 | 1 28 | 20 56 | 1 32 | 24 46 | 0 58 | 1 33 | 0 41 | 13 1 | 1 42 | 25 24 | 17 23 | 10 30 | 10 28 | 14 58 | | | n.a. |
| M 8 | 11 17 | 1 58 | 3 22 | 0 26 | 3 22 | 24 49 | 2 22 | 10 41 | 1 28 | 20 55 | 1 32 | 24 46 | 0 57 | 1 34 | 0 41 | 13 0 | 1 42 | 25 23 | 17 23 | 10 30 | 10 27 | 14 59 | | | n.a. |
| T 9 | 11 38 | 2n 4 | 2 25 | 0n 1 | 3 17 | 24 59 | 2 23 | 10 25 | 1 28 | 20 54 | 1 32 | 24 45 | 0 57 | 1 34 | 0 41 | 13 0 | 1 42 | 25 23 | 17 22 | 10 31 | 10 26 | 15 0 | | | n.a. |
| W10 | 11 58 | 5 58 | 1 23 | 0 30 | 3 12 | 25 9 | 2 23 | 10 9 | 1 28 | 20 53 | 1 31 | 24 45 | 0 57 | 1 35 | 0 41 | 12 59 | 1 42 | 25 23 | 17 22 | 10 31 | 10 25 | 15 1 | | | n.a. |
| T 11 | 12 19 | 9 36 | 0 18 | 1 1 | 3 5 | 25 17 | 2 23 | 9 53 | 1 28 | 20 52 | 1 31 | 24 45 | 0 57 | 1 36 | 0 41 | 12 59 | 1 42 | 25 23 | 17 21 | 10 31 | 10 24 | 15 2 | | | n.a. |
| F 12 | 12 39 | 12 50 | 0s48 | 1 34 | 2 58 | 25 26 | 2 23 | 9 36 | 1 28 | 20 51 | 1 31 | 24 45 | 0 57 | 1 37 | 0 41 | 12 58 | 1 42 | 25 23 | 17 21 | 10 31 | 10 22 | 15 4 | | | n.a. |
| S 13 | 12 59 | 15 32 | 1 51 | 2 9 | 2 51 | 25 33 | 2 23 | 9 20 | 1 28 | 20 49 | 1 31 | 24 45 | 0 57 | 1 37 | 0 41 | 12 58 | 1 42 | 25 23 | 17 20 | 10 31 | 10 21 | 15 5 | | | n.a. |
| S 14 | 13 18 | 17 34 | 2 50 | 2 46 | 2 43 | 25 40 | 2 23 | 9 3 | 1 28 | 20 48 | 1 30 | 24 44 | 0 57 | 1 38 | 0 41 | 12 57 | 1 42 | 25 22 | 17 19 | 10 30 | 10 20 | 15 6 | | | n.a. |
| M15 | 13 38 | 18 52 | 3 41 | 3 24 | 2 34 | 25 46 | 2 23 | 8 47 | 1 28 | 20 47 | 1 30 | 24 44 | 0 57 | 1 39 | 0 41 | 12 57 | 1 42 | 25 22 | 17 19 | 10 30 | 10 19 | 15 7 | | | n.a. |
| T 16 | 13 57 | 19 20 | 4 23 | 4 5 | 2 25 | 25 51 | 2 23 | 8 31 | 1 28 | 20 45 | 1 30 | 24 44 | 0 57 | 1 39 | 0 41 | 12 56 | 1 42 | 25 22 | 17 18 | 10 29 | 10 18 | 15 8 | | | n.a. |
| W17 | 14 16 | 18 56 | 4 54 | 4 47 | 2 15 | 25 56 | 2 22 | 8 14 | 1 28 | 20 44 | 1 30 | 24 44 | 0 57 | 1 40 | 0 41 | 12 55 | 1 42 | 25 22 | 17 18 | 10 29 | 10 17 | 15 9 | | | n.a. |
| T 18 | 14 35 | 17 38 | 5 13 | 5 31 | 2 5 | 26 0 | 2 22 | 7 58 | 1 28 | 20 42 | 1 30 | 24 44 | 0 57 | 1 41 | 0 41 | 12 55 | 1 42 | 25 21 | 17 17 | 10 28 | 10 15 | 15 11 | | | n.a. |
| F 19 | 14 53 | 15 29 | 5 17 | 6 16 | 1 54 | 26 4 | 2 21 | 7 41 | 1 28 | 20 41 | 1 29 | 24 43 | 0 57 | 1 41 | 0 41 | 12 54 | 1 42 | 25 21 | 17 17 | 10 28 | 10 14 | 15 12 | | | n.a. |
| S 20 | 15 12 | 12 32 | 5 5 | 7 3 | 1 43 | 26 6 | 2 20 | 7 24 | 1 28 | 20 39 | 1 29 | 24 43 | 0 57 | 1 42 | 0 41 | 12 54 | 1 42 | 25 21 | 17 16 | 10 28 | 10 13 | 15 13 | | | n.a. |
| S 21 | 15 30 | 8 52 | 4 37 | 7 50 | 1 32 | 26 8 | 2 19 | 7 8 | 1 28 | 20 38 | 1 29 | 24 43 | 0 57 | 1 43 | 0 41 | 12 53 | 1 42 | 25 20 | 17 16 | 10 28 | 10 12 | 15 14 | | | n.a. |
| M22 | 15 48 | 4 38 | 3 53 | 8 39 | 1 21 | 26 10 | 2 18 | 6 51 | 1 28 | 20 36 | 1 29 | 24 42 | 0 57 | 1 43 | 0 41 | 12 53 | 1 42 | 25 20 | 17 15 | 10 29 | 10 11 | 15 15 | | | n.a. |
| T 23 | 16 6 | 0 1 | 2 54 | 9 29 | 1 9 | 26 10 | 2 17 | 6 35 | 1 28 | 20 34 | 1 28 | 24 42 | 0 58 | 1 44 | 0 41 | 12 52 | 1 42 | 25 20 | 17 15 | 10 29 | 10 9 | 15 16 | | | n.a. |
| W24 | 16 23 | 4s45 | 1 42 | 10 19 | 0 58 | 26 10 | 2 16 | 6 18 | 1 28 | 20 33 | 1 28 | 24 42 | 0 58 | 1 44 | 0 41 | 12 52 | 1 42 | 25 19 | 17 14 | 10 29 | 10 8 | 15 17 | | | n.a. |
| T 25 | 16 40 | 9 21 | 0 22 | 11 10 | 0 46 | 26 9 | 2 14 | 6 1 | 1 27 | 20 31 | 1 28 | 24 42 | 0 58 | 1 45 | 0 41 | 12 51 | 1 42 | 25 19 | 17 13 | 10 30 | 10 7 | 15 19 | | | n.a. |
| F 26 | 16 57 | 13 26 | 1n 1 | 12 1 | 0 34 | 26 8 | 2 13 | 5 45 | 1 27 | 20 29 | 1 28 | 24 41 | 0 58 | 1 45 | 0 41 | 12 51 | 1 42 | 25 19 | 17 13 | 10 30 | 10 6 | 15 20 | | | n.a. |
| S 27 | 17 14 | 16 39 | 2 21 | 12 53 | 0 22 | 26 6 | 2 11 | 5 28 | 1 27 | 20 27 | 1 28 | 24 41 | 0 58 | 1 46 | 0 41 | 12 50 | 1 42 | 25 18 | 17 12 | 10 29 | 10 5 | 15 21 | | | n.a. |
| S 28 | 17 30 | 18 40 | 3 30 | 13 44 | 0 11 | 26 3 | 2 9 | 5 11 | 1 27 | 20 25 | 1 27 | 24 41 | 0 58 | 1 46 | 0 41 | 12 50 | 1 41 | 25 18 | 17 12 | 10 28 | 10 4 | 15 22 | | | n.a. |
| M29 | 17 46 | 19 21 | 4 23 | 14 35 | 0n 0 | 26 0 | 2 7 | 4 55 | 1 27 | 20 24 | 1 27 | 24 40 | 0 58 | 1 47 | 0 41 | 12 49 | 1 41 | 25 17 | 17 11 | 10 27 | 10 2 | 15 23 | | | n.a. |
| T 30 | 18 2 | 18 43 | 4 59 | 15 26 | 0 11 | 25 56 | 2 5 | 4 38 | 1 27 | 20 22 | 1 27 | 24 40 | 0 58 | 1 47 | 0 41 | 12 49 | 1 41 | 25 17 | 17 11 | 10 26 | 10 1 | 15 24 | | | n.a. |
| W31 | 18n18 | 16s55 | 5n14 | 16n15 | 0n22 | 25n51 | 2n 3 | 4s21 | 1s27 | 20n20 | 1n27 | 24n40 | 0n58 | 1n48 | 0n41 | 12s48 | 1n41 | 25n16 | 17n10 | 10s25 | 10s 0 | 15n25 | | | n.a. |

Julian Day Number = 1002000.5, Delta T = 12h50m05s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'48, Lahiri = -31°06'47 Julian Calendar 1 May 1970 BCE == Greg. Calendar 14 Apr. 1970 BCE

The year -1969 astronomical counting style corresponds to year 1970 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## JUNE 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 29 11 | 21♉41'59 | 5♒47 | 14♉37 | 6♋36 | 23♓11 | 6♌58 | 7♋32 | 27°R 5 | 7°R49 | 6°R 4 | 26°R28 | 25♎18 | 17♉ 5 | n.a. | T 1 |
| F 2 | 15 33 7 | 22°39'07 | 19° 4 | 16°44 | 7°39 | 23°52 | 7° 5 | 7°38 | 27♍ 4 | 7♏47 | 6♍ 4 | 26°D27 | 25°15 | 17°12 | n.a. | F 2 |
| S 3 | 15 37 4 | 23°36'15 | 1♓57 | 18°51 | 8°41 | 24°33 | 7°13 | 7°44 | 27° 3 | 7°46 | 6°D 4 | 26♎27 | 25°12 | 17°18 | n.a. | S 3 |
| S 4 | 15 41 0 | 24°33'24 | 14°29 | 20°59 | 9°43 | 25°14 | 7°20 | 7°50 | 27° 2 | 7°44 | 6° 4 | 26°28 | 25° 9 | 17°25 | n.a. | S 4 |
| M 5 | 15 44 57 | 25°30'34 | 26°43 | 23° 7 | 10°45 | 25°54 | 7°28 | 7°56 | 27° 1 | 7°43 | 6° 4 | 26°30 | 25° 6 | 17°32 | n.a. | M 5 |
| T 6 | 15 48 54 | 26°27'45 | 8♈45 | 25°15 | 11°46 | 26°35 | 7°35 | 8° 2 | 27° 0 | 7°41 | 6° 4 | 26°32 | 25° 3 | 17°38 | n.a. | T 6 |
| W 7 | 15 52 50 | 27°24'58 | 20°39 | 27°23 | 12°47 | 27°15 | 7°43 | 8° 8 | 26°59 | 7°40 | 6° 4 | 26°R33 | 24°59 | 17°45 | n.a. | W 7 |
| T 8 | 15 56 47 | 28°22'11 | 2♉27 | 29°29 | 13°48 | 27°55 | 7°51 | 8°15 | 26°58 | 7°38 | 6° 5 | 26°33 | 24°56 | 17°52 | n.a. | T 8 |
| F 9 | 16 0 43 | 29°19'25 | 14°14 | 1♊35 | 14°49 | 28°36 | 7°59 | 8°21 | 26°58 | 7°37 | 6° 5 | 26°31 | 24°53 | 17°58 | n.a. | F 9 |
| S 10 | 16 4 40 | 0♊16'40 | 26° 2 | 3°40 | 15°49 | 29°16 | 8° 7 | 8°27 | 26°57 | 7°35 | 6° 5 | 26°28 | 24°50 | 18° 5 | n.a. | S 10 |
| S 11 | 16 8 36 | 1°13'55 | 7♊54 | 5°44 | 16°49 | 29°56 | 8°15 | 8°34 | 26°56 | 7°34 | 6° 5 | 26°24 | 24°47 | 18°12 | n.a. | S 11 |
| M12 | 16 12 33 | 2°11'12 | 19°50 | 7°46 | 17°49 | 0♈36 | 8°24 | 8°40 | 26°56 | 7°32 | 6° 5 | 26°18 | 24°44 | 18°18 | n.a. | M12 |
| T 13 | 16 16 30 | 3° 8'30 | 1♋54 | 9°48 | 18°48 | 1°16 | 8°32 | 8°47 | 26°55 | 7°31 | 6° 6 | 26°11 | 24°40 | 18°25 | n.a. | T 13 |
| W14 | 16 20 26 | 4° 5'49 | 14° 6 | 11°47 | 19°47 | 1°55 | 8°41 | 8°53 | 26°55 | 7°29 | 6° 6 | 26° 5 | 24°37 | 18°32 | n.a. | W14 |
| T 15 | 16 24 23 | 5° 3'08 | 26°29 | 13°46 | 20°45 | 2°35 | 8°49 | 9° 0 | 26°54 | 7°28 | 6° 7 | 25°59 | 24°34 | 18°38 | n.a. | T 15 |
| F 16 | 16 28 19 | 6° 0'28 | 9♌ 6 | 15°42 | 21°43 | 3°14 | 8°58 | 9° 6 | 26°54 | 7°27 | 6° 7 | 25°54 | 24°31 | 18°45 | n.a. | F 16 |
| S 17 | 16 32 16 | 6°57'49 | 21°57 | 17°37 | 22°41 | 3°54 | 9° 7 | 9°13 | 26°54 | 7°25 | 6° 7 | 25°52 | 24°28 | 18°52 | n.a. | S 17 |
| S 18 | 16 36 12 | 7°55'11 | 5♍ 8 | 19°31 | 23°38 | 4°33 | 9°16 | 9°20 | 26°53 | 7°24 | 6° 8 | 25°D50 | 24°24 | 18°58 | n.a. | S 18 |
| M19 | 16 40 9 | 8°52'34 | 18°38 | 21°23 | 24°35 | 5°12 | 9°25 | 9°27 | 26°53 | 7°23 | 6° 8 | 25°51 | 24°21 | 19° 5 | n.a. | M19 |
| T 20 | 16 44 5 | 9°49'57 | 2♎32 | 23°13 | 25°31 | 5°51 | 9°34 | 9°33 | 26°53 | 7°21 | 6° 9 | 25°52 | 24°18 | 19°12 | n.a. | T 20 |
| W21 | 16 48 2 | 10°47'21 | 16°48 | 25° 2 | 26°27 | 6°30 | 9°44 | 9°40 | 26°53 | 7°20 | 6°10 | 25°53 | 24°15 | 19°18 | n.a. | W21 |
| T 22 | 16 51 59 | 11°44'47 | 1♏26 | 26°49 | 27°23 | 7° 9 | 9°53 | 9°47 | 26°53 | 7°19 | 6°10 | 25°R53 | 24°12 | 19°25 | n.a. | T 22 |
| F 23 | 16 55 55 | 12°42'13 | 16°21 | 28°35 | 28°18 | 7°48 | 10° 3 | 9°54 | 26°D53 | 7°17 | 6°11 | 25°52 | 24° 9 | 19°32 | n.a. | F 23 |
| S 24 | 16 59 52 | 13°39'41 | 1♐27 | 0♋19 | 29°12 | 8°26 | 10°12 | 10° 1 | 26°53 | 7°16 | 6°12 | 25°48 | 24° 5 | 19°38 | n.a. | S 24 |
| S 25 | 17 3 48 | 14°37'10 | 16°35 | 2° 2 | 0♌ 6 | 9° 5 | 10°22 | 10° 8 | 26°53 | 7°15 | 6°12 | 25°42 | 24° 2 | 19°45 | n.a. | S 25 |
| M26 | 17 7 45 | 15°34'40 | 1♑36 | 3°43 | 0°59 | 9°43 | 10°32 | 10°15 | 26°53 | 7°14 | 6°13 | 25°35 | 23°59 | 19°52 | n.a. | M26 |
| T 27 | 17 11 41 | 16°32'12 | 16°19 | 5°22 | 1°52 | 10°21 | 10°42 | 10°22 | 26°53 | 7°13 | 6°14 | 25°28 | 23°56 | 19°58 | n.a. | T 27 |
| W28 | 17 15 38 | 17°29'46 | 0♒38 | 7° 0 | 2°44 | 11° 0 | 10°52 | 10°29 | 26°53 | 7°12 | 6°15 | 25°20 | 23°53 | 20° 5 | n.a. | W28 |
| T 29 | 17 19 35 | 18°27'20 | 14°29 | 8°36 | 3°35 | 11°38 | 11° 2 | 10°36 | 26°54 | 7°10 | 6°15 | 25°14 | 23°50 | 20°12 | n.a. | T 29 |
| F 30 | 17 23 31 | 19♊24'57 | 27♒52 | 10♋11 | 4♌26 | 12♈16 | 11♌12 | 10♋43 | 26♍54 | 7♏ 9 | 6♍16 | 25♎10 | 23♎46 | 20♉18 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n33 | 14s11 | 5n11 | 17n 3 | 0n32 | 25n46 | 2n 1 | 4s 5 | 1s27 | 20n18 | 1n27 | 24n39 | 0n58 | 1n48 | 0n41 | 12s48 | 1n41 | 25n16 | 17n 9 | 10s25 | 9s59 | 15n26 | | n.a. |
| F 2 | 18 48 | 10 48 | 4 51 | 17 50 | 0 42 | 25 40 | 1 58 | 3 48 | 1 26 | 20 16 | 1 26 | 24 39 | 0 58 | 1 49 | 0 41 | 12 47 | 1 41 | 25 15 | 17 9 | 10 24 | 9 58 | 15 28 | | n.a. |
| S 3 | 19 3 | 7 0 | 4 17 | 18 36 | 0 51 | 25 33 | 1 56 | 3 31 | 1 26 | 20 13 | 1 26 | 24 39 | 0 58 | 1 49 | 0 41 | 12 47 | 1 41 | 25 15 | 17 8 | 10 24 | 9 56 | 15 29 | | n.a. |
| S 4 | 19 17 | 3 0 | 3 31 | 19 20 | 1 0 | 25 26 | 1 53 | 3 15 | 1 26 | 20 11 | 1 26 | 24 38 | 0 58 | 1 49 | 0 41 | 12 46 | 1 41 | 25 14 | 17 8 | 10 25 | 9 55 | 15 30 | | n.a. |
| M 5 | 19 31 | 1n 3 | 2 37 | 20 1 | 1 8 | 25 18 | 1 50 | 2 58 | 1 26 | 20 9 | 1 26 | 24 38 | 0 58 | 1 50 | 0 40 | 12 46 | 1 41 | 25 14 | 17 7 | 10 25 | 9 54 | 15 31 | | n.a. |
| T 6 | 19 45 | 5 0 | 1 36 | 20 41 | 1 16 | 25 9 | 1 47 | 2 42 | 1 26 | 20 7 | 1 25 | 24 38 | 0 58 | 1 50 | 0 40 | 12 45 | 1 41 | 25 13 | 17 7 | 10 26 | 9 53 | 15 32 | | n.a. |
| W 7 | 19 59 | 8 43 | 0 32 | 21 18 | 1 22 | 25 0 | 1 43 | 2 25 | 1 26 | 20 5 | 1 25 | 24 37 | 0 58 | 1 50 | 0 40 | 12 45 | 1 41 | 25 13 | 17 6 | 10 26 | 9 52 | 15 33 | | n.a. |
| T 8 | 20 12 | 12 4 | 0s32 | 21 53 | 1 28 | 24 51 | 1 40 | 2 9 | 1 25 | 20 2 | 1 25 | 24 37 | 0 58 | 1 51 | 0 40 | 12 44 | 1 41 | 25 12 | 17 5 | 10 26 | 9 51 | 15 34 | | n.a. |
| F 9 | 20 24 | 14 55 | 1 35 | 22 25 | 1 34 | 24 40 | 1 37 | 1 52 | 1 25 | 20 0 | 1 25 | 24 37 | 0 58 | 1 51 | 0 40 | 12 44 | 1 41 | 25 11 | 17 5 | 10 26 | 9 49 | 15 35 | | n.a. |
| S 10 | 20 37 | 17 9 | 2 34 | 22 55 | 1 38 | 24 30 | 1 33 | 1 36 | 1 25 | 19 58 | 1 25 | 24 36 | 0 58 | 1 51 | 0 40 | 12 44 | 1 41 | 25 11 | 17 4 | 10 25 | 9 48 | 15 36 | | n.a. |
| S 11 | 20 49 | 18 40 | 3 27 | 23 22 | 1 42 | 24 18 | 1 29 | 1 19 | 1 25 | 19 55 | 1 25 | 24 36 | 0 58 | 1 51 | 0 40 | 12 43 | 1 41 | 25 10 | 17 4 | 10 23 | 9 47 | 15 37 | | n.a. |
| M12 | 21 1 | 19 22 | 4 10 | 23 47 | 1 46 | 24 7 | 1 25 | 1 3 | 1 24 | 19 53 | 1 24 | 24 35 | 0 58 | 1 51 | 0 40 | 12 43 | 1 41 | 25 10 | 17 3 | 10 21 | 9 46 | 15 39 | | n.a. |
| T 13 | 21 12 | 19 11 | 4 43 | 24 9 | 1 48 | 23 54 | 1 21 | 0 46 | 1 24 | 19 51 | 1 24 | 24 35 | 0 58 | 1 52 | 0 40 | 12 42 | 1 41 | 25 9 | 17 2 | 10 18 | 9 45 | 15 40 | | n.a. |
| W14 | 21 23 | 18 7 | 5 4 | 24 28 | 1 50 | 23 41 | 1 16 | 0 30 | 1 24 | 19 48 | 1 24 | 24 35 | 0 58 | 1 52 | 0 40 | 12 42 | 1 41 | 25 8 | 17 2 | 10 16 | 9 43 | 15 41 | | n.a. |
| T 15 | 21 34 | 16 12 | 5 10 | 24 45 | 1 51 | 23 28 | 1 12 | 0 14 | 1 24 | 19 46 | 1 24 | 24 34 | 0 58 | 1 52 | 0 40 | 12 41 | 1 41 | 25 7 | 17 1 | 10 14 | 9 42 | 15 42 | | n.a. |
| F 16 | 21 44 | 13 29 | 5 2 | 24 59 | 1 52 | 23 14 | 1 7 | 0n 2 | 1 23 | 19 43 | 1 24 | 24 34 | 0 58 | 1 52 | 0 40 | 12 41 | 1 41 | 25 7 | 17 1 | 10 12 | 9 41 | 15 43 | | n.a. |
| S 17 | 21 54 | 10 4 | 4 39 | 25 11 | 1 52 | 23 0 | 1 3 | 0 19 | 1 23 | 19 40 | 1 23 | 24 33 | 0 58 | 1 52 | 0 40 | 12 41 | 1 41 | 25 6 | 17 0 | 10 11 | 9 40 | 15 44 | | n.a. |
| S 18 | 22 4 | 6 6 | 4 1 | 25 21 | 1 52 | 22 45 | 0 58 | 0 35 | 1 23 | 19 38 | 1 23 | 24 33 | 0 58 | 1 52 | 0 40 | 12 40 | 1 41 | 25 5 | 16 59 | 10 11 | 9 39 | 15 45 | | n.a. |
| M19 | 22 13 | 1 42 | 3 8 | 25 28 | 1 51 | 22 30 | 0 52 | 0 51 | 1 23 | 19 35 | 1 23 | 24 32 | 0 58 | 1 52 | 0 40 | 12 40 | 1 41 | 25 5 | 16 59 | 10 11 | 9 37 | 15 46 | | n.a. |
| T 20 | 22 22 | 2s54 | 2 3 | 25 33 | 1 49 | 22 14 | 0 47 | 1 7 | 1 22 | 19 32 | 1 23 | 24 32 | 0 58 | 1 52 | 0 40 | 12 39 | 1 41 | 25 4 | 16 58 | 10 11 | 9 36 | 15 47 | | n.a. |
| W21 | 22 31 | 7 29 | 0 49 | 25 36 | 1 47 | 21 58 | 0 42 | 1 23 | 1 22 | 19 30 | 1 23 | 24 31 | 0 58 | 1 52 | 0 40 | 12 39 | 1 41 | 25 3 | 16 58 | 10 12 | 9 35 | 15 48 | | n.a. |
| T 22 | 22 39 | 11 44 | 0n30 | 25 37 | 1 44 | 21 41 | 0 36 | 1 39 | 1 22 | 19 27 | 1 23 | 24 31 | 0 58 | 1 52 | 0 40 | 12 39 | 1 41 | 25 2 | 16 57 | 10 12 | 9 34 | 15 49 | | n.a. |
| F 23 | 22 46 | 15 20 | 1 48 | 25 36 | 1 41 | 21 25 | 0 30 | 1 55 | 1 21 | 19 24 | 1 22 | 24 30 | 0 58 | 1 52 | 0 40 | 12 38 | 1 41 | 25 1 | 16 57 | 10 11 | 9 33 | 15 50 | | n.a. |
| S 24 | 22 54 | 17 56 | 3 0 | 25 33 | 1 37 | 21 7 | 0 24 | 2 10 | 1 21 | 19 21 | 1 22 | 24 30 | 0 58 | 1 52 | 0 40 | 12 38 | 1 41 | 25 1 | 16 56 | 10 10 | 9 32 | 15 51 | | n.a. |
| S 25 | 23 1 | 19 16 | 3 59 | 25 28 | 1 33 | 20 50 | 0 18 | 2 26 | 1 21 | 19 18 | 1 22 | 24 29 | 0 58 | 1 52 | 0 40 | 12 37 | 1 41 | 25 0 | 16 55 | 10 8 | 9 30 | 15 52 | | n.a. |
| M26 | 23 7 | 19 14 | 4 41 | 25 21 | 1 29 | 20 32 | 0 12 | 2 42 | 1 20 | 19 16 | 1 22 | 24 29 | 0 58 | 1 52 | 0 40 | 12 37 | 1 41 | 24 59 | 16 55 | 10 5 | 9 29 | 15 53 | | n.a. |
| T 27 | 23 13 | 17 53 | 5 3 | 25 12 | 1 24 | 20 14 | 0 5 | 2 58 | 1 20 | 19 13 | 1 22 | 24 28 | 0 58 | 1 52 | 0 40 | 12 37 | 1 40 | 24 58 | 16 54 | 10 2 | 9 28 | 15 55 | | n.a. |
| W28 | 23 19 | 15 26 | 5 6 | 25 2 | 1 19 | 19 55 | 0s 1 | 3 13 | 1 20 | 19 10 | 1 22 | 24 28 | 0 58 | 1 52 | 0 40 | 12 36 | 1 40 | 24 57 | 16 54 | 10 0 | 9 27 | 15 56 | | n.a. |
| T 29 | 23 24 | 12 11 | 4 50 | 24 51 | 1 13 | 19 36 | 0 8 | 3 29 | 1 19 | 19 7 | 1 22 | 24 27 | 0 58 | 1 52 | 0 40 | 12 36 | 1 40 | 24 56 | 16 53 | 9 57 | 9 26 | 15 57 | | n.a. |
| F 30 | 23n29 | 8s25 | 4n19 | 24n38 | 1n 7 | 19n17 | 0s15 | 3n44 | 1s19 | 19n 4 | 1n21 | 24n27 | 0n58 | 1n51 | 0n39 | 12s36 | 1n40 | 24n56 | 16n52 | 9s56 | 9s24 | 15n58 | | n.a. |

Julian Day Number = 1002031.5, Delta T = 12h50m03s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'43, Lahiri = -31°06'43 Julian Calendar 1 June 1970 BCE == Greg. Calendar 15 May 1970 BCE


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## JULY 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 27 28 | 20♊22'35 | 10♓47 | 11♋44 | 5♌16 | 12♈53 | 11♌22 | 10♋50 | 26♍54 | 7°R 8 | 6♍17 | 25°R 8 | 23♎43 | 20♉25 | n.a. | S 1 |
| S 2 | 17 31 24 | 21°20'15 | 23°19 | 13°16 | 6° 6 | 13°31 | 11°33 | 10°57 | 26°55 | 7♏ 7 | 6°18 | 25°D 7 | 23°40 | 20°32 | n.a. | S 2 |
| M 3 | 17 35 21 | 22°17'57 | 5♈31 | 14°46 | 6°54 | 14° 9 | 11°43 | 11° 5 | 26°55 | 7° 6 | 6°19 | 25♎ 8 | 23°37 | 20°38 | n.a. | M 3 |
| T 4 | 17 39 17 | 23°15'41 | 17°31 | 16°15 | 7°42 | 14°46 | 11°54 | 11°12 | 26°56 | 7° 5 | 6°20 | 25° 9 | 23°34 | 20°45 | n.a. | T 4 |
| W 5 | 17 43 14 | 24°13'27 | 29°22 | 17°42 | 8°30 | 15°23 | 12° 4 | 11°19 | 26°57 | 7° 4 | 6°21 | 25°R 9 | 23°30 | 20°52 | n.a. | W 5 |
| T 6 | 17 47 10 | 25°11'14 | 11♉ 9 | 19° 7 | 9°16 | 16° 0 | 12°15 | 11°26 | 26°57 | 7° 3 | 6°22 | 25° 7 | 23°27 | 20°58 | n.a. | T 6 |
| F 7 | 17 51 7 | 26° 9'03 | 22°56 | 20°31 | 10° 2 | 16°38 | 12°26 | 11°34 | 26°58 | 7° 2 | 6°24 | 25° 4 | 23°24 | 21° 5 | n.a. | F 7 |
| S 8 | 17 55 4 | 27° 6'54 | 4♊48 | 21°54 | 10°46 | 17°14 | 12°37 | 11°41 | 26°59 | 7° 1 | 6°25 | 24°58 | 23°21 | 21°12 | n.a. | S 8 |
| S 9 | 17 59 0 | 28° 4'47 | 16°46 | 23°14 | 11°30 | 17°51 | 12°48 | 11°48 | 26°59 | 7° 1 | 6°26 | 24°49 | 23°18 | 21°18 | n.a. | S 9 |
| M10 | 18 2 57 | 29° 2'42 | 28°52 | 24°33 | 12°13 | 18°28 | 12°59 | 11°55 | 27° 0 | 7° 0 | 6°27 | 24°38 | 23°15 | 21°25 | n.a. | M10 |
| T 11 | 18 6 53 | 0♋ 0'38 | 11♋ 8 | 25°50 | 12°55 | 19° 4 | 13°10 | 12° 3 | 27° 1 | 6°59 | 6°28 | 24°27 | 23°11 | 21°32 | n.a. | T 11 |
| W12 | 18 10 50 | 0°58'36 | 23°34 | 27° 5 | 13°36 | 19°41 | 13°21 | 12°10 | 27° 2 | 6°58 | 6°30 | 24°15 | 23° 8 | 21°38 | n.a. | W12 |
| T 13 | 18 14 46 | 1°56'36 | 6♌11 | 28°19 | 14°16 | 20°17 | 13°32 | 12°18 | 27° 3 | 6°57 | 6°31 | 24° 4 | 23° 5 | 21°45 | n.a. | T 13 |
| F 14 | 18 18 43 | 2°54'37 | 19° 0 | 29°30 | 14°55 | 20°53 | 13°43 | 12°25 | 27° 4 | 6°57 | 6°32 | 23°55 | 23° 2 | 21°52 | n.a. | F 14 |
| S 15 | 18 22 39 | 3°52'40 | 2♍ 1 | 0♌40 | 15°33 | 21°29 | 13°55 | 12°32 | 27° 5 | 6°56 | 6°34 | 23°49 | 22°59 | 21°58 | n.a. | S 15 |
| S 16 | 18 26 36 | 4°50'45 | 15°16 | 1°47 | 16° 9 | 22° 5 | 14° 6 | 12°40 | 27° 7 | 6°55 | 6°35 | 23°45 | 22°55 | 22° 5 | n.a. | S 16 |
| M17 | 18 30 33 | 5°48'51 | 28°45 | 2°52 | 16°44 | 22°40 | 14°18 | 12°47 | 27° 8 | 6°55 | 6°36 | 23°43 | 22°52 | 22°12 | n.a. | M17 |
| T 18 | 18 34 29 | 6°46'59 | 12♎31 | 3°54 | 17°18 | 23°16 | 14°29 | 12°55 | 27° 9 | 6°54 | 6°38 | 23°D43 | 22°49 | 22°18 | n.a. | T 18 |
| W19 | 18 38 26 | 7°45'08 | 26°35 | 4°55 | 17°51 | 23°51 | 14°41 | 13° 2 | 27°10 | 6°53 | 6°39 | 23°R43 | 22°46 | 22°25 | n.a. | W19 |
| T 20 | 18 42 22 | 8°43'19 | 10♏55 | 5°52 | 18°22 | 24°26 | 14°53 | 13° 9 | 27°12 | 6°53 | 6°41 | 23°42 | 22°43 | 22°32 | n.a. | T 20 |
| F 21 | 18 46 19 | 9°41'31 | 25°31 | 6°47 | 18°52 | 25° 1 | 15° 4 | 13°17 | 27°13 | 6°52 | 6°42 | 23°39 | 22°40 | 22°38 | n.a. | F 21 |
| S 22 | 18 50 15 | 10°39'46 | 10♐18 | 7°38 | 19°20 | 25°36 | 15°16 | 13°24 | 27°15 | 6°52 | 6°44 | 23°34 | 22°36 | 22°45 | n.a. | S 22 |
| S 23 | 18 54 12 | 11°38'02 | 25°10 | 8°27 | 19°47 | 26°10 | 15°28 | 13°32 | 27°16 | 6°51 | 6°45 | 23°26 | 22°33 | 22°52 | n.a. | S 23 |
| M24 | 18 58 8 | 12°36'20 | 9♑57 | 9°12 | 20°12 | 26°45 | 15°40 | 13°39 | 27°18 | 6°51 | 6°47 | 23°15 | 22°30 | 22°58 | n.a. | M24 |
| T 25 | 19 2 5 | 13°34'40 | 24°32 | 9°53 | 20°36 | 27°19 | 15°52 | 13°47 | 27°19 | 6°50 | 6°49 | 23° 4 | 22°27 | 23° 5 | n.a. | T 25 |
| W26 | 19 6 1 | 14°33'02 | 8♒48 | 10°31 | 20°57 | 27°53 | 16° 4 | 13°54 | 27°21 | 6°50 | 6°50 | 22°53 | 22°24 | 23°12 | n.a. | W26 |
| T 27 | 19 9 58 | 15°31'26 | 22°39 | 11° 5 | 21°17 | 28°27 | 16°16 | 14° 2 | 27°23 | 6°50 | 6°52 | 22°43 | 22°21 | 23°18 | n.a. | T 27 |
| F 28 | 19 13 55 | 16°29'53 | 6♓ 2 | 11°34 | 21°35 | 29° 1 | 16°28 | 14° 9 | 27°25 | 6°49 | 6°54 | 22°36 | 22°17 | 23°25 | n.a. | F 28 |
| S 29 | 19 17 51 | 17°28'21 | 19° 0 | 11°58 | 21°52 | 29°35 | 16°40 | 14°17 | 27°26 | 6°49 | 6°56 | 22°31 | 22°14 | 23°32 | n.a. | S 29 |
| S 30 | 19 21 48 | 18°26'52 | 1♈34 | 12°17 | 22° 6 | 0♉ 8 | 16°53 | 14°24 | 27°28 | 6°49 | 6°57 | 22°28 | 22°11 | 23°38 | n.a. | S 30 |
| M31 | 19 25 44 | 19♋25'26 | 13♈48 | 12♌31 | 22♌18 | 0♉42 | 17♌ 5 | 14♋31 | 27♍30 | 6♏49 | 6♍59 | 22♎28 | 22♎ 8 | 23♉45 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n34 | 4s21 | 3n35 | 24n24 | 1n 1 | 18n58 | 0s23 | 3n59 | 1s18 | 19n 1 | 1n21 | 24n26 | 0n58 | 1n51 | 0n39 | 12s36 | 1n40 | 24n55 | 16n52 | 9s55 | 9s23 | 15n59 | | n.a. |
| S 2 | 23 38 | 0 14 | 2 43 | 24 9 | 0 54 | 18 38 | 0 30 | 4 15 | 1 18 | 18 58 | 1 21 | 24 26 | 0 59 | 1 51 | 0 39 | 12 35 | 1 40 | 24 54 | 16 51 | 9 55 | 9 22 | 16 0 | | n.a. |
| M 3 | 23 41 | 3n49 | 1 43 | 23 52 | 0 47 | 18 19 | 0 38 | 4 30 | 1 18 | 18 55 | 1 21 | 24 25 | 0 59 | 1 51 | 0 39 | 12 35 | 1 40 | 24 53 | 16 51 | 9 55 | 9 21 | 16 1 | | n.a. |
| T 4 | 23 45 | 7 38 | 0 41 | 23 34 | 0 40 | 17 59 | 0 45 | 4 45 | 1 17 | 18 51 | 1 21 | 24 25 | 0 59 | 1 51 | 0 39 | 12 35 | 1 40 | 24 52 | 16 50 | 9 55 | 9 20 | 16 2 | | n.a. |
| W 5 | 23 47 | 11 7 | 0s23 | 23 16 | 0 33 | 17 39 | 0 53 | 5 0 | 1 17 | 18 48 | 1 21 | 24 24 | 0 59 | 1 50 | 0 39 | 12 34 | 1 40 | 24 51 | 16 50 | 9 55 | 9 18 | 16 3 | | n.a. |
| T 6 | 23 50 | 14 8 | 1 25 | 22 56 | 0 25 | 17 18 | 1 2 | 5 15 | 1 16 | 18 45 | 1 21 | 24 23 | 0 59 | 1 50 | 0 39 | 12 34 | 1 40 | 24 50 | 16 49 | 9 55 | 9 17 | 16 4 | | n.a. |
| F 7 | 23 52 | 16 34 | 2 23 | 22 35 | 0 17 | 16 58 | 1 10 | 5 30 | 1 16 | 18 42 | 1 20 | 24 23 | 0 59 | 1 50 | 0 39 | 12 34 | 1 40 | 24 49 | 16 49 | 9 53 | 9 16 | 16 5 | | n.a. |
| S 8 | 23 53 | 18 19 | 3 15 | 22 14 | 0 8 | 16 38 | 1 18 | 5 45 | 1 15 | 18 39 | 1 20 | 24 22 | 0 59 | 1 49 | 0 39 | 12 34 | 1 40 | 24 48 | 16 48 | 9 51 | 9 15 | 16 6 | | n.a. |
| S 9 | 23 54 | 19 16 | 3 59 | 21 52 | 0s 0 | 16 17 | 1 27 | 5 59 | 1 15 | 18 35 | 1 20 | 24 22 | 0 59 | 1 49 | 0 39 | 12 33 | 1 40 | 24 47 | 16 47 | 9 48 | 9 14 | 16 7 | | n.a. |
| M10 | 23 55 | 19 22 | 4 33 | 21 30 | 0 9 | 15 56 | 1 36 | 6 14 | 1 14 | 18 32 | 1 20 | 24 21 | 0 59 | 1 49 | 0 39 | 12 33 | 1 40 | 24 46 | 16 47 | 9 44 | 9 12 | 16 8 | | n.a. |
| T 11 | 23 55 | 18 33 | 4 55 | 21 7 | 0 18 | 15 36 | 1 45 | 6 29 | 1 14 | 18 29 | 1 20 | 24 20 | 0 59 | 1 48 | 0 39 | 12 33 | 1 40 | 24 45 | 16 46 | 9 39 | 9 11 | 16 9 | | n.a. |
| W12 | 23 55 | 16 51 | 5 3 | 20 43 | 0 27 | 15 15 | 1 54 | 6 43 | 1 13 | 18 25 | 1 20 | 24 20 | 0 59 | 1 48 | 0 39 | 12 33 | 1 40 | 24 44 | 16 46 | 9 35 | 9 10 | 16 10 | | n.a. |
| T 13 | 23 54 | 14 19 | 4 56 | 20 19 | 0 36 | 14 54 | 2 4 | 6 57 | 1 13 | 18 22 | 1 20 | 24 19 | 0 59 | 1 47 | 0 39 | 12 32 | 1 40 | 24 43 | 16 45 | 9 31 | 9 9 | 16 11 | | n.a. |
| F 14 | 23 53 | 11 5 | 4 35 | 19 55 | 0 46 | 14 34 | 2 13 | 7 12 | 1 12 | 18 18 | 1 20 | 24 18 | 0 59 | 1 47 | 0 39 | 12 32 | 1 40 | 24 42 | 16 45 | 9 28 | 9 8 | 16 12 | | n.a. |
| S 15 | 23 52 | 7 16 | 3 59 | 19 31 | 0 55 | 14 13 | 2 23 | 7 26 | 1 12 | 18 15 | 1 19 | 24 18 | 0 59 | 1 46 | 0 39 | 12 32 | 1 40 | 24 41 | 16 44 | 9 25 | 9 6 | 16 13 | | n.a. |
| S 16 | 23 50 | 3 1 | 3 9 | 19 7 | 1 5 | 13 53 | 2 33 | 7 40 | 1 11 | 18 11 | 1 19 | 24 17 | 0 59 | 1 46 | 0 39 | 12 32 | 1 40 | 24 40 | 16 44 | 9 24 | 9 5 | 16 14 | | n.a. |
| M17 | 23 47 | 1s27 | 2 9 | 18 42 | 1 15 | 13 33 | 2 43 | 7 54 | 1 11 | 18 8 | 1 19 | 24 16 | 0 59 | 1 45 | 0 39 | 12 32 | 1 39 | 24 39 | 16 43 | 9 23 | 9 4 | 16 15 | | n.a. |
| T 18 | 23 44 | 5 57 | 0 59 | 18 18 | 1 24 | 13 12 | 2 54 | 8 8 | 1 10 | 18 4 | 1 19 | 24 16 | 0 59 | 1 45 | 0 39 | 12 32 | 1 39 | 24 38 | 16 43 | 9 23 | 9 3 | 16 16 | | n.a. |
| W19 | 23 41 | 10 13 | 0n15 | 17 54 | 1 34 | 12 52 | 3 4 | 8 21 | 1 10 | 18 1 | 1 19 | 24 15 | 1 0 | 1 44 | 0 39 | 12 31 | 1 39 | 24 37 | 16 42 | 9 23 | 9 2 | 16 17 | | n.a. |
| T 20 | 23 37 | 13 59 | 1 30 | 17 30 | 1 44 | 12 33 | 3 15 | 8 35 | 1 9 | 17 57 | 1 19 | 24 14 | 1 0 | 1 44 | 0 39 | 12 31 | 1 39 | 24 36 | 16 42 | 9 23 | 9 0 | 16 18 | | n.a. |
| F 21 | 23 33 | 16 56 | 2 40 | 17 6 | 1 54 | 12 13 | 3 26 | 8 49 | 1 9 | 17 53 | 1 19 | 24 14 | 1 0 | 1 43 | 0 39 | 12 31 | 1 39 | 24 35 | 16 41 | 9 22 | 8 59 | 16 19 | | n.a. |
| S 22 | 23 29 | 18 49 | 3 40 | 16 43 | 2 4 | 11 54 | 3 37 | 9 2 | 1 8 | 17 50 | 1 19 | 24 13 | 1 0 | 1 42 | 0 39 | 12 31 | 1 39 | 24 34 | 16 41 | 9 20 | 8 58 | 16 20 | | n.a. |
| S 23 | 23 24 | 19 24 | 4 26 | 16 21 | 2 14 | 11 35 | 3 48 | 9 15 | 1 7 | 17 46 | 1 19 | 24 12 | 1 0 | 1 42 | 0 39 | 12 31 | 1 39 | 24 33 | 16 40 | 9 17 | 8 57 | 16 21 | | n.a. |
| M24 | 23 18 | 18 40 | 4 53 | 16 0 | 2 24 | 11 16 | 3 59 | 9 29 | 1 7 | 17 42 | 1 19 | 24 12 | 1 0 | 1 41 | 0 39 | 12 31 | 1 39 | 24 32 | 16 40 | 9 13 | 8 56 | 16 21 | | n.a. |
| T 25 | 23 13 | 16 42 | 5 1 | 15 39 | 2 34 | 10 58 | 4 10 | 9 42 | 1 6 | 17 39 | 1 19 | 24 11 | 1 0 | 1 40 | 0 38 | 12 31 | 1 39 | 24 31 | 16 39 | 9 8 | 8 54 | 16 22 | | n.a. |
| W26 | 23 6 | 13 46 | 4 50 | 15 20 | 2 44 | 10 40 | 4 22 | 9 55 | 1 6 | 17 35 | 1 18 | 24 10 | 1 0 | 1 40 | 0 38 | 12 31 | 1 39 | 24 30 | 16 39 | 9 4 | 8 53 | 16 23 | | n.a. |
| T 27 | 23 0 | 10 8 | 4 22 | 15 1 | 2 53 | 10 23 | 4 34 | 10 8 | 1 5 | 17 31 | 1 18 | 24 10 | 1 0 | 1 39 | 0 38 | 12 31 | 1 39 | 24 29 | 16 39 | 9 0 | 8 52 | 16 24 | | n.a. |
| F 28 | 22 53 | 6 5 | 3 40 | 14 45 | 3 2 | 10 6 | 4 45 | 10 21 | 1 4 | 17 27 | 1 18 | 24 9 | 1 0 | 1 38 | 0 38 | 12 31 | 1 39 | 24 28 | 16 38 | 8 58 | 8 51 | 16 25 | | n.a. |
| S 29 | 22 45 | 1 53 | 2 47 | 14 29 | 3 11 | 9 49 | 4 57 | 10 33 | 1 4 | 17 24 | 1 18 | 24 8 | 1 0 | 1 37 | 0 38 | 12 31 | 1 39 | 24 27 | 16 38 | 8 56 | 8 50 | 16 26 | | n.a. |
| S 30 | 22 37 | 2n17 | 1 48 | 14 16 | 3 20 | 9 33 | 5 9 | 10 46 | 1 3 | 17 20 | 1 18 | 24 7 | 1 0 | 1 37 | 0 38 | 12 31 | 1 39 | 24 26 | 16 37 | 8 55 | 8 48 | 16 27 | | n.a. |
| M31 | 22n29 | 6n15 | 0n46 | 14n 4 | 3s28 | 9n18 | 5s21 | 10n58 | 1s 2 | 17n16 | 1n18 | 24n 7 | 1n 0 | 1n36 | 0n38 | 12s31 | 1n39 | 24n25 | 16n37 | 8s55 | 8s47 | 16n28 | | n.a. |

Julian Day Number = 1002061.5, Delta T = 12h50m01s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'39, Lahiri = -31°06'39 Julian Calendar 1 July 1970 BCE == Greg. Calendar 14 June 1970 BCE

The year -1969 astronomical counting style corresponds to year 1970 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## AUGUST 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 29 41 | 20♋24'01 | 25♈48 | 12♌39 | 22♌28 | 1♉15 | 17♌17 | 14♋39 | 27♍32 | 6°R49 | 7♍ 1 | 22°R28 | 22♎ 5 | 23♉52 | n.a. | T 1 |
| W 2 | 19 33 37 | 21°22'40 | 7♉39 | 12°R41 | 22°36 | 1°48 | 17°30 | 14°46 | 27°34 | 6♏48 | 7° 3 | 22♎27 | 22° 1 | 23°58 | n.a. | W 2 |
| T 3 | 19 37 34 | 22°21'20 | 19°27 | 12°36 | 22°42 | 2°20 | 17°42 | 14°54 | 27°36 | 6°48 | 7° 5 | 22°25 | 21°58 | 24° 5 | n.a. | T 3 |
| F 4 | 19 41 30 | 23°20'03 | 1♊17 | 12°25 | 22°46 | 2°53 | 17°55 | 15° 1 | 27°38 | 6°48 | 7° 6 | 22°21 | 21°55 | 24°12 | n.a. | F 4 |
| S 5 | 19 45 27 | 24°18'48 | 13°12 | 12° 7 | 22°R47 | 3°25 | 18° 7 | 15° 9 | 27°40 | 6°48 | 7° 8 | 22°14 | 21°52 | 24°18 | n.a. | S 5 |
| S 6 | 19 49 24 | 25°17'36 | 25°18 | 11°42 | 22°46 | 3°57 | 18°20 | 15°16 | 27°42 | 6°D48 | 7°10 | 22° 4 | 21°49 | 24°25 | n.a. | S 6 |
| M 7 | 19 53 20 | 26°16'26 | 7♋35 | 11°10 | 22°43 | 4°29 | 18°32 | 15°23 | 27°45 | 6°48 | 7°12 | 21°52 | 21°46 | 24°32 | n.a. | M 7 |
| T 8 | 19 57 17 | 27°15'18 | 20° 5 | 10°31 | 22°37 | 5° 1 | 18°45 | 15°31 | 27°47 | 6°48 | 7°14 | 21°39 | 21°42 | 24°38 | n.a. | T 8 |
| W 9 | 20 1 13 | 28°14'13 | 2♌48 | 9°46 | 22°29 | 5°32 | 18°57 | 15°38 | 27°49 | 6°48 | 7°16 | 21°25 | 21°39 | 24°45 | n.a. | W 9 |
| T 10 | 20 5 10 | 29°13'09 | 15°45 | 8°54 | 22°19 | 6° 4 | 19°10 | 15°45 | 27°51 | 6°48 | 7°18 | 21°13 | 21°36 | 24°52 | n.a. | T 10 |
| F 11 | 20 9 6 | 0♌12'08 | 28°54 | 7°56 | 22° 6 | 6°35 | 19°23 | 15°53 | 27°54 | 6°48 | 7°20 | 21° 2 | 21°33 | 24°58 | n.a. | F 11 |
| S 12 | 20 13 3 | 1°11'08 | 12♍13 | 6°55 | 21°51 | 7° 5 | 19°36 | 16° 0 | 27°56 | 6°49 | 7°22 | 20°55 | 21°30 | 25° 5 | n.a. | S 12 |
| S 13 | 20 16 59 | 2°10'11 | 25°43 | 5°49 | 21°34 | 7°36 | 19°48 | 16° 7 | 27°59 | 6°49 | 7°24 | 20°50 | 21°27 | 25°12 | n.a. | S 13 |
| M14 | 20 20 56 | 3° 9'16 | 9♎23 | 4°43 | 21°14 | 8° 6 | 20° 1 | 16°15 | 28° 1 | 6°49 | 7°27 | 20°48 | 21°23 | 25°18 | n.a. | M14 |
| T 15 | 20 24 52 | 4° 8'22 | 23°12 | 3°35 | 20°52 | 8°36 | 20°14 | 16°22 | 28° 4 | 6°49 | 7°29 | 20°D48 | 21°20 | 25°25 | n.a. | T 15 |
| W16 | 20 28 49 | 5° 7'31 | 7♏11 | 2°30 | 20°28 | 9° 6 | 20°27 | 16°29 | 28° 6 | 6°50 | 7°31 | 20°R48 | 21°17 | 25°32 | n.a. | W16 |
| T 17 | 20 32 45 | 6° 6'41 | 21°20 | 1°27 | 20° 2 | 9°36 | 20°40 | 16°36 | 28° 9 | 6°50 | 7°33 | 20°47 | 21°14 | 25°38 | n.a. | T 17 |
| F 18 | 20 36 42 | 7° 5'53 | 5♐37 | 0°30 | 19°34 | 10° 5 | 20°53 | 16°43 | 28°12 | 6°50 | 7°35 | 20°44 | 21°11 | 25°45 | n.a. | F 18 |
| S 19 | 20 40 39 | 8° 5'08 | 20° 1 | 29♋39 | 19° 4 | 10°34 | 21° 6 | 16°50 | 28°14 | 6°51 | 7°37 | 20°39 | 21° 7 | 25°52 | n.a. | S 19 |
| S 20 | 20 44 35 | 9° 4'24 | 4♑26 | 28°56 | 18°33 | 11° 3 | 21°19 | 16°58 | 28°17 | 6°51 | 7°39 | 20°31 | 21° 4 | 25°58 | n.a. | S 20 |
| M21 | 20 48 32 | 10° 3'42 | 18°49 | 28°22 | 18° 0 | 11°31 | 21°32 | 17° 5 | 28°20 | 6°52 | 7°42 | 20°21 | 21° 1 | 26° 5 | n.a. | M21 |
| T 22 | 20 52 28 | 11° 3'03 | 3♒ 3 | 27°57 | 17°26 | 12° 0 | 21°45 | 17°12 | 28°23 | 6°52 | 7°44 | 20°10 | 20°58 | 26°12 | n.a. | T 22 |
| W23 | 20 56 25 | 12° 2'25 | 17° 2 | 27°44 | 16°51 | 12°28 | 21°58 | 17°19 | 28°25 | 6°53 | 7°46 | 19°59 | 20°55 | 26°18 | n.a. | W23 |
| T 24 | 21 0 21 | 13° 1'50 | 0♓41 | 27°D41 | 16°15 | 12°55 | 22°11 | 17°26 | 28°28 | 6°53 | 7°48 | 19°50 | 20°52 | 26°25 | n.a. | T 24 |
| F 25 | 21 4 18 | 14° 1'17 | 13°58 | 27°48 | 15°39 | 13°23 | 22°24 | 17°33 | 28°31 | 6°54 | 7°51 | 19°42 | 20°48 | 26°32 | n.a. | F 25 |
| S 26 | 21 8 14 | 15° 0'47 | 26°52 | 28° 6 | 15° 3 | 13°50 | 22°37 | 17°40 | 28°34 | 6°55 | 7°53 | 19°37 | 20°45 | 26°38 | n.a. | S 26 |
| S 27 | 21 12 11 | 16° 0'18 | 9♈25 | 28°34 | 14°26 | 14°17 | 22°50 | 17°46 | 28°37 | 6°55 | 7°55 | 19°35 | 20°42 | 26°45 | n.a. | S 27 |
| M28 | 21 16 7 | 16°59'53 | 21°41 | 29°12 | 13°50 | 14°43 | 23° 3 | 17°53 | 28°40 | 6°56 | 7°58 | 19°D34 | 20°39 | 26°52 | n.a. | M28 |
| T 29 | 21 20 4 | 17°59'29 | 3♉42 | 29°58 | 13°14 | 15° 9 | 23°16 | 18° 0 | 28°43 | 6°57 | 8° 0 | 19°35 | 20°36 | 26°58 | n.a. | T 29 |
| W30 | 21 24 1 | 18°59'08 | 15°34 | 0♌53 | 12°39 | 15°35 | 23°29 | 18° 7 | 28°46 | 6°58 | 8° 2 | 19°R36 | 20°33 | 27° 5 | n.a. | W30 |
| T 31 | 21 27 57 | 19♌58'50 | 27♉24 | 1♌55 | 12♌ 4 | 16♉ 1 | 23♌43 | 18♋14 | 28♍49 | 6♏58 | 8♍ 5 | 19♎35 | 20♎29 | 27♉12 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n20 | 9n53 | 0s18 | 13n55 | 3s35 | 9n 3 | 5s33 | 11n11 | 1s 2 | 17n12 | 1n18 | 24n 6 | 1n 1 | 1n35 | 0n38 | 12s31 | 1n39 | 24n23 | 16n36 | 8s55 | 8s46 | 16n29 | | n.a. | |
| W 2 | 22 11 | 13 5 | 1 20 | 13 48 | 3 42 | 8 50 | 5 45 | 11 23 | 1 1 | 17 8 | 1 18 | 24 5 | 1 1 | 1 34 | 0 38 | 12 31 | 1 38 | 24 22 | 16 36 | 8 54 | 8 45 | 16 30 | | n.a. | |
| T 3 | 22 1 | 15 44 | 2 18 | 13 43 | 3 48 | 8 36 | 5 57 | 11 35 | 1 0 | 17 4 | 1 18 | 24 4 | 1 1 | 1 33 | 0 38 | 12 31 | 1 38 | 24 21 | 16 36 | 8 54 | 8 44 | 16 31 | | n.a. | |
| F 4 | 21 51 | 17 44 | 3 10 | 13 42 | 3 53 | 8 24 | 6 9 | 11 47 | 0 59 | 17 0 | 1 18 | 24 4 | 1 1 | 1 32 | 0 38 | 12 31 | 1 38 | 24 20 | 16 35 | 8 52 | 8 42 | 16 32 | | n.a. | |
| S 5 | 21 41 | 18 58 | 3 54 | 13 43 | 3 56 | 8 12 | 6 21 | 11 59 | 0 59 | 16 56 | 1 18 | 24 3 | 1 1 | 1 31 | 0 38 | 12 31 | 1 38 | 24 19 | 16 35 | 8 49 | 8 41 | 16 33 | | n.a. | |
| S 6 | 21 30 | 19 21 | 4 29 | 13 48 | 3 59 | 8 1 | 6 32 | 12 11 | 0 58 | 16 52 | 1 18 | 24 2 | 1 1 | 1 31 | 0 38 | 12 31 | 1 38 | 24 18 | 16 34 | 8 46 | 8 40 | 16 34 | | n.a. | |
| M 7 | 21 19 | 18 51 | 4 51 | 13 56 | 4 0 | 7 52 | 6 44 | 12 23 | 0 57 | 16 48 | 1 18 | 24 1 | 1 1 | 1 30 | 0 38 | 12 31 | 1 38 | 24 17 | 16 34 | 8 41 | 8 39 | 16 35 | | n.a. | |
| T 8 | 21 8 | 17 26 | 5 0 | 14 7 | 4 0 | 7 43 | 6 55 | 12 34 | 0 56 | 16 44 | 1 18 | 24 1 | 1 1 | 1 29 | 0 38 | 12 31 | 1 38 | 24 16 | 16 34 | 8 36 | 8 37 | 16 35 | | n.a. | |
| W 9 | 20 56 | 15 9 | 4 54 | 14 21 | 3 58 | 7 35 | 7 7 | 12 45 | 0 56 | 16 40 | 1 17 | 24 0 | 1 1 | 1 28 | 0 38 | 12 31 | 1 38 | 24 15 | 16 33 | 8 31 | 8 36 | 16 36 | | n.a. | |
| T 10 | 20 43 | 12 5 | 4 34 | 14 39 | 3 53 | 7 28 | 7 17 | 12 57 | 0 55 | 16 36 | 1 17 | 23 59 | 1 1 | 1 27 | 0 38 | 12 31 | 1 38 | 24 13 | 16 33 | 8 26 | 8 35 | 16 37 | | n.a. | |
| F 11 | 20 31 | 8 23 | 3 58 | 14 59 | 3 47 | 7 22 | 7 28 | 13 8 | 0 54 | 16 32 | 1 17 | 23 58 | 1 1 | 1 26 | 0 38 | 12 31 | 1 38 | 24 12 | 16 33 | 8 22 | 8 34 | 16 38 | | n.a. | |
| S 12 | 20 18 | 4 12 | 3 9 | 15 23 | 3 39 | 7 17 | 7 38 | 13 19 | 0 53 | 16 27 | 1 17 | 23 57 | 1 2 | 1 25 | 0 38 | 12 31 | 1 38 | 24 11 | 16 32 | 8 19 | 8 33 | 16 39 | | n.a. | |
| S 13 | 20 4 | 0s14 | 2 9 | 15 49 | 3 29 | 7 13 | 7 48 | 13 30 | 0 52 | 16 23 | 1 17 | 23 57 | 1 2 | 1 24 | 0 38 | 12 31 | 1 38 | 24 10 | 16 32 | 8 18 | 8 31 | 16 40 | | n.a. | |
| M14 | 19 51 | 4 42 | 1 0 | 16 17 | 3 17 | 7 11 | 7 57 | 13 41 | 0 52 | 16 19 | 1 17 | 23 56 | 1 2 | 1 23 | 0 38 | 12 32 | 1 38 | 24 9 | 16 32 | 8 17 | 8 30 | 16 41 | | n.a. | |
| T 15 | 19 36 | 9 0 | 0n13 | 16 46 | 3 3 | 7 9 | 8 6 | 13 51 | 0 51 | 16 15 | 1 17 | 23 55 | 1 2 | 1 22 | 0 38 | 12 32 | 1 38 | 24 8 | 16 31 | 8 17 | 8 29 | 16 42 | | n.a. | |
| W16 | 19 22 | 12 50 | 1 26 | 17 17 | 2 47 | 7 9 | 8 14 | 14 2 | 0 50 | 16 11 | 1 17 | 23 54 | 1 2 | 1 21 | 0 38 | 12 32 | 1 38 | 24 7 | 16 31 | 8 17 | 8 28 | 16 43 | | n.a. | |
| T 17 | 19 7 | 15 58 | 2 34 | 17 48 | 2 30 | 7 10 | 8 22 | 14 12 | 0 49 | 16 6 | 1 17 | 23 53 | 1 2 | 1 19 | 0 38 | 12 32 | 1 38 | 24 6 | 16 31 | 8 16 | 8 27 | 16 44 | | n.a. | |
| F 18 | 18 52 | 18 10 | 3 34 | 18 18 | 2 12 | 7 12 | 8 28 | 14 22 | 0 48 | 16 2 | 1 17 | 23 53 | 1 2 | 1 18 | 0 38 | 12 32 | 1 37 | 24 4 | 16 30 | 8 15 | 8 25 | 16 44 | | n.a. | |
| S 19 | 18 37 | 19 12 | 4 21 | 18 48 | 1 53 | 7 15 | 8 35 | 14 33 | 0 47 | 15 58 | 1 17 | 23 52 | 1 2 | 1 17 | 0 38 | 12 32 | 1 37 | 24 3 | 16 30 | 8 13 | 8 24 | 16 45 | | n.a. | |
| S 20 | 18 21 | 19 0 | 4 51 | 19 16 | 1 33 | 7 20 | 8 40 | 14 43 | 0 46 | 15 54 | 1 17 | 23 51 | 1 2 | 1 16 | 0 38 | 12 33 | 1 37 | 24 2 | 16 30 | 8 10 | 8 23 | 16 46 | | n.a. | |
| M21 | 18 5 | 17 35 | 5 2 | 19 42 | 1 13 | 7 26 | 8 44 | 14 52 | 0 45 | 15 49 | 1 17 | 23 50 | 1 3 | 1 15 | 0 38 | 12 33 | 1 37 | 24 1 | 16 29 | 8 6 | 8 22 | 16 47 | | n.a. | |
| T 22 | 17 48 | 15 5 | 4 55 | 20 6 | 0 54 | 7 32 | 8 48 | 15 2 | 0 44 | 15 45 | 1 17 | 23 49 | 1 3 | 1 14 | 0 38 | 12 33 | 1 37 | 24 0 | 16 29 | 8 2 | 8 20 | 16 48 | | n.a. | |
| W23 | 17 31 | 11 46 | 4 30 | 20 28 | 0 35 | 7 40 | 8 51 | 15 12 | 0 43 | 15 41 | 1 17 | 23 49 | 1 3 | 1 13 | 0 37 | 12 33 | 1 37 | 23 59 | 16 29 | 7 58 | 8 19 | 16 49 | | n.a. | |
| T 24 | 17 14 | 7 53 | 3 50 | 20 47 | 0 16 | 7 49 | 8 52 | 15 21 | 0 42 | 15 36 | 1 17 | 23 48 | 1 3 | 1 11 | 0 37 | 12 34 | 1 37 | 23 58 | 16 29 | 7 54 | 8 18 | 16 50 | | n.a. | |
| F 25 | 16 57 | 3 42 | 2 58 | 21 2 | 0n 1 | 7 59 | 8 53 | 15 31 | 0 41 | 15 32 | 1 17 | 23 47 | 1 3 | 1 10 | 0 37 | 12 34 | 1 37 | 23 57 | 16 28 | 7 51 | 8 17 | 16 51 | | n.a. | |
| S 26 | 16 39 | 0n32 | 1 58 | 21 14 | 0 18 | 8 9 | 8 53 | 15 40 | 0 40 | 15 28 | 1 17 | 23 46 | 1 3 | 1 9 | 0 37 | 12 34 | 1 37 | 23 56 | 16 28 | 7 50 | 8 16 | 16 51 | | n.a. | |
| S 27 | 16 21 | 4 38 | 0 54 | 21 24 | 0 33 | 8 21 | 8 52 | 15 49 | 0 39 | 15 23 | 1 17 | 23 45 | 1 3 | 1 8 | 0 37 | 12 34 | 1 37 | 23 54 | 16 28 | 7 49 | 8 14 | 16 52 | | n.a. | |
| M28 | 16 3 | 8 26 | 0s11 | 21 29 | 0 47 | 8 33 | 8 50 | 15 58 | 0 38 | 15 19 | 1 17 | 23 45 | 1 3 | 1 7 | 0 37 | 12 35 | 1 37 | 23 53 | 16 28 | 7 48 | 8 13 | 16 53 | | n.a. | |
| T 29 | 15 45 | 11 50 | 1 15 | 21 32 | 0 59 | 8 46 | 8 47 | 16 7 | 0 37 | 15 14 | 1 17 | 23 44 | 1 4 | 1 5 | 0 37 | 12 35 | 1 37 | 23 52 | 16 28 | 7 49 | 8 12 | 16 54 | | n.a. | |
| W30 | 15 26 | 14 41 | 2 15 | 21 31 | 1 11 | 9 0 | 8 43 | 16 16 | 0 36 | 15 10 | 1 17 | 23 43 | 1 4 | 1 4 | 0 37 | 12 35 | 1 37 | 23 51 | 16 27 | 7 49 | 8 11 | 16 55 | | n.a. | |
| T 31 | 15n 7 | 16n55 | 3s 8 | 21n26 | 1n21 | 9n14 | 8s38 | 16n24 | 0s35 | 15n 6 | 1n17 | 23n42 | 1n 4 | 1n 3 | 0n37 | 12s36 | 1n37 | 23n50 | 16n27 | 7s49 | 8s10 | 16n56 | | n.a. | |

Julian Day Number = 1002092.5, Delta T = 12h49m58s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'35, Lahiri = -31°06'35 Julian Calendar 1 Aug. 1970 BCE == Greg. Calendar 15 July 1970 BCE

The year -1969 astronomical counting style corresponds to year 1970 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## SEPTEMBER 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 31 54 | 20♌58'34 | 9♊15 | 3♌ 3 | 11°R31 | 16♉26 | 23♌56 | 18♋20 | 28♍52 | 6♏59 | 8♍ 7 | 19°R33 | 20♎26 | 27♉18 | n.a. | F 1 |
| S 2 | 21 35 50 | 21°58'21 | 21°13 | 4°17 | 11♌ 0 | 16°51 | 24° 9 | 18°27 | 28°55 | 7° 0 | 8° 9 | 19♎29 | 20°23 | 27°25 | n.a. | S 2 |
| S 3 | 21 39 47 | 22°58'10 | 3♋22 | 5°35 | 10°29 | 17°16 | 24°22 | 18°34 | 28°59 | 7° 1 | 8°12 | 19°23 | 20°20 | 27°32 | n.a. | S 3 |
| M 4 | 21 43 43 | 23°58'01 | 15°47 | 6°59 | 10° 1 | 17°40 | 24°35 | 18°40 | 29° 2 | 7° 2 | 8°14 | 19°14 | 20°17 | 27°38 | n.a. | M 4 |
| T 5 | 21 47 40 | 24°57'54 | 28°28 | 8°25 | 9°34 | 18° 4 | 24°48 | 18°47 | 29° 5 | 7° 3 | 8°16 | 19° 5 | 20°13 | 27°45 | n.a. | T 5 |
| W 6 | 21 51 36 | 25°57'50 | 11♌27 | 9°55 | 9°10 | 18°27 | 25° 2 | 18°53 | 29° 8 | 7° 4 | 8°19 | 18°55 | 20°10 | 27°52 | n.a. | W 6 |
| T 7 | 21 55 33 | 26°57'48 | 24°44 | 11°27 | 8°47 | 18°50 | 25°15 | 19° 0 | 29°12 | 7° 5 | 8°21 | 18°46 | 20° 7 | 27°58 | n.a. | T 7 |
| F 8 | 21 59 29 | 27°57'48 | 8♍16 | 13° 2 | 8°27 | 19°13 | 25°28 | 19° 6 | 29°15 | 7° 6 | 8°24 | 18°38 | 20° 4 | 28° 5 | n.a. | F 8 |
| S 9 | 22 3 26 | 28°57'50 | 22° 1 | 14°38 | 8° 9 | 19°35 | 25°41 | 19°12 | 29°18 | 7° 7 | 8°26 | 18°33 | 20° 1 | 28°12 | n.a. | S 9 |
| S 10 | 22 7 23 | 29°57'54 | 5♎55 | 16°15 | 7°53 | 19°57 | 25°54 | 19°19 | 29°22 | 7° 8 | 8°28 | 18°30 | 19°58 | 28°18 | n.a. | S 10 |
| M11 | 22 11 19 | 0♍58'00 | 19°56 | 17°54 | 7°40 | 20°18 | 26° 7 | 19°25 | 29°25 | 7° 9 | 8°31 | 18°D29 | 19°54 | 28°25 | n.a. | M11 |
| T 12 | 22 15 16 | 1°58'08 | 4♏ 2 | 19°33 | 7°29 | 20°39 | 26°21 | 19°31 | 29°28 | 7°10 | 8°33 | 18°30 | 19°51 | 28°32 | n.a. | T 12 |
| W13 | 22 19 12 | 2°58'18 | 18°10 | 21°12 | 7°20 | 21° 0 | 26°34 | 19°37 | 29°32 | 7°12 | 8°36 | 18°31 | 19°48 | 28°38 | n.a. | W13 |
| T 14 | 22 23 9 | 3°58'29 | 2♐18 | 22°53 | 7°14 | 21°20 | 26°47 | 19°43 | 29°35 | 7°13 | 8°38 | 18°R32 | 19°45 | 28°45 | n.a. | T 14 |
| F 15 | 22 27 5 | 4°58'42 | 16°26 | 24°33 | 7°11 | 21°40 | 27° 0 | 19°49 | 29°39 | 7°14 | 8°41 | 18°31 | 19°42 | 28°52 | n.a. | F 15 |
| S 16 | 22 31 2 | 5°58'57 | 0♑32 | 26°13 | 7°D10 | 21°59 | 27°13 | 19°55 | 29°42 | 7°15 | 8°43 | 18°29 | 19°38 | 28°58 | n.a. | S 16 |
| S 17 | 22 34 58 | 6°59'13 | 14°34 | 27°53 | 7°11 | 22°18 | 27°26 | 20° 1 | 29°46 | 7°17 | 8°45 | 18°25 | 19°35 | 29° 5 | n.a. | S 17 |
| M18 | 22 38 55 | 7°59'31 | 28°29 | 29°34 | 7°14 | 22°36 | 27°39 | 20° 7 | 29°49 | 7°18 | 8°48 | 18°19 | 19°32 | 29°12 | n.a. | M18 |
| T 19 | 22 42 52 | 8°59'51 | 12♒14 | 1♍14 | 7°20 | 22°54 | 27°52 | 20°12 | 29°53 | 7°20 | 8°50 | 18°12 | 19°29 | 29°19 | n.a. | T 19 |
| W20 | 22 46 48 | 10° 0'13 | 25°47 | 2°54 | 7°28 | 23°11 | 28° 5 | 20°18 | 29°56 | 7°21 | 8°53 | 18° 5 | 19°26 | 29°25 | n.a. | W20 |
| T 21 | 22 50 45 | 11° 0'36 | 9♓ 5 | 4°33 | 7°39 | 23°28 | 28°18 | 20°24 | 29°59 | 7°22 | 8°55 | 18° 0 | 19°23 | 29°32 | n.a. | T 21 |
| F 22 | 22 54 41 | 12° 1'01 | 22° 6 | 6°12 | 7°52 | 23°44 | 28°31 | 20°29 | 0♎ 3 | 7°24 | 8°58 | 17°55 | 19°19 | 29°39 | n.a. | F 22 |
| S 23 | 22 58 38 | 13° 1'28 | 4♈49 | 7°51 | 8° 6 | 24° 0 | 28°44 | 20°35 | 0° 7 | 7°25 | 9° 0 | 17°53 | 19°16 | 29°45 | n.a. | S 23 |
| S 24 | 23 2 34 | 14° 1'57 | 17°16 | 9°30 | 8°23 | 24°16 | 28°57 | 20°40 | 0°11 | 7°27 | 9° 3 | 17°D52 | 19°13 | 29°52 | n.a. | S 24 |
| M25 | 23 6 31 | 15° 2'28 | 29°29 | 11° 8 | 8°42 | 24°30 | 29°10 | 20°46 | 0°14 | 7°28 | 9° 5 | 17°52 | 19°10 | 29°59 | n.a. | M25 |
| T 26 | 23 10 27 | 16° 3'00 | 11♉29 | 12°46 | 9° 3 | 24°44 | 29°23 | 20°51 | 0°18 | 7°30 | 9° 7 | 17°54 | 19° 7 | 0♊ 5 | n.a. | T 26 |
| W27 | 23 14 24 | 17° 3'35 | 23°22 | 14°24 | 9°26 | 24°58 | 29°36 | 20°56 | 0°22 | 7°32 | 9°10 | 17°56 | 19° 4 | 0°12 | n.a. | W27 |
| T 28 | 23 18 20 | 18° 4'12 | 5♊12 | 16° 1 | 9°50 | 25°11 | 29°49 | 21° 1 | 0°25 | 7°33 | 9°12 | 17°57 | 19° 0 | 0°19 | n.a. | T 28 |
| F 29 | 23 22 17 | 19° 4'51 | 17° 3 | 17°38 | 10°17 | 25°23 | 0♍ 2 | 21° 6 | 0°29 | 7°35 | 9°15 | 17°R58 | 18°57 | 0°25 | n.a. | F 29 |
| S 30 | 23 26 14 | 20♍ 5'32 | 29♊ 1 | 19♍14 | 10♌45 | 25♉35 | 0♍15 | 21♋11 | 0♎33 | 7♏36 | 9♍17 | 17♎58 | 18♎54 | 0♊32 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14n47 | 18n26 | 3s54 | 21n19 | 1n29 | 9n28 | 8s32 | 16n33 | 0s34 | 15n 1 | 1n17 | 23n41 | 1n 4 | 1n 1 | 0n37 | 12s36 | 1n37 | 23n49 | 16n27 | 7s48 | 8s 8 | 16n56 | | n.a. |
| S 2 | 14 28 | 19 8 | 4 30 | 21 8 | 1 37 | 9 43 | 8 25 | 16 41 | 0 33 | 14 57 | 1 17 | 23 41 | 1 4 | 1 0 | 0 37 | 12 36 | 1 37 | 23 48 | 16 27 | 7 46 | 8 7 | 16 57 | | n.a. |
| S 3 | 14 8 | 18 58 | 4 54 | 20 55 | 1 43 | 9 58 | 8 18 | 16 49 | 0 32 | 14 52 | 1 17 | 23 40 | 1 4 | 0 59 | 0 37 | 12 37 | 1 36 | 23 47 | 16 27 | 7 44 | 8 6 | 16 58 | | n.a. |
| M 4 | 13 48 | 17 55 | 5 5 | 20 39 | 1 48 | 10 14 | 8 10 | 16 57 | 0 31 | 14 48 | 1 17 | 23 39 | 1 4 | 0 58 | 0 37 | 12 37 | 1 36 | 23 46 | 16 27 | 7 41 | 8 5 | 16 59 | | n.a. |
| T 5 | 13 28 | 15 57 | 5 2 | 20 20 | 1 52 | 10 29 | 8 1 | 17 5 | 0 29 | 14 43 | 1 17 | 23 38 | 1 5 | 0 56 | 0 37 | 12 37 | 1 36 | 23 45 | 16 26 | 7 37 | 8 3 | 17 0 | | n.a. |
| W 6 | 13 7 | 13 10 | 4 43 | 19 58 | 1 56 | 10 45 | 7 51 | 17 13 | 0 28 | 14 39 | 1 17 | 23 37 | 1 5 | 0 55 | 0 37 | 12 38 | 1 36 | 23 44 | 16 26 | 7 33 | 8 2 | 17 1 | | n.a. |
| T 7 | 12 46 | 9 39 | 4 8 | 19 34 | 1 58 | 11 0 | 7 41 | 17 20 | 0 27 | 14 34 | 1 17 | 23 37 | 1 5 | 0 54 | 0 37 | 12 38 | 1 36 | 23 43 | 16 26 | 7 30 | 8 1 | 17 1 | | n.a. |
| F 8 | 12 25 | 5 34 | 3 19 | 19 8 | 1 59 | 11 16 | 7 31 | 17 28 | 0 26 | 14 30 | 1 17 | 23 36 | 1 5 | 0 52 | 0 37 | 12 39 | 1 36 | 23 41 | 16 26 | 7 27 | 8 0 | 17 2 | | n.a. |
| S 9 | 12 4 | 1 8 | 2 18 | 18 40 | 2 0 | 11 31 | 7 20 | 17 35 | 0 24 | 14 25 | 1 17 | 23 35 | 1 5 | 0 51 | 0 37 | 12 39 | 1 36 | 23 40 | 16 26 | 7 25 | 7 59 | 17 3 | | n.a. |
| S 10 | 11 43 | 3s25 | 1 7 | 18 11 | 2 0 | 11 46 | 7 9 | 17 43 | 0 23 | 14 21 | 1 17 | 23 34 | 1 5 | 0 49 | 0 37 | 12 39 | 1 36 | 23 39 | 16 26 | 7 23 | 7 57 | 17 4 | | n.a. |
| M11 | 11 21 | 7 50 | 0n 8 | 17 39 | 1 59 | 12 0 | 6 57 | 17 50 | 0 22 | 14 16 | 1 17 | 23 34 | 1 5 | 0 48 | 0 37 | 12 40 | 1 36 | 23 38 | 16 26 | 7 23 | 7 56 | 17 5 | | n.a. |
| T 12 | 10 59 | 11 49 | 1 23 | 17 6 | 1 57 | 12 15 | 6 45 | 17 57 | 0 21 | 14 11 | 1 17 | 23 33 | 1 6 | 0 47 | 0 37 | 12 40 | 1 36 | 23 37 | 16 26 | 7 23 | 7 55 | 17 5 | | n.a. |
| W13 | 10 37 | 15 8 | 2 34 | 16 32 | 1 55 | 12 29 | 6 33 | 18 3 | 0 19 | 14 7 | 1 17 | 23 32 | 1 6 | 0 45 | 0 37 | 12 41 | 1 36 | 23 36 | 16 26 | 7 24 | 7 54 | 17 6 | | n.a. |
| T 14 | 10 15 | 17 32 | 3 35 | 15 56 | 1 53 | 12 42 | 6 20 | 18 10 | 0 18 | 14 2 | 1 17 | 23 31 | 1 6 | 0 44 | 0 37 | 12 41 | 1 36 | 23 35 | 16 25 | 7 24 | 7 52 | 17 7 | | n.a. |
| F 15 | 9 52 | 18 51 | 4 23 | 15 19 | 1 50 | 12 55 | 6 7 | 18 17 | 0 16 | 13 58 | 1 17 | 23 31 | 1 6 | 0 42 | 0 37 | 12 42 | 1 36 | 23 34 | 16 25 | 7 24 | 7 51 | 17 8 | | n.a. |
| S 16 | 9 30 | 19 0 | 4 55 | 14 42 | 1 46 | 13 8 | 5 55 | 18 23 | 0 15 | 13 53 | 1 17 | 23 30 | 1 6 | 0 41 | 0 37 | 12 42 | 1 36 | 23 33 | 16 25 | 7 23 | 7 50 | 17 9 | | n.a. |
| S 17 | 9 7 | 17 59 | 5 9 | 14 3 | 1 43 | 13 20 | 5 42 | 18 30 | 0 14 | 13 49 | 1 17 | 23 29 | 1 6 | 0 40 | 0 37 | 12 43 | 1 36 | 23 32 | 16 25 | 7 21 | 7 49 | 17 9 | | n.a. |
| M18 | 8 44 | 15 54 | 5 5 | 13 23 | 1 39 | 13 32 | 5 29 | 18 36 | 0 12 | 13 44 | 1 17 | 23 28 | 1 6 | 0 38 | 0 37 | 12 43 | 1 36 | 23 31 | 16 25 | 7 19 | 7 48 | 17 10 | | n.a. |
| T 19 | 8 21 | 12 56 | 4 43 | 12 43 | 1 34 | 13 43 | 5 16 | 18 42 | 0 11 | 13 40 | 1 17 | 23 28 | 1 7 | 0 37 | 0 37 | 12 44 | 1 36 | 23 30 | 16 25 | 7 17 | 7 46 | 17 11 | | n.a. |
| W20 | 7 58 | 9 20 | 4 6 | 12 2 | 1 29 | 13 53 | 5 3 | 18 48 | 0 9 | 13 35 | 1 17 | 23 27 | 1 7 | 0 35 | 0 37 | 12 44 | 1 35 | 23 29 | 16 25 | 7 14 | 7 45 | 17 12 | | n.a. |
| T 21 | 7 35 | 5 19 | 3 16 | 11 20 | 1 24 | 14 3 | 4 51 | 18 53 | 0 8 | 13 30 | 1 18 | 23 26 | 1 7 | 0 34 | 0 37 | 12 45 | 1 35 | 23 28 | 16 25 | 7 12 | 7 44 | 17 13 | | n.a. |
| F 22 | 7 11 | 1 7 | 2 16 | 10 38 | 1 19 | 14 12 | 4 38 | 18 59 | 0 6 | 13 26 | 1 18 | 23 26 | 1 7 | 0 32 | 0 37 | 12 45 | 1 35 | 23 27 | 16 25 | 7 10 | 7 43 | 17 13 | | n.a. |
| S 23 | 6 48 | 3n 2 | 1 11 | 9 56 | 1 14 | 14 20 | 4 25 | 19 5 | 0 4 | 13 21 | 1 18 | 23 25 | 1 7 | 0 31 | 0 37 | 12 46 | 1 35 | 23 26 | 16 25 | 7 9 | 7 41 | 17 14 | | n.a. |
| S 24 | 6 24 | 6 58 | 0 3 | 9 13 | 1 8 | 14 28 | 4 13 | 19 10 | 0 3 | 13 17 | 1 18 | 23 24 | 1 7 | 0 29 | 0 37 | 12 46 | 1 35 | 23 25 | 16 25 | 7 9 | 7 40 | 17 15 | | n.a. |
| M25 | 6 0 | 10 32 | 1s 3 | 8 29 | 1 2 | 14 35 | 4 0 | 19 15 | 0 1 | 13 12 | 1 18 | 23 24 | 1 8 | 0 28 | 0 37 | 12 47 | 1 35 | 23 25 | 16 25 | 7 9 | 7 39 | 17 16 | | n.a. |
| T 26 | 5 37 | 13 35 | 2 6 | 7 46 | 0 57 | 14 41 | 3 48 | 19 20 | 0n 0 | 13 8 | 1 18 | 23 23 | 1 8 | 0 26 | 0 37 | 12 48 | 1 35 | 23 24 | 16 25 | 7 9 | 7 38 | 17 16 | | n.a. |
| W27 | 5 13 | 16 3 | 3 2 | 7 2 | 0 51 | 14 47 | 3 36 | 19 25 | 0 2 | 13 3 | 1 18 | 23 22 | 1 8 | 0 25 | 0 37 | 12 48 | 1 35 | 23 23 | 16 25 | 7 10 | 7 36 | 17 17 | | n.a. |
| T 28 | 4 48 | 17 48 | 3 51 | 6 18 | 0 44 | 14 52 | 3 24 | 19 30 | 0 4 | 12 58 | 1 18 | 23 22 | 1 8 | 0 23 | 0 37 | 12 49 | 1 35 | 23 22 | 16 25 | 7 11 | 7 35 | 17 18 | | n.a. |
| F 29 | 4 24 | 18 48 | 4 30 | 5 34 | 0 38 | 14 56 | 3 12 | 19 35 | 0 6 | 12 54 | 1 18 | 23 21 | 1 8 | 0 22 | 0 37 | 12 49 | 1 35 | 23 21 | 16 26 | 7 11 | 7 34 | 17 19 | | n.a. |
| S 30 | 4n 0 | 18n58 | 4s57 | 4n50 | 0n32 | 15n 0 | 3s 0 | 19n40 | 0n 7 | 12n49 | 1n18 | 23n20 | 1n 9 | 0n20 | 0n37 | 12s50 | 1n35 | 23n20 | 16n26 | 7s11 | 7s33 | 17n19 | | n.a. |

Julian Day Number = 1002123.5, Delta T = 12h49m56s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'31, Lahiri = -31°06'30 Julian Calendar 1 Sept. 1970 BCE == Greg. Calendar 15 Aug. 1970 BCE


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## OCTOBER 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 30 10 | 21♍ 6'14 | 11♋10 | 20♍51 | 11♌14 | 25♉46 | 0♍27 | 21♋16 | 0♎36 | 7♏38 | 9♍19 | 17°R56 | 18♎51 | 0♊39 | n.a. | S 1 |
| M 2 | 23 34 7 | 22° 6'59 | 23°36 | 22°27 | 11°46 | 25°57 | 0°40 | 21°21 | 0°40 | 7°40 | 9°22 | 17♎53 | 18°48 | 0°45 | n.a. | M 2 |
| T 3 | 23 38 3 | 23° 7'45 | 6♌21 | 24° 2 | 12°18 | 26° 7 | 0°53 | 21°26 | 0°44 | 7°42 | 9°24 | 17°50 | 18°44 | 0°52 | n.a. | T 3 |
| W 4 | 23 42 0 | 24° 8'33 | 19°27 | 25°38 | 12°53 | 26°16 | 1° 6 | 21°31 | 0°47 | 7°43 | 9°27 | 17°46 | 18°41 | 0°59 | n.a. | W 4 |
| T 5 | 23 45 56 | 25° 9'23 | 2♍56 | 27°13 | 13°28 | 26°24 | 1°18 | 21°35 | 0°51 | 7°45 | 9°29 | 17°42 | 18°38 | 1° 5 | n.a. | T 5 |
| F 6 | 23 49 53 | 26°10'14 | 16°46 | 28°48 | 14° 5 | 26°32 | 1°31 | 21°40 | 0°55 | 7°47 | 9°31 | 17°39 | 18°35 | 1°12 | n.a. | F 6 |
| S 7 | 23 53 49 | 27°11'07 | 0♎54 | 0♎22 | 14°44 | 26°39 | 1°43 | 21°44 | 0°59 | 7°49 | 9°34 | 17°37 | 18°32 | 1°19 | n.a. | S 7 |
| S 8 | 23 57 46 | 28°12'01 | 15°16 | 1°57 | 15°23 | 26°46 | 1°56 | 21°49 | 1° 2 | 7°51 | 9°36 | 17°D37 | 18°29 | 1°25 | n.a. | S 8 |
| M 9 | 0 1 42 | 29°12'57 | 29°46 | 3°31 | 16° 4 | 26°51 | 2° 8 | 21°53 | 1° 6 | 7°52 | 9°38 | 17°37 | 18°25 | 1°32 | n.a. | M 9 |
| T 10 | 0 5 39 | 0♎13'53 | 14♏18 | 5° 5 | 16°46 | 26°56 | 2°21 | 21°57 | 1°10 | 7°54 | 9°41 | 17°38 | 18°22 | 1°39 | n.a. | T 10 |
| W11 | 0 9 36 | 1°14'51 | 28°48 | 6°39 | 17°29 | 27° 1 | 2°33 | 22° 1 | 1°13 | 7°56 | 9°43 | 17°39 | 18°19 | 1°45 | n.a. | W11 |
| T 12 | 0 13 32 | 2°15'50 | 13♐10 | 8°13 | 18°13 | 27° 4 | 2°45 | 22° 5 | 1°17 | 7°58 | 9°45 | 17°40 | 18°16 | 1°52 | n.a. | T 12 |
| F 13 | 0 17 29 | 3°16'50 | 27°23 | 9°46 | 18°58 | 27° 7 | 2°58 | 22° 9 | 1°21 | 8° 0 | 9°48 | 17°R41 | 18°13 | 1°59 | n.a. | F 13 |
| S 14 | 0 21 25 | 4°17'51 | 11♑24 | 11°20 | 19°45 | 27° 9 | 3°10 | 22°13 | 1°25 | 8° 2 | 9°50 | 17°41 | 18° 9 | 2° 6 | n.a. | S 14 |
| S 15 | 0 25 22 | 5°18'53 | 25°11 | 12°53 | 20°32 | 27°10 | 3°22 | 22°17 | 1°28 | 8° 4 | 9°52 | 17°40 | 18° 6 | 2°12 | n.a. | S 15 |
| M16 | 0 29 18 | 6°19'56 | 8♒45 | 14°26 | 21°20 | 27°R10 | 3°34 | 22°20 | 1°32 | 8° 6 | 9°54 | 17°39 | 18° 3 | 2°19 | n.a. | M16 |
| T 17 | 0 33 15 | 7°20'59 | 22° 5 | 15°59 | 22° 9 | 27°10 | 3°46 | 22°24 | 1°36 | 8° 8 | 9°57 | 17°38 | 18° 0 | 2°26 | n.a. | T 17 |
| W18 | 0 37 12 | 8°22'03 | 5♓11 | 17°32 | 22°58 | 27° 9 | 3°58 | 22°27 | 1°40 | 8°10 | 9°59 | 17°36 | 17°57 | 2°32 | n.a. | W18 |
| T 19 | 0 41 8 | 9°23'09 | 18° 5 | 19° 5 | 23°49 | 27° 7 | 4°10 | 22°31 | 1°43 | 8°12 | 10° 1 | 17°35 | 17°54 | 2°39 | n.a. | T 19 |
| F 20 | 0 45 5 | 10°24'15 | 0♈45 | 20°38 | 24°41 | 27° 4 | 4°22 | 22°34 | 1°47 | 8°14 | 10° 3 | 17°35 | 17°50 | 2°46 | n.a. | F 20 |
| S 21 | 0 49 1 | 11°25'22 | 13°12 | 22°11 | 25°33 | 27° 0 | 4°34 | 22°37 | 1°51 | 8°16 | 10° 6 | 17°D34 | 17°47 | 2°52 | n.a. | S 21 |
| S 22 | 0 52 58 | 12°26'30 | 25°28 | 23°44 | 26°26 | 26°56 | 4°46 | 22°40 | 1°54 | 8°18 | 10° 8 | 17°34 | 17°44 | 2°59 | n.a. | S 22 |
| M23 | 0 56 54 | 13°27'39 | 7♉34 | 25°16 | 27°19 | 26°50 | 4°57 | 22°43 | 1°58 | 8°20 | 10°10 | 17°35 | 17°41 | 3° 6 | n.a. | M23 |
| T 24 | 1 0 51 | 14°28'49 | 19°31 | 26°48 | 28°14 | 26°44 | 5° 9 | 22°46 | 2° 2 | 8°22 | 10°12 | 17°35 | 17°38 | 3°12 | n.a. | T 24 |
| W25 | 1 4 47 | 15°30'00 | 1♊23 | 28°21 | 29° 9 | 26°37 | 5°20 | 22°49 | 2° 5 | 8°25 | 10°14 | 17°35 | 17°35 | 3°19 | n.a. | W25 |
| T 26 | 1 8 44 | 16°31'12 | 13°13 | 29°53 | 0♍ 5 | 26°29 | 5°32 | 22°52 | 2° 9 | 8°27 | 10°16 | 17°35 | 17°31 | 3°26 | n.a. | T 26 |
| F 27 | 1 12 41 | 17°32'25 | 25° 4 | 1♏24 | 1° 1 | 26°21 | 5°43 | 22°54 | 2°13 | 8°29 | 10°18 | 17°R36 | 17°28 | 3°32 | n.a. | F 27 |
| S 28 | 1 16 37 | 18°33'39 | 7♋ 0 | 2°56 | 1°58 | 26°11 | 5°55 | 22°57 | 2°16 | 8°31 | 10°20 | 17°36 | 17°25 | 3°39 | n.a. | S 28 |
| S 29 | 1 20 34 | 19°34'54 | 19° 7 | 4°27 | 2°55 | 26° 1 | 6° 6 | 22°59 | 2°20 | 8°33 | 10°22 | 17°D35 | 17°22 | 3°46 | n.a. | S 29 |
| M30 | 1 24 30 | 20°36'09 | 1♌28 | 5°58 | 3°53 | 25°49 | 6°17 | 23° 2 | 2°23 | 8°35 | 10°24 | 17°36 | 17°19 | 3°52 | n.a. | M30 |
| T 31 | 1 28 27 | 21♎37'26 | 14♌ 8 | 7♏28 | 4♍52 | 25♉37 | 6♍28 | 23♋ 4 | 2♎27 | 8♏38 | 10♍26 | 17♎36 | 17♎15 | 3♊59 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 3n36 | 18n15 | 5s12 | 4n 5 | 0n26 | 15n 3 | 2s49 | 19n44 | 0n 9 | 12n45 | 1n18 | 23n20 | 1n 9 | 0n19 | 0n37 | 12s50 | 1n35 | 23n19 | 16n26 | 7s10 | 7s32 | 17n20 | | | n.a. |
| M 2 | 3 11 | 16 41 | 5 13 | 3 21 | 0 19 | 15 5 | 2 38 | 19 48 | 0 11 | 12 40 | 1 18 | 23 19 | 1 9 | 0 17 | 0 37 | 12 51 | 1 35 | 23 18 | 16 26 | 7 9 | 7 30 | 17 21 | | | n.a. |
| T 3 | 2 47 | 14 15 | 4 58 | 2 36 | 0 13 | 15 6 | 2 27 | 19 52 | 0 13 | 12 36 | 1 18 | 23 19 | 1 9 | 0 16 | 0 37 | 12 52 | 1 35 | 23 17 | 16 26 | 7 8 | 7 29 | 17 22 | | | n.a. |
| W 4 | 2 22 | 11 3 | 4 28 | 1 52 | 0 6 | 15 7 | 2 16 | 19 57 | 0 15 | 12 31 | 1 18 | 23 18 | 1 9 | 0 14 | 0 37 | 12 52 | 1 35 | 23 17 | 16 26 | 7 6 | 7 28 | 17 22 | | | n.a. |
| T 5 | 1 58 | 7 11 | 3 42 | 1 8 | 0s 0 | 15 7 | 2 5 | 20 0 | 0 17 | 12 27 | 1 19 | 23 17 | 1 9 | 0 13 | 0 37 | 12 53 | 1 35 | 23 16 | 16 26 | 7 5 | 7 27 | 17 23 | | | n.a. |
| F 6 | 1 33 | 2 51 | 2 42 | 0 23 | 0 7 | 15 6 | 1 55 | 20 4 | 0 19 | 12 22 | 1 19 | 23 17 | 1 10 | 0 11 | 0 37 | 12 54 | 1 35 | 23 15 | 16 26 | 7 4 | 7 25 | 17 24 | | | n.a. |
| S 7 | 1 8 | 1s45 | 1 31 | 0s21 | 0 13 | 15 5 | 1 45 | 20 8 | 0 21 | 12 18 | 1 19 | 23 16 | 1 10 | 0 10 | 0 37 | 12 54 | 1 35 | 23 14 | 16 26 | 7 3 | 7 24 | 17 25 | | | n.a. |
| S 8 | 0 44 | 6 20 | 0 13 | 1 5 | 0 20 | 15 2 | 1 35 | 20 11 | 0 23 | 12 13 | 1 19 | 23 16 | 1 10 | 0 8 | 0 37 | 12 55 | 1 35 | 23 13 | 16 27 | 7 3 | 7 23 | 17 25 | | | n.a. |
| M 9 | 0 19 | 10 34 | 1n 7 | 1 49 | 0 26 | 14 59 | 1 25 | 20 15 | 0 25 | 12 9 | 1 19 | 23 15 | 1 10 | 0 7 | 0 37 | 12 55 | 1 35 | 23 13 | 16 27 | 7 3 | 7 22 | 17 26 | | | n.a. |
| T 10 | 0s 6 | 14 11 | 2 22 | 2 33 | 0 32 | 14 56 | 1 15 | 20 18 | 0 27 | 12 4 | 1 19 | 23 15 | 1 10 | 0 5 | 0 37 | 12 56 | 1 35 | 23 12 | 16 27 | 7 3 | 7 20 | 17 27 | | | n.a. |
| W11 | 0 30 | 16 54 | 3 29 | 3 17 | 0 39 | 14 51 | 1 6 | 20 21 | 0 29 | 12 0 | 1 19 | 23 14 | 1 11 | 0 4 | 0 37 | 12 57 | 1 35 | 23 11 | 16 27 | 7 4 | 7 19 | 17 27 | | | n.a. |
| T 12 | 0 55 | 18 31 | 4 21 | 4 0 | 0 45 | 14 46 | 0 57 | 20 24 | 0 31 | 11 55 | 1 19 | 23 14 | 1 11 | 0 2 | 0 37 | 12 57 | 1 34 | 23 10 | 16 27 | 7 4 | 7 18 | 17 28 | | | n.a. |
| F 13 | 1 20 | 18 56 | 4 57 | 4 43 | 0 51 | 14 41 | 0 48 | 20 26 | 0 33 | 11 51 | 1 19 | 23 13 | 1 11 | 0 1 | 0 37 | 12 58 | 1 34 | 23 10 | 16 27 | 7 4 | 7 17 | 17 29 | | | n.a. |
| S 14 | 1 44 | 18 11 | 5 15 | 5 26 | 0 57 | 14 34 | 0 39 | 20 29 | 0 35 | 11 47 | 1 19 | 23 13 | 1 11 | 0s 1 | 0 37 | 12 59 | 1 34 | 23 9 | 16 28 | 7 4 | 7 16 | 17 30 | | | n.a. |
| S 15 | 2 9 | 16 23 | 5 14 | 6 9 | 1 3 | 14 27 | 0 31 | 20 31 | 0 37 | 11 42 | 1 20 | 23 12 | 1 11 | 0 2 | 0 37 | 12 59 | 1 34 | 23 8 | 16 28 | 7 4 | 7 14 | 17 30 | | | n.a. |
| M16 | 2 34 | 13 41 | 4 56 | 6 51 | 1 9 | 14 20 | 0 22 | 20 34 | 0 40 | 11 38 | 1 20 | 23 12 | 1 12 | 0 4 | 0 37 | 13 0 | 1 34 | 23 7 | 16 28 | 7 4 | 7 13 | 17 31 | | | n.a. |
| T 17 | 2 58 | 10 18 | 4 22 | 7 33 | 1 14 | 14 11 | 0 14 | 20 36 | 0 42 | 11 33 | 1 20 | 23 12 | 1 12 | 0 5 | 0 37 | 13 1 | 1 34 | 23 7 | 16 28 | 7 3 | 7 12 | 17 32 | | | n.a. |
| W18 | 3 23 | 6 29 | 3 34 | 8 15 | 1 20 | 14 2 | 0 6 | 20 38 | 0 44 | 11 29 | 1 20 | 23 11 | 1 12 | 0 7 | 0 37 | 13 2 | 1 34 | 23 6 | 16 29 | 7 3 | 7 11 | 17 32 | | | n.a. |
| T 19 | 3 47 | 2 25 | 2 37 | 8 56 | 1 25 | 13 52 | 0n 1 | 20 39 | 0 46 | 11 25 | 1 20 | 23 11 | 1 12 | 0 8 | 0 37 | 13 2 | 1 34 | 23 5 | 16 29 | 7 2 | 7 9 | 17 33 | | | n.a. |
| F 20 | 4 12 | 1n42 | 1 32 | 9 37 | 1 31 | 13 42 | 0 9 | 20 41 | 0 49 | 11 21 | 1 20 | 23 11 | 1 12 | 0 10 | 0 37 | 13 3 | 1 34 | 23 5 | 16 29 | 7 2 | 7 8 | 17 34 | | | n.a. |
| S 21 | 4 36 | 5 41 | 0 24 | 10 17 | 1 36 | 13 31 | 0 16 | 20 42 | 0 51 | 11 16 | 1 20 | 23 10 | 1 13 | 0 11 | 0 37 | 13 4 | 1 34 | 23 4 | 16 29 | 7 2 | 7 7 | 17 34 | | | n.a. |
| S 22 | 5 1 | 9 22 | 0s44 | 10 56 | 1 40 | 13 19 | 0 23 | 20 44 | 0 54 | 11 12 | 1 20 | 23 10 | 1 13 | 0 13 | 0 37 | 13 4 | 1 34 | 23 4 | 16 30 | 7 2 | 7 6 | 17 35 | | | n.a. |
| M23 | 5 25 | 12 36 | 1 49 | 11 35 | 1 45 | 13 7 | 0 30 | 20 45 | 0 56 | 11 8 | 1 21 | 23 10 | 1 13 | 0 14 | 0 37 | 13 5 | 1 34 | 23 3 | 16 30 | 7 2 | 7 4 | 17 36 | | | n.a. |
| T 24 | 5 49 | 15 16 | 2 48 | 12 14 | 1 50 | 12 54 | 0 37 | 20 46 | 0 58 | 11 3 | 1 21 | 23 9 | 1 13 | 0 16 | 0 37 | 13 6 | 1 34 | 23 2 | 16 30 | 7 2 | 7 3 | 17 36 | | | n.a. |
| W25 | 6 13 | 17 15 | 3 40 | 12 52 | 1 54 | 12 40 | 0 43 | 20 46 | 1 1 | 10 59 | 1 21 | 23 9 | 1 13 | 0 17 | 0 37 | 13 6 | 1 34 | 23 2 | 16 30 | 7 2 | 7 2 | 17 37 | | | n.a. |
| T 26 | 6 37 | 18 30 | 4 23 | 13 29 | 1 58 | 12 26 | 0 49 | 20 47 | 1 3 | 10 55 | 1 21 | 23 9 | 1 14 | 0 19 | 0 37 | 13 7 | 1 34 | 23 1 | 16 31 | 7 2 | 7 1 | 17 38 | | | n.a. |
| F 27 | 7 1 | 18 56 | 4 54 | 14 5 | 2 1 | 12 12 | 0 55 | 20 47 | 1 6 | 10 51 | 1 21 | 23 9 | 1 14 | 0 20 | 0 37 | 13 8 | 1 34 | 23 1 | 16 31 | 7 2 | 6 59 | 17 38 | | | n.a. |
| S 28 | 7 25 | 18 32 | 5 12 | 14 40 | 2 4 | 11 56 | 1 1 | 20 47 | 1 8 | 10 47 | 1 21 | 23 8 | 1 14 | 0 22 | 0 37 | 13 9 | 1 34 | 23 0 | 16 31 | 7 2 | 6 58 | 17 39 | | | n.a. |
| S 29 | 7 49 | 17 17 | 5 18 | 15 15 | 2 7 | 11 40 | 1 7 | 20 47 | 1 11 | 10 43 | 1 21 | 23 8 | 1 14 | 0 23 | 0 37 | 13 9 | 1 34 | 23 0 | 16 32 | 7 2 | 6 57 | 17 40 | | | n.a. |
| M30 | 8 12 | 15 13 | 5 9 | 15 48 | 2 10 | 11 24 | 1 12 | 20 47 | 1 13 | 10 39 | 1 22 | 23 8 | 1 14 | 0 25 | 0 37 | 13 10 | 1 34 | 22 59 | 16 32 | 7 2 | 6 56 | 17 40 | | | n.a. |
| T 31 | 8s36 | 12n23 | 4s44 | 16s21 | 2s12 | 11n 7 | 1n18 | 20n47 | 1n16 | 10n35 | 1n22 | 23n 8 | 1n15 | 0s26 | 0n37 | 13s11 | 1n34 | 22n59 | 16n32 | 7s 2 | 6s55 | 17n41 | | | n.a. |

Julian Day Number = 1002153.5, Delta T = 12h49m54s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'27, Lahiri = -31°06'26 Julian Calendar 1 Oct. 1970 BCE == Greg. Calendar 14 Sept. 1970 BCE

The year -1969 astronomical counting style corresponds to year 1970 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## NOVEMBER 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 32 23 | 22♎38'43 | 27♌12 | 8♏57 | 5♍51 | 25°R25 | 6♍39 | 23♋ 6 | 2♎31 | 8♏40 | 10♍28 | 17♎36 | 17♎12 | 4♊ 6 | n.a. | W 1 |
| T 2 | 1 36 20 | 23°40'02 | 10♍40 | 10°26 | 6°50 | 25♉11 | 6°50 | 23° 8 | 2°34 | 8°42 | 10°30 | 17°37 | 17° 9 | 4°13 | n.a. | T 2 |
| F 3 | 1 40 16 | 24°41'20 | 24°35 | 11°54 | 7°50 | 24°57 | 7° 1 | 23°10 | 2°38 | 8°44 | 10°32 | 17°37 | 17° 6 | 4°19 | n.a. | F 3 |
| S 4 | 1 44 13 | 25°42'40 | 8♎55 | 13°20 | 8°51 | 24°41 | 7°12 | 23°11 | 2°41 | 8°46 | 10°34 | 17°38 | 17° 3 | 4°26 | n.a. | S 4 |
| S 5 | 1 48 10 | 26°44'00 | 23°35 | 14°46 | 9°52 | 24°25 | 7°23 | 23°13 | 2°45 | 8°49 | 10°36 | 17°R38 | 17° 0 | 4°33 | n.a. | S 5 |
| M 6 | 1 52 6 | 27°45'20 | 8♏29 | 16° 9 | 10°53 | 24° 9 | 7°33 | 23°15 | 2°48 | 8°51 | 10°38 | 17°37 | 16°56 | 4°39 | n.a. | M 6 |
| T 7 | 1 56 3 | 28°46'41 | 23°29 | 17°31 | 11°55 | 23°51 | 7°44 | 23°16 | 2°52 | 8°53 | 10°39 | 17°36 | 16°53 | 4°46 | n.a. | T 7 |
| W 8 | 1 59 59 | 29°48'02 | 8♐26 | 18°51 | 12°57 | 23°33 | 7°54 | 23°18 | 2°55 | 8°55 | 10°41 | 17°35 | 16°50 | 4°53 | n.a. | W 8 |
| T 9 | 2 3 56 | 0♏49'23 | 23°13 | 20° 8 | 14° 0 | 23°14 | 8° 4 | 23°19 | 2°59 | 8°58 | 10°43 | 17°33 | 16°47 | 4°59 | n.a. | T 9 |
| F 10 | 2 7 52 | 1°50'43 | 7♑43 | 21°22 | 15° 2 | 22°55 | 8°15 | 23°20 | 3° 2 | 9° 0 | 10°45 | 17°32 | 16°44 | 5° 6 | n.a. | F 10 |
| S 11 | 2 11 49 | 2°52'04 | 21°52 | 22°32 | 16° 6 | 22°35 | 8°25 | 23°21 | 3° 5 | 9° 2 | 10°46 | 17°31 | 16°40 | 5°13 | n.a. | S 11 |
| S 12 | 2 15 46 | 3°53'24 | 5♒39 | 23°38 | 17° 9 | 22°15 | 8°35 | 23°22 | 3° 9 | 9° 4 | 10°48 | 17°D31 | 16°37 | 5°19 | n.a. | S 12 |
| M13 | 2 19 42 | 4°54'45 | 19° 4 | 24°39 | 18°13 | 21°53 | 8°45 | 23°23 | 3°12 | 9° 7 | 10°50 | 17°31 | 16°34 | 5°26 | n.a. | M13 |
| T 14 | 2 23 39 | 5°56'04 | 2♓10 | 25°35 | 19°17 | 21°32 | 8°55 | 23°23 | 3°15 | 9° 9 | 10°51 | 17°32 | 16°31 | 5°33 | n.a. | T 14 |
| W15 | 2 27 35 | 6°57'24 | 14°58 | 26°24 | 20°22 | 21°10 | 9° 4 | 23°24 | 3°19 | 9°11 | 10°53 | 17°34 | 16°28 | 5°40 | n.a. | W15 |
| T 16 | 2 31 32 | 7°58'43 | 27°31 | 27° 6 | 21°27 | 20°48 | 9°14 | 23°24 | 3°22 | 9°13 | 10°55 | 17°35 | 16°25 | 5°46 | n.a. | T 16 |
| F 17 | 2 35 28 | 9° 0'02 | 9♈52 | 27°40 | 22°32 | 20°25 | 9°23 | 23°25 | 3°25 | 9°16 | 10°56 | 17°36 | 16°21 | 5°53 | n.a. | F 17 |
| S 18 | 2 39 25 | 10° 1'21 | 22° 4 | 28° 4 | 23°37 | 20° 2 | 9°33 | 23°25 | 3°28 | 9°18 | 10°58 | 17°R36 | 16°18 | 6° 0 | n.a. | S 18 |
| S 19 | 2 43 21 | 11° 2'39 | 4♉ 7 | 28°19 | 24°43 | 19°38 | 9°42 | 23°25 | 3°31 | 9°20 | 10°59 | 17°35 | 16°15 | 6° 6 | n.a. | S 19 |
| M20 | 2 47 18 | 12° 3'57 | 16° 5 | 28°R23 | 25°49 | 19°15 | 9°51 | 23°R25 | 3°35 | 9°23 | 11° 1 | 17°33 | 16°12 | 6°13 | n.a. | M20 |
| T 21 | 2 51 15 | 13° 5'15 | 27°58 | 28°15 | 26°55 | 18°51 | 10° 0 | 23°25 | 3°38 | 9°25 | 11° 2 | 17°29 | 16° 9 | 6°20 | n.a. | T 21 |
| W22 | 2 55 11 | 14° 6'33 | 9♊49 | 27°56 | 28° 1 | 18°27 | 10° 9 | 23°25 | 3°41 | 9°27 | 11° 3 | 17°25 | 16° 6 | 6°26 | n.a. | W22 |
| T 23 | 2 59 8 | 15° 7'50 | 21°40 | 27°25 | 29° 8 | 18° 3 | 10°18 | 23°25 | 3°44 | 9°29 | 11° 5 | 17°20 | 16° 2 | 6°33 | n.a. | T 23 |
| F 24 | 3 3 4 | 16° 9'07 | 3♋32 | 26°42 | 0♎15 | 17°39 | 10°27 | 23°24 | 3°47 | 9°32 | 11° 6 | 17°15 | 15°59 | 6°40 | n.a. | F 24 |
| S 25 | 3 7 1 | 17°10'24 | 15°29 | 25°49 | 1°22 | 17°15 | 10°35 | 23°24 | 3°50 | 9°34 | 11° 7 | 17°10 | 15°56 | 6°46 | n.a. | S 25 |
| S 26 | 3 10 57 | 18°11'41 | 27°35 | 24°46 | 2°29 | 16°51 | 10°44 | 23°23 | 3°53 | 9°36 | 11° 9 | 17° 7 | 15°53 | 6°53 | n.a. | S 26 |
| M27 | 3 14 54 | 19°12'58 | 9♌53 | 23°36 | 3°37 | 16°27 | 10°52 | 23°23 | 3°56 | 9°38 | 11°10 | 17° 5 | 15°50 | 7° 0 | n.a. | M27 |
| T 28 | 3 18 51 | 20°14'14 | 22°27 | 22°20 | 4°45 | 16° 3 | 11° 0 | 23°22 | 3°59 | 9°41 | 11°11 | 17°D 4 | 15°46 | 7° 7 | n.a. | T 28 |
| W29 | 3 22 47 | 21°15'30 | 5♍22 | 21° 1 | 5°52 | 15°39 | 11° 8 | 23°21 | 4° 1 | 9°43 | 11°12 | 17° 5 | 15°43 | 7°13 | n.a. | W29 |
| T 30 | 3 26 44 | 22♏16'45 | 18♍41 | 19♏42 | 7♎ 1 | 15♉16 | 11♍16 | 23♋20 | 4♎ 4 | 9♏45 | 11♍13 | 17♎ 7 | 15♎40 | 7♊20 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 8s59 | 8n51 | 4s 5 | 16s52 | 2s13 | 10n50 | 1n23 | 20n46 | 1n19 | 10n31 | 1n22 | 23n 8 | 1n15 | 0s28 | 0n37 | 13s12 | 1n34 | 22n58 | 16n33 | 7s 3 | 6s53 | 17n42 | | n.a. |
| T 2 | 9 22 | 4 46 | 3 11 | 17 22 | 2 15 | 10 32 | 1 28 | 20 45 | 1 21 | 10 27 | 1 22 | 23 7 | 1 15 | 0 29 | 0 37 | 13 12 | 1 34 | 22 58 | 16 33 | 7 3 | 6 52 | 17 42 | | n.a. |
| F 3 | 9 45 | 0 17 | 2 5 | 17 51 | 2 15 | 10 13 | 1 33 | 20 44 | 1 24 | 10 23 | 1 22 | 23 7 | 1 15 | 0 30 | 0 37 | 13 13 | 1 34 | 22 57 | 16 33 | 7 3 | 6 51 | 17 43 | | n.a. |
| S 4 | 10 8 | 4s20 | 0 48 | 18 18 | 2 15 | 9 54 | 1 37 | 20 43 | 1 26 | 10 19 | 1 22 | 23 7 | 1 16 | 0 32 | 0 37 | 13 14 | 1 34 | 22 57 | 16 34 | 7 3 | 6 50 | 17 44 | | n.a. |
| S 5 | 10 30 | 8 49 | 0n33 | 18 44 | 2 15 | 9 35 | 1 41 | 20 41 | 1 29 | 10 15 | 1 23 | 23 7 | 1 16 | 0 33 | 0 37 | 13 15 | 1 34 | 22 57 | 16 34 | 7 3 | 6 48 | 17 44 | | n.a. |
| M 6 | 10 53 | 12 50 | 1 53 | 19 8 | 2 14 | 9 15 | 1 46 | 20 40 | 1 32 | 10 11 | 1 23 | 23 7 | 1 16 | 0 35 | 0 37 | 13 15 | 1 34 | 22 56 | 16 35 | 7 3 | 6 47 | 17 45 | | n.a. |
| T 7 | 11 15 | 16 1 | 3 6 | 19 30 | 2 12 | 8 55 | 1 50 | 20 38 | 1 34 | 10 7 | 1 23 | 23 7 | 1 16 | 0 36 | 0 37 | 13 16 | 1 34 | 22 56 | 16 35 | 7 3 | 6 46 | 17 46 | | n.a. |
| W 8 | 11 37 | 18 6 | 4 6 | 19 51 | 2 9 | 8 34 | 1 54 | 20 36 | 1 37 | 10 3 | 1 23 | 23 7 | 1 16 | 0 37 | 0 37 | 13 17 | 1 34 | 22 55 | 16 35 | 7 2 | 6 45 | 17 46 | | n.a. |
| T 9 | 11 59 | 18 56 | 4 49 | 20 9 | 2 6 | 8 13 | 1 57 | 20 33 | 1 39 | 9 59 | 1 23 | 23 7 | 1 17 | 0 39 | 0 37 | 13 18 | 1 34 | 22 55 | 16 36 | 7 1 | 6 43 | 17 47 | | n.a. |
| F 10 | 12 21 | 18 30 | 5 12 | 20 25 | 2 2 | 7 51 | 2 1 | 20 31 | 1 42 | 9 56 | 1 23 | 23 7 | 1 17 | 0 40 | 0 37 | 13 18 | 1 34 | 22 55 | 16 36 | 7 1 | 6 42 | 17 47 | | n.a. |
| S 11 | 12 43 | 16 54 | 5 16 | 20 39 | 1 56 | 7 29 | 2 4 | 20 28 | 1 44 | 9 52 | 1 24 | 23 7 | 1 17 | 0 42 | 0 37 | 13 19 | 1 34 | 22 54 | 16 37 | 7 1 | 6 41 | 17 48 | | n.a. |
| S 12 | 13 4 | 14 22 | 5 1 | 20 50 | 1 50 | 7 7 | 2 7 | 20 25 | 1 47 | 9 48 | 1 24 | 23 7 | 1 17 | 0 43 | 0 37 | 13 20 | 1 34 | 22 54 | 16 37 | 7 0 | 6 40 | 17 49 | | n.a. |
| M13 | 13 25 | 11 8 | 4 30 | 20 58 | 1 43 | 6 44 | 2 10 | 20 22 | 1 49 | 9 45 | 1 24 | 23 7 | 1 18 | 0 44 | 0 37 | 13 21 | 1 34 | 22 54 | 16 37 | 7 1 | 6 38 | 17 49 | | n.a. |
| T 14 | 13 46 | 7 25 | 3 46 | 21 4 | 1 34 | 6 21 | 2 13 | 20 18 | 1 52 | 9 41 | 1 24 | 23 7 | 1 18 | 0 46 | 0 37 | 13 21 | 1 34 | 22 54 | 16 38 | 7 1 | 6 37 | 17 50 | | n.a. |
| W15 | 14 6 | 3 25 | 2 51 | 21 6 | 1 24 | 5 58 | 2 16 | 20 15 | 1 54 | 9 38 | 1 24 | 23 7 | 1 18 | 0 47 | 0 37 | 13 22 | 1 34 | 22 53 | 16 38 | 7 2 | 6 36 | 17 50 | | n.a. |
| T 16 | 14 27 | 0n39 | 1 49 | 21 5 | 1 13 | 5 34 | 2 18 | 20 11 | 1 57 | 9 34 | 1 25 | 23 8 | 1 18 | 0 48 | 0 37 | 13 23 | 1 34 | 22 53 | 16 39 | 7 2 | 6 35 | 17 51 | | n.a. |
| F 17 | 14 47 | 4 38 | 0 43 | 21 1 | 1 1 | 5 10 | 2 20 | 20 7 | 1 59 | 9 31 | 1 25 | 23 8 | 1 18 | 0 50 | 0 37 | 13 23 | 1 34 | 22 53 | 16 39 | 7 3 | 6 33 | 17 52 | | n.a. |
| S 18 | 15 7 | 8 23 | 0s25 | 20 53 | 0 47 | 4 45 | 2 23 | 20 3 | 2 1 | 9 27 | 1 25 | 23 8 | 1 19 | 0 51 | 0 37 | 13 24 | 1 34 | 22 53 | 16 40 | 7 3 | 6 32 | 17 52 | | n.a. |
| S 19 | 15 26 | 11 44 | 1 30 | 20 42 | 0 32 | 4 21 | 2 25 | 19 58 | 2 3 | 9 24 | 1 25 | 23 8 | 1 19 | 0 52 | 0 37 | 13 25 | 1 34 | 22 53 | 16 40 | 7 2 | 6 31 | 17 53 | | n.a. |
| M20 | 15 46 | 14 35 | 2 30 | 20 27 | 0 16 | 3 56 | 2 26 | 19 54 | 2 6 | 9 20 | 1 25 | 23 8 | 1 19 | 0 53 | 0 37 | 13 26 | 1 34 | 22 53 | 16 41 | 7 1 | 6 30 | 17 53 | | n.a. |
| T 21 | 16 5 | 16 48 | 3 24 | 20 8 | 0n 2 | 3 30 | 2 28 | 19 49 | 2 8 | 9 17 | 1 26 | 23 9 | 1 19 | 0 55 | 0 37 | 13 26 | 1 34 | 22 52 | 16 41 | 7 0 | 6 28 | 17 54 | | n.a. |
| W22 | 16 23 | 18 16 | 4 9 | 19 46 | 0 20 | 3 5 | 2 30 | 19 44 | 2 10 | 9 14 | 1 26 | 23 9 | 1 20 | 0 56 | 0 37 | 13 27 | 1 34 | 22 52 | 16 42 | 6 58 | 6 27 | 17 55 | | n.a. |
| T 23 | 16 42 | 18 57 | 4 42 | 19 20 | 0 40 | 2 39 | 2 31 | 19 40 | 2 12 | 9 11 | 1 26 | 23 9 | 1 20 | 0 57 | 0 37 | 13 28 | 1 34 | 22 52 | 16 42 | 6 56 | 6 26 | 17 55 | | n.a. |
| F 24 | 17 0 | 18 48 | 5 4 | 18 51 | 1 0 | 2 13 | 2 32 | 19 34 | 2 14 | 9 8 | 1 26 | 23 9 | 1 20 | 0 58 | 0 37 | 13 29 | 1 34 | 22 52 | 16 43 | 6 54 | 6 25 | 17 56 | | n.a. |
| S 25 | 17 18 | 17 49 | 5 13 | 18 19 | 1 20 | 1 47 | 2 34 | 19 29 | 2 16 | 9 4 | 1 27 | 23 10 | 1 20 | 0 59 | 0 37 | 13 29 | 1 34 | 22 52 | 16 43 | 6 52 | 6 23 | 17 56 | | n.a. |
| S 26 | 17 35 | 16 2 | 5 8 | 17 44 | 1 39 | 1 21 | 2 35 | 19 24 | 2 18 | 9 1 | 1 27 | 23 10 | 1 20 | 1 1 | 0 37 | 13 30 | 1 34 | 22 52 | 16 44 | 6 51 | 6 22 | 17 57 | | n.a. |
| M27 | 17 53 | 13 30 | 4 49 | 17 8 | 1 58 | 0 54 | 2 35 | 19 19 | 2 20 | 8 58 | 1 27 | 23 10 | 1 21 | 1 2 | 0 37 | 13 31 | 1 34 | 22 52 | 16 44 | 6 50 | 6 21 | 17 57 | | n.a. |
| T 28 | 18 10 | 10 17 | 4 15 | 16 32 | 2 16 | 0 28 | 2 36 | 19 13 | 2 22 | 8 55 | 1 27 | 23 11 | 1 21 | 1 3 | 0 37 | 13 32 | 1 34 | 22 52 | 16 45 | 6 50 | 6 20 | 17 58 | | n.a. |
| W29 | 18 26 | 6 30 | 3 29 | 15 56 | 2 32 | 0 1 | 2 37 | 19 8 | 2 23 | 8 52 | 1 27 | 23 11 | 1 21 | 1 4 | 0 37 | 13 32 | 1 34 | 22 52 | 16 45 | 6 50 | 6 18 | 17 59 | | n.a. |
| T 30 | 18s42 | 2n17 | 2s29 | 15s21 | 2n46 | 0s26 | 2n37 | 19n 2 | 2n25 | 8n50 | 1n28 | 23n11 | 1n21 | 1s 5 | 0n37 | 13s33 | 1n34 | 22n52 | 16n46 | 6s51 | 6s17 | 17n59 | | n.a. |

Julian Day Number = 1002184.5, Delta T = 12h49m52s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'23, Lahiri = -31°06'22 Julian Calendar 1 Nov. 1970 BCE == Greg. Calendar 15 Oct. 1970 BCE


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# ASTRODIENST EPHEMERIS for the year 1970 BCE
# geocentric

## DECEMBER 1970 BCE (-1969) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 30 40 | 23♏18'00 | 2♎28 | 18°R25 | 8♎ 9 | 14°R53 | 11♍24 | 23°R19 | 4♎ 7 | 9♏47 | 11♍14 | 17♎ 8 | 15♎37 | 7♊27 | n.a. | F 1 |
| S 2 | 3 34 37 | 24°19'14 | 16°42 | 17♏12 | 9°17 | 14♉30 | 11°32 | 23♋17 | 4°10 | 9°50 | 11°16 | 17°R 9 | 15°34 | 7°33 | n.a. | S 2 |
| S 3 | 3 38 33 | 25°20'28 | 1♏23 | 16° 5 | 10°26 | 14° 7 | 11°40 | 23°16 | 4°12 | 9°52 | 11°17 | 17° 8 | 15°31 | 7°40 | n.a. | S 3 |
| M 4 | 3 42 30 | 26°21'42 | 16°25 | 15° 6 | 11°35 | 13°45 | 11°47 | 23°15 | 4°15 | 9°54 | 11°18 | 17° 5 | 15°27 | 7°47 | n.a. | M 4 |
| T 5 | 3 46 26 | 27°22'55 | 1♐40 | 14°15 | 12°44 | 13°24 | 11°54 | 23°13 | 4°18 | 9°56 | 11°19 | 17° 1 | 15°24 | 7°53 | n.a. | T 5 |
| W 6 | 3 50 23 | 28°24'06 | 16°57 | 13°33 | 13°53 | 13° 2 | 12° 1 | 23°11 | 4°20 | 9°58 | 11°19 | 16°54 | 15°21 | 8° 0 | n.a. | W 6 |
| T 7 | 3 54 20 | 29°25'17 | 2♑ 5 | 13° 1 | 15° 2 | 12°42 | 12° 8 | 23°10 | 4°23 | 10° 1 | 11°20 | 16°48 | 15°18 | 8° 7 | n.a. | T 7 |
| F 8 | 3 58 16 | 0♐26'27 | 16°56 | 12°38 | 16°11 | 12°22 | 12°15 | 23° 8 | 4°25 | 10° 3 | 11°21 | 16°41 | 15°15 | 8°13 | n.a. | F 8 |
| S 9 | 4 2 13 | 1°27'35 | 1♒22 | 12°24 | 17°21 | 12° 2 | 12°22 | 23° 6 | 4°28 | 10° 5 | 11°22 | 16°36 | 15°12 | 8°20 | n.a. | S 9 |
| S 10 | 4 6 9 | 2°28'42 | 15°20 | 12°D19 | 18°30 | 11°44 | 12°28 | 23° 4 | 4°30 | 10° 7 | 11°23 | 16°33 | 15° 8 | 8°27 | n.a. | S 10 |
| M11 | 4 10 6 | 3°29'48 | 28°49 | 12°21 | 19°40 | 11°25 | 12°35 | 23° 2 | 4°32 | 10° 9 | 11°24 | 16°D31 | 15° 5 | 8°34 | n.a. | M11 |
| T 12 | 4 14 2 | 4°30'52 | 11♓53 | 12°32 | 20°50 | 11° 8 | 12°41 | 22°59 | 4°35 | 10°11 | 11°24 | 16°31 | 15° 2 | 8°40 | n.a. | T 12 |
| W13 | 4 17 59 | 5°31'55 | 24°34 | 12°49 | 22° 0 | 10°51 | 12°47 | 22°57 | 4°37 | 10°13 | 11°25 | 16°32 | 14°59 | 8°47 | n.a. | W13 |
| T 14 | 4 21 56 | 6°32'57 | 6♈57 | 13°13 | 23°10 | 10°35 | 12°53 | 22°54 | 4°39 | 10°16 | 11°26 | 16°34 | 14°56 | 8°54 | n.a. | T 14 |
| F 15 | 4 25 52 | 7°33'57 | 19° 7 | 13°43 | 24°20 | 10°20 | 12°59 | 22°52 | 4°41 | 10°18 | 11°26 | 16°R34 | 14°52 | 9° 0 | n.a. | F 15 |
| S 16 | 4 29 49 | 8°34'55 | 1♉ 8 | 14°18 | 25°30 | 10° 5 | 13° 4 | 22°49 | 4°44 | 10°20 | 11°27 | 16°33 | 14°49 | 9° 7 | n.a. | S 16 |
| S 17 | 4 33 45 | 9°35'52 | 13° 2 | 14°57 | 26°40 | 9°51 | 13°10 | 22°47 | 4°46 | 10°22 | 11°27 | 16°29 | 14°46 | 9°14 | n.a. | S 17 |
| M18 | 4 37 42 | 10°36'48 | 24°54 | 15°42 | 27°51 | 9°38 | 13°15 | 22°44 | 4°48 | 10°24 | 11°28 | 16°23 | 14°43 | 9°20 | n.a. | M18 |
| T 19 | 4 41 38 | 11°37'42 | 6♊44 | 16°30 | 29° 1 | 9°26 | 13°20 | 22°41 | 4°50 | 10°26 | 11°28 | 16°14 | 14°40 | 9°27 | n.a. | T 19 |
| W20 | 4 45 35 | 12°38'35 | 18°35 | 17°22 | 0♏12 | 9°14 | 13°25 | 22°38 | 4°52 | 10°28 | 11°29 | 16° 4 | 14°37 | 9°34 | n.a. | W20 |
| T 21 | 4 49 31 | 13°39'27 | 0♋29 | 18°17 | 1°22 | 9° 3 | 13°30 | 22°35 | 4°54 | 10°30 | 11°29 | 15°52 | 14°33 | 9°41 | n.a. | T 21 |
| F 22 | 4 53 28 | 14°40'17 | 12°27 | 19°16 | 2°33 | 8°53 | 13°35 | 22°32 | 4°56 | 10°32 | 11°30 | 15°40 | 14°30 | 9°47 | n.a. | F 22 |
| S 23 | 4 57 25 | 15°41'06 | 24°30 | 20°17 | 3°44 | 8°44 | 13°39 | 22°28 | 4°57 | 10°34 | 11°30 | 15°29 | 14°27 | 9°54 | n.a. | S 23 |
| S 24 | 5 1 21 | 16°41'53 | 6♌40 | 21°21 | 4°55 | 8°36 | 13°44 | 22°25 | 4°59 | 10°36 | 11°30 | 15°20 | 14°24 | 10° 1 | n.a. | S 24 |
| M25 | 5 5 18 | 17°42'40 | 19° 0 | 22°27 | 6° 6 | 8°28 | 13°48 | 22°22 | 5° 1 | 10°38 | 11°30 | 15°14 | 14°21 | 10° 7 | n.a. | M25 |
| T 26 | 5 9 14 | 18°43'24 | 1♍34 | 23°35 | 7°17 | 8°22 | 13°52 | 22°18 | 5° 3 | 10°39 | 11°31 | 15°10 | 14°18 | 10°14 | n.a. | T 26 |
| W27 | 5 13 11 | 19°44'08 | 14°24 | 24°45 | 8°28 | 8°16 | 13°56 | 22°15 | 5° 4 | 10°41 | 11°31 | 15°D 8 | 14°14 | 10°21 | n.a. | W27 |
| T 28 | 5 17 7 | 20°44'50 | 27°35 | 25°57 | 9°39 | 8°10 | 13°59 | 22°11 | 5° 6 | 10°43 | 11°31 | 15° 8 | 14°11 | 10°27 | n.a. | T 28 |
| F 29 | 5 21 4 | 21°45'31 | 11♎ 9 | 27°11 | 10°51 | 8° 6 | 14° 3 | 22° 7 | 5° 7 | 10°45 | 11°31 | 15°R 9 | 14° 8 | 10°34 | n.a. | F 29 |
| S 30 | 5 25 0 | 22°46'10 | 25°10 | 28°27 | 12° 2 | 8° 2 | 14° 6 | 22° 4 | 5° 9 | 10°47 | 11°31 | 15° 9 | 14° 5 | 10°41 | n.a. | S 30 |
| S 31 | 5 28 57 | 23♐46'49 | 9♏38 | 29♏44 | 13♏13 | 8♉ 0 | 14♍ 9 | 22♋ 0 | 5♎10 | 10♏49 | 11°R31 | 15♎ 6 | 14♎ 2 | 10♊48 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 18s58 | 2s12 | 1s19 | 14s48 | 2n58 | 0s53 | 2n38 | 18n57 | 2n26 | 8n47 | 1n28 | 23n12 | 1n21 | 1s 6 | 0n37 | 13s34 | 1n34 | 22n52 | 16n46 | 6s52 | 6s16 | 18n 0 | | n.a. |
| S 2 | 19 14 | 6 44 | 0 2 | 14 18 | 3 8 | 1 21 | 2 38 | 18 51 | 2 28 | 8 44 | 1 28 | 23 12 | 1 22 | 1 7 | 0 37 | 13 34 | 1 34 | 22 52 | 16 47 | 6 52 | 6 15 | 18 0 | | n.a. |
| S 3 | 19 29 | 10 59 | 1n17 | 13 52 | 3 15 | 1 48 | 2 38 | 18 46 | 2 29 | 8 41 | 1 28 | 23 13 | 1 22 | 1 8 | 0 37 | 13 35 | 1 34 | 22 52 | 16 47 | 6 52 | 6 13 | 18 1 | | n.a. |
| M 4 | 19 44 | 14 39 | 2 32 | 13 30 | 3 20 | 2 15 | 2 38 | 18 40 | 2 31 | 8 39 | 1 29 | 23 13 | 1 22 | 1 9 | 0 37 | 13 36 | 1 34 | 22 52 | 16 48 | 6 51 | 6 12 | 18 1 | | n.a. |
| T 5 | 19 58 | 17 21 | 3 38 | 13 12 | 3 23 | 2 43 | 2 38 | 18 35 | 2 32 | 8 36 | 1 29 | 23 14 | 1 22 | 1 10 | 0 37 | 13 37 | 1 34 | 22 52 | 16 48 | 6 49 | 6 11 | 18 2 | | n.a. |
| W 6 | 20 12 | 18 49 | 4 28 | 12 59 | 3 24 | 3 10 | 2 37 | 18 30 | 2 33 | 8 33 | 1 29 | 23 14 | 1 23 | 1 12 | 0 37 | 13 37 | 1 34 | 22 52 | 16 49 | 6 46 | 6 10 | 18 2 | | n.a. |
| T 7 | 20 26 | 18 55 | 4 59 | 12 50 | 3 23 | 3 38 | 2 37 | 18 24 | 2 34 | 8 31 | 1 29 | 23 15 | 1 23 | 1 13 | 0 37 | 13 38 | 1 34 | 22 52 | 16 49 | 6 44 | 6 8 | 18 3 | | n.a. |
| F 8 | 20 39 | 17 42 | 5 9 | 12 46 | 3 20 | 4 5 | 2 36 | 18 19 | 2 35 | 8 28 | 1 30 | 23 15 | 1 23 | 1 14 | 0 37 | 13 39 | 1 34 | 22 53 | 16 50 | 6 41 | 6 7 | 18 3 | | n.a. |
| S 9 | 20 52 | 15 24 | 4 59 | 12 45 | 3 16 | 4 33 | 2 36 | 18 14 | 2 36 | 8 26 | 1 30 | 23 16 | 1 23 | 1 14 | 0 37 | 13 39 | 1 34 | 22 53 | 16 50 | 6 39 | 6 6 | 18 4 | | n.a. |
| S 10 | 21 4 | 12 15 | 4 31 | 12 49 | 3 11 | 5 1 | 2 35 | 18 9 | 2 37 | 8 24 | 1 30 | 23 16 | 1 23 | 1 15 | 0 37 | 13 40 | 1 34 | 22 53 | 16 51 | 6 38 | 6 5 | 18 5 | | n.a. |
| M11 | 21 16 | 8 32 | 3 49 | 12 55 | 3 5 | 5 28 | 2 34 | 18 4 | 2 38 | 8 22 | 1 30 | 23 17 | 1 24 | 1 16 | 0 37 | 13 41 | 1 34 | 22 53 | 16 51 | 6 37 | 6 3 | 18 5 | | n.a. |
| T 12 | 21 28 | 4 32 | 2 56 | 13 5 | 2 58 | 5 56 | 2 33 | 17 59 | 2 39 | 8 19 | 1 31 | 23 18 | 1 24 | 1 17 | 0 37 | 13 41 | 1 34 | 22 53 | 16 52 | 6 37 | 6 2 | 18 6 | | n.a. |
| W13 | 21 39 | 0 26 | 1 56 | 13 17 | 2 51 | 6 23 | 2 32 | 17 54 | 2 40 | 8 17 | 1 31 | 23 18 | 1 24 | 1 18 | 0 37 | 13 42 | 1 34 | 22 54 | 16 53 | 6 38 | 6 1 | 18 6 | | n.a. |
| T 14 | 21 50 | 3n36 | 0 52 | 13 32 | 2 43 | 6 51 | 2 31 | 17 50 | 2 40 | 8 15 | 1 31 | 23 19 | 1 24 | 1 19 | 0 37 | 13 43 | 1 34 | 22 54 | 16 53 | 6 38 | 6 0 | 18 7 | | n.a. |
| F 15 | 22 0 | 7 25 | 0s14 | 13 49 | 2 34 | 7 18 | 2 30 | 17 45 | 2 41 | 8 13 | 1 31 | 23 19 | 1 24 | 1 20 | 0 37 | 13 43 | 1 34 | 22 54 | 16 54 | 6 38 | 5 58 | 18 7 | | n.a. |
| S 16 | 22 10 | 10 53 | 1 18 | 14 8 | 2 25 | 7 45 | 2 28 | 17 41 | 2 42 | 8 11 | 1 32 | 23 20 | 1 25 | 1 21 | 0 37 | 13 44 | 1 34 | 22 54 | 16 54 | 6 38 | 5 57 | 18 8 | | n.a. |
| S 17 | 22 20 | 13 53 | 2 17 | 14 29 | 2 16 | 8 13 | 2 27 | 17 37 | 2 42 | 8 9 | 1 32 | 23 21 | 1 25 | 1 22 | 0 37 | 13 45 | 1 34 | 22 55 | 16 55 | 6 36 | 5 56 | 18 8 | | n.a. |
| M18 | 22 29 | 16 17 | 3 11 | 14 51 | 2 7 | 8 40 | 2 25 | 17 33 | 2 43 | 8 7 | 1 32 | 23 21 | 1 25 | 1 22 | 0 37 | 13 45 | 1 34 | 22 55 | 16 55 | 6 34 | 5 55 | 18 9 | | n.a. |
| T 19 | 22 38 | 18 0 | 3 56 | 15 14 | 1 58 | 9 7 | 2 24 | 17 29 | 2 43 | 8 6 | 1 33 | 23 22 | 1 25 | 1 23 | 0 37 | 13 46 | 1 34 | 22 55 | 16 56 | 6 31 | 5 53 | 18 9 | | n.a. |
| W20 | 22 46 | 18 56 | 4 30 | 15 38 | 1 48 | 9 33 | 2 22 | 17 26 | 2 43 | 8 4 | 1 33 | 23 23 | 1 25 | 1 24 | 0 37 | 13 46 | 1 34 | 22 56 | 16 56 | 6 26 | 5 52 | 18 10 | | n.a. |
| T 21 | 22 54 | 19 2 | 4 53 | 16 2 | 1 39 | 10 0 | 2 20 | 17 23 | 2 44 | 8 2 | 1 33 | 23 23 | 1 26 | 1 25 | 0 37 | 13 47 | 1 34 | 22 56 | 16 57 | 6 22 | 5 51 | 18 10 | | n.a. |
| F 22 | 23 1 | 18 17 | 5 3 | 16 28 | 1 29 | 10 27 | 2 18 | 17 20 | 2 44 | 8 1 | 1 33 | 23 24 | 1 26 | 1 25 | 0 37 | 13 48 | 1 34 | 22 56 | 16 58 | 6 17 | 5 50 | 18 11 | | n.a. |
| S 23 | 23 8 | 16 44 | 5 0 | 16 54 | 1 20 | 10 53 | 2 16 | 17 17 | 2 44 | 7 59 | 1 34 | 23 25 | 1 26 | 1 26 | 0 37 | 13 48 | 1 34 | 22 57 | 16 58 | 6 13 | 5 48 | 18 11 | | n.a. |
| S 24 | 23 14 | 14 24 | 4 43 | 17 20 | 1 10 | 11 19 | 2 14 | 17 14 | 2 44 | 7 58 | 1 34 | 23 26 | 1 26 | 1 27 | 0 37 | 13 49 | 1 34 | 22 57 | 16 59 | 6 9 | 5 47 | 18 12 | | n.a. |
| M25 | 23 20 | 11 25 | 4 13 | 17 46 | 1 1 | 11 45 | 2 12 | 17 12 | 2 44 | 7 56 | 1 34 | 23 26 | 1 26 | 1 28 | 0 38 | 13 49 | 1 34 | 22 58 | 16 59 | 6 7 | 5 46 | 18 12 | | n.a. |
| T 26 | 23 26 | 7 52 | 3 30 | 18 12 | 0 52 | 12 11 | 2 10 | 17 9 | 2 44 | 7 55 | 1 34 | 23 27 | 1 27 | 1 28 | 0 38 | 13 50 | 1 34 | 22 58 | 17 0 | 6 5 | 5 45 | 18 13 | | n.a. |
| W27 | 23 31 | 3 52 | 2 36 | 18 39 | 0 43 | 12 36 | 2 8 | 17 7 | 2 44 | 7 54 | 1 35 | 23 28 | 1 27 | 1 29 | 0 38 | 13 51 | 1 34 | 22 58 | 17 0 | 6 5 | 5 43 | 18 13 | | n.a. |
| T 28 | 23 35 | 0s25 | 1 32 | 19 5 | 0 34 | 13 1 | 2 5 | 17 6 | 2 44 | 7 53 | 1 35 | 23 29 | 1 27 | 1 29 | 0 38 | 13 51 | 1 34 | 22 59 | 17 1 | 6 5 | 5 42 | 18 13 | | n.a. |
| F 29 | 23 39 | 4 49 | 0 21 | 19 31 | 0 25 | 13 26 | 2 3 | 17 4 | 2 44 | 7 52 | 1 35 | 23 30 | 1 27 | 1 30 | 0 38 | 13 52 | 1 34 | 22 59 | 17 1 | 6 5 | 5 41 | 18 14 | | n.a. |
| S 30 | 23 43 | 9 7 | 0n53 | 19 57 | 0 16 | 13 51 | 2 0 | 17 3 | 2 44 | 7 51 | 1 36 | 23 30 | 1 27 | 1 31 | 0 38 | 13 52 | 1 34 | 23 0 | 17 2 | 6 5 | 5 40 | 18 14 | | n.a. |
| S 31 | 23s46 | 13s 0 | 2n 6 | 20s22 | 0n 8 | 14s15 | 1n58 | 17n 2 | 2n44 | 7n50 | 1n36 | 23n31 | 1n27 | 1s31 | 0n38 | 13s53 | 1n34 | 23n 0 | 17n 3 | 6s 4 | 5s38 | 18n15 | | n.a. |

Julian Day Number = 1002214.5, Delta T = 12h49m50s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'19, Lahiri = -31°06'18 Julian Calendar 1 Dec. 1970 BCE == Greg. Calendar 14 Nov. 1970 BCE

The year -1969 astronomical counting style corresponds to year 1970 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## JANUARY 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 32 54 | 24♐47'25 | 24♏29 | 1♐ 2 | 14♏25 | 7°R58 | 14♍12 | 21°R56 | 5♎12 | 10♏50 | 11°R31 | 15°R 2 | 13♎58 | 10♊54 | n.a. | M 1 |
| T 2 | 5 36 50 | 25°48'00 | 9♐38 | 2°22 | 15°36 | 7♑56 | 14°15 | 21♋52 | 5°13 | 10°52 | 11♍31 | 14♎54 | 13°55 | 11° 1 | n.a. | T 2 |
| W 3 | 5 40 47 | 26°48'34 | 24°56 | 3°43 | 16°48 | 7°D56 | 14°17 | 21°48 | 5°14 | 10°54 | 11°31 | 14°44 | 13°52 | 11° 8 | n.a. | W 3 |
| T 4 | 5 44 43 | 27°49'05 | 10♑11 | 5° 6 | 18° 0 | 7°56 | 14°19 | 21°44 | 5°15 | 10°56 | 11°31 | 14°33 | 13°49 | 11°14 | n.a. | T 4 |
| F 5 | 5 48 40 | 28°49'35 | 25°12 | 6°29 | 19°11 | 7°57 | 14°22 | 21°40 | 5°17 | 10°57 | 11°31 | 14°22 | 13°46 | 11°21 | n.a. | F 5 |
| S 6 | 5 52 36 | 29°50'03 | 9♒50 | 7°54 | 20°23 | 7°59 | 14°24 | 21°36 | 5°18 | 10°59 | 11°31 | 14°13 | 13°43 | 11°28 | n.a. | S 6 |
| S 7 | 5 56 33 | 0♑50'29 | 24° 0 | 9°20 | 21°35 | 8° 1 | 14°25 | 21°31 | 5°19 | 11° 1 | 11°30 | 14° 6 | 13°39 | 11°34 | n.a. | S 7 |
| M 8 | 6 0 30 | 1°50'52 | 7♓39 | 10°47 | 22°46 | 8° 4 | 14°27 | 21°27 | 5°20 | 11° 2 | 11°30 | 14° 1 | 13°36 | 11°41 | n.a. | M 8 |
| T 9 | 6 4 26 | 2°51'13 | 20°49 | 12°15 | 23°58 | 8° 8 | 14°28 | 21°23 | 5°21 | 11° 4 | 11°30 | 13°59 | 13°33 | 11°48 | n.a. | T 9 |
| W10 | 6 8 23 | 3°51'32 | 3♈33 | 13°44 | 25°10 | 8°13 | 14°30 | 21°19 | 5°22 | 11° 5 | 11°30 | 13°D59 | 13°30 | 11°55 | n.a. | W10 |
| T 11 | 6 12 19 | 4°51'49 | 15°56 | 15°15 | 26°22 | 8°18 | 14°31 | 21°14 | 5°22 | 11° 7 | 11°29 | 13°R59 | 13°27 | 12° 1 | n.a. | T 11 |
| F 12 | 6 16 16 | 5°52'04 | 28° 3 | 16°46 | 27°34 | 8°24 | 14°32 | 21°10 | 5°23 | 11° 8 | 11°29 | 13°58 | 13°24 | 12° 8 | n.a. | F 12 |
| S 13 | 6 20 12 | 6°52'16 | 10♉ 0 | 18°18 | 28°46 | 8°30 | 14°32 | 21° 5 | 5°24 | 11°10 | 11°28 | 13°56 | 13°20 | 12°15 | n.a. | S 13 |
| S 14 | 6 24 9 | 7°52'26 | 21°51 | 19°52 | 29°58 | 8°38 | 14°33 | 21° 1 | 5°25 | 11°11 | 11°28 | 13°51 | 13°17 | 12°21 | n.a. | S 14 |
| M15 | 6 28 5 | 8°52'34 | 3♊40 | 21°26 | 1♐10 | 8°45 | 14°33 | 20°56 | 5°25 | 11°13 | 11°27 | 13°43 | 13°14 | 12°28 | n.a. | M15 |
| T 16 | 6 32 2 | 9°52'40 | 15°30 | 23° 2 | 2°22 | 8°54 | 14°R33 | 20°52 | 5°26 | 11°14 | 11°27 | 13°32 | 13°11 | 12°35 | n.a. | T 16 |
| W17 | 6 35 59 | 10°52'44 | 27°24 | 24°38 | 3°34 | 9° 3 | 14°33 | 20°47 | 5°26 | 11°16 | 11°26 | 13°19 | 13° 8 | 12°42 | n.a. | W17 |
| T 18 | 6 39 55 | 11°52'46 | 9♋24 | 26°16 | 4°46 | 9°13 | 14°33 | 20°42 | 5°27 | 11°17 | 11°26 | 13° 5 | 13° 4 | 12°48 | n.a. | T 18 |
| F 19 | 6 43 52 | 12°52'45 | 21°30 | 27°54 | 5°58 | 9°23 | 14°32 | 20°38 | 5°27 | 11°18 | 11°25 | 12°50 | 13° 1 | 12°55 | n.a. | F 19 |
| S 20 | 6 47 48 | 13°52'42 | 3♌43 | 29°34 | 7°10 | 9°34 | 14°32 | 20°33 | 5°28 | 11°20 | 11°24 | 12°36 | 12°58 | 13° 2 | n.a. | S 20 |
| S 21 | 6 51 45 | 14°52'38 | 16° 5 | 1♑15 | 8°22 | 9°45 | 14°31 | 20°28 | 5°28 | 11°21 | 11°24 | 12°25 | 12°55 | 13° 8 | n.a. | S 21 |
| M22 | 6 55 41 | 15°52'31 | 28°37 | 2°57 | 9°35 | 9°57 | 14°30 | 20°24 | 5°28 | 11°22 | 11°23 | 12°16 | 12°52 | 13°15 | n.a. | M22 |
| T 23 | 6 59 38 | 16°52'22 | 11♍19 | 4°40 | 10°47 | 10° 9 | 14°29 | 20°19 | 5°28 | 11°23 | 11°22 | 12°11 | 12°49 | 13°22 | n.a. | T 23 |
| W24 | 7 3 34 | 17°52'12 | 24°14 | 6°24 | 11°59 | 10°22 | 14°27 | 20°14 | 5°28 | 11°24 | 11°21 | 12° 8 | 12°45 | 13°28 | n.a. | W24 |
| T 25 | 7 7 31 | 18°51'59 | 7♎26 | 8° 9 | 13°11 | 10°35 | 14°26 | 20°10 | 5°28 | 11°26 | 11°21 | 12° 7 | 12°42 | 13°35 | n.a. | T 25 |
| F 26 | 7 11 27 | 19°51'45 | 20°55 | 9°56 | 14°24 | 10°49 | 14°24 | 20° 5 | 5°R29 | 11°27 | 11°20 | 12° 7 | 12°39 | 13°42 | n.a. | F 26 |
| S 27 | 7 15 24 | 20°51'29 | 4♏46 | 11°43 | 15°36 | 11° 4 | 14°22 | 20° 0 | 5°29 | 11°28 | 11°19 | 12° 6 | 12°36 | 13°49 | n.a. | S 27 |
| S 28 | 7 19 21 | 21°51'11 | 18°58 | 13°32 | 16°48 | 11°18 | 14°20 | 19°55 | 5°28 | 11°29 | 11°18 | 12° 4 | 12°33 | 13°55 | n.a. | S 28 |
| M29 | 7 23 17 | 22°50'51 | 3♐31 | 15°22 | 18° 1 | 11°34 | 14°18 | 19°51 | 5°28 | 11°30 | 11°17 | 12° 0 | 12°29 | 14° 2 | n.a. | M29 |
| T 30 | 7 27 14 | 23°50'30 | 18°20 | 17°13 | 19°13 | 11°50 | 14°15 | 19°46 | 5°28 | 11°31 | 11°16 | 11°52 | 12°26 | 14° 9 | n.a. | T 30 |
| W31 | 7 31 10 | 24♑50'06 | 3♑20 | 19♑ 6 | 20♐26 | 12♉ 6 | 14♍12 | 19♋41 | 5♎28 | 11♏32 | 11♍15 | 11♎43 | 12♎23 | 14♊15 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 23 s49 | 16 s 9 | 3n13 | 20 s47 | 0 s 1 | 14 s39 | 1n55 | 17n 1 | 2n44 | 7n49 | 1n36 | 23n32 | 1n28 | 1 s32 | 0n38 | 13 s53 | 1n34 | 23n 1 | 17n 3 | 6 s 2 | 5 s37 | 18n15 | | | n.a. |
| T 2 | 23 51 | 18 16 | 4 7 | 21 11 | 0 9 | 15 3 | 1 53 | 17 0 | 2 44 | 7 48 | 1 37 | 23 33 | 1 28 | 1 32 | 0 38 | 13 54 | 1 34 | 23 1 | 17 4 | 5 59 | 5 36 | 18 16 | | | n.a. |
| W 3 | 23 53 | 19 5 | 4 44 | 21 35 | 0 16 | 15 26 | 1 50 | 17 0 | 2 44 | 7 47 | 1 37 | 23 34 | 1 28 | 1 33 | 0 38 | 13 54 | 1 34 | 23 2 | 17 4 | 5 55 | 5 35 | 18 16 | | | n.a. |
| T 4 | 23 54 | 18 31 | 5 1 | 21 58 | 0 24 | 15 49 | 1 47 | 17 0 | 2 43 | 7 47 | 1 37 | 23 34 | 1 28 | 1 33 | 0 38 | 13 55 | 1 34 | 23 2 | 17 5 | 5 51 | 5 33 | 18 17 | | | n.a. |
| F 5 | 23 55 | 16 40 | 4 56 | 22 21 | 0 32 | 16 12 | 1 45 | 17 0 | 2 43 | 7 46 | 1 37 | 23 35 | 1 28 | 1 34 | 0 38 | 13 55 | 1 34 | 23 3 | 17 5 | 5 47 | 5 32 | 18 17 | | | n.a. |
| S 6 | 23 55 | 13 46 | 4 32 | 22 42 | 0 39 | 16 34 | 1 42 | 17 0 | 2 43 | 7 46 | 1 38 | 23 36 | 1 28 | 1 34 | 0 38 | 13 56 | 1 34 | 23 3 | 17 6 | 5 43 | 5 31 | 18 18 | | | n.a. |
| S 7 | 23 55 | 10 9 | 3 52 | 23 3 | 0 46 | 16 56 | 1 39 | 17 1 | 2 42 | 7 45 | 1 38 | 23 37 | 1 29 | 1 34 | 0 38 | 13 56 | 1 34 | 23 4 | 17 6 | 5 40 | 5 30 | 18 18 | | | n.a. |
| M 8 | 23 54 | 6 6 | 3 0 | 23 23 | 0 53 | 17 17 | 1 36 | 17 2 | 2 42 | 7 45 | 1 38 | 23 38 | 1 29 | 1 35 | 0 38 | 13 57 | 1 34 | 23 5 | 17 7 | 5 38 | 5 28 | 18 18 | | | n.a. |
| T 9 | 23 53 | 1 53 | 2 0 | 23 41 | 0 59 | 17 38 | 1 33 | 17 3 | 2 42 | 7 44 | 1 39 | 23 39 | 1 29 | 1 35 | 0 38 | 13 57 | 1 34 | 23 5 | 17 7 | 5 37 | 5 27 | 18 19 | | | n.a. |
| W10 | 23 52 | 2n17 | 0 55 | 23 59 | 1 5 | 17 59 | 1 30 | 17 4 | 2 41 | 7 44 | 1 39 | 23 39 | 1 29 | 1 35 | 0 38 | 13 58 | 1 34 | 23 6 | 17 8 | 5 37 | 5 26 | 18 19 | | | n.a. |
| T 11 | 23 50 | 6 14 | 0 s10 | 24 16 | 1 11 | 18 19 | 1 27 | 17 5 | 2 41 | 7 44 | 1 39 | 23 40 | 1 29 | 1 36 | 0 38 | 13 58 | 1 34 | 23 6 | 17 9 | 5 37 | 5 25 | 18 20 | | | n.a. |
| F 12 | 23 47 | 9 51 | 1 14 | 24 31 | 1 17 | 18 39 | 1 24 | 17 7 | 2 41 | 7 44 | 1 39 | 23 41 | 1 29 | 1 36 | 0 38 | 13 59 | 1 34 | 23 7 | 17 9 | 5 37 | 5 23 | 18 20 | | | n.a. |
| S 13 | 23 44 | 13 0 | 2 13 | 24 46 | 1 22 | 18 58 | 1 21 | 17 8 | 2 40 | 7 44 | 1 40 | 23 42 | 1 29 | 1 36 | 0 38 | 13 59 | 1 34 | 23 8 | 17 10 | 5 36 | 5 22 | 18 21 | | | n.a. |
| S 14 | 23 41 | 15 36 | 3 6 | 24 59 | 1 28 | 19 17 | 1 18 | 17 10 | 2 40 | 7 44 | 1 40 | 23 43 | 1 30 | 1 37 | 0 38 | 14 0 | 1 34 | 23 8 | 17 10 | 5 34 | 5 21 | 18 21 | | | n.a. |
| M15 | 23 37 | 17 32 | 3 50 | 25 10 | 1 32 | 19 35 | 1 15 | 17 13 | 2 39 | 7 44 | 1 40 | 23 44 | 1 30 | 1 37 | 0 38 | 14 0 | 1 34 | 23 9 | 17 11 | 5 31 | 5 20 | 18 21 | | | n.a. |
| T 16 | 23 32 | 18 43 | 4 25 | 25 20 | 1 37 | 19 53 | 1 12 | 17 15 | 2 39 | 7 44 | 1 41 | 23 44 | 1 30 | 1 37 | 0 38 | 14 0 | 1 35 | 23 10 | 17 11 | 5 27 | 5 18 | 18 22 | | | n.a. |
| W17 | 23 28 | 19 5 | 4 48 | 25 29 | 1 41 | 20 10 | 1 8 | 17 17 | 2 38 | 7 45 | 1 41 | 23 45 | 1 30 | 1 37 | 0 38 | 14 1 | 1 35 | 23 10 | 17 12 | 5 21 | 5 17 | 18 22 | | | n.a. |
| T 18 | 23 22 | 18 37 | 4 59 | 25 37 | 1 45 | 20 27 | 1 5 | 17 20 | 2 38 | 7 45 | 1 41 | 23 46 | 1 30 | 1 37 | 0 38 | 14 1 | 1 35 | 23 11 | 17 12 | 5 16 | 5 16 | 18 23 | | | n.a. |
| F 19 | 23 17 | 17 17 | 4 56 | 25 42 | 1 48 | 20 43 | 1 2 | 17 23 | 2 37 | 7 46 | 1 41 | 23 47 | 1 30 | 1 38 | 0 38 | 14 2 | 1 35 | 23 12 | 17 13 | 5 10 | 5 14 | 18 23 | | | n.a. |
| S 20 | 23 11 | 15 11 | 4 40 | 25 46 | 1 51 | 20 59 | 0 59 | 17 26 | 2 37 | 7 46 | 1 42 | 23 48 | 1 30 | 1 38 | 0 38 | 14 2 | 1 35 | 23 12 | 17 13 | 5 5 | 5 13 | 18 23 | | | n.a. |
| S 21 | 23 4 | 12 21 | 4 10 | 25 49 | 1 54 | 21 14 | 0 56 | 17 29 | 2 36 | 7 47 | 1 42 | 23 49 | 1 30 | 1 38 | 0 38 | 14 2 | 1 35 | 23 13 | 17 14 | 5 0 | 5 12 | 18 24 | | | n.a. |
| M22 | 22 57 | 8 57 | 3 28 | 25 49 | 1 56 | 21 28 | 0 52 | 17 33 | 2 36 | 7 47 | 1 42 | 23 50 | 1 30 | 1 38 | 0 38 | 14 3 | 1 35 | 23 14 | 17 14 | 4 57 | 5 11 | 18 24 | | | n.a. |
| T 23 | 22 50 | 5 5 | 2 35 | 25 48 | 1 58 | 21 42 | 0 49 | 17 36 | 2 35 | 7 48 | 1 43 | 23 50 | 1 31 | 1 38 | 0 38 | 14 3 | 1 35 | 23 15 | 17 15 | 4 54 | 5 9 | 18 25 | | | n.a. |
| W24 | 22 42 | 0 55 | 1 33 | 25 45 | 2 0 | 21 55 | 0 46 | 17 40 | 2 35 | 7 49 | 1 43 | 23 51 | 1 31 | 1 38 | 0 38 | 14 3 | 1 35 | 23 15 | 17 15 | 4 53 | 5 8 | 18 25 | | | n.a. |
| T 25 | 22 34 | 3 s23 | 0 25 | 25 40 | 2 1 | 22 8 | 0 43 | 17 44 | 2 34 | 7 50 | 1 43 | 23 52 | 1 31 | 1 38 | 0 38 | 14 4 | 1 35 | 23 16 | 17 15 | 4 53 | 5 7 | 18 25 | | | n.a. |
| F 26 | 22 25 | 7 37 | 0n46 | 25 33 | 2 1 | 22 20 | 0 39 | 17 48 | 2 34 | 7 51 | 1 43 | 23 53 | 1 31 | 1 38 | 0 38 | 14 4 | 1 35 | 23 17 | 17 16 | 4 53 | 5 6 | 18 26 | | | n.a. |
| S 27 | 22 16 | 11 32 | 1 57 | 25 24 | 2 1 | 22 31 | 0 36 | 17 52 | 2 33 | 7 52 | 1 44 | 23 54 | 1 31 | 1 38 | 0 38 | 14 4 | 1 35 | 23 18 | 17 16 | 4 53 | 5 4 | 18 26 | | | n.a. |
| S 28 | 22 6 | 14 54 | 3 2 | 25 13 | 2 1 | 22 42 | 0 33 | 17 56 | 2 32 | 7 53 | 1 44 | 23 54 | 1 31 | 1 38 | 0 38 | 14 4 | 1 35 | 23 18 | 17 17 | 4 52 | 5 3 | 18 26 | | | n.a. |
| M29 | 21 56 | 17 25 | 3 56 | 25 0 | 2 0 | 22 52 | 0 30 | 18 0 | 2 32 | 7 54 | 1 44 | 23 55 | 1 31 | 1 38 | 0 38 | 14 5 | 1 35 | 23 19 | 17 17 | 4 50 | 5 2 | 18 27 | | | n.a. |
| T 30 | 21 46 | 18 48 | 4 36 | 24 45 | 1 59 | 23 2 | 0 27 | 18 5 | 2 31 | 7 55 | 1 44 | 23 56 | 1 31 | 1 38 | 0 39 | 14 5 | 1 35 | 23 20 | 17 18 | 4 47 | 5 1 | 18 27 | | | n.a. |
| W31 | 21 s35 | 18 s55 | 4n58 | 24 s28 | 1 s57 | 23 s11 | 0n23 | 18n 9 | 2n31 | 7n56 | 1n45 | 23n57 | 1n31 | 1 s38 | 0n39 | 14 s 5 | 1n35 | 23n21 | 17n18 | 4 s43 | 4 s59 | 18n28 | | | n.a. |

Julian Day Number = 1002245.5, Delta T = 12h49m48s
Ecliptic obliquity = 23°55'06, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'14, Lahiri = -31°06'14 Julian Calendar 1 Jan. 1969 BCE == Greg. Calendar 15 Dec. 1970 BCE

The year -1968 astronomical counting style corresponds to year 1969 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## FEBRUARY 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 35 7 | 25♉49'40 | 18♉21 | 20♉59 | 21♐38 | 12♉23 | 14°R 9 | 19°R37 | 5°R28 | 11♏33 | 11°R14 | 11°R31 | 12♎20 | 14♊22 | n.a. | T 1 |
| F 2 | 7 39 3 | 26°49'12 | 3♒14 | 22°54 | 22°50 | 12°40 | 14♍ 6 | 19♋32 | 5♎27 | 11°34 | 11♍13 | 11♎20 | 12°17 | 14°29 | n.a. | F 2 |
| S 3 | 7 43 0 | 27°48'42 | 17°50 | 24°50 | 24° 3 | 12°57 | 14° 3 | 19°27 | 5°27 | 11°35 | 11°12 | 11°11 | 12°14 | 14°36 | n.a. | S 3 |
| S 4 | 7 46 56 | 28°48'09 | 2♓ 1 | 26°47 | 25°15 | 13°15 | 14° 0 | 19°23 | 5°26 | 11°35 | 11°11 | 11° 3 | 12°10 | 14°42 | n.a. | S 4 |
| M 5 | 7 50 53 | 29°47'34 | 15°45 | 28°44 | 26°28 | 13°33 | 13°56 | 19°18 | 5°26 | 11°36 | 11°10 | 10°58 | 12° 7 | 14°49 | n.a. | M 5 |
| T 6 | 7 54 49 | 0♒46'56 | 29° 0 | 0♒43 | 27°40 | 13°52 | 13°52 | 19°14 | 5°25 | 11°37 | 11° 9 | 10°55 | 12° 4 | 14°56 | n.a. | T 6 |
| W 7 | 7 58 46 | 1°46'16 | 11♈49 | 2°43 | 28°53 | 14°11 | 13°49 | 19° 9 | 5°25 | 11°38 | 11° 7 | 10°D55 | 12° 1 | 15° 2 | n.a. | W 7 |
| T 8 | 8 2 43 | 2°45'34 | 24°17 | 4°44 | 0♉ 5 | 14°31 | 13°44 | 19° 4 | 5°24 | 11°38 | 11° 6 | 10°55 | 11°58 | 15° 9 | n.a. | T 8 |
| F 9 | 8 6 39 | 3°44'49 | 6♉27 | 6°45 | 1°18 | 14°51 | 13°40 | 19° 0 | 5°23 | 11°39 | 11° 5 | 10°R55 | 11°55 | 15°16 | n.a. | F 9 |
| S 10 | 8 10 36 | 4°44'01 | 18°25 | 8°47 | 2°30 | 15°11 | 13°36 | 18°55 | 5°23 | 11°40 | 11° 4 | 10°54 | 11°51 | 15°22 | n.a. | S 10 |
| S 11 | 8 14 32 | 5°43'11 | 0♊17 | 10°49 | 3°43 | 15°31 | 13°31 | 18°51 | 5°22 | 11°40 | 11° 3 | 10°51 | 11°48 | 15°29 | n.a. | S 11 |
| M12 | 8 18 29 | 6°42'19 | 12° 7 | 12°52 | 4°56 | 15°52 | 13°27 | 18°47 | 5°21 | 11°41 | 11° 1 | 10°46 | 11°45 | 15°36 | n.a. | M12 |
| T 13 | 8 22 25 | 7°41'24 | 23°59 | 14°54 | 6° 8 | 16°14 | 13°22 | 18°42 | 5°20 | 11°42 | 11° 0 | 10°38 | 11°42 | 15°43 | n.a. | T 13 |
| W14 | 8 26 22 | 8°40'27 | 5♋57 | 16°56 | 7°21 | 16°35 | 13°17 | 18°38 | 5°19 | 11°42 | 10°59 | 10°28 | 11°39 | 15°49 | n.a. | W14 |
| T 15 | 8 30 18 | 9°39'28 | 18° 3 | 18°57 | 8°33 | 16°57 | 13°12 | 18°34 | 5°18 | 11°43 | 10°57 | 10°17 | 11°35 | 15°56 | n.a. | T 15 |
| F 16 | 8 34 15 | 10°38'26 | 0♌19 | 20°57 | 9°46 | 17°19 | 13° 6 | 18°30 | 5°17 | 11°43 | 10°56 | 10° 5 | 11°32 | 16° 3 | n.a. | F 16 |
| S 17 | 8 38 11 | 11°37'22 | 12°46 | 22°55 | 10°58 | 17°42 | 13° 1 | 18°25 | 5°16 | 11°43 | 10°54 | 9°55 | 11°29 | 16° 9 | n.a. | S 17 |
| S 18 | 8 42 8 | 12°36'16 | 25°24 | 24°52 | 12°11 | 18° 4 | 12°55 | 18°21 | 5°15 | 11°44 | 10°53 | 9°46 | 11°26 | 16°16 | n.a. | S 18 |
| M19 | 8 46 5 | 13°35'07 | 8♍13 | 26°47 | 13°24 | 18°28 | 12°50 | 18°17 | 5°14 | 11°44 | 10°52 | 9°39 | 11°23 | 16°23 | n.a. | M19 |
| T 20 | 8 50 1 | 14°33'56 | 21°14 | 28°39 | 14°36 | 18°51 | 12°44 | 18°13 | 5°13 | 11°44 | 10°50 | 9°35 | 11°20 | 16°30 | n.a. | T 20 |
| W21 | 8 53 58 | 15°32'44 | 4♎25 | 0♓29 | 15°49 | 19°14 | 12°38 | 18° 9 | 5°11 | 11°45 | 10°49 | 9°D34 | 11°16 | 16°36 | n.a. | W21 |
| T 22 | 8 57 54 | 16°31'29 | 17°50 | 2°15 | 17° 2 | 19°38 | 12°32 | 18° 6 | 5°10 | 11°45 | 10°47 | 9°34 | 11°13 | 16°43 | n.a. | T 22 |
| F 23 | 9 1 51 | 17°30'13 | 1♏27 | 3°58 | 18°14 | 20° 3 | 12°25 | 18° 2 | 5° 9 | 11°45 | 10°46 | 9°35 | 11°10 | 16°50 | n.a. | F 23 |
| S 24 | 9 5 47 | 18°28'55 | 15°17 | 5°36 | 19°27 | 20°27 | 12°19 | 17°58 | 5° 7 | 11°45 | 10°44 | 9°R36 | 11° 7 | 16°56 | n.a. | S 24 |
| S 25 | 9 9 44 | 19°27'35 | 29°22 | 7°11 | 20°40 | 20°52 | 12°13 | 17°54 | 5° 6 | 11°46 | 10°43 | 9°35 | 11° 4 | 17° 3 | n.a. | S 25 |
| M26 | 9 13 40 | 20°26'13 | 13♐40 | 8°41 | 21°52 | 21°17 | 12° 6 | 17°51 | 5° 4 | 11°46 | 10°41 | 9°33 | 11° 1 | 17°10 | n.a. | M26 |
| T 27 | 9 17 37 | 21°24'50 | 28° 9 | 10° 6 | 23° 5 | 21°42 | 11°59 | 17°47 | 5° 3 | 11°46 | 10°40 | 9°29 | 10°57 | 17°17 | n.a. | T 27 |
| W28 | 9 21 33 | 22°23'24 | 12♑44 | 11°26 | 24°18 | 22° 7 | 11°53 | 17°44 | 5° 1 | 11°46 | 10°38 | 9°23 | 10°54 | 17°23 | n.a. | W28 |
| T 29 | 9 25 30 | 23♒21'57 | 27♑19 | 12♓41 | 25♑31 | 22♉33 | 11♍46 | 17♋40 | 5♎ 0 | 11°R46 | 10♍36 | 9♎16 | 10♎51 | 17♊30 | n.a. | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21 s24 | 17 s42 | 4n59 | 24 s 8 | 1 s55 | 23 s19 | 0n20 | 18n14 | 2n30 | 7n58 | 1n45 | 23n58 | 1n31 | 1 s37 | 0n39 | 14 s 6 | 1n35 | 23n22 | 17n19 | 4 s39 | 4 s58 | 18n28 | | n.a. |
| F 2 | 21 13 | 15 17 | 4 40 | 23 46 | 1 52 | 23 26 | 0 17 | 18 19 | 2 30 | 7 59 | 1 45 | 23 58 | 1 31 | 1 37 | 0 39 | 14 6 | 1 35 | 23 22 | 17 19 | 4 34 | 4 57 | 18 28 | | n.a. |
| S 3 | 21 1 | 11 57 | 4 2 | 23 22 | 1 48 | 23 33 | 0 14 | 18 24 | 2 29 | 8 1 | 1 46 | 23 59 | 1 32 | 1 37 | 0 39 | 14 6 | 1 35 | 23 23 | 17 19 | 4 30 | 4 56 | 18 29 | | n.a. |
| S 4 | 20 49 | 8 0 | 3 11 | 22 56 | 1 44 | 23 39 | 0 11 | 18 29 | 2 28 | 8 2 | 1 46 | 24 0 | 1 32 | 1 37 | 0 39 | 14 6 | 1 35 | 23 24 | 17 20 | 4 27 | 4 54 | 18 29 | | n.a. |
| M 5 | 20 36 | 3 45 | 2 9 | 22 27 | 1 40 | 23 45 | 0 8 | 18 34 | 2 28 | 8 4 | 1 46 | 24 1 | 1 32 | 1 37 | 0 39 | 14 6 | 1 35 | 23 25 | 17 20 | 4 25 | 4 53 | 18 29 | | n.a. |
| T 6 | 20 23 | 0n33 | 1 3 | 21 56 | 1 35 | 23 49 | 0 5 | 18 39 | 2 27 | 8 6 | 1 46 | 24 1 | 1 32 | 1 36 | 0 39 | 14 7 | 1 35 | 23 25 | 17 20 | 4 24 | 4 52 | 18 30 | | n.a. |
| W 7 | 20 10 | 4 41 | 0 s 5 | 21 23 | 1 29 | 23 53 | 0 2 | 18 45 | 2 27 | 8 7 | 1 46 | 24 2 | 1 32 | 1 36 | 0 39 | 14 7 | 1 35 | 23 26 | 17 21 | 4 24 | 4 50 | 18 30 | | n.a. |
| T 8 | 19 56 | 8 30 | 1 11 | 20 48 | 1 22 | 23 57 | 0 s 2 | 18 50 | 2 26 | 8 9 | 1 47 | 24 3 | 1 32 | 1 36 | 0 39 | 14 7 | 1 35 | 23 27 | 17 21 | 4 24 | 4 49 | 18 30 | | n.a. |
| F 9 | 19 42 | 11 52 | 2 12 | 20 10 | 1 15 | 23 59 | 0 5 | 18 55 | 2 25 | 8 11 | 1 47 | 24 3 | 1 32 | 1 35 | 0 39 | 14 7 | 1 36 | 23 28 | 17 22 | 4 24 | 4 48 | 18 31 | | n.a. |
| S 10 | 19 28 | 14 41 | 3 6 | 19 31 | 1 8 | 24 1 | 0 8 | 19 1 | 2 25 | 8 13 | 1 47 | 24 4 | 1 32 | 1 35 | 0 39 | 14 7 | 1 36 | 23 29 | 17 22 | 4 24 | 4 47 | 18 31 | | n.a. |
| S 11 | 19 13 | 16 51 | 3 51 | 18 49 | 0 59 | 24 2 | 0 10 | 19 7 | 2 24 | 8 15 | 1 47 | 24 5 | 1 32 | 1 35 | 0 39 | 14 8 | 1 36 | 23 30 | 17 22 | 4 23 | 4 45 | 18 31 | | n.a. |
| M12 | 18 58 | 18 17 | 4 27 | 18 6 | 0 50 | 24 3 | 0 13 | 19 12 | 2 24 | 8 17 | 1 48 | 24 5 | 1 32 | 1 34 | 0 39 | 14 8 | 1 36 | 23 30 | 17 23 | 4 21 | 4 44 | 18 32 | | n.a. |
| T 13 | 18 43 | 18 56 | 4 51 | 17 21 | 0 41 | 24 3 | 0 16 | 19 18 | 2 23 | 8 19 | 1 48 | 24 6 | 1 32 | 1 34 | 0 39 | 14 8 | 1 36 | 23 31 | 17 23 | 4 17 | 4 43 | 18 32 | | n.a. |
| W14 | 18 27 | 18 45 | 5 2 | 16 34 | 0 31 | 24 2 | 0 19 | 19 24 | 2 22 | 8 21 | 1 48 | 24 7 | 1 32 | 1 34 | 0 39 | 14 8 | 1 36 | 23 32 | 17 23 | 4 13 | 4 42 | 18 32 | | n.a. |
| T 15 | 18 11 | 17 42 | 5 1 | 15 46 | 0 21 | 24 0 | 0 22 | 19 30 | 2 22 | 8 24 | 1 48 | 24 7 | 1 32 | 1 33 | 0 39 | 14 8 | 1 36 | 23 33 | 17 24 | 4 9 | 4 40 | 18 33 | | n.a. |
| F 16 | 17 55 | 15 51 | 4 45 | 14 57 | 0 10 | 23 58 | 0 25 | 19 36 | 2 21 | 8 26 | 1 48 | 24 8 | 1 32 | 1 33 | 0 39 | 14 8 | 1 36 | 23 34 | 17 24 | 4 4 | 4 39 | 18 33 | | n.a. |
| S 17 | 17 39 | 13 14 | 4 16 | 14 8 | 0n 1 | 23 55 | 0 27 | 19 42 | 2 21 | 8 28 | 1 49 | 24 9 | 1 32 | 1 32 | 0 39 | 14 8 | 1 36 | 23 34 | 17 24 | 4 0 | 4 38 | 18 33 | | n.a. |
| S 18 | 17 22 | 9 58 | 3 33 | 13 17 | 0 13 | 23 51 | 0 30 | 19 48 | 2 20 | 8 30 | 1 49 | 24 9 | 1 32 | 1 32 | 0 39 | 14 8 | 1 36 | 23 35 | 17 24 | 3 57 | 4 37 | 18 34 | | n.a. |
| M19 | 17 5 | 6 11 | 2 40 | 12 26 | 0 25 | 23 46 | 0 33 | 19 54 | 2 19 | 8 33 | 1 49 | 24 10 | 1 32 | 1 31 | 0 39 | 14 8 | 1 36 | 23 36 | 17 25 | 3 54 | 4 35 | 18 34 | | n.a. |
| T 20 | 16 47 | 2 4 | 1 37 | 11 36 | 0 37 | 23 41 | 0 35 | 20 0 | 2 19 | 8 35 | 1 49 | 24 10 | 1 32 | 1 31 | 0 39 | 14 8 | 1 36 | 23 37 | 17 25 | 3 52 | 4 34 | 18 34 | | n.a. |
| W21 | 16 30 | 2 s13 | 0 28 | 10 45 | 0 49 | 23 35 | 0 38 | 20 6 | 2 18 | 8 38 | 1 49 | 24 11 | 1 32 | 1 30 | 0 39 | 14 8 | 1 36 | 23 38 | 17 25 | 3 52 | 4 33 | 18 34 | | n.a. |
| T 22 | 16 12 | 6 27 | 0n44 | 9 56 | 1 2 | 23 29 | 0 40 | 20 12 | 2 18 | 8 40 | 1 49 | 24 11 | 1 32 | 1 30 | 0 39 | 14 8 | 1 36 | 23 38 | 17 25 | 3 52 | 4 31 | 18 35 | | n.a. |
| F 23 | 15 54 | 10 25 | 1 55 | 9 7 | 1 14 | 23 21 | 0 43 | 20 18 | 2 17 | 8 43 | 1 50 | 24 12 | 1 32 | 1 29 | 0 39 | 14 9 | 1 36 | 23 39 | 17 26 | 3 52 | 4 30 | 18 35 | | n.a. |
| S 24 | 15 35 | 13 53 | 3 0 | 8 19 | 1 26 | 23 13 | 0 45 | 20 24 | 2 17 | 8 46 | 1 50 | 24 12 | 1 32 | 1 29 | 0 39 | 14 9 | 1 36 | 23 40 | 17 26 | 3 52 | 4 29 | 18 35 | | n.a. |
| S 25 | 15 17 | 16 35 | 3 55 | 7 32 | 1 38 | 23 5 | 0 48 | 20 31 | 2 16 | 8 48 | 1 50 | 24 13 | 1 32 | 1 28 | 0 39 | 14 9 | 1 36 | 23 41 | 17 26 | 3 52 | 4 28 | 18 36 | | n.a. |
| M26 | 14 58 | 18 19 | 4 37 | 6 48 | 1 49 | 22 55 | 0 50 | 20 37 | 2 15 | 8 51 | 1 50 | 24 13 | 1 32 | 1 27 | 0 39 | 14 9 | 1 36 | 23 42 | 17 26 | 3 51 | 4 26 | 18 36 | | n.a. |
| T 27 | 14 39 | 18 53 | 5 2 | 6 5 | 2 0 | 22 45 | 0 52 | 20 43 | 2 15 | 8 54 | 1 50 | 24 14 | 1 32 | 1 27 | 0 39 | 14 9 | 1 36 | 23 42 | 17 26 | 3 50 | 4 25 | 18 36 | | n.a. |
| W28 | 14 20 | 18 12 | 5 7 | 5 24 | 2 11 | 22 35 | 0 54 | 20 49 | 2 14 | 8 56 | 1 50 | 24 14 | 1 32 | 1 26 | 0 39 | 14 8 | 1 36 | 23 43 | 17 27 | 3 47 | 4 24 | 18 36 | | n.a. |
| T 29 | 14 s 0 | 16 s20 | 4n53 | 4 s46 | 2n21 | 22 s23 | 0 s57 | 20n55 | 2n14 | 8n59 | 1n50 | 24n15 | 1n32 | 1 s25 | 0n39 | 14 s 8 | 1n36 | 23n44 | 17n27 | 3 s45 | 4 s23 | 18n37 | | n.a. |

Julian Day Number = 1002276.5, Delta T = 12h49m46s
Ecliptic obliquity = 23°55'06, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'10, Lahiri = -31°06'10 Julian Calendar 1 Feb. 1969 BCE == Greg. Calendar 15 Jan. 1969 BCE


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## MARCH 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 29 27 | 24♒20'28 | 11♒48 | 13♓51 | 26♉43 | 22♉59 | 11°R39 | 17°R37 | 4°R58 | 11°R46 | 10°R35 | 9°R 9 | 10♎48 | 17♊37 | n.a. | F 1 |
| S 2 | 9 33 23 | 25°18'56 | 26° 5 | 14°56 | 27°56 | 23°25 | 11♍32 | 17♋34 | 4♎56 | 11♏46 | 10♍33 | 9♎ 2 | 10°45 | 17°43 | n.a. | S 2 |
| S 3 | 9 37 20 | 26°17'23 | 10♓ 3 | 15°55 | 29° 9 | 23°51 | 11°25 | 17°31 | 4°54 | 11°46 | 10°32 | 8°57 | 10°41 | 17°50 | n.a. | S 3 |
| M 4 | 9 41 16 | 27°15'47 | 23°39 | 16°48 | 0♒22 | 24°18 | 11°18 | 17°27 | 4°53 | 11°46 | 10°30 | 8°54 | 10°38 | 17°57 | n.a. | M 4 |
| T 5 | 9 45 13 | 28°14'10 | 6♈52 | 17°35 | 1°34 | 24°44 | 11°10 | 17°24 | 4°51 | 11°45 | 10°28 | 8°D53 | 10°35 | 18° 4 | n.a. | T 5 |
| W 6 | 9 49 9 | 29°12'30 | 19°42 | 18°17 | 2°47 | 25°11 | 11° 3 | 17°22 | 4°49 | 11°45 | 10°27 | 8°54 | 10°32 | 18°10 | n.a. | W 6 |
| T 7 | 9 53 6 | 0♓10'48 | 2♉12 | 18°52 | 4° 0 | 25°38 | 10°56 | 17°19 | 4°47 | 11°45 | 10°25 | 8°55 | 10°29 | 18°17 | n.a. | T 7 |
| F 8 | 9 57 2 | 1° 9'03 | 14°25 | 19°22 | 5°13 | 26° 6 | 10°48 | 17°16 | 4°45 | 11°45 | 10°23 | 8°57 | 10°26 | 18°24 | n.a. | F 8 |
| S 9 | 10 0 59 | 2° 7'17 | 26°26 | 19°46 | 6°26 | 26°33 | 10°41 | 17°13 | 4°43 | 11°45 | 10°22 | 8°58 | 10°22 | 18°30 | n.a. | S 9 |
| S 10 | 10 4 55 | 3° 5'28 | 8♊20 | 20° 4 | 7°38 | 27° 1 | 10°33 | 17°11 | 4°41 | 11°44 | 10°20 | 8°R58 | 10°19 | 18°37 | n.a. | S 10 |
| M11 | 10 8 52 | 4° 3'37 | 20°12 | 20°16 | 8°51 | 27°29 | 10°26 | 17° 8 | 4°39 | 11°44 | 10°18 | 8°56 | 10°16 | 18°44 | n.a. | M11 |
| T 12 | 10 12 49 | 5° 1'45 | 2♋ 7 | 20°22 | 10° 4 | 27°57 | 10°18 | 17° 6 | 4°37 | 11°44 | 10°17 | 8°54 | 10°13 | 18°51 | n.a. | T 12 |
| W13 | 10 16 45 | 5°59'50 | 14° 8 | 20°R23 | 11°17 | 28°25 | 10°11 | 17° 4 | 4°35 | 11°43 | 10°15 | 8°49 | 10°10 | 18°57 | n.a. | W13 |
| T 14 | 10 20 42 | 6°57'52 | 26°19 | 20°18 | 12°30 | 28°54 | 10° 3 | 17° 1 | 4°33 | 11°43 | 10°13 | 8°44 | 10° 6 | 19° 4 | n.a. | T 14 |
| F 15 | 10 24 38 | 7°55'53 | 8♌44 | 20° 8 | 13°42 | 29°23 | 9°55 | 16°59 | 4°31 | 11°42 | 10°12 | 8°39 | 10° 3 | 19°11 | n.a. | F 15 |
| S 16 | 10 28 35 | 8°53'52 | 21°22 | 19°53 | 14°55 | 29°51 | 9°48 | 16°57 | 4°29 | 11°42 | 10°10 | 8°34 | 10° 0 | 19°17 | n.a. | S 16 |
| S 17 | 10 32 31 | 9°51'49 | 4♍16 | 19°34 | 16° 8 | 0♊20 | 9°40 | 16°55 | 4°27 | 11°41 | 10° 8 | 8°30 | 9°57 | 19°24 | n.a. | S 17 |
| M18 | 10 36 28 | 10°49'44 | 17°26 | 19°10 | 17°21 | 0°49 | 9°33 | 16°53 | 4°25 | 11°41 | 10° 7 | 8°27 | 9°54 | 19°31 | n.a. | M18 |
| T 19 | 10 40 24 | 11°47'37 | 0♎49 | 18°43 | 18°34 | 1°19 | 9°25 | 16°52 | 4°22 | 11°40 | 10° 5 | 8°26 | 9°51 | 19°38 | n.a. | T 19 |
| W20 | 10 44 21 | 12°45'29 | 14°25 | 18°12 | 19°47 | 1°48 | 9°17 | 16°50 | 4°20 | 11°40 | 10° 3 | 8°D26 | 9°47 | 19°44 | n.a. | W20 |
| T 21 | 10 48 17 | 13°43'19 | 28°12 | 17°39 | 21° 0 | 2°18 | 9°10 | 16°48 | 4°18 | 11°39 | 10° 1 | 8°27 | 9°44 | 19°51 | n.a. | T 21 |
| F 22 | 10 52 14 | 14°41'08 | 12♏ 8 | 17° 4 | 22°12 | 2°48 | 9° 2 | 16°47 | 4°16 | 11°38 | 10° 0 | 8°28 | 9°41 | 19°58 | n.a. | F 22 |
| S 23 | 10 56 11 | 15°38'56 | 26°12 | 16°27 | 23°25 | 3°17 | 8°54 | 16°46 | 4°13 | 11°38 | 9°58 | 8°29 | 9°38 | 20° 4 | n.a. | S 23 |
| S 24 | 11 0 7 | 16°36'42 | 10♐21 | 15°50 | 24°38 | 3°47 | 8°47 | 16°44 | 4°11 | 11°37 | 9°56 | 8°R30 | 9°35 | 20°11 | n.a. | S 24 |
| M25 | 11 4 4 | 17°34'26 | 24°35 | 15°13 | 25°51 | 4°18 | 8°39 | 16°43 | 4° 9 | 11°36 | 9°55 | 8°30 | 9°32 | 20°18 | n.a. | M25 |
| T 26 | 11 8 0 | 18°32'10 | 8♑49 | 14°36 | 27° 4 | 4°48 | 8°32 | 16°42 | 4° 6 | 11°35 | 9°53 | 8°29 | 9°28 | 20°25 | n.a. | T 26 |
| W27 | 11 11 57 | 19°29'52 | 23° 3 | 14° 1 | 28°17 | 5°18 | 8°25 | 16°41 | 4° 4 | 11°34 | 9°51 | 8°28 | 9°25 | 20°31 | n.a. | W27 |
| T 28 | 11 15 53 | 20°27'33 | 7♒12 | 13°27 | 29°30 | 5°49 | 8°17 | 16°40 | 4° 2 | 11°34 | 9°50 | 8°25 | 9°22 | 20°38 | n.a. | T 28 |
| F 29 | 11 19 50 | 21°25'13 | 21°13 | 12°56 | 0♓43 | 6°20 | 8°10 | 16°40 | 3°59 | 11°33 | 9°48 | 8°23 | 9°19 | 20°45 | n.a. | F 29 |
| S 30 | 11 23 46 | 22°22'51 | 5♓ 2 | 12°27 | 1°56 | 6°51 | 8° 3 | 16°39 | 3°57 | 11°32 | 9°46 | 8°21 | 9°16 | 20°51 | n.a. | S 30 |
| S 31 | 11 27 43 | 23♓20'28 | 18♓37 | 12♓ 2 | 3♓ 9 | 7♊22 | 7♍55 | 16♋38 | 3♎54 | 11♏31 | 9♍45 | 8♎19 | 9♎12 | 20♊58 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 13s40 | 13s26 | 4n20 | 4s10 | 2n31 | 22s11 | 0s59 | 21n 2 | 2n13 | 9n 2 | 1n51 | 24n15 | 1n32 | 1s25 | 0n39 | 14s 8 | 1n36 | 23n45 | 17n27 | 3s42 | 4s21 | 18n37 | | n.a. |
| S 2 | 13 20 | 9 47 | 3 31 | 3 36 | 2 40 | 21 59 | 1 1 | 21 8 | 2 12 | 9 5 | 1 51 | 24 16 | 1 32 | 1 24 | 0 39 | 14 8 | 1 37 | 23 46 | 17 27 | 3 39 | 4 20 | 18 37 | | n.a. |
| S 3 | 13 0 | 5 39 | 2 30 | 3 6 | 2 48 | 21 45 | 1 3 | 21 14 | 2 12 | 9 8 | 1 51 | 24 16 | 1 32 | 1 23 | 0 39 | 14 8 | 1 37 | 23 46 | 17 27 | 3 37 | 4 19 | 18 38 | | n.a. |
| M 4 | 12 40 | 1 19 | 1 22 | 2 38 | 2 55 | 21 32 | 1 5 | 21 20 | 2 11 | 9 10 | 1 51 | 24 16 | 1 32 | 1 23 | 0 39 | 14 8 | 1 37 | 23 47 | 17 27 | 3 36 | 4 18 | 18 38 | | n.a. |
| T 5 | 12 19 | 2n57 | 0 11 | 2 13 | 3 2 | 21 17 | 1 6 | 21 26 | 2 11 | 9 13 | 1 51 | 24 17 | 1 32 | 1 22 | 0 39 | 14 8 | 1 37 | 23 48 | 17 27 | 3 36 | 4 16 | 18 38 | | n.a. |
| W 6 | 11 59 | 6 57 | 0s58 | 1 52 | 3 7 | 21 2 | 1 8 | 21 33 | 2 10 | 9 16 | 1 51 | 24 17 | 1 32 | 1 21 | 0 39 | 14 8 | 1 37 | 23 49 | 17 28 | 3 36 | 4 15 | 18 38 | | n.a. |
| T 7 | 11 38 | 10 33 | 2 3 | 1 34 | 3 12 | 20 46 | 1 10 | 21 39 | 2 9 | 9 19 | 1 51 | 24 17 | 1 32 | 1 20 | 0 39 | 14 8 | 1 37 | 23 49 | 17 28 | 3 36 | 4 14 | 18 39 | | n.a. |
| F 8 | 11 17 | 13 36 | 3 1 | 1 19 | 3 15 | 20 30 | 1 12 | 21 45 | 2 9 | 9 22 | 1 51 | 24 18 | 1 32 | 1 20 | 0 39 | 14 8 | 1 37 | 23 50 | 17 28 | 3 37 | 4 12 | 18 39 | | n.a. |
| S 9 | 10 56 | 16 1 | 3 50 | 1 7 | 3 17 | 20 13 | 1 13 | 21 51 | 2 8 | 9 25 | 1 51 | 24 18 | 1 32 | 1 19 | 0 39 | 14 8 | 1 37 | 23 51 | 17 28 | 3 37 | 4 11 | 18 39 | | n.a. |
| S 10 | 10 34 | 17 43 | 4 29 | 0 59 | 3 18 | 19 56 | 1 15 | 21 57 | 2 8 | 9 28 | 1 51 | 24 18 | 1 32 | 1 18 | 0 39 | 14 8 | 1 37 | 23 52 | 17 28 | 3 37 | 4 10 | 18 39 | | n.a. |
| M11 | 10 13 | 18 38 | 4 55 | 0 54 | 3 18 | 19 38 | 1 16 | 22 3 | 2 7 | 9 31 | 1 51 | 24 19 | 1 32 | 1 17 | 0 39 | 14 7 | 1 37 | 23 52 | 17 28 | 3 37 | 4 9 | 18 40 | | n.a. |
| T 12 | 9 51 | 18 45 | 5 10 | 0 53 | 3 17 | 19 19 | 1 18 | 22 9 | 2 7 | 9 34 | 1 51 | 24 19 | 1 32 | 1 16 | 0 39 | 14 7 | 1 37 | 23 53 | 17 28 | 3 36 | 4 7 | 18 40 | | n.a. |
| W13 | 9 30 | 18 0 | 5 10 | 0 55 | 3 14 | 19 0 | 1 19 | 22 15 | 2 6 | 9 37 | 1 51 | 24 19 | 1 32 | 1 15 | 0 39 | 14 7 | 1 37 | 23 54 | 17 28 | 3 34 | 4 6 | 18 40 | | n.a. |
| T 14 | 9 8 | 16 27 | 4 57 | 1 1 | 3 10 | 18 40 | 1 20 | 22 21 | 2 5 | 9 40 | 1 51 | 24 19 | 1 32 | 1 15 | 0 39 | 14 7 | 1 37 | 23 54 | 17 28 | 3 32 | 4 5 | 18 40 | | n.a. |
| F 15 | 8 46 | 14 6 | 4 30 | 1 10 | 3 5 | 18 20 | 1 21 | 22 27 | 2 5 | 9 43 | 1 51 | 24 20 | 1 32 | 1 14 | 0 39 | 14 7 | 1 37 | 23 55 | 17 28 | 3 30 | 4 4 | 18 40 | | n.a. |
| S 16 | 8 24 | 11 3 | 3 49 | 1 22 | 2 58 | 18 0 | 1 23 | 22 33 | 2 4 | 9 46 | 1 51 | 24 20 | 1 32 | 1 13 | 0 39 | 14 7 | 1 37 | 23 56 | 17 28 | 3 28 | 4 2 | 18 41 | | n.a. |
| S 17 | 8 1 | 7 24 | 2 56 | 1 37 | 2 50 | 17 39 | 1 24 | 22 39 | 2 4 | 9 49 | 1 51 | 24 20 | 1 32 | 1 12 | 0 39 | 14 6 | 1 37 | 23 56 | 17 28 | 3 26 | 4 1 | 18 41 | | n.a. |
| M18 | 7 39 | 3 20 | 1 53 | 1 55 | 2 40 | 17 17 | 1 25 | 22 44 | 2 3 | 9 51 | 1 51 | 24 20 | 1 31 | 1 11 | 0 39 | 14 6 | 1 37 | 23 57 | 17 28 | 3 25 | 4 0 | 18 41 | | n.a. |
| T 19 | 7 17 | 0s58 | 0 42 | 2 16 | 2 30 | 16 55 | 1 26 | 22 50 | 2 3 | 9 54 | 1 51 | 24 21 | 1 31 | 1 10 | 0 39 | 14 6 | 1 37 | 23 58 | 17 28 | 3 24 | 3 58 | 18 41 | | n.a. |
| W20 | 6 54 | 5 17 | 0n33 | 2 39 | 2 18 | 16 32 | 1 26 | 22 56 | 2 2 | 9 57 | 1 51 | 24 21 | 1 31 | 1 9 | 0 39 | 14 6 | 1 37 | 23 58 | 17 28 | 3 24 | 3 57 | 18 42 | | n.a. |
| T 21 | 6 32 | 9 23 | 1 47 | 3 4 | 2 5 | 16 9 | 1 27 | 23 1 | 2 1 | 10 0 | 1 51 | 24 21 | 1 31 | 1 8 | 0 39 | 14 5 | 1 37 | 23 59 | 17 28 | 3 25 | 3 56 | 18 42 | | n.a. |
| F 22 | 6 9 | 13 1 | 2 55 | 3 31 | 1 51 | 15 46 | 1 28 | 23 7 | 2 1 | 10 3 | 1 51 | 24 21 | 1 31 | 1 7 | 0 39 | 14 5 | 1 37 | 24 0 | 17 28 | 3 25 | 3 55 | 18 42 | | n.a. |
| S 23 | 5 46 | 15 55 | 3 53 | 3 59 | 1 36 | 15 22 | 1 29 | 23 12 | 2 0 | 10 6 | 1 51 | 24 21 | 1 31 | 1 7 | 0 39 | 14 5 | 1 37 | 24 0 | 17 28 | 3 26 | 3 53 | 18 42 | | n.a. |
| S 24 | 5 23 | 17 52 | 4 38 | 4 27 | 1 21 | 14 58 | 1 29 | 23 17 | 2 0 | 10 9 | 1 51 | 24 21 | 1 31 | 1 6 | 0 39 | 14 5 | 1 37 | 24 1 | 17 28 | 3 26 | 3 52 | 18 42 | | n.a. |
| M25 | 5 0 | 18 43 | 5 6 | 4 57 | 1 5 | 14 33 | 1 30 | 23 23 | 1 59 | 10 12 | 1 51 | 24 21 | 1 31 | 1 5 | 0 40 | 14 4 | 1 37 | 24 1 | 17 28 | 3 26 | 3 51 | 18 43 | | n.a. |
| T 26 | 4 37 | 18 23 | 5 15 | 5 26 | 0 48 | 14 8 | 1 30 | 23 28 | 1 59 | 10 14 | 1 51 | 24 21 | 1 31 | 1 4 | 0 40 | 14 4 | 1 37 | 24 2 | 17 28 | 3 26 | 3 50 | 18 43 | | n.a. |
| W27 | 4 14 | 16 54 | 5 5 | 5 56 | 0 32 | 13 43 | 1 31 | 23 33 | 1 58 | 10 17 | 1 51 | 24 21 | 1 31 | 1 3 | 0 40 | 14 4 | 1 38 | 24 3 | 17 27 | 3 25 | 3 48 | 18 43 | | n.a. |
| T 28 | 3 51 | 14 23 | 4 36 | 6 24 | 0 15 | 13 17 | 1 31 | 23 38 | 1 58 | 10 20 | 1 51 | 24 21 | 1 31 | 1 2 | 0 40 | 14 4 | 1 38 | 24 3 | 17 27 | 3 24 | 3 47 | 18 43 | | n.a. |
| F 29 | 3 28 | 11 4 | 3 51 | 6 52 | 0s 2 | 12 51 | 1 31 | 23 43 | 1 57 | 10 22 | 1 50 | 24 21 | 1 31 | 1 1 | 0 40 | 14 3 | 1 38 | 24 4 | 17 27 | 3 23 | 3 46 | 18 43 | | n.a. |
| S 30 | 3 5 | 7 10 | 2 54 | 7 18 | 0 18 | 12 25 | 1 31 | 23 48 | 1 56 | 10 25 | 1 50 | 24 21 | 1 31 | 1 0 | 0 40 | 14 3 | 1 38 | 24 4 | 17 27 | 3 22 | 3 44 | 18 43 | | n.a. |
| S 31 | 2s42 | 2s58 | 1n47 | 7s42 | 0s34 | 11s58 | 1s31 | 23n53 | 1n56 | 10n28 | 1n50 | 24n21 | 1n31 | 0s59 | 0n40 | 14s 3 | 1n38 | 24n 5 | 17n27 | 3s22 | 3s43 | 18n44 | | n.a. |

Julian Day Number = 1002305.5, Delta T = 12h49m44s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'06, Lahiri = -31°06'06 Julian Calendar 1 March 1969 BCE == Greg. Calendar 13 Feb. 1969 BCE

The year -1968 astronomical counting style corresponds to year 1969 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## APRIL 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 31 39 | 24♓18'03 | 1♈55 | 11°R41 | 4♓22 | 7♊53 | 7°R48 | 16°R38 | 3°R52 | 11°R30 | 9°R43 | 8°D19 | 9♎ 9 | 21♊ 5 | n.a. | M 1 |
| T 2 | 11 35 36 | 25°15'37 | 14°55 | 11♓23 | 5°35 | 8°24 | 7♍41 | 16♋37 | 3♎49 | 11♏29 | 9♍42 | 8♎19 | 9° 6 | 21°12 | n.a. | T 2 |
| W 3 | 11 39 33 | 26°13'10 | 27°38 | 11°10 | 6°48 | 8°55 | 7°34 | 16°37 | 3°47 | 11°28 | 9°40 | 8°19 | 9° 3 | 21°18 | n.a. | W 3 |
| T 4 | 11 43 29 | 27°10'41 | 10♉ 5 | 11° 1 | 8° 1 | 9°27 | 7°27 | 16°37 | 3°44 | 11°27 | 9°38 | 8°20 | 9° 0 | 21°25 | n.a. | T 4 |
| F 5 | 11 47 26 | 28° 8'10 | 22°17 | 10°56 | 9°14 | 9°59 | 7°21 | 16°D37 | 3°42 | 11°26 | 9°37 | 8°21 | 8°57 | 21°32 | n.a. | F 5 |
| S 6 | 11 51 22 | 29° 5'39 | 4♊19 | 10°D56 | 10°27 | 10°30 | 7°14 | 16°37 | 3°39 | 11°25 | 9°35 | 8°22 | 8°53 | 21°38 | n.a. | S 6 |
| S 7 | 11 55 19 | 0♈ 3'05 | 16°14 | 11° 0 | 11°40 | 11° 2 | 7° 7 | 16°37 | 3°37 | 11°24 | 9°34 | 8°23 | 8°50 | 21°45 | n.a. | S 7 |
| M 8 | 11 59 15 | 1° 0'30 | 28° 7 | 11° 9 | 12°53 | 11°34 | 7° 1 | 16°37 | 3°35 | 11°23 | 9°32 | 8°R23 | 8°47 | 21°52 | n.a. | M 8 |
| T 9 | 12 3 12 | 1°57'54 | 10♋ 3 | 11°23 | 14° 6 | 12° 6 | 6°55 | 16°38 | 3°32 | 11°22 | 9°31 | 8°23 | 8°44 | 21°59 | n.a. | T 9 |
| W10 | 12 7 8 | 2°55'16 | 22° 5 | 11°41 | 15°19 | 12°39 | 6°48 | 16°38 | 3°30 | 11°20 | 9°29 | 8°23 | 8°41 | 22° 5 | n.a. | W10 |
| T 11 | 12 11 5 | 3°52'37 | 4♌18 | 12° 3 | 16°32 | 13°11 | 6°42 | 16°39 | 3°27 | 11°19 | 9°28 | 8°22 | 8°38 | 22°12 | n.a. | T 11 |
| F 12 | 12 15 2 | 4°49'57 | 16°46 | 12°29 | 17°45 | 13°43 | 6°36 | 16°40 | 3°25 | 11°18 | 9°26 | 8°22 | 8°34 | 22°19 | n.a. | F 12 |
| S 13 | 12 18 58 | 5°47'15 | 29°32 | 13° 0 | 18°58 | 14°16 | 6°30 | 16°40 | 3°22 | 11°17 | 9°25 | 8°21 | 8°31 | 22°25 | n.a. | S 13 |
| S 14 | 12 22 55 | 6°44'32 | 12♍38 | 13°35 | 20°11 | 14°49 | 6°24 | 16°41 | 3°20 | 11°16 | 9°23 | 8°21 | 8°28 | 22°32 | n.a. | S 14 |
| M15 | 12 26 51 | 7°41'47 | 26° 3 | 14°14 | 21°25 | 15°21 | 6°19 | 16°42 | 3°17 | 11°14 | 9°22 | 8°21 | 8°25 | 22°39 | n.a. | M15 |
| T 16 | 12 30 48 | 8°39'02 | 9♎48 | 14°57 | 22°38 | 15°54 | 6°13 | 16°43 | 3°15 | 11°13 | 9°20 | 8°21 | 8°22 | 22°46 | n.a. | T 16 |
| W17 | 12 34 44 | 9°36'16 | 23°49 | 15°43 | 23°51 | 16°27 | 6° 8 | 16°44 | 3°12 | 11°12 | 9°19 | 8°21 | 8°18 | 22°52 | n.a. | W17 |
| T 18 | 12 38 41 | 10°33'29 | 8♏ 4 | 16°34 | 25° 4 | 17° 0 | 6° 3 | 16°46 | 3°10 | 11°10 | 9°17 | 8°21 | 8°15 | 22°59 | n.a. | T 18 |
| F 19 | 12 42 37 | 11°30'41 | 22°27 | 17°27 | 26°17 | 17°33 | 5°58 | 16°47 | 3° 7 | 11° 9 | 9°16 | 8°21 | 8°12 | 23° 6 | n.a. | F 19 |
| S 20 | 12 46 34 | 12°27'53 | 6♐53 | 18°25 | 27°30 | 18° 7 | 5°53 | 16°48 | 3° 5 | 11° 8 | 9°15 | 8°20 | 8° 9 | 23°13 | n.a. | S 20 |
| S 21 | 12 50 31 | 13°25'04 | 21°18 | 19°26 | 28°43 | 18°40 | 5°48 | 16°50 | 3° 2 | 11° 6 | 9°13 | 8°20 | 8° 6 | 23°19 | n.a. | S 21 |
| M22 | 12 54 27 | 14°22'15 | 5♑38 | 20°30 | 29°57 | 19°13 | 5°43 | 16°52 | 3° 0 | 11° 5 | 9°12 | 8°20 | 8° 3 | 23°26 | n.a. | M22 |
| T 23 | 12 58 24 | 15°19'25 | 19°50 | 21°37 | 1♈10 | 19°47 | 5°39 | 16°53 | 2°57 | 11° 4 | 9°11 | 8°D20 | 7°59 | 23°33 | n.a. | T 23 |
| W24 | 13 2 20 | 16°16'34 | 3♒51 | 22°48 | 2°23 | 20°20 | 5°34 | 16°55 | 2°55 | 11° 2 | 9°10 | 8°20 | 7°56 | 23°39 | n.a. | W24 |
| T 25 | 13 6 17 | 17°13'44 | 17°40 | 24° 2 | 3°36 | 20°54 | 5°30 | 16°57 | 2°53 | 11° 1 | 9° 8 | 8°20 | 7°53 | 23°46 | n.a. | T 25 |
| F 26 | 13 10 13 | 18°10'53 | 1♓16 | 25°18 | 4°49 | 21°28 | 5°26 | 16°59 | 2°50 | 10°59 | 9° 7 | 8°21 | 7°50 | 23°53 | n.a. | F 26 |
| S 27 | 13 14 10 | 19° 8'01 | 14°40 | 26°38 | 6° 3 | 22° 2 | 5°22 | 17° 1 | 2°48 | 10°58 | 9° 6 | 8°22 | 7°47 | 24° 0 | n.a. | S 27 |
| S 28 | 13 18 6 | 20° 5'09 | 27°49 | 28° 1 | 7°16 | 22°36 | 5°18 | 17° 4 | 2°46 | 10°56 | 9° 5 | 8°23 | 7°43 | 24° 6 | n.a. | S 28 |
| M29 | 13 22 3 | 21° 2'16 | 10♈45 | 29°27 | 8°29 | 23°10 | 5°15 | 17° 6 | 2°43 | 10°55 | 9° 4 | 8°R23 | 7°40 | 24°13 | n.a. | M29 |
| T 30 | 13 26 0 | 21♈59'23 | 23♈28 | 0♈56 | 9♈43 | 23♊44 | 5♍12 | 17♋ 8 | 2♎41 | 10♏53 | 9♍ 3 | 8♎22 | 7♎37 | 24♊20 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 2s18 | 1n19 | 0n35 | 8s 5 | 0s50 | 11s31 | 1s31 | 23n57 | 1n55 | 10n30 | 1n50 | 24n21 | 1n31 | 0s58 | 0n40 | 14s 2 | 1n38 | 24n 5 | 17n27 | 3s22 | 3s42 | 18n44 | | n.a. | M 1 |
| T 2 | 1 55 | 5 26 | 0s37 | 8 26 | 1 5 | 11 4 | 1 31 | 24 2 | 1 55 | 10 33 | 1 50 | 24 21 | 1 31 | 0 57 | 0 40 | 14 2 | 1 38 | 24 6 | 17 27 | 3 22 | 3 41 | 18 44 | | n.a. | T 2 |
| W 3 | 1 32 | 9 13 | 1 45 | 8 44 | 1 19 | 10 36 | 1 31 | 24 6 | 1 54 | 10 35 | 1 50 | 24 21 | 1 30 | 0 56 | 0 40 | 14 2 | 1 38 | 24 6 | 17 26 | 3 22 | 3 39 | 18 44 | | n.a. | W 3 |
| T 4 | 1 9 | 12 30 | 2 47 | 9 0 | 1 33 | 10 8 | 1 31 | 24 11 | 1 54 | 10 38 | 1 50 | 24 21 | 1 30 | 0 55 | 0 40 | 14 1 | 1 38 | 24 7 | 17 26 | 3 22 | 3 38 | 18 44 | | n.a. | T 4 |
| F 5 | 0 45 | 15 10 | 3 40 | 9 14 | 1 46 | 9 40 | 1 31 | 24 15 | 1 53 | 10 40 | 1 49 | 24 21 | 1 30 | 0 54 | 0 40 | 14 1 | 1 38 | 24 7 | 17 26 | 3 23 | 3 37 | 18 44 | | n.a. | F 5 |
| S 6 | 0 22 | 17 8 | 4 23 | 9 25 | 1 58 | 9 11 | 1 31 | 24 19 | 1 53 | 10 43 | 1 49 | 24 21 | 1 30 | 0 53 | 0 40 | 14 1 | 1 38 | 24 7 | 17 26 | 3 23 | 3 36 | 18 45 | | n.a. | S 6 |
| S 7 | 0n 1 | 18 19 | 4 54 | 9 34 | 2 9 | 8 43 | 1 30 | 24 24 | 1 52 | 10 45 | 1 49 | 24 21 | 1 30 | 0 52 | 0 40 | 14 0 | 1 38 | 24 8 | 17 25 | 3 23 | 3 34 | 18 45 | | n.a. | S 7 |
| M 8 | 0 25 | 18 42 | 5 12 | 9 40 | 2 19 | 8 14 | 1 30 | 24 28 | 1 51 | 10 47 | 1 49 | 24 21 | 1 30 | 0 51 | 0 39 | 14 0 | 1 38 | 24 8 | 17 25 | 3 23 | 3 33 | 18 45 | | n.a. | M 8 |
| T 9 | 0 48 | 18 16 | 5 17 | 9 43 | 2 28 | 7 45 | 1 29 | 24 32 | 1 51 | 10 50 | 1 49 | 24 21 | 1 30 | 0 50 | 0 39 | 13 59 | 1 38 | 24 9 | 17 25 | 3 23 | 3 32 | 18 45 | | n.a. | T 9 |
| W10 | 1 11 | 17 0 | 5 8 | 9 44 | 2 37 | 7 15 | 1 29 | 24 35 | 1 50 | 10 52 | 1 49 | 24 21 | 1 30 | 0 49 | 0 39 | 13 59 | 1 38 | 24 9 | 17 25 | 3 23 | 3 30 | 18 45 | | n.a. | W10 |
| T 11 | 1 34 | 14 57 | 4 45 | 9 42 | 2 44 | 6 46 | 1 28 | 24 39 | 1 50 | 10 54 | 1 48 | 24 21 | 1 30 | 0 48 | 0 39 | 13 59 | 1 38 | 24 9 | 17 24 | 3 23 | 3 29 | 18 45 | | n.a. | T 11 |
| F 12 | 1 57 | 12 11 | 4 9 | 9 37 | 2 50 | 6 16 | 1 28 | 24 43 | 1 49 | 10 56 | 1 48 | 24 20 | 1 30 | 0 47 | 0 39 | 13 58 | 1 38 | 24 10 | 17 24 | 3 23 | 3 28 | 18 45 | | n.a. | F 12 |
| S 13 | 2 21 | 8 46 | 3 19 | 9 30 | 2 56 | 5 46 | 1 27 | 24 46 | 1 49 | 10 58 | 1 48 | 24 20 | 1 30 | 0 46 | 0 39 | 13 58 | 1 38 | 24 10 | 17 24 | 3 23 | 3 27 | 18 46 | | n.a. | S 13 |
| S 14 | 2 44 | 4 50 | 2 18 | 9 21 | 3 1 | 5 16 | 1 26 | 24 49 | 1 48 | 11 0 | 1 48 | 24 20 | 1 30 | 0 45 | 0 39 | 13 57 | 1 38 | 24 10 | 17 24 | 3 23 | 3 25 | 18 46 | | n.a. | S 14 |
| M15 | 3 7 | 0 34 | 1 8 | 9 9 | 3 4 | 4 46 | 1 25 | 24 53 | 1 48 | 11 2 | 1 48 | 24 20 | 1 30 | 0 44 | 0 39 | 13 57 | 1 38 | 24 11 | 17 23 | 3 23 | 3 24 | 18 46 | | n.a. | M15 |
| T 16 | 3 30 | 3s50 | 0n 8 | 8 55 | 3 7 | 4 16 | 1 24 | 24 56 | 1 47 | 11 4 | 1 47 | 24 20 | 1 29 | 0 43 | 0 39 | 13 57 | 1 38 | 24 11 | 17 23 | 3 23 | 3 23 | 18 46 | | n.a. | T 16 |
| W17 | 3 53 | 8 7 | 1 25 | 8 38 | 3 9 | 3 46 | 1 23 | 24 59 | 1 46 | 11 6 | 1 47 | 24 19 | 1 29 | 0 42 | 0 39 | 13 56 | 1 38 | 24 11 | 17 23 | 3 23 | 3 21 | 18 46 | | n.a. | W17 |
| T 18 | 4 16 | 12 0 | 2 37 | 8 19 | 3 11 | 3 15 | 1 22 | 25 2 | 1 46 | 11 8 | 1 47 | 24 19 | 1 29 | 0 41 | 0 39 | 13 56 | 1 38 | 24 11 | 17 22 | 3 23 | 3 20 | 18 46 | | n.a. | T 18 |
| F 19 | 4 38 | 15 11 | 3 41 | 7 58 | 3 11 | 2 44 | 1 21 | 25 4 | 1 45 | 11 9 | 1 47 | 24 19 | 1 29 | 0 40 | 0 39 | 13 55 | 1 38 | 24 12 | 17 22 | 3 22 | 3 19 | 18 46 | | n.a. | F 19 |
| S 20 | 5 1 | 17 27 | 4 31 | 7 35 | 3 11 | 2 14 | 1 20 | 25 7 | 1 45 | 11 11 | 1 46 | 24 19 | 1 29 | 0 39 | 0 39 | 13 55 | 1 38 | 24 12 | 17 22 | 3 22 | 3 18 | 18 46 | | n.a. | S 20 |
| S 21 | 5 24 | 18 35 | 5 3 | 7 10 | 3 10 | 1 43 | 1 19 | 25 9 | 1 44 | 11 12 | 1 46 | 24 18 | 1 29 | 0 38 | 0 39 | 13 54 | 1 38 | 24 12 | 17 21 | 3 22 | 3 16 | 18 47 | | n.a. | S 21 |
| M22 | 5 47 | 18 31 | 5 17 | 6 42 | 3 8 | 1 12 | 1 17 | 25 12 | 1 44 | 11 14 | 1 46 | 24 18 | 1 29 | 0 37 | 0 39 | 13 54 | 1 38 | 24 12 | 17 21 | 3 22 | 3 15 | 18 47 | | n.a. | M22 |
| T 23 | 6 9 | 17 18 | 5 11 | 6 13 | 3 5 | 0 41 | 1 16 | 25 14 | 1 43 | 11 15 | 1 46 | 24 18 | 1 29 | 0 36 | 0 39 | 13 53 | 1 38 | 24 12 | 17 21 | 3 22 | 3 14 | 18 47 | | n.a. | T 23 |
| W24 | 6 31 | 15 3 | 4 46 | 5 41 | 3 2 | 0 10 | 1 15 | 25 16 | 1 43 | 11 17 | 1 45 | 24 17 | 1 29 | 0 35 | 0 39 | 13 53 | 1 38 | 24 13 | 17 20 | 3 22 | 3 13 | 18 47 | | n.a. | W24 |
| T 25 | 6 54 | 11 57 | 4 5 | 5 8 | 2 58 | 0n21 | 1 13 | 25 18 | 1 42 | 11 18 | 1 45 | 24 17 | 1 29 | 0 34 | 0 39 | 13 53 | 1 38 | 24 13 | 17 20 | 3 22 | 3 11 | 18 47 | | n.a. | T 25 |
| F 26 | 7 16 | 8 16 | 3 11 | 4 33 | 2 53 | 0 51 | 1 12 | 25 20 | 1 42 | 11 19 | 1 45 | 24 17 | 1 29 | 0 33 | 0 39 | 13 52 | 1 38 | 24 13 | 17 19 | 3 23 | 3 10 | 18 47 | | n.a. | F 26 |
| S 27 | 7 38 | 4 12 | 2 8 | 3 55 | 2 48 | 1 22 | 1 10 | 25 21 | 1 41 | 11 21 | 1 45 | 24 16 | 1 29 | 0 32 | 0 39 | 13 52 | 1 38 | 24 13 | 17 19 | 3 23 | 3 9 | 18 47 | | n.a. | S 27 |
| S 28 | 8 0 | 0n 0 | 0 58 | 3 16 | 2 42 | 1 53 | 1 9 | 25 23 | 1 40 | 11 22 | 1 44 | 24 16 | 1 29 | 0 31 | 0 39 | 13 51 | 1 38 | 24 13 | 17 19 | 3 23 | 3 7 | 18 47 | | n.a. | S 28 |
| M29 | 8 22 | 4 8 | 0s13 | 2 36 | 2 36 | 2 24 | 1 7 | 25 24 | 1 40 | 11 23 | 1 44 | 24 16 | 1 28 | 0 30 | 0 39 | 13 51 | 1 38 | 24 13 | 17 18 | 3 23 | 3 6 | 18 47 | | n.a. | M29 |
| T 30 | 8n44 | 8n 1 | 1s22 | 1s53 | 2s29 | 2n55 | 1s 6 | 25n25 | 1n39 | 11n24 | 1n44 | 24n15 | 1n28 | 0s29 | 0n39 | 13s50 | 1n38 | 24n13 | 17n18 | 3s23 | 3s 5 | 18n47 | | n.a. | T 30 |

Julian Day Number = 1002336.5, Delta T = 12h49m42s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°13'02, Lahiri = -31°06'02 Julian Calendar 1 Apr. 1969 BCE == Greg. Calendar 15 March 1969 BCE


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## MAY 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 29 56 | 22♈56'30 | 5♉58 | 2♈28 | 10♈56 | 24♊18 | 5°R 8 | 17♋11 | 2°R39 | 10°R52 | 9°R 1 | 8°R21 | 7♎34 | 24♊26 | n.a. | W 1 |
| T 2 | 13 33 53 | 23°53'36 | 18°16 | 4° 3 | 12° 9 | 24°53 | 5♍ 5 | 17°14 | 2♎36 | 10♏50 | 9♍ 0 | 8♎19 | 7°31 | 24°33 | n.a. | T 2 |
| F 3 | 13 37 49 | 24°50'41 | 0♊24 | 5°40 | 13°22 | 25°27 | 5° 2 | 17°16 | 2°34 | 10°49 | 8°59 | 8°17 | 7°28 | 24°40 | n.a. | F 3 |
| S 4 | 13 41 46 | 25°47'47 | 12°23 | 7°21 | 14°36 | 26° 2 | 5° 0 | 17°19 | 2°32 | 10°47 | 8°58 | 8°15 | 7°24 | 24°47 | n.a. | S 4 |
| S 5 | 13 45 42 | 26°44'51 | 24°17 | 9° 4 | 15°49 | 26°36 | 4°57 | 17°22 | 2°30 | 10°46 | 8°57 | 8°12 | 7°21 | 24°53 | n.a. | S 5 |
| M 6 | 13 49 39 | 27°41'55 | 6♋10 | 10°50 | 17° 3 | 27°11 | 4°55 | 17°25 | 2°27 | 10°44 | 8°56 | 8°10 | 7°18 | 25° 0 | n.a. | M 6 |
| T 7 | 13 53 36 | 28°38'59 | 18° 4 | 12°39 | 18°16 | 27°46 | 4°53 | 17°28 | 2°25 | 10°43 | 8°55 | 8° 9 | 7°15 | 25° 7 | n.a. | T 7 |
| W 8 | 13 57 32 | 29°36'01 | 0♌ 5 | 14°30 | 19°29 | 28°21 | 4°51 | 17°31 | 2°23 | 10°41 | 8°54 | 8°D 8 | 7°12 | 25°13 | n.a. | W 8 |
| T 9 | 14 1 29 | 0♉33'04 | 12°16 | 16°24 | 20°43 | 28°56 | 4°49 | 17°34 | 2°21 | 10°39 | 8°54 | 8° 9 | 7° 9 | 25°20 | n.a. | T 9 |
| F 10 | 14 5 25 | 1°30'06 | 24°44 | 18°21 | 21°56 | 29°31 | 4°47 | 17°38 | 2°19 | 10°38 | 8°53 | 8°10 | 7° 5 | 25°27 | n.a. | F 10 |
| S 11 | 14 9 22 | 2°27'07 | 7♍30 | 20°20 | 23°10 | 0♋ 6 | 4°46 | 17°41 | 2°17 | 10°36 | 8°52 | 8°11 | 7° 2 | 25°34 | n.a. | S 11 |
| S 12 | 14 13 18 | 3°24'09 | 20°40 | 22°21 | 24°23 | 0°41 | 4°45 | 17°45 | 2°15 | 10°35 | 8°51 | 8°13 | 6°59 | 25°40 | n.a. | S 12 |
| M13 | 14 17 15 | 4°21'09 | 4♎14 | 24°24 | 25°36 | 1°16 | 4°44 | 17°48 | 2°13 | 10°33 | 8°50 | 8°R14 | 6°56 | 25°47 | n.a. | M13 |
| T 14 | 14 21 11 | 5°18'10 | 18°13 | 26°28 | 26°50 | 1°52 | 4°43 | 17°52 | 2°11 | 10°31 | 8°50 | 8°13 | 6°53 | 25°54 | n.a. | T 14 |
| W15 | 14 25 8 | 6°15'11 | 2♏34 | 28°35 | 28° 3 | 2°27 | 4°42 | 17°56 | 2° 9 | 10°30 | 8°49 | 8°12 | 6°49 | 26° 1 | n.a. | W15 |
| T 16 | 14 29 5 | 7°12'11 | 17°12 | 0♉42 | 29°17 | 3° 2 | 4°41 | 17°59 | 2° 7 | 10°28 | 8°48 | 8° 9 | 6°46 | 26° 7 | n.a. | T 16 |
| F 17 | 14 33 1 | 8° 9'12 | 2♐ 2 | 2°51 | 0♉30 | 3°38 | 4°41 | 18° 3 | 2° 5 | 10°27 | 8°48 | 8° 5 | 6°43 | 26°14 | n.a. | F 17 |
| S 18 | 14 36 58 | 9° 6'13 | 16°54 | 5° 0 | 1°44 | 4°14 | 4°41 | 18° 7 | 2° 4 | 10°25 | 8°47 | 8° 1 | 6°40 | 26°21 | n.a. | S 18 |
| S 19 | 14 40 54 | 10° 3'15 | 1♑41 | 7°10 | 2°57 | 4°49 | 4°D41 | 18°11 | 2° 2 | 10°23 | 8°46 | 7°57 | 6°37 | 26°27 | n.a. | S 19 |
| M20 | 14 44 51 | 11° 0'17 | 16°16 | 9°20 | 4°11 | 5°25 | 4°41 | 18°16 | 2° 0 | 10°22 | 8°46 | 7°54 | 6°34 | 26°34 | n.a. | M20 |
| T 21 | 14 48 47 | 11°57'19 | 0♒34 | 11°30 | 5°25 | 6° 1 | 4°41 | 18°20 | 1°58 | 10°20 | 8°45 | 7°52 | 6°30 | 26°41 | n.a. | T 21 |
| W22 | 14 52 44 | 12°54'22 | 14°34 | 13°40 | 6°38 | 6°37 | 4°42 | 18°24 | 1°57 | 10°18 | 8°45 | 7°D51 | 6°27 | 26°48 | n.a. | W22 |
| T 23 | 14 56 41 | 13°51'25 | 28°14 | 15°49 | 7°52 | 7°13 | 4°43 | 18°29 | 1°55 | 10°17 | 8°44 | 7°52 | 6°24 | 26°54 | n.a. | T 23 |
| F 24 | 15 0 37 | 14°48'29 | 11♓34 | 17°57 | 9° 5 | 7°49 | 4°43 | 18°33 | 1°53 | 10°15 | 8°44 | 7°54 | 6°21 | 27° 1 | n.a. | F 24 |
| S 25 | 15 4 34 | 15°45'34 | 24°38 | 20° 4 | 10°19 | 8°25 | 4°45 | 18°38 | 1°52 | 10°14 | 8°44 | 7°55 | 6°18 | 27° 8 | n.a. | S 25 |
| S 26 | 15 8 30 | 16°42'39 | 7♈28 | 22°10 | 11°33 | 9° 1 | 4°46 | 18°42 | 1°50 | 10°12 | 8°43 | 7°R56 | 6°14 | 27°14 | n.a. | S 26 |
| M27 | 15 12 27 | 17°39'45 | 20° 4 | 24°15 | 12°47 | 9°38 | 4°47 | 18°47 | 1°49 | 10°10 | 8°43 | 7°55 | 6°11 | 27°21 | n.a. | M27 |
| T 28 | 15 16 23 | 18°36'51 | 2♉29 | 26°18 | 14° 0 | 10°14 | 4°49 | 18°52 | 1°47 | 10° 9 | 8°43 | 7°52 | 6° 8 | 27°28 | n.a. | T 28 |
| W29 | 15 20 20 | 19°33'58 | 14°45 | 28°20 | 15°14 | 10°51 | 4°51 | 18°56 | 1°46 | 10° 7 | 8°42 | 7°48 | 6° 5 | 27°35 | n.a. | W29 |
| T 30 | 15 24 16 | 20°31'05 | 26°53 | 0♊20 | 16°28 | 11°27 | 4°53 | 19° 1 | 1°45 | 10° 6 | 8°42 | 7°41 | 6° 2 | 27°41 | n.a. | T 30 |
| F 31 | 15 28 13 | 21♉28'13 | 8♊54 | 2♊19 | 17♉41 | 12♋ 4 | 4♍55 | 19♋ 6 | 1♎43 | 10♏ 4 | 8♍42 | 7♎34 | 5♎59 | 27♊48 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 9n 6 | 11n28 | 2s27 | 1s 9 | 2s21 | 3n26 | 1s 4 | 25n26 | 1n39 | 11n25 | 1n44 | 24n15 | 1n28 | 0s28 | 0n39 | 13s50 | 1n38 | 24n13 | 17n17 | 3s23 | 3s 4 | 18n48 | | n.a. |
| T 2 | 9 27 | 14 22 | 3 23 | 0 23 | 2 13 | 3 57 | 1 2 | 25 27 | 1 38 | 11 26 | 1 43 | 24 15 | 1 28 | 0 28 | 0 39 | 13 49 | 1 38 | 24 13 | 17 17 | 3 22 | 3 2 | 18 48 | | n.a. |
| F 3 | 9 48 | 16 35 | 4 9 | 0n24 | 2 4 | 4 28 | 1 0 | 25 28 | 1 38 | 11 27 | 1 43 | 24 14 | 1 28 | 0 27 | 0 39 | 13 49 | 1 38 | 24 13 | 17 16 | 3 21 | 3 1 | 18 48 | | n.a. |
| S 4 | 10 10 | 18 3 | 4 44 | 1 13 | 1 55 | 4 58 | 0 58 | 25 29 | 1 37 | 11 27 | 1 43 | 24 14 | 1 28 | 0 26 | 0 39 | 13 48 | 1 38 | 24 13 | 17 16 | 3 20 | 3 0 | 18 48 | | n.a. |
| S 5 | 10 31 | 18 42 | 5 6 | 2 3 | 1 46 | 5 29 | 0 57 | 25 29 | 1 37 | 11 28 | 1 42 | 24 13 | 1 28 | 0 25 | 0 39 | 13 48 | 1 38 | 24 13 | 17 16 | 3 19 | 2 58 | 18 48 | | n.a. |
| M 6 | 10 52 | 18 32 | 5 15 | 2 54 | 1 36 | 5 59 | 0 55 | 25 29 | 1 36 | 11 29 | 1 42 | 24 13 | 1 28 | 0 24 | 0 39 | 13 47 | 1 38 | 24 13 | 17 15 | 3 18 | 2 57 | 18 48 | | n.a. |
| T 7 | 11 13 | 17 33 | 5 10 | 3 47 | 1 26 | 6 29 | 0 53 | 25 29 | 1 36 | 11 29 | 1 42 | 24 12 | 1 28 | 0 23 | 0 39 | 13 47 | 1 38 | 24 13 | 17 15 | 3 18 | 2 56 | 18 48 | | n.a. |
| W 8 | 11 33 | 15 47 | 4 52 | 4 41 | 1 15 | 7 0 | 0 51 | 25 29 | 1 35 | 11 30 | 1 41 | 24 12 | 1 28 | 0 22 | 0 39 | 13 46 | 1 38 | 24 13 | 17 14 | 3 17 | 2 55 | 18 48 | | n.a. |
| T 9 | 11 54 | 13 17 | 4 21 | 5 35 | 1 5 | 7 30 | 0 49 | 25 29 | 1 34 | 11 30 | 1 41 | 24 11 | 1 28 | 0 22 | 0 39 | 13 46 | 1 38 | 24 13 | 17 14 | 3 18 | 2 53 | 18 48 | | n.a. |
| F 10 | 12 14 | 10 8 | 3 37 | 6 30 | 0 54 | 8 0 | 0 47 | 25 29 | 1 34 | 11 30 | 1 41 | 24 11 | 1 28 | 0 21 | 0 39 | 13 45 | 1 38 | 24 13 | 17 13 | 3 18 | 2 52 | 18 48 | | n.a. |
| S 11 | 12 34 | 6 26 | 2 41 | 7 26 | 0 43 | 8 29 | 0 45 | 25 28 | 1 33 | 11 30 | 1 41 | 24 10 | 1 28 | 0 20 | 0 39 | 13 45 | 1 38 | 24 13 | 17 13 | 3 19 | 2 51 | 18 48 | | n.a. |
| S 12 | 12 54 | 2 19 | 1 35 | 8 23 | 0 31 | 8 59 | 0 42 | 25 28 | 1 33 | 11 31 | 1 40 | 24 10 | 1 28 | 0 19 | 0 39 | 13 44 | 1 38 | 24 13 | 17 12 | 3 19 | 2 50 | 18 48 | | n.a. |
| M13 | 13 13 | 2s 3 | 0 22 | 9 20 | 0 20 | 9 28 | 0 40 | 25 27 | 1 32 | 11 31 | 1 40 | 24 9 | 1 27 | 0 18 | 0 39 | 13 44 | 1 38 | 24 12 | 17 12 | 3 20 | 2 48 | 18 48 | | n.a. |
| T 14 | 13 33 | 6 26 | 0n55 | 10 16 | 0 9 | 9 57 | 0 38 | 25 26 | 1 32 | 11 31 | 1 40 | 24 9 | 1 27 | 0 18 | 0 39 | 13 43 | 1 38 | 24 12 | 17 11 | 3 19 | 2 47 | 18 48 | | n.a. |
| W15 | 13 52 | 10 35 | 2 9 | 11 13 | 0n 2 | 10 26 | 0 36 | 25 25 | 1 31 | 11 31 | 1 39 | 24 8 | 1 27 | 0 17 | 0 39 | 13 43 | 1 38 | 24 12 | 17 11 | 3 19 | 2 46 | 18 48 | | n.a. |
| T 16 | 14 11 | 14 9 | 3 17 | 12 8 | 0 12 | 10 55 | 0 34 | 25 24 | 1 31 | 11 31 | 1 39 | 24 7 | 1 27 | 0 16 | 0 39 | 13 42 | 1 38 | 24 12 | 17 10 | 3 18 | 2 44 | 18 48 | | n.a. |
| F 17 | 14 30 | 16 51 | 4 13 | 13 4 | 0 23 | 11 23 | 0 32 | 25 22 | 1 30 | 11 31 | 1 39 | 24 7 | 1 27 | 0 15 | 0 39 | 13 42 | 1 38 | 24 12 | 17 10 | 3 16 | 2 43 | 18 48 | | n.a. |
| S 18 | 14 49 | 18 26 | 4 51 | 13 58 | 0 33 | 11 51 | 0 29 | 25 20 | 1 30 | 11 30 | 1 38 | 24 6 | 1 27 | 0 15 | 0 39 | 13 41 | 1 38 | 24 11 | 17 9 | 3 14 | 2 42 | 18 48 | | n.a. |
| S 19 | 15 7 | 18 44 | 5 10 | 14 51 | 0 43 | 12 19 | 0 27 | 25 19 | 1 29 | 11 30 | 1 38 | 24 6 | 1 27 | 0 14 | 0 39 | 13 41 | 1 38 | 24 11 | 17 9 | 3 13 | 2 41 | 18 48 | | n.a. |
| M20 | 15 26 | 17 48 | 5 9 | 15 43 | 0 52 | 12 47 | 0 25 | 25 17 | 1 28 | 11 30 | 1 38 | 24 5 | 1 27 | 0 13 | 0 39 | 13 40 | 1 38 | 24 11 | 17 8 | 3 12 | 2 39 | 18 48 | | n.a. |
| T 21 | 15 44 | 15 45 | 4 48 | 16 33 | 1 1 | 13 14 | 0 22 | 25 14 | 1 28 | 11 29 | 1 37 | 24 4 | 1 27 | 0 13 | 0 39 | 13 40 | 1 38 | 24 11 | 17 7 | 3 11 | 2 38 | 18 48 | | n.a. |
| W22 | 16 1 | 12 48 | 4 11 | 17 21 | 1 9 | 13 41 | 0 20 | 25 12 | 1 27 | 11 29 | 1 37 | 24 4 | 1 27 | 0 12 | 0 39 | 13 39 | 1 38 | 24 10 | 17 7 | 3 11 | 2 37 | 18 48 | | n.a. |
| T 23 | 16 19 | 9 13 | 3 19 | 18 7 | 1 16 | 14 8 | 0 18 | 25 10 | 1 27 | 11 28 | 1 37 | 24 3 | 1 27 | 0 11 | 0 39 | 13 39 | 1 38 | 24 10 | 17 6 | 3 11 | 2 35 | 18 48 | | n.a. |
| F 24 | 16 36 | 5 14 | 2 19 | 18 51 | 1 23 | 14 34 | 0 15 | 25 7 | 1 26 | 11 28 | 1 36 | 24 2 | 1 27 | 0 11 | 0 39 | 13 38 | 1 38 | 24 10 | 17 6 | 3 11 | 2 34 | 18 48 | | n.a. |
| S 25 | 16 53 | 1 5 | 1 12 | 19 33 | 1 30 | 15 0 | 0 13 | 25 4 | 1 26 | 11 27 | 1 36 | 24 2 | 1 27 | 0 10 | 0 39 | 13 38 | 1 38 | 24 9 | 17 5 | 3 12 | 2 33 | 18 48 | | n.a. |
| S 26 | 17 10 | 3n 3 | 0 3 | 20 12 | 1 35 | 15 26 | 0 11 | 25 1 | 1 25 | 11 26 | 1 36 | 24 1 | 1 27 | 0 9 | 0 39 | 13 37 | 1 38 | 24 9 | 17 5 | 3 12 | 2 32 | 18 48 | | n.a. |
| M27 | 17 26 | 6 59 | 1s 6 | 20 50 | 1 40 | 15 51 | 0 8 | 24 58 | 1 25 | 11 25 | 1 35 | 24 0 | 1 27 | 0 9 | 0 39 | 13 37 | 1 38 | 24 9 | 17 4 | 3 12 | 2 30 | 18 48 | | n.a. |
| T 28 | 17 43 | 10 33 | 2 9 | 21 24 | 1 44 | 16 16 | 0 6 | 24 55 | 1 24 | 11 24 | 1 35 | 23 59 | 1 27 | 0 8 | 0 38 | 13 36 | 1 38 | 24 8 | 17 4 | 3 11 | 2 29 | 18 48 | | n.a. |
| W29 | 17 58 | 13 37 | 3 6 | 21 56 | 1 48 | 16 40 | 0 4 | 24 51 | 1 23 | 11 23 | 1 35 | 23 59 | 1 27 | 0 8 | 0 38 | 13 36 | 1 38 | 24 8 | 17 3 | 3 9 | 2 28 | 18 48 | | n.a. |
| T 30 | 18 14 | 16 4 | 3 54 | 22 26 | 1 51 | 17 4 | 0 1 | 24 47 | 1 23 | 11 22 | 1 35 | 23 58 | 1 26 | 0 7 | 0 38 | 13 35 | 1 38 | 24 7 | 17 2 | 3 7 | 2 26 | 18 48 | | n.a. |
| F 31 | 18n29 | 17n46 | 4s30 | 22n53 | 1n53 | 17n28 | 0n 1 | 24n43 | 1n22 | 11n21 | 1n34 | 23n57 | 1n26 | 0s 7 | 0n38 | 13s35 | 1n38 | 24n 7 | 17n 2 | 3s 4 | 2s25 | 18n48 | | n.a. |

Julian Day Number = 1002366.5, Delta T = 12h49m40s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'58, Lahiri = -31°05'57 Julian Calendar 1 May 1969 BCE == Greg. Calendar 14 Apr. 1969 BCE

The year -1968 astronomical counting style corresponds to year 1969 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## JUNE 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 32 10 | 22♉25'22 | 20♊49 | 4♊15 | 18♉55 | 12♋40 | 4♍57 | 19♋11 | 1°R42 | 10°R 2 | 8°R42 | 7°R26 | 5♎55 | 27♊55 | n.a. | S 1 |
| S 2 | 15 36 6 | 23°22'31 | 2♋42 | 6°10 | 20° 9 | 13°17 | 5° 0 | 19°16 | 1♎41 | 10♏ 1 | 8♍42 | 7♎17 | 5°52 | 28° 2 | n.a. | S 2 |
| M 3 | 15 40 3 | 24°19'40 | 14°33 | 8° 4 | 21°23 | 13°54 | 5° 2 | 19°22 | 1°40 | 9°59 | 8°42 | 7°10 | 5°49 | 28° 8 | n.a. | M 3 |
| T 4 | 15 43 59 | 25°16'50 | 26°26 | 9°55 | 22°37 | 14°31 | 5° 5 | 19°27 | 1°38 | 9°58 | 8°42 | 7° 5 | 5°46 | 28°15 | n.a. | T 4 |
| W 5 | 15 47 56 | 26°14'01 | 8♌25 | 11°45 | 23°51 | 15° 8 | 5° 8 | 19°32 | 1°37 | 9°56 | 8°D41 | 7° 1 | 5°43 | 28°22 | n.a. | W 5 |
| T 6 | 15 51 52 | 27°11'12 | 20°34 | 13°33 | 25° 4 | 15°45 | 5°11 | 19°38 | 1°36 | 9°55 | 8°41 | 6°59 | 5°40 | 28°28 | n.a. | T 6 |
| F 7 | 15 55 49 | 28° 8'23 | 2♍58 | 15°19 | 26°18 | 16°22 | 5°15 | 19°43 | 1°35 | 9°53 | 8°42 | 6°D59 | 5°36 | 28°35 | n.a. | F 7 |
| S 8 | 15 59 46 | 29° 5'35 | 15°41 | 17° 3 | 27°32 | 16°59 | 5°18 | 19°48 | 1°34 | 9°52 | 8°42 | 7° 0 | 5°33 | 28°42 | n.a. | S 8 |
| S 9 | 16 3 42 | 0♊ 2'47 | 28°47 | 18°46 | 28°46 | 17°36 | 5°22 | 19°54 | 1°33 | 9°50 | 8°42 | 7° 1 | 5°30 | 28°49 | n.a. | S 9 |
| M10 | 16 7 39 | 1° 0'01 | 12♎21 | 20°27 | 0♊ 0 | 18°14 | 5°26 | 20° 0 | 1°33 | 9°49 | 8°42 | 7°R 1 | 5°27 | 28°55 | n.a. | M10 |
| T 11 | 16 11 35 | 1°57'14 | 26°22 | 22° 6 | 1°14 | 18°51 | 5°30 | 20° 5 | 1°32 | 9°47 | 8°42 | 6°59 | 5°24 | 29° 2 | n.a. | T 11 |
| W12 | 16 15 32 | 2°54'29 | 10♏52 | 23°43 | 2°28 | 19°28 | 5°34 | 20°11 | 1°31 | 9°46 | 8°42 | 6°56 | 5°20 | 29° 9 | n.a. | W12 |
| T 13 | 16 19 28 | 3°51'45 | 25°44 | 25°19 | 3°42 | 20° 6 | 5°38 | 20°17 | 1°30 | 9°44 | 8°43 | 6°50 | 5°17 | 29°16 | n.a. | T 13 |
| F 14 | 16 23 25 | 4°49'01 | 10♐51 | 26°53 | 4°56 | 20°43 | 5°43 | 20°23 | 1°30 | 9°43 | 8°43 | 6°42 | 5°14 | 29°22 | n.a. | F 14 |
| S 15 | 16 27 21 | 5°46'19 | 26° 4 | 28°25 | 6°10 | 21°21 | 5°47 | 20°29 | 1°29 | 9°41 | 8°43 | 6°33 | 5°11 | 29°29 | n.a. | S 15 |
| S 16 | 16 31 18 | 6°43'38 | 11♑12 | 29°55 | 7°24 | 21°59 | 5°52 | 20°34 | 1°28 | 9°40 | 8°43 | 6°25 | 5° 8 | 29°36 | n.a. | S 16 |
| M17 | 16 35 15 | 7°40'58 | 26° 5 | 1♋23 | 8°38 | 22°36 | 5°57 | 20°40 | 1°28 | 9°39 | 8°44 | 6°18 | 5° 5 | 29°42 | n.a. | M17 |
| T 18 | 16 39 11 | 8°38'19 | 10♒37 | 2°50 | 9°52 | 23°14 | 6° 2 | 20°47 | 1°27 | 9°37 | 8°44 | 6°13 | 5° 1 | 29°49 | n.a. | T 18 |
| W19 | 16 43 8 | 9°35'42 | 24°43 | 4°14 | 11° 6 | 23°52 | 6° 7 | 20°53 | 1°27 | 9°36 | 8°45 | 6°10 | 4°58 | 29°56 | n.a. | W19 |
| T 20 | 16 47 4 | 10°33'06 | 8♓23 | 5°37 | 12°20 | 24°30 | 6°13 | 20°59 | 1°27 | 9°35 | 8°45 | 6°D 9 | 4°55 | 0♋ 3 | n.a. | T 20 |
| F 21 | 16 51 1 | 11°30'32 | 21°39 | 6°58 | 13°34 | 25° 8 | 6°18 | 21° 5 | 1°26 | 9°33 | 8°46 | 6° 9 | 4°52 | 0° 9 | n.a. | F 21 |
| S 22 | 16 54 57 | 12°27'59 | 4♈33 | 8°17 | 14°49 | 25°46 | 6°24 | 21°11 | 1°26 | 9°32 | 8°46 | 6°R10 | 4°49 | 0°16 | n.a. | S 22 |
| S 23 | 16 58 54 | 13°25'28 | 17°10 | 9°34 | 16° 3 | 26°24 | 6°30 | 21°18 | 1°26 | 9°31 | 8°47 | 6° 9 | 4°46 | 0°23 | n.a. | S 23 |
| M24 | 17 2 51 | 14°22'58 | 29°33 | 10°49 | 17°17 | 27° 3 | 6°36 | 21°24 | 1°26 | 9°29 | 8°48 | 6° 7 | 4°42 | 0°29 | n.a. | M24 |
| T 25 | 17 6 47 | 15°20'30 | 11♉45 | 12° 2 | 18°31 | 27°41 | 6°42 | 21°30 | 1°25 | 9°28 | 8°48 | 6° 2 | 4°39 | 0°36 | n.a. | T 25 |
| W26 | 17 10 44 | 16°18'04 | 23°50 | 13°13 | 19°45 | 28°19 | 6°49 | 21°37 | 1°25 | 9°27 | 8°49 | 5°54 | 4°36 | 0°43 | n.a. | W26 |
| T 27 | 17 14 40 | 17°15'39 | 5♊49 | 14°21 | 21° 0 | 28°58 | 6°55 | 21°43 | 1°D25 | 9°26 | 8°50 | 5°44 | 4°33 | 0°50 | n.a. | T 27 |
| F 28 | 17 18 37 | 18°13'16 | 17°44 | 15°27 | 22°14 | 29°36 | 7° 2 | 21°50 | 1°25 | 9°25 | 8°50 | 5°32 | 4°30 | 0°56 | n.a. | F 28 |
| S 29 | 17 22 33 | 19°10'54 | 29°36 | 16°31 | 23°28 | 0♌15 | 7° 8 | 21°56 | 1°25 | 9°24 | 8°51 | 5°18 | 4°26 | 1° 3 | n.a. | S 29 |
| S 30 | 17 26 30 | 20♊ 8'33 | 11♋28 | 17♋32 | 24♊43 | 0♌53 | 7♍15 | 22♋ 3 | 1♎26 | 9♏22 | 8♍52 | 5♎ 5 | 4♎23 | 1♋10 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n45 | 18n41 | 4s55 | 23n18 | 1n55 | 17n51 | 0n 3 | 24n39 | 1n22 | 11n20 | 1n34 | 23n56 | 1n26 | 0s 6 | 0n38 | 13s34 | 1n38 | 24n 6 | 17n 1 | 3s 0 | 2s24 | 18n48 | | n.a. |
| S 2 | 18 59 | 18 47 | 5 7 | 23 40 | 1 56 | 18 14 | 0 6 | 24 35 | 1 21 | 11 19 | 1 34 | 23 56 | 1 26 | 0 6 | 0 38 | 13 34 | 1 38 | 24 6 | 17 1 | 2 57 | 2 23 | 18 48 | | n.a. |
| M 3 | 19 14 | 18 3 | 5 5 | 24 0 | 1 56 | 18 36 | 0 8 | 24 31 | 1 21 | 11 18 | 1 33 | 23 55 | 1 26 | 0 5 | 0 38 | 13 33 | 1 38 | 24 5 | 17 0 | 2 54 | 2 21 | 18 48 | | n.a. |
| T 4 | 19 28 | 16 32 | 4 50 | 24 18 | 1 56 | 18 58 | 0 11 | 24 26 | 1 20 | 11 16 | 1 33 | 23 54 | 1 26 | 0 5 | 0 38 | 13 33 | 1 38 | 24 5 | 16 59 | 2 52 | 2 20 | 18 48 | | n.a. |
| W 5 | 19 42 | 14 18 | 4 23 | 24 33 | 1 55 | 19 19 | 0 13 | 24 21 | 1 19 | 11 15 | 1 33 | 23 53 | 1 26 | 0 5 | 0 38 | 13 32 | 1 38 | 24 4 | 16 59 | 2 50 | 2 19 | 18 48 | | n.a. |
| T 6 | 19 55 | 11 24 | 3 43 | 24 46 | 1 54 | 19 40 | 0 15 | 24 16 | 1 19 | 11 13 | 1 32 | 23 52 | 1 26 | 0 4 | 0 38 | 13 32 | 1 38 | 24 4 | 16 58 | 2 50 | 2 17 | 18 48 | | n.a. |
| F 7 | 20 8 | 7 57 | 2 53 | 24 56 | 1 52 | 20 0 | 0 18 | 24 11 | 1 18 | 11 12 | 1 32 | 23 51 | 1 26 | 0 4 | 0 38 | 13 31 | 1 38 | 24 3 | 16 58 | 2 49 | 2 16 | 18 48 | | n.a. |
| S 8 | 20 21 | 4 2 | 1 52 | 25 5 | 1 49 | 20 20 | 0 20 | 24 6 | 1 18 | 11 10 | 1 32 | 23 51 | 1 26 | 0 3 | 0 38 | 13 31 | 1 38 | 24 3 | 16 57 | 2 50 | 2 15 | 18 48 | | n.a. |
| S 9 | 20 34 | 0s11 | 0 44 | 25 12 | 1 46 | 20 39 | 0 22 | 24 1 | 1 17 | 11 9 | 1 31 | 23 50 | 1 26 | 0 3 | 0 38 | 13 30 | 1 38 | 24 2 | 16 57 | 2 50 | 2 14 | 18 48 | | n.a. |
| M10 | 20 46 | 4 32 | 0n29 | 25 16 | 1 43 | 20 57 | 0 24 | 23 55 | 1 17 | 11 7 | 1 31 | 23 49 | 1 26 | 0 3 | 0 38 | 13 30 | 1 38 | 24 1 | 16 56 | 2 50 | 2 12 | 18 48 | | n.a. |
| T 11 | 20 58 | 8 48 | 1 42 | 25 19 | 1 38 | 21 15 | 0 27 | 23 49 | 1 16 | 11 5 | 1 31 | 23 48 | 1 26 | 0 2 | 0 38 | 13 30 | 1 38 | 24 1 | 16 55 | 2 50 | 2 11 | 18 48 | | n.a. |
| W12 | 21 9 | 12 41 | 2 51 | 25 20 | 1 34 | 21 33 | 0 29 | 23 43 | 1 16 | 11 3 | 1 30 | 23 47 | 1 26 | 0 2 | 0 38 | 13 29 | 1 38 | 24 0 | 16 55 | 2 48 | 2 10 | 18 48 | | n.a. |
| T 13 | 21 21 | 15 51 | 3 50 | 25 19 | 1 29 | 21 49 | 0 31 | 23 37 | 1 15 | 11 1 | 1 30 | 23 46 | 1 26 | 0 2 | 0 38 | 13 29 | 1 38 | 24 0 | 16 54 | 2 46 | 2 8 | 18 48 | | n.a. |
| F 14 | 21 31 | 18 0 | 4 34 | 25 16 | 1 24 | 22 5 | 0 33 | 23 31 | 1 14 | 10 59 | 1 30 | 23 45 | 1 26 | 0 2 | 0 38 | 13 28 | 1 38 | 23 59 | 16 54 | 2 43 | 2 7 | 18 48 | | n.a. |
| S 15 | 21 42 | 18 52 | 4 59 | 25 12 | 1 18 | 22 21 | 0 35 | 23 24 | 1 14 | 10 57 | 1 30 | 23 44 | 1 26 | 0 1 | 0 38 | 13 28 | 1 38 | 23 58 | 16 53 | 2 39 | 2 6 | 18 48 | | n.a. |
| S 16 | 21 52 | 18 24 | 5 3 | 25 7 | 1 11 | 22 36 | 0 38 | 23 17 | 1 13 | 10 55 | 1 29 | 23 43 | 1 26 | 0 1 | 0 38 | 13 27 | 1 38 | 23 58 | 16 52 | 2 36 | 2 5 | 18 48 | | n.a. |
| M17 | 22 2 | 16 40 | 4 47 | 24 59 | 1 5 | 22 50 | 0 40 | 23 10 | 1 13 | 10 53 | 1 29 | 23 42 | 1 26 | 0 1 | 0 38 | 13 27 | 1 38 | 23 57 | 16 52 | 2 33 | 2 3 | 18 48 | | n.a. |
| T 18 | 22 11 | 13 54 | 4 12 | 24 51 | 0 58 | 23 4 | 0 42 | 23 3 | 1 12 | 10 51 | 1 29 | 23 41 | 1 26 | 0 1 | 0 38 | 13 27 | 1 38 | 23 56 | 16 51 | 2 31 | 2 2 | 18 48 | | n.a. |
| W19 | 22 20 | 10 22 | 3 22 | 24 41 | 0 50 | 23 17 | 0 44 | 22 56 | 1 12 | 10 49 | 1 28 | 23 40 | 1 26 | 0 1 | 0 38 | 13 26 | 1 38 | 23 55 | 16 51 | 2 30 | 2 1 | 18 48 | | n.a. |
| T 20 | 22 29 | 6 24 | 2 22 | 24 30 | 0 42 | 23 29 | 0 46 | 22 49 | 1 11 | 10 46 | 1 28 | 23 39 | 1 26 | 0 1 | 0 38 | 13 26 | 1 38 | 23 55 | 16 50 | 2 29 | 2 0 | 18 47 | | n.a. |
| F 21 | 22 37 | 2 13 | 1 17 | 24 18 | 0 34 | 23 41 | 0 48 | 22 41 | 1 10 | 10 44 | 1 28 | 23 38 | 1 26 | 0 1 | 0 38 | 13 25 | 1 38 | 23 54 | 16 49 | 2 29 | 1 58 | 18 47 | | n.a. |
| S 22 | 22 45 | 1n58 | 0 9 | 24 5 | 0 26 | 23 51 | 0 50 | 22 33 | 1 10 | 10 41 | 1 28 | 23 37 | 1 26 | 0 0 | 0 38 | 13 25 | 1 37 | 23 53 | 16 49 | 2 30 | 1 57 | 18 47 | | n.a. |
| S 23 | 22 52 | 5 59 | 0s58 | 23 51 | 0 17 | 24 2 | 0 52 | 22 25 | 1 9 | 10 39 | 1 27 | 23 36 | 1 26 | 0 0 | 0 38 | 13 25 | 1 37 | 23 52 | 16 48 | 2 29 | 1 56 | 18 47 | | n.a. |
| M24 | 22 59 | 9 39 | 2 1 | 23 36 | 0 8 | 24 11 | 0 53 | 22 17 | 1 9 | 10 36 | 1 27 | 23 35 | 1 26 | 0 0 | 0 38 | 13 24 | 1 37 | 23 52 | 16 48 | 2 28 | 1 54 | 18 47 | | n.a. |
| T 25 | 23 6 | 12 52 | 2 57 | 23 20 | 0s 1 | 24 20 | 0 55 | 22 9 | 1 8 | 10 34 | 1 27 | 23 34 | 1 26 | 0 0 | 0 37 | 13 24 | 1 37 | 23 51 | 16 47 | 2 26 | 1 53 | 18 47 | | n.a. |
| W26 | 23 12 | 15 29 | 3 44 | 23 4 | 0 11 | 24 28 | 0 57 | 22 1 | 1 7 | 10 31 | 1 26 | 23 33 | 1 26 | 0 0 | 0 37 | 13 24 | 1 37 | 23 50 | 16 46 | 2 23 | 1 52 | 18 47 | | n.a. |
| T 27 | 23 18 | 17 25 | 4 21 | 22 47 | 0 21 | 24 35 | 0 59 | 21 52 | 1 7 | 10 29 | 1 26 | 23 32 | 1 26 | 0 0 | 0 37 | 13 23 | 1 37 | 23 49 | 16 46 | 2 19 | 1 51 | 18 47 | | n.a. |
| F 28 | 23 23 | 18 35 | 4 47 | 22 29 | 0 31 | 24 42 | 1 1 | 21 43 | 1 6 | 10 26 | 1 26 | 23 31 | 1 26 | 0 0 | 0 37 | 13 23 | 1 37 | 23 48 | 16 45 | 2 14 | 1 49 | 18 47 | | n.a. |
| S 29 | 23 28 | 18 56 | 4 59 | 22 11 | 0 41 | 24 47 | 1 2 | 21 34 | 1 6 | 10 23 | 1 26 | 23 30 | 1 26 | 0 1 | 0 37 | 13 23 | 1 37 | 23 48 | 16 45 | 2 9 | 1 48 | 18 47 | | n.a. |
| S 30 | 23n33 | 18n27 | 4s59 | 21n53 | 0s52 | 24n52 | 1n 4 | 21n25 | 1n 5 | 10n20 | 1n25 | 23n29 | 1n26 | 0s 1 | 0n37 | 13s22 | 1n37 | 23n47 | 16n44 | 2s 4 | 1s47 | 18n47 | | n.a. |

Julian Day Number = 1002397.5, Delta T = 12h49m38s
Ecliptic obliquity = 23°55'06, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'54, Lahiri = -31°05'53 Julian Calendar 1 June 1969 BCE == Greg. Calendar 15 May 1969 BCE


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## JULY 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 30 26 | 21♊ 6'14 | 23♋20 | 18♋30 | 25♊57 | 1♌32 | 7♍22 | 22♋ 9 | 1♎26 | 9°R21 | 8♍53 | 4°R53 | 4♎20 | 1♋17 | n.a. | M 1 |
| T 2 | 17 34 23 | 22° 3'56 | 5♌15 | 19°26 | 27°11 | 2°11 | 7°29 | 22°16 | 1°26 | 9♏20 | 8°54 | 4♎43 | 4°17 | 1°23 | n.a. | T 2 |
| W 3 | 17 38 20 | 23° 1'40 | 17°15 | 20°18 | 28°25 | 2°50 | 7°37 | 22°23 | 1°26 | 9°19 | 8°55 | 4°36 | 4°14 | 1°30 | n.a. | W 3 |
| T 4 | 17 42 16 | 23°59'24 | 29°24 | 21° 8 | 29°40 | 3°29 | 7°44 | 22°30 | 1°27 | 9°18 | 8°56 | 4°31 | 4°11 | 1°37 | n.a. | T 4 |
| F 5 | 17 46 13 | 24°57'11 | 11♍46 | 21°54 | 0♋54 | 4° 8 | 7°52 | 22°36 | 1°27 | 9°17 | 8°57 | 4°29 | 4° 7 | 1°43 | n.a. | F 5 |
| S 6 | 17 50 9 | 25°54'58 | 24°25 | 22°36 | 2° 9 | 4°47 | 7°59 | 22°43 | 1°27 | 9°16 | 8°58 | 4°D29 | 4° 4 | 1°50 | n.a. | S 6 |
| S 7 | 17 54 6 | 26°52'47 | 7♎26 | 23°15 | 3°23 | 5°26 | 8° 7 | 22°50 | 1°28 | 9°15 | 8°59 | 4°R29 | 4° 1 | 1°57 | n.a. | S 7 |
| M 8 | 17 58 2 | 27°50'38 | 20°53 | 23°50 | 4°37 | 6° 5 | 8°15 | 22°57 | 1°29 | 9°14 | 9° 0 | 4°28 | 3°58 | 2° 4 | n.a. | M 8 |
| T 9 | 18 1 59 | 28°48'29 | 4♏48 | 24°21 | 5°52 | 6°44 | 8°23 | 23° 4 | 1°29 | 9°13 | 9° 1 | 4°26 | 3°55 | 2°10 | n.a. | T 9 |
| W10 | 18 5 55 | 29°46'23 | 19°12 | 24°47 | 7° 6 | 7°23 | 8°31 | 23°11 | 1°30 | 9°12 | 9° 2 | 4°21 | 3°52 | 2°17 | n.a. | W10 |
| T 11 | 18 9 52 | 0♋44'18 | 4♐ 3 | 25° 9 | 8°21 | 8° 3 | 8°40 | 23°18 | 1°31 | 9°12 | 9° 3 | 4°14 | 3°48 | 2°24 | n.a. | T 11 |
| F 12 | 18 13 49 | 1°42'14 | 19°13 | 25°25 | 9°35 | 8°42 | 8°48 | 23°25 | 1°31 | 9°11 | 9° 4 | 4° 4 | 3°45 | 2°31 | n.a. | F 12 |
| S 13 | 18 17 45 | 2°40'13 | 4♑34 | 25°37 | 10°49 | 9°22 | 8°56 | 23°32 | 1°32 | 9°10 | 9° 6 | 3°53 | 3°42 | 2°37 | n.a. | S 13 |
| S 14 | 18 21 42 | 3°38'13 | 19°53 | 25°43 | 12° 4 | 10° 1 | 9° 5 | 23°39 | 1°33 | 9° 9 | 9° 7 | 3°42 | 3°39 | 2°44 | n.a. | S 14 |
| M15 | 18 25 38 | 4°36'15 | 4♒59 | 25°R43 | 13°18 | 10°41 | 9°14 | 23°46 | 1°34 | 9° 8 | 9° 8 | 3°33 | 3°36 | 2°51 | n.a. | M15 |
| T 16 | 18 29 35 | 5°34'19 | 19°43 | 25°38 | 14°33 | 11°20 | 9°23 | 23°53 | 1°35 | 9° 8 | 9°10 | 3°26 | 3°32 | 2°57 | n.a. | T 16 |
| W17 | 18 33 31 | 6°32'25 | 3♓59 | 25°26 | 15°47 | 12° 0 | 9°32 | 24° 0 | 1°36 | 9° 7 | 9°11 | 3°21 | 3°29 | 3° 4 | n.a. | W17 |
| T 18 | 18 37 28 | 7°30'33 | 17°46 | 25° 8 | 17° 2 | 12°40 | 9°41 | 24° 7 | 1°37 | 9° 6 | 9°12 | 3°19 | 3°26 | 3°11 | n.a. | T 18 |
| F 19 | 18 41 24 | 8°28'43 | 1♈ 5 | 24°44 | 18°16 | 13°20 | 9°50 | 24°14 | 1°38 | 9° 6 | 9°14 | 3°19 | 3°23 | 3°18 | n.a. | F 19 |
| S 20 | 18 45 21 | 9°26'56 | 13°59 | 24°14 | 19°31 | 14° 0 | 9°59 | 24°22 | 1°39 | 9° 5 | 9°15 | 3°19 | 3°20 | 3°24 | n.a. | S 20 |
| S 21 | 18 49 18 | 10°25'11 | 26°33 | 23°38 | 20°46 | 14°40 | 10° 9 | 24°29 | 1°40 | 9° 4 | 9°17 | 3°18 | 3°17 | 3°31 | n.a. | S 21 |
| M22 | 18 53 14 | 11°23'28 | 8♉50 | 22°56 | 22° 0 | 15°20 | 10°18 | 24°36 | 1°42 | 9° 4 | 9°18 | 3°15 | 3°13 | 3°38 | n.a. | M22 |
| T 23 | 18 57 11 | 12°21'47 | 20°56 | 22° 9 | 23°15 | 16° 0 | 10°28 | 24°43 | 1°43 | 9° 3 | 9°20 | 3°10 | 3°10 | 3°45 | n.a. | T 23 |
| W24 | 19 1 7 | 13°20'09 | 2♊54 | 21°17 | 24°29 | 16°40 | 10°38 | 24°51 | 1°44 | 9° 3 | 9°21 | 3° 2 | 3° 7 | 3°51 | n.a. | W24 |
| T 25 | 19 5 4 | 14°18'33 | 14°48 | 20°21 | 25°44 | 17°20 | 10°48 | 24°58 | 1°46 | 9° 2 | 9°23 | 2°52 | 3° 4 | 3°58 | n.a. | T 25 |
| F 26 | 19 9 0 | 15°16'59 | 26°39 | 19°23 | 26°58 | 18° 1 | 10°57 | 25° 5 | 1°47 | 9° 2 | 9°25 | 2°39 | 3° 1 | 4° 5 | n.a. | F 26 |
| S 27 | 19 12 57 | 16°15'27 | 8♋31 | 18°23 | 28°13 | 18°41 | 11° 7 | 25°12 | 1°49 | 9° 2 | 9°26 | 2°25 | 2°57 | 4°11 | n.a. | S 27 |
| S 28 | 19 16 53 | 17°13'57 | 20°25 | 17°22 | 29°28 | 19°21 | 11°18 | 25°20 | 1°50 | 9° 1 | 9°28 | 2°12 | 2°54 | 4°18 | n.a. | S 28 |
| M29 | 19 20 50 | 18°12'29 | 2♌21 | 16°22 | 0♌42 | 20° 2 | 11°28 | 25°27 | 1°52 | 9° 1 | 9°30 | 1°59 | 2°51 | 4°25 | n.a. | M29 |
| T 30 | 19 24 46 | 19°11'04 | 14°22 | 15°25 | 1°57 | 20°43 | 11°38 | 25°34 | 1°54 | 9° 1 | 9°31 | 1°49 | 2°48 | 4°32 | n.a. | T 30 |
| W31 | 19 28 43 | 20♋ 9'40 | 26♌29 | 14♋31 | 3♌12 | 21♌23 | 11♍49 | 25♋42 | 1♎55 | 9♏ 0 | 9♍33 | 1♎41 | 2♎45 | 4♋38 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 23n37 | 17n10 | 4s46 | 21n35 | 1s 3 | 24n57 | 1n 5 | 21n16 | 1n 5 | 10n17 | 1n25 | 23n28 | 1n26 | 0s 1 | 0n37 | 13s22 | 1n37 | 23n46 | 16n44 | 1s59 | 1s45 | 18n46 | | | n.a. |
| T 2 | 23 40 | 15 8 | 4 20 | 21 16 | 1 14 | 25 0 | 1 7 | 21 6 | 1 4 | 10 14 | 1 25 | 23 27 | 1 26 | 0 1 | 0 37 | 13 22 | 1 37 | 23 45 | 16 43 | 1 55 | 1 44 | 18 46 | | | n.a. |
| W 3 | 23 44 | 12 27 | 3 42 | 20 57 | 1 25 | 25 3 | 1 8 | 20 57 | 1 3 | 10 11 | 1 25 | 23 26 | 1 26 | 0 1 | 0 37 | 13 21 | 1 37 | 23 44 | 16 42 | 1 52 | 1 43 | 18 46 | | | n.a. |
| T 4 | 23 47 | 9 12 | 2 54 | 20 39 | 1 36 | 25 5 | 1 10 | 20 47 | 1 3 | 10 8 | 1 24 | 23 24 | 1 26 | 0 1 | 0 37 | 13 21 | 1 37 | 23 43 | 16 42 | 1 50 | 1 42 | 18 46 | | | n.a. |
| F 5 | 23 49 | 5 29 | 1 57 | 20 20 | 1 47 | 25 6 | 1 11 | 20 37 | 1 2 | 10 5 | 1 24 | 23 23 | 1 26 | 0 1 | 0 37 | 13 21 | 1 37 | 23 42 | 16 41 | 1 49 | 1 40 | 18 46 | | | n.a. |
| S 6 | 23 51 | 1 27 | 0 53 | 20 2 | 1 58 | 25 6 | 1 12 | 20 27 | 1 2 | 10 2 | 1 24 | 23 22 | 1 26 | 0 2 | 0 37 | 13 21 | 1 37 | 23 41 | 16 41 | 1 49 | 1 39 | 18 46 | | | n.a. |
| S 7 | 23 53 | 2s46 | 0n16 | 19 44 | 2 10 | 25 6 | 1 14 | 20 16 | 1 1 | 9 59 | 1 23 | 23 21 | 1 26 | 0 2 | 0 37 | 13 20 | 1 37 | 23 40 | 16 40 | 1 49 | 1 38 | 18 46 | | | n.a. |
| M 8 | 23 54 | 6 59 | 1 26 | 19 27 | 2 21 | 25 5 | 1 15 | 20 6 | 1 0 | 9 55 | 1 23 | 23 20 | 1 26 | 0 2 | 0 37 | 13 20 | 1 37 | 23 40 | 16 40 | 1 49 | 1 36 | 18 46 | | | n.a. |
| T 9 | 23 55 | 10 59 | 2 33 | 19 11 | 2 33 | 25 3 | 1 16 | 19 55 | 1 0 | 9 52 | 1 23 | 23 19 | 1 26 | 0 2 | 0 37 | 13 20 | 1 37 | 23 39 | 16 39 | 1 48 | 1 35 | 18 45 | | | n.a. |
| W10 | 23 55 | 14 28 | 3 33 | 18 55 | 2 44 | 25 0 | 1 17 | 19 45 | 0 59 | 9 49 | 1 23 | 23 17 | 1 26 | 0 3 | 0 37 | 13 20 | 1 37 | 23 38 | 16 39 | 1 46 | 1 34 | 18 45 | | | n.a. |
| T 11 | 23 55 | 17 7 | 4 20 | 18 40 | 2 55 | 24 57 | 1 18 | 19 34 | 0 59 | 9 45 | 1 22 | 23 16 | 1 26 | 0 3 | 0 37 | 13 19 | 1 37 | 23 37 | 16 38 | 1 43 | 1 33 | 18 45 | | | n.a. |
| F 12 | 23 54 | 18 39 | 4 50 | 18 26 | 3 6 | 24 53 | 1 19 | 19 23 | 0 58 | 9 42 | 1 22 | 23 15 | 1 26 | 0 3 | 0 37 | 13 19 | 1 37 | 23 36 | 16 37 | 1 39 | 1 31 | 18 45 | | | n.a. |
| S 13 | 23 53 | 18 50 | 5 0 | 18 14 | 3 16 | 24 48 | 1 20 | 19 11 | 0 57 | 9 38 | 1 22 | 23 14 | 1 26 | 0 4 | 0 37 | 13 19 | 1 37 | 23 35 | 16 37 | 1 34 | 1 30 | 18 45 | | | n.a. |
| S 14 | 23 52 | 17 39 | 4 49 | 18 3 | 3 26 | 24 42 | 1 21 | 19 0 | 0 57 | 9 35 | 1 22 | 23 13 | 1 26 | 0 4 | 0 37 | 13 19 | 1 36 | 23 34 | 16 36 | 1 30 | 1 29 | 18 45 | | | n.a. |
| M15 | 23 50 | 15 15 | 4 17 | 17 54 | 3 36 | 24 36 | 1 22 | 18 48 | 0 56 | 9 31 | 1 22 | 23 11 | 1 26 | 0 5 | 0 37 | 13 18 | 1 36 | 23 33 | 16 36 | 1 26 | 1 27 | 18 45 | | | n.a. |
| T 16 | 23 48 | 11 54 | 3 29 | 17 46 | 3 45 | 24 28 | 1 23 | 18 37 | 0 56 | 9 28 | 1 21 | 23 10 | 1 26 | 0 5 | 0 37 | 13 18 | 1 36 | 23 32 | 16 35 | 1 23 | 1 26 | 18 44 | | | n.a. |
| W17 | 23 45 | 7 57 | 2 28 | 17 40 | 3 53 | 24 20 | 1 23 | 18 25 | 0 55 | 9 24 | 1 21 | 23 9 | 1 26 | 0 5 | 0 37 | 13 18 | 1 36 | 23 31 | 16 35 | 1 22 | 1 25 | 18 44 | | | n.a. |
| T 18 | 23 42 | 3 41 | 1 21 | 17 36 | 4 0 | 24 12 | 1 24 | 18 13 | 0 54 | 9 20 | 1 21 | 23 8 | 1 26 | 0 6 | 0 37 | 13 18 | 1 36 | 23 30 | 16 34 | 1 21 | 1 24 | 18 44 | | | n.a. |
| F 19 | 23 38 | 0n37 | 0 12 | 17 34 | 4 6 | 24 2 | 1 24 | 18 1 | 0 54 | 9 16 | 1 21 | 23 6 | 1 26 | 0 6 | 0 37 | 13 18 | 1 36 | 23 29 | 16 34 | 1 21 | 1 22 | 18 44 | | | n.a. |
| S 20 | 23 34 | 4 46 | 0s56 | 17 35 | 4 11 | 23 52 | 1 25 | 17 48 | 0 53 | 9 13 | 1 20 | 23 5 | 1 26 | 0 7 | 0 36 | 13 18 | 1 36 | 23 28 | 16 33 | 1 21 | 1 21 | 18 44 | | | n.a. |
| S 21 | 23 30 | 8 35 | 2 0 | 17 37 | 4 15 | 23 41 | 1 25 | 17 36 | 0 52 | 9 9 | 1 20 | 23 4 | 1 26 | 0 7 | 0 36 | 13 18 | 1 36 | 23 27 | 16 33 | 1 20 | 1 20 | 18 44 | | | n.a. |
| M22 | 23 25 | 11 57 | 2 56 | 17 42 | 4 17 | 23 29 | 1 26 | 17 23 | 0 52 | 9 5 | 1 20 | 23 2 | 1 26 | 0 8 | 0 36 | 13 17 | 1 36 | 23 26 | 16 32 | 1 19 | 1 18 | 18 43 | | | n.a. |
| T 23 | 23 20 | 14 45 | 3 43 | 17 49 | 4 17 | 23 17 | 1 26 | 17 10 | 0 51 | 9 1 | 1 20 | 23 1 | 1 26 | 0 9 | 0 36 | 13 17 | 1 36 | 23 25 | 16 32 | 1 17 | 1 17 | 18 43 | | | n.a. |
| W24 | 23 14 | 16 54 | 4 20 | 17 59 | 4 16 | 23 4 | 1 26 | 16 57 | 0 51 | 8 57 | 1 19 | 23 0 | 1 26 | 0 9 | 0 36 | 13 17 | 1 36 | 23 23 | 16 31 | 1 14 | 1 16 | 18 43 | | | n.a. |
| T 25 | 23 8 | 18 18 | 4 46 | 18 11 | 4 13 | 22 50 | 1 26 | 16 44 | 0 50 | 8 53 | 1 19 | 22 59 | 1 26 | 0 10 | 0 36 | 13 17 | 1 36 | 23 22 | 16 31 | 1 10 | 1 15 | 18 43 | | | n.a. |
| F 26 | 23 1 | 18 54 | 4 59 | 18 24 | 4 7 | 22 36 | 1 26 | 16 31 | 0 49 | 8 49 | 1 19 | 22 57 | 1 26 | 0 10 | 0 36 | 13 17 | 1 36 | 23 21 | 16 30 | 1 5 | 1 13 | 18 43 | | | n.a. |
| S 27 | 22 54 | 18 40 | 4 59 | 18 40 | 4 0 | 22 20 | 1 26 | 16 18 | 0 49 | 8 45 | 1 19 | 22 56 | 1 26 | 0 11 | 0 36 | 13 17 | 1 36 | 23 20 | 16 30 | 0 59 | 1 12 | 18 43 | | | n.a. |
| S 28 | 22 47 | 17 38 | 4 46 | 18 57 | 3 51 | 22 5 | 1 26 | 16 4 | 0 48 | 8 41 | 1 19 | 22 55 | 1 26 | 0 12 | 0 36 | 13 17 | 1 36 | 23 19 | 16 29 | 0 53 | 1 11 | 18 42 | | | n.a. |
| M29 | 22 39 | 15 49 | 4 20 | 19 16 | 3 39 | 21 48 | 1 26 | 15 51 | 0 48 | 8 37 | 1 18 | 22 53 | 1 26 | 0 12 | 0 36 | 13 17 | 1 36 | 23 18 | 16 29 | 0 48 | 1 9 | 18 42 | | | n.a. |
| T 30 | 22 31 | 13 18 | 3 43 | 19 36 | 3 26 | 21 31 | 1 26 | 15 37 | 0 47 | 8 32 | 1 18 | 22 52 | 1 26 | 0 13 | 0 36 | 13 17 | 1 36 | 23 17 | 16 29 | 0 44 | 1 8 | 18 42 | | | n.a. |
| W31 | 22n22 | 10n12 | 2s55 | 19n56 | 3s12 | 21n13 | 1n26 | 15n23 | 0n46 | 8n28 | 1n18 | 22n51 | 1n26 | 0s14 | 0n36 | 13s17 | 1n35 | 23n16 | 16n28 | 0s41 | 1s 7 | 18n42 | | | n.a. |

Julian Day Number = 1002427.5, Delta T = 12h49m36s
Ecliptic obliquity = 23°55'06, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'50, Lahiri = -31°05'49 Julian Calendar 1 July 1969 BCE == Greg. Calendar 14 June 1969 BCE

The year -1968 astronomical counting style corresponds to year 1969 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## AUGUST 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 32 40 | 21♋ 8'18 | 8♍44 | 13°R42 | 4♌26 | 22♌ 4 | 11♍59 | 25♋49 | 1♎57 | 9°R 0 | 9♍35 | 1°R36 | 2♎42 | 4♋45 | n.a. | T 1 |
| F 2 | 19 36 36 | 22° 6'58 | 21°11 | 13♋ 0 | 5°41 | 22°45 | 12°10 | 25°56 | 1°59 | 9♏ 0 | 9°37 | 1♎34 | 2°38 | 4°52 | n.a. | F 2 |
| S 3 | 19 40 33 | 23° 5'40 | 3♎52 | 12°25 | 6°55 | 23°26 | 12°20 | 26° 4 | 2° 1 | 9° 0 | 9°38 | 1°D34 | 2°35 | 4°59 | n.a. | S 3 |
| S 4 | 19 44 29 | 24° 4'24 | 16°51 | 11°58 | 8°10 | 24° 6 | 12°31 | 26°11 | 2° 3 | 9° 0 | 9°40 | 1°34 | 2°32 | 5° 5 | n.a. | S 4 |
| M 5 | 19 48 26 | 25° 3'09 | 0♏12 | 11°40 | 9°25 | 24°47 | 12°42 | 26°19 | 2° 5 | 9° 0 | 9°42 | 1°R34 | 2°29 | 5°12 | n.a. | M 5 |
| T 6 | 19 52 22 | 26° 1'57 | 13°58 | 11°D32 | 10°39 | 25°28 | 12°53 | 26°26 | 2° 7 | 9° 0 | 9°44 | 1°33 | 2°26 | 5°19 | n.a. | T 6 |
| W 7 | 19 56 19 | 27° 0'47 | 28°10 | 11°34 | 11°54 | 26° 9 | 13° 4 | 26°33 | 2° 9 | 8°D59 | 9°46 | 1°29 | 2°23 | 5°25 | n.a. | W 7 |
| T 8 | 20 0 15 | 27°59'38 | 12♐47 | 11°45 | 13° 9 | 26°51 | 13°15 | 26°41 | 2°11 | 8°59 | 9°48 | 1°23 | 2°19 | 5°32 | n.a. | T 8 |
| F 9 | 20 4 12 | 28°58'32 | 27°44 | 12° 6 | 14°23 | 27°32 | 13°26 | 26°48 | 2°13 | 9° 0 | 9°50 | 1°15 | 2°16 | 5°39 | n.a. | F 9 |
| S 10 | 20 8 8 | 29°57'27 | 12♑55 | 12°36 | 15°38 | 28°13 | 13°37 | 26°55 | 2°15 | 9° 0 | 9°52 | 1° 6 | 2°13 | 5°46 | n.a. | S 10 |
| S 11 | 20 12 5 | 0♒56'25 | 28° 8 | 13°16 | 16°53 | 28°54 | 13°49 | 27° 3 | 2°17 | 9° 0 | 9°54 | 0°57 | 2°10 | 5°52 | n.a. | S 11 |
| M12 | 20 16 2 | 1°55'24 | 13♓13 | 14° 4 | 18° 7 | 29°36 | 14° 0 | 27°10 | 2°19 | 9° 0 | 9°56 | 0°49 | 2° 7 | 5°59 | n.a. | M12 |
| T 13 | 20 19 58 | 2°54'26 | 28° 0 | 15° 0 | 19°22 | 0♍17 | 14°12 | 27°17 | 2°22 | 9° 0 | 9°58 | 0°43 | 2° 3 | 6° 6 | n.a. | T 13 |
| W14 | 20 23 55 | 3°53'31 | 12♈23 | 16° 3 | 20°37 | 0°59 | 14°23 | 27°25 | 2°24 | 9° 0 | 10° 0 | 0°39 | 2° 0 | 6°12 | n.a. | W14 |
| T 15 | 20 27 51 | 4°52'37 | 26°17 | 17°13 | 21°51 | 1°40 | 14°35 | 27°32 | 2°26 | 9° 0 | 10° 2 | 0°D38 | 1°57 | 6°19 | n.a. | T 15 |
| F 16 | 20 31 48 | 5°51'47 | 9♉43 | 18°29 | 23° 6 | 2°22 | 14°46 | 27°39 | 2°29 | 9° 1 | 10° 4 | 0°38 | 1°54 | 6°26 | n.a. | F 16 |
| S 17 | 20 35 44 | 6°50'58 | 22°42 | 19°51 | 24°20 | 3° 4 | 14°58 | 27°47 | 2°31 | 9° 1 | 10° 6 | 0°39 | 1°51 | 6°33 | n.a. | S 17 |
| S 18 | 20 39 41 | 7°50'12 | 5♊19 | 21°17 | 25°35 | 3°45 | 15°10 | 27°54 | 2°34 | 9° 1 | 10° 8 | 0°R40 | 1°48 | 6°39 | n.a. | S 18 |
| M19 | 20 43 37 | 8°49'29 | 17°37 | 22°47 | 26°50 | 4°27 | 15°22 | 28° 1 | 2°36 | 9° 2 | 10°11 | 0°39 | 1°44 | 6°46 | n.a. | M19 |
| T 20 | 20 47 34 | 9°48'48 | 29°42 | 24°21 | 28° 4 | 5° 9 | 15°34 | 28° 8 | 2°39 | 9° 2 | 10°13 | 0°37 | 1°41 | 6°53 | n.a. | T 20 |
| W21 | 20 51 30 | 10°48'10 | 11♊39 | 25°57 | 29°19 | 5°51 | 15°46 | 28°16 | 2°41 | 9° 2 | 10°15 | 0°33 | 1°38 | 7° 0 | n.a. | W21 |
| T 22 | 20 55 27 | 11°47'34 | 23°31 | 27°36 | 0♍34 | 6°33 | 15°58 | 28°23 | 2°44 | 9° 3 | 10°17 | 0°26 | 1°35 | 7° 6 | n.a. | T 22 |
| F 23 | 20 59 24 | 12°47'01 | 5♋22 | 29°17 | 1°48 | 7°15 | 16°10 | 28°30 | 2°47 | 9° 3 | 10°19 | 0°18 | 1°32 | 7°13 | n.a. | F 23 |
| S 24 | 21 3 20 | 13°46'30 | 17°16 | 0♌59 | 3° 3 | 7°57 | 16°22 | 28°37 | 2°49 | 9° 4 | 10°22 | 0° 9 | 1°29 | 7°20 | n.a. | S 24 |
| S 25 | 21 7 17 | 14°46'01 | 29°14 | 2°42 | 4°18 | 8°40 | 16°34 | 28°45 | 2°52 | 9° 5 | 10°24 | 0° 0 | 1°25 | 7°26 | n.a. | S 25 |
| M26 | 21 11 13 | 15°45'35 | 11♌17 | 4°27 | 5°32 | 9°22 | 16°47 | 28°52 | 2°55 | 9° 5 | 10°26 | 29♍52 | 1°22 | 7°33 | n.a. | M26 |
| T 27 | 21 15 10 | 16°45'10 | 23°29 | 6°11 | 6°47 | 10° 4 | 16°59 | 28°59 | 2°58 | 9° 6 | 10°28 | 29°45 | 1°19 | 7°40 | n.a. | T 27 |
| W28 | 21 19 6 | 17°44'48 | 5♍48 | 7°56 | 8° 1 | 10°47 | 17°11 | 29° 6 | 3° 1 | 9° 6 | 10°31 | 29°40 | 1°16 | 7°47 | n.a. | W28 |
| T 29 | 21 23 3 | 18°44'28 | 18°17 | 9°42 | 9°16 | 11°29 | 17°24 | 29°13 | 3° 4 | 9° 7 | 10°33 | 29°38 | 1°13 | 7°53 | n.a. | T 29 |
| F 30 | 21 26 59 | 19°44'10 | 0♎57 | 11°27 | 10°31 | 12°12 | 17°36 | 29°20 | 3° 7 | 9° 8 | 10°35 | 29°D37 | 1° 9 | 8° 0 | n.a. | F 30 |
| S 31 | 21 30 56 | 20♌43'54 | 13♎49 | 13♌12 | 11♍45 | 12♍54 | 17♍49 | 29♋27 | 3♎ 9 | 9♏ 9 | 10♍38 | 29♍38 | 1♎ 6 | 8♋ 7 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 22n13 | 6n38 | 1s58 | 20n17 | 2s56 | 20n55 | 1n26 | 15n 9 | 0n46 | 8n24 | 1n18 | 22n49 | 1n26 | 0s15 | 0n36 | 13s17 | 1n35 | 23n15 | 16n28 | 0s39 | 1s 6 | 18n42 | | | n.a. |
| F 2 | 22 4 | 2 44 | 0 55 | 20 38 | 2 39 | 20 36 | 1 25 | 14 55 | 0 45 | 8 20 | 1 18 | 22 48 | 1 27 | 0 15 | 0 36 | 13 17 | 1 35 | 23 14 | 16 27 | 0 38 | 1 4 | 18 41 | | | n.a. |
| S 3 | 21 54 | 1s23 | 0n12 | 21 0 | 2 21 | 20 17 | 1 25 | 14 41 | 0 44 | 8 15 | 1 17 | 22 47 | 1 27 | 0 16 | 0 36 | 13 17 | 1 35 | 23 13 | 16 27 | 0 38 | 1 3 | 18 41 | | | n.a. |
| S 4 | 21 44 | 5 31 | 1 20 | 21 20 | 2 2 | 19 56 | 1 24 | 14 26 | 0 44 | 8 11 | 1 17 | 22 45 | 1 27 | 0 17 | 0 36 | 13 17 | 1 35 | 23 12 | 16 26 | 0 38 | 1 2 | 18 41 | | | n.a. |
| M 5 | 21 33 | 9 29 | 2 26 | 21 41 | 1 43 | 19 36 | 1 24 | 14 12 | 0 43 | 8 6 | 1 17 | 22 44 | 1 27 | 0 18 | 0 36 | 13 17 | 1 35 | 23 10 | 16 26 | 0 38 | 1 0 | 18 41 | | | n.a. |
| T 6 | 21 22 | 13 5 | 3 26 | 22 0 | 1 24 | 19 15 | 1 23 | 13 57 | 0 42 | 8 2 | 1 17 | 22 42 | 1 27 | 0 19 | 0 36 | 13 17 | 1 35 | 23 9 | 16 26 | 0 38 | 0 59 | 18 40 | | | n.a. |
| W 7 | 21 10 | 16 1 | 4 14 | 22 19 | 1 6 | 18 53 | 1 22 | 13 42 | 0 42 | 7 58 | 1 17 | 22 41 | 1 27 | 0 19 | 0 36 | 13 17 | 1 35 | 23 8 | 16 25 | 0 36 | 0 58 | 18 40 | | | n.a. |
| T 8 | 20 59 | 18 1 | 4 48 | 22 36 | 0 47 | 18 30 | 1 22 | 13 27 | 0 41 | 7 53 | 1 17 | 22 40 | 1 27 | 0 20 | 0 36 | 13 17 | 1 35 | 23 7 | 16 25 | 0 34 | 0 56 | 18 40 | | | n.a. |
| F 9 | 20 46 | 18 51 | 5 3 | 22 52 | 0 30 | 18 8 | 1 21 | 13 12 | 0 41 | 7 48 | 1 16 | 22 38 | 1 27 | 0 21 | 0 36 | 13 17 | 1 35 | 23 6 | 16 24 | 0 31 | 0 55 | 18 40 | | | n.a. |
| S 10 | 20 34 | 18 21 | 4 58 | 23 5 | 0 13 | 17 44 | 1 20 | 12 57 | 0 40 | 7 44 | 1 16 | 22 37 | 1 27 | 0 22 | 0 36 | 13 17 | 1 35 | 23 5 | 16 24 | 0 27 | 0 54 | 18 40 | | | n.a. |
| S 11 | 20 21 | 16 32 | 4 31 | 23 17 | 0n 3 | 17 20 | 1 19 | 12 42 | 0 39 | 7 39 | 1 16 | 22 36 | 1 27 | 0 23 | 0 36 | 13 17 | 1 35 | 23 4 | 16 24 | 0 23 | 0 53 | 18 39 | | | n.a. |
| M12 | 20 8 | 13 35 | 3 45 | 23 27 | 0 18 | 16 56 | 1 18 | 12 26 | 0 39 | 7 35 | 1 16 | 22 34 | 1 27 | 0 24 | 0 36 | 13 17 | 1 35 | 23 3 | 16 23 | 0 20 | 0 51 | 18 39 | | | n.a. |
| T 13 | 19 54 | 9 49 | 2 45 | 23 35 | 0 32 | 16 31 | 1 17 | 12 11 | 0 38 | 7 30 | 1 16 | 22 33 | 1 27 | 0 25 | 0 36 | 13 17 | 1 35 | 23 1 | 16 23 | 0 17 | 0 50 | 18 39 | | | n.a. |
| W14 | 19 40 | 5 34 | 1 36 | 23 40 | 0 45 | 16 6 | 1 16 | 11 55 | 0 37 | 7 25 | 1 15 | 22 31 | 1 27 | 0 26 | 0 36 | 13 18 | 1 35 | 23 0 | 16 23 | 0 16 | 0 49 | 18 39 | | | n.a. |
| T 15 | 19 26 | 1 9 | 0 23 | 23 43 | 0 56 | 15 40 | 1 14 | 11 40 | 0 37 | 7 21 | 1 15 | 22 30 | 1 27 | 0 27 | 0 36 | 13 18 | 1 35 | 22 59 | 16 22 | 0 15 | 0 47 | 18 38 | | | n.a. |
| F 16 | 19 11 | 3n11 | 0s49 | 23 43 | 1 7 | 15 14 | 1 13 | 11 24 | 0 36 | 7 16 | 1 15 | 22 29 | 1 28 | 0 28 | 0 36 | 13 18 | 1 34 | 22 58 | 16 22 | 0 15 | 0 46 | 18 38 | | | n.a. |
| S 17 | 18 56 | 7 13 | 1 56 | 23 40 | 1 16 | 14 48 | 1 12 | 11 8 | 0 35 | 7 11 | 1 15 | 22 27 | 1 28 | 0 29 | 0 35 | 13 18 | 1 34 | 22 57 | 16 22 | 0 16 | 0 45 | 18 38 | | | n.a. |
| S 18 | 18 40 | 10 48 | 2 55 | 23 35 | 1 24 | 14 21 | 1 10 | 10 52 | 0 35 | 7 6 | 1 15 | 22 26 | 1 28 | 0 30 | 0 35 | 13 18 | 1 34 | 22 56 | 16 21 | 0 16 | 0 44 | 18 38 | | | n.a. |
| M19 | 18 25 | 13 50 | 3 45 | 23 27 | 1 32 | 13 54 | 1 9 | 10 36 | 0 34 | 7 1 | 1 15 | 22 24 | 1 28 | 0 31 | 0 35 | 13 18 | 1 34 | 22 55 | 16 21 | 0 16 | 0 42 | 18 37 | | | n.a. |
| T 20 | 18 9 | 16 12 | 4 24 | 23 17 | 1 38 | 13 26 | 1 8 | 10 20 | 0 33 | 6 57 | 1 15 | 22 23 | 1 28 | 0 32 | 0 35 | 13 18 | 1 34 | 22 53 | 16 21 | 0 15 | 0 41 | 18 37 | | | n.a. |
| W21 | 17 52 | 17 50 | 4 51 | 23 3 | 1 43 | 12 58 | 1 6 | 10 3 | 0 33 | 6 52 | 1 14 | 22 21 | 1 28 | 0 33 | 0 35 | 13 19 | 1 34 | 22 52 | 16 20 | 0 13 | 0 40 | 18 37 | | | n.a. |
| T 22 | 17 36 | 18 41 | 5 5 | 22 48 | 1 47 | 12 30 | 1 4 | 9 47 | 0 32 | 6 47 | 1 14 | 22 20 | 1 28 | 0 34 | 0 35 | 13 19 | 1 34 | 22 51 | 16 20 | 0 11 | 0 38 | 18 37 | | | n.a. |
| F 23 | 17 19 | 18 43 | 5 6 | 22 30 | 1 50 | 12 1 | 1 3 | 9 30 | 0 31 | 6 42 | 1 14 | 22 19 | 1 28 | 0 35 | 0 35 | 13 19 | 1 34 | 22 50 | 16 20 | 0 7 | 0 37 | 18 36 | | | n.a. |
| S 24 | 17 1 | 17 55 | 4 54 | 22 10 | 1 52 | 11 32 | 1 1 | 9 14 | 0 31 | 6 37 | 1 14 | 22 17 | 1 28 | 0 36 | 0 35 | 13 19 | 1 34 | 22 49 | 16 20 | 0 4 | 0 36 | 18 36 | | | n.a. |
| S 25 | 16 44 | 16 21 | 4 29 | 21 47 | 1 54 | 11 3 | 0 59 | 8 57 | 0 30 | 6 32 | 1 14 | 22 16 | 1 28 | 0 38 | 0 35 | 13 20 | 1 34 | 22 48 | 16 19 | 0 0 | 0 35 | 18 36 | | | n.a. |
| M26 | 16 26 | 14 2 | 3 51 | 21 23 | 1 55 | 10 33 | 0 57 | 8 40 | 0 30 | 6 27 | 1 14 | 22 14 | 1 29 | 0 39 | 0 35 | 13 20 | 1 34 | 22 47 | 16 19 | 0n 3 | 0 33 | 18 35 | | | n.a. |
| T 27 | 16 8 | 11 5 | 3 3 | 20 57 | 1 55 | 10 3 | 0 55 | 8 23 | 0 29 | 6 22 | 1 14 | 22 13 | 1 29 | 0 40 | 0 35 | 13 20 | 1 34 | 22 46 | 16 19 | 0 6 | 0 32 | 18 35 | | | n.a. |
| W28 | 15 49 | 7 38 | 2 6 | 20 29 | 1 54 | 9 33 | 0 53 | 8 6 | 0 28 | 6 17 | 1 13 | 22 12 | 1 29 | 0 41 | 0 35 | 13 20 | 1 34 | 22 44 | 16 19 | 0 8 | 0 31 | 18 35 | | | n.a. |
| T 29 | 15 30 | 3 47 | 1 1 | 19 59 | 1 53 | 9 3 | 0 51 | 7 49 | 0 28 | 6 12 | 1 13 | 22 10 | 1 29 | 0 42 | 0 35 | 13 21 | 1 34 | 22 43 | 16 18 | 0 9 | 0 29 | 18 35 | | | n.a. |
| F 30 | 15 11 | 0s16 | 0n 7 | 19 28 | 1 51 | 8 32 | 0 49 | 7 32 | 0 27 | 6 7 | 1 13 | 22 9 | 1 29 | 0 44 | 0 35 | 13 21 | 1 34 | 22 42 | 16 18 | 0 9 | 0 28 | 18 34 | | | n.a. |
| S 31 | 14n52 | 4s23 | 1n17 | 18n56 | 1n49 | 8n 1 | 0n47 | 7n15 | 0n26 | 6n 2 | 1n13 | 22n 7 | 1n29 | 0s45 | 0n35 | 13s21 | 1n34 | 22n41 | 16n18 | 0n 9 | 0s27 | 18n34 | | | n.a. |

Julian Day Number = 1002458.5, Delta T = 12h49m34s
Ecliptic obliquity = 23°55'06, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'45, Lahiri = -31°05'45 Julian Calendar 1 Aug. 1969 BCE == Greg. Calendar 15 July 1969 BCE

The year -1968 astronomical counting style corresponds to year 1969 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## SEPTEMBER 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 34 52 | 21♌43'40 | 26♎57 | 14♌57 | 13♍ 0 | 13♍37 | 18♍ 1 | 29♋34 | 3♎12 | 9♏ 9 | 10♍40 | 29♍39 | 1♎ 3 | 8♋14 | n.a. | S 1 |
| M 2 | 21 38 49 | 22°43'28 | 10♏20 | 16°41 | 14°14 | 14°20 | 18°14 | 29°41 | 3°16 | 9°10 | 10°42 | 29°41 | 1° 0 | 8°20 | n.a. | M 2 |
| T 3 | 21 42 46 | 23°43'18 | 24° 3 | 18°25 | 15°29 | 15° 2 | 18°27 | 29°48 | 3°19 | 9°11 | 10°45 | 29°R41 | 0°57 | 8°27 | n.a. | T 3 |
| W 4 | 21 46 42 | 24°43'10 | 8♐ 4 | 20° 9 | 16°44 | 15°45 | 18°39 | 29°55 | 3°22 | 9°12 | 10°47 | 29°40 | 0°54 | 8°34 | n.a. | W 4 |
| T 5 | 21 50 39 | 25°43'03 | 22°24 | 21°52 | 17°58 | 16°28 | 18°52 | 0♌ 2 | 3°25 | 9°13 | 10°49 | 29°38 | 0°50 | 8°40 | n.a. | T 5 |
| F 6 | 21 54 35 | 26°42'59 | 7♑ 0 | 23°35 | 19°13 | 17°11 | 19° 5 | 0° 9 | 3°28 | 9°14 | 10°52 | 29°34 | 0°47 | 8°47 | n.a. | F 6 |
| S 7 | 21 58 32 | 27°42'56 | 21°47 | 25°17 | 20°27 | 17°54 | 19°18 | 0°16 | 3°31 | 9°15 | 10°54 | 29°30 | 0°44 | 8°54 | n.a. | S 7 |
| S 8 | 22 2 28 | 28°42'55 | 6♒38 | 26°58 | 21°42 | 18°37 | 19°31 | 0°22 | 3°34 | 9°16 | 10°56 | 29°25 | 0°41 | 9° 1 | n.a. | S 8 |
| M 9 | 22 6 25 | 29°42'56 | 21°26 | 28°39 | 22°56 | 19°20 | 19°44 | 0°29 | 3°38 | 9°17 | 10°59 | 29°21 | 0°38 | 9° 7 | n.a. | M 9 |
| T 10 | 22 10 21 | 0♍42'59 | 6♓ 1 | 0♍20 | 24°11 | 20° 4 | 19°57 | 0°36 | 3°41 | 9°18 | 11° 1 | 29°18 | 0°35 | 9°14 | n.a. | T 10 |
| W11 | 22 14 18 | 1°43'04 | 20°18 | 2° 0 | 25°25 | 20°47 | 20°10 | 0°43 | 3°44 | 9°19 | 11° 4 | 29°16 | 0°31 | 9°21 | n.a. | W11 |
| T 12 | 22 18 14 | 2°43'12 | 4♈12 | 3°39 | 26°40 | 21°30 | 20°23 | 0°49 | 3°47 | 9°20 | 11° 6 | 29°D16 | 0°28 | 9°27 | n.a. | T 12 |
| F 13 | 22 22 11 | 3°43'21 | 17°40 | 5°18 | 27°54 | 22°13 | 20°36 | 0°56 | 3°51 | 9°21 | 11° 9 | 29°17 | 0°25 | 9°34 | n.a. | F 13 |
| S 14 | 22 26 8 | 4°43'33 | 0♉45 | 6°56 | 29° 9 | 22°57 | 20°49 | 1° 2 | 3°54 | 9°23 | 11°11 | 29°19 | 0°22 | 9°41 | n.a. | S 14 |
| S 15 | 22 30 4 | 5°43'46 | 13°26 | 8°34 | 0♎23 | 23°40 | 21° 2 | 1° 9 | 3°57 | 9°24 | 11°13 | 29°20 | 0°19 | 9°48 | n.a. | S 15 |
| M16 | 22 34 1 | 6°44'03 | 25°49 | 10°11 | 1°37 | 24°24 | 21°15 | 1°15 | 4° 1 | 9°25 | 11°16 | 29°22 | 0°15 | 9°54 | n.a. | M16 |
| T 17 | 22 37 57 | 7°44'21 | 7♊57 | 11°48 | 2°52 | 25° 7 | 21°28 | 1°22 | 4° 4 | 9°26 | 11°18 | 29°R22 | 0°12 | 10° 1 | n.a. | T 17 |
| W18 | 22 41 54 | 8°44'42 | 19°55 | 13°24 | 4° 6 | 25°51 | 21°41 | 1°28 | 4° 8 | 9°28 | 11°21 | 29°22 | 0° 9 | 10° 8 | n.a. | W18 |
| T 19 | 22 45 50 | 9°45'05 | 1♋47 | 15° 0 | 5°21 | 26°35 | 21°55 | 1°34 | 4°11 | 9°29 | 11°23 | 29°20 | 0° 6 | 10°15 | n.a. | T 19 |
| F 20 | 22 49 47 | 10°45'29 | 13°39 | 16°35 | 6°35 | 27°19 | 22° 8 | 1°41 | 4°15 | 9°30 | 11°26 | 29°18 | 0° 3 | 10°21 | n.a. | F 20 |
| S 21 | 22 53 43 | 11°45'57 | 25°35 | 18°10 | 7°49 | 28° 2 | 22°21 | 1°47 | 4°18 | 9°32 | 11°28 | 29°15 | 29♍59 | 10°28 | n.a. | S 21 |
| S 22 | 22 57 40 | 12°46'26 | 7♌37 | 19°45 | 9° 4 | 28°46 | 22°34 | 1°53 | 4°22 | 9°33 | 11°31 | 29°12 | 29°56 | 10°35 | n.a. | S 22 |
| M23 | 23 1 36 | 13°46'57 | 19°48 | 21°19 | 10°18 | 29°30 | 22°48 | 1°59 | 4°25 | 9°35 | 11°33 | 29°10 | 29°53 | 10°41 | n.a. | M23 |
| T 24 | 23 5 33 | 14°47'29 | 2♍11 | 22°53 | 11°32 | 0♎14 | 23° 1 | 2° 5 | 4°29 | 9°36 | 11°35 | 29° 8 | 29°50 | 10°48 | n.a. | T 24 |
| W25 | 23 9 30 | 15°48'04 | 14°46 | 24°26 | 12°47 | 0°58 | 23°14 | 2°11 | 4°32 | 9°38 | 11°38 | 29° 7 | 29°47 | 10°55 | n.a. | W25 |
| T 26 | 23 13 26 | 16°48'41 | 27°34 | 25°59 | 14° 1 | 1°43 | 23°28 | 2°17 | 4°36 | 9°39 | 11°40 | 29°D 6 | 29°44 | 11° 2 | n.a. | T 26 |
| F 27 | 23 17 23 | 17°49'19 | 10♎36 | 27°32 | 15°15 | 2°27 | 23°41 | 2°23 | 4°39 | 9°41 | 11°43 | 29° 6 | 29°40 | 11° 8 | n.a. | F 27 |
| S 28 | 23 21 19 | 18°49'58 | 23°50 | 29° 4 | 16°30 | 3°11 | 23°55 | 2°29 | 4°43 | 9°42 | 11°45 | 29° 7 | 29°37 | 11°15 | n.a. | S 28 |
| S 29 | 23 25 16 | 19°50'40 | 7♏18 | 0♎36 | 17°44 | 3°55 | 24° 8 | 2°35 | 4°47 | 9°44 | 11°48 | 29° 8 | 29°34 | 11°22 | n.a. | S 29 |
| M30 | 23 29 12 | 20♍51'22 | 20♏57 | 2♎ 8 | 18♎58 | 4♎40 | 24♍21 | 2♌40 | 4♎50 | 9♏45 | 11♍50 | 29♍ 9 | 29♍31 | 11♋28 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n33 | 8s22 | 2n23 | 18n22 | 1n46 | 7n30 | 0n45 | 6n57 | 0n26 | 5n56 | 1n13 | 22n 6 | 1n29 | 0s46 | 0n35 | 13s22 | 1n33 | 22n40 | 16n18 | 0n 8 | 0s26 | 18n34 | | n.a. |
| M 2 | 14 13 | 12 0 | 3 24 | 17 47 | 1 43 | 6 59 | 0 43 | 6 40 | 0 25 | 5 51 | 1 13 | 22 5 | 1 29 | 0 47 | 0 35 | 13 22 | 1 33 | 22 39 | 16 18 | 0 8 | 0 24 | 18 33 | | n.a. |
| T 3 | 13 53 | 15 4 | 4 14 | 17 11 | 1 40 | 6 27 | 0 41 | 6 23 | 0 24 | 5 46 | 1 13 | 22 3 | 1 29 | 0 48 | 0 35 | 13 22 | 1 33 | 22 38 | 16 17 | 0 8 | 0 23 | 18 33 | | n.a. |
| W 4 | 13 33 | 17 19 | 4 50 | 16 34 | 1 36 | 5 56 | 0 39 | 6 5 | 0 24 | 5 41 | 1 13 | 22 2 | 1 30 | 0 50 | 0 35 | 13 23 | 1 33 | 22 37 | 16 17 | 0 8 | 0 22 | 18 33 | | n.a. |
| T 5 | 13 12 | 18 33 | 5 10 | 15 56 | 1 32 | 5 24 | 0 36 | 5 48 | 0 23 | 5 36 | 1 12 | 22 0 | 1 30 | 0 51 | 0 35 | 13 23 | 1 33 | 22 36 | 16 17 | 0 9 | 0 20 | 18 32 | | n.a. |
| F 6 | 12 51 | 18 35 | 5 9 | 15 18 | 1 27 | 4 52 | 0 34 | 5 30 | 0 22 | 5 31 | 1 12 | 21 59 | 1 30 | 0 52 | 0 35 | 13 23 | 1 33 | 22 34 | 16 17 | 0 10 | 0 19 | 18 32 | | n.a. |
| S 7 | 12 30 | 17 22 | 4 49 | 14 39 | 1 22 | 4 20 | 0 31 | 5 12 | 0 22 | 5 25 | 1 12 | 21 58 | 1 30 | 0 54 | 0 35 | 13 24 | 1 33 | 22 33 | 16 17 | 0 12 | 0 18 | 18 32 | | n.a. |
| S 8 | 12 9 | 14 58 | 4 9 | 13 59 | 1 17 | 3 48 | 0 29 | 4 54 | 0 21 | 5 20 | 1 12 | 21 56 | 1 30 | 0 55 | 0 35 | 13 24 | 1 33 | 22 32 | 16 17 | 0 14 | 0 17 | 18 32 | | n.a. |
| M 9 | 11 48 | 11 37 | 3 13 | 13 18 | 1 12 | 3 16 | 0 27 | 4 37 | 0 20 | 5 15 | 1 12 | 21 55 | 1 30 | 0 56 | 0 35 | 13 24 | 1 33 | 22 31 | 16 16 | 0 16 | 0 15 | 18 31 | | n.a. |
| T 10 | 11 26 | 7 34 | 2 4 | 12 37 | 1 7 | 2 43 | 0 24 | 4 19 | 0 20 | 5 9 | 1 12 | 21 54 | 1 30 | 0 58 | 0 35 | 13 25 | 1 33 | 22 30 | 16 16 | 0 17 | 0 14 | 18 31 | | n.a. |
| W11 | 11 5 | 3 10 | 0 49 | 11 56 | 1 1 | 2 11 | 0 22 | 4 1 | 0 19 | 5 4 | 1 12 | 21 52 | 1 31 | 0 59 | 0 35 | 13 25 | 1 33 | 22 29 | 16 16 | 0 18 | 0 13 | 18 31 | | n.a. |
| T 12 | 10 43 | 1n17 | 0s27 | 11 14 | 0 55 | 1 39 | 0 19 | 3 43 | 0 18 | 4 59 | 1 12 | 21 51 | 1 31 | 1 0 | 0 35 | 13 26 | 1 33 | 22 28 | 16 16 | 0 18 | 0 11 | 18 30 | | n.a. |
| F 13 | 10 20 | 5 33 | 1 39 | 10 31 | 0 50 | 1 6 | 0 16 | 3 25 | 0 17 | 4 54 | 1 12 | 21 50 | 1 31 | 1 2 | 0 35 | 13 26 | 1 33 | 22 27 | 16 16 | 0 17 | 0 10 | 18 30 | | n.a. |
| S 14 | 9 58 | 9 24 | 2 45 | 9 49 | 0 44 | 0 34 | 0 14 | 3 7 | 0 17 | 4 48 | 1 12 | 21 48 | 1 31 | 1 3 | 0 35 | 13 27 | 1 33 | 22 26 | 16 16 | 0 17 | 0 9 | 18 30 | | n.a. |
| S 15 | 9 36 | 12 42 | 3 40 | 9 6 | 0 37 | 0 1 | 0 11 | 2 48 | 0 16 | 4 43 | 1 11 | 21 47 | 1 31 | 1 4 | 0 35 | 13 27 | 1 33 | 22 25 | 16 16 | 0 16 | 0 8 | 18 29 | | n.a. |
| M16 | 9 13 | 15 20 | 4 23 | 8 23 | 0 31 | 0s32 | 0 9 | 2 30 | 0 15 | 4 38 | 1 11 | 21 46 | 1 31 | 1 6 | 0 35 | 13 27 | 1 33 | 22 24 | 16 16 | 0 16 | 0 6 | 18 29 | | n.a. |
| T 17 | 8 50 | 17 15 | 4 54 | 7 40 | 0 25 | 1 4 | 0 6 | 2 12 | 0 15 | 4 32 | 1 11 | 21 44 | 1 31 | 1 7 | 0 35 | 13 28 | 1 33 | 22 23 | 16 16 | 0 15 | 0 5 | 18 29 | | n.a. |
| W18 | 8 27 | 18 22 | 5 11 | 6 56 | 0 18 | 1 37 | 0 3 | 1 54 | 0 14 | 4 27 | 1 11 | 21 43 | 1 32 | 1 9 | 0 35 | 13 28 | 1 33 | 22 22 | 16 16 | 0 16 | 0 4 | 18 28 | | n.a. |
| T 19 | 8 4 | 18 40 | 5 15 | 6 13 | 0 12 | 2 9 | 0 1 | 1 35 | 0 13 | 4 21 | 1 11 | 21 42 | 1 32 | 1 10 | 0 35 | 13 29 | 1 32 | 22 21 | 16 16 | 0 16 | 0 2 | 18 28 | | n.a. |
| F 20 | 7 41 | 18 8 | 5 5 | 5 29 | 0 5 | 2 42 | 0s 2 | 1 17 | 0 13 | 4 16 | 1 11 | 21 41 | 1 32 | 1 11 | 0 35 | 13 29 | 1 32 | 22 20 | 16 16 | 0 17 | 0 1 | 18 27 | | n.a. |
| S 21 | 7 17 | 16 49 | 4 43 | 4 45 | 0s 1 | 3 14 | 0 5 | 0 59 | 0 12 | 4 11 | 1 11 | 21 39 | 1 32 | 1 13 | 0 35 | 13 30 | 1 32 | 22 19 | 16 16 | 0 18 | 0n 0 | 18 27 | | n.a. |
| S 22 | 6 54 | 14 45 | 4 7 | 4 1 | 0 8 | 3 47 | 0 8 | 0 40 | 0 11 | 4 5 | 1 11 | 21 38 | 1 32 | 1 14 | 0 35 | 13 30 | 1 32 | 22 18 | 16 16 | 0 19 | 0 1 | 18 27 | | n.a. |
| M23 | 6 30 | 12 0 | 3 21 | 3 18 | 0 14 | 4 19 | 0 10 | 0 22 | 0 11 | 4 0 | 1 11 | 21 37 | 1 32 | 1 16 | 0 35 | 13 31 | 1 32 | 22 17 | 16 16 | 0 20 | 0 3 | 18 26 | | n.a. |
| T 24 | 6 6 | 8 41 | 2 24 | 2 34 | 0 21 | 4 51 | 0 13 | 0 3 | 0 10 | 3 54 | 1 11 | 21 35 | 1 33 | 1 17 | 0 35 | 13 31 | 1 32 | 22 16 | 16 16 | 0 21 | 0 4 | 18 26 | | n.a. |
| W25 | 5 42 | 4 55 | 1 19 | 1 50 | 0 27 | 5 23 | 0 16 | 0s15 | 0 9 | 3 49 | 1 11 | 21 34 | 1 33 | 1 19 | 0 35 | 13 32 | 1 32 | 22 15 | 16 16 | 0 22 | 0 5 | 18 26 | | n.a. |
| T 26 | 5 18 | 0 51 | 0 9 | 1 7 | 0 34 | 5 55 | 0 19 | 0 34 | 0 9 | 3 43 | 1 11 | 21 33 | 1 33 | 1 20 | 0 35 | 13 32 | 1 32 | 22 14 | 16 16 | 0 22 | 0 7 | 18 25 | | n.a. |
| F 27 | 4 54 | 3s19 | 1n 3 | 0 23 | 0 40 | 6 27 | 0 22 | 0 52 | 0 8 | 3 38 | 1 11 | 21 32 | 1 33 | 1 22 | 0 35 | 13 33 | 1 32 | 22 13 | 16 16 | 0 22 | 0 8 | 18 25 | | n.a. |
| S 28 | 4 30 | 7 23 | 2 13 | 0s20 | 0 47 | 6 59 | 0 24 | 1 11 | 0 7 | 3 32 | 1 11 | 21 31 | 1 33 | 1 23 | 0 34 | 13 34 | 1 32 | 22 12 | 16 16 | 0 21 | 0 9 | 18 25 | | n.a. |
| S 29 | 4 6 | 11 8 | 3 16 | 1 3 | 0 53 | 7 31 | 0 27 | 1 29 | 0 7 | 3 27 | 1 10 | 21 29 | 1 33 | 1 25 | 0 34 | 13 34 | 1 32 | 22 11 | 16 16 | 0 21 | 0 10 | 18 24 | | n.a. |
| M30 | 3n42 | 14s21 | 4n10 | 1s46 | 0s59 | 8s 2 | 0s30 | 1s48 | 0n 6 | 3n22 | 1n10 | 21n28 | 1n34 | 1s26 | 0n34 | 13s35 | 1n32 | 22n10 | 16n16 | 0n21 | 0n12 | 18n24 | | n.a. |

Julian Day Number = 1002489.5, Delta T = 12h49m32s
Ecliptic obliquity = 23°55'06, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'41, Lahiri = -31°05'41 Julian Calendar 1 Sept. 1969 BCE == Greg. Calendar 15 Aug. 1969 BCE

The year -1968 astronomical counting style corresponds to year 1969 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## OCTOBER 1969 BCE (-1968) JC — 00:00 UT

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

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 3n17 | 16s47 | 4n49 | 2s29 | 1s 5 | 8s33 | 0s33 | 2s 6 | 0n 5 | 3n16 | 1n10 | 21n27 | 1n34 | 1s28 | 0n34 | 13s35 | 1n32 | 22n 9 | 16n16 | 0n20 | 0n13 | 18n23 | | | n.a. |
| W 2 | 2 53 | 18 15 | 5 12 | 3 11 | 1 11 | 9 4 | 0 36 | 2 25 | 0 5 | 3 11 | 1 10 | 21 26 | 1 34 | 1 29 | 0 34 | 13 36 | 1 32 | 22 8 | 16 16 | 0 20 | 0 14 | 18 23 | | | n.a. |
| T 3 | 2 28 | 18 37 | 5 17 | 3 53 | 1 17 | 9 35 | 0 38 | 2 44 | 0 4 | 3 5 | 1 10 | 21 25 | 1 34 | 1 30 | 0 34 | 13 36 | 1 32 | 22 7 | 16 16 | 0 20 | 0 16 | 18 23 | | | n.a. |
| F 4 | 2 4 | 17 48 | 5 2 | 4 35 | 1 23 | 10 6 | 0 41 | 3 2 | 0 3 | 3 0 | 1 10 | 21 24 | 1 34 | 1 32 | 0 34 | 13 37 | 1 32 | 22 7 | 16 16 | 0 20 | 0 17 | 18 22 | | | n.a. |
| S 5 | 1 39 | 15 51 | 4 28 | 5 17 | 1 29 | 10 36 | 0 44 | 3 21 | 0 2 | 2 54 | 1 10 | 21 23 | 1 35 | 1 33 | 0 34 | 13 38 | 1 32 | 22 6 | 16 16 | 0 21 | 0 18 | 18 22 | | | n.a. |
| S 6 | 1 15 | 12 55 | 3 37 | 5 58 | 1 34 | 11 6 | 0 47 | 3 39 | 0 2 | 2 49 | 1 10 | 21 22 | 1 35 | 1 35 | 0 34 | 13 38 | 1 32 | 22 5 | 16 16 | 0 21 | 0 20 | 18 21 | | | n.a. |
| M 7 | 0 50 | 9 12 | 2 33 | 6 38 | 1 40 | 11 36 | 0 49 | 3 58 | 0 1 | 2 43 | 1 10 | 21 21 | 1 35 | 1 36 | 0 34 | 13 39 | 1 32 | 22 4 | 16 16 | 0 21 | 0 21 | 18 21 | | | n.a. |
| T 8 | 0 25 | 5 0 | 1 21 | 7 19 | 1 45 | 12 6 | 0 52 | 4 16 | 0 0 | 2 38 | 1 10 | 21 19 | 1 35 | 1 38 | 0 34 | 13 39 | 1 32 | 22 3 | 16 17 | 0 21 | 0 22 | 18 21 | | | n.a. |
| W 9 | 0 1 | 0 35 | 0 4 | 7 58 | 1 50 | 12 35 | 0 55 | 4 35 | 0s 0 | 2 32 | 1 10 | 21 18 | 1 35 | 1 39 | 0 34 | 13 40 | 1 32 | 22 2 | 16 17 | 0 21 | 0 23 | 18 20 | | | n.a. |
| T 10 | 0s24 | 3n47 | 1s11 | 8 37 | 1 55 | 13 4 | 0 57 | 4 53 | 0 1 | 2 27 | 1 10 | 21 17 | 1 36 | 1 41 | 0 34 | 13 41 | 1 31 | 22 2 | 16 17 | 0 21 | 0 25 | 18 20 | | | n.a. |
| F 11 | 0 49 | 7 51 | 2 21 | 9 16 | 1 59 | 13 32 | 1 0 | 5 12 | 0 2 | 2 21 | 1 10 | 21 16 | 1 36 | 1 42 | 0 34 | 13 41 | 1 31 | 22 1 | 16 17 | 0 21 | 0 26 | 18 19 | | | n.a. |
| S 12 | 1 14 | 11 26 | 3 21 | 9 53 | 2 4 | 14 1 | 1 3 | 5 30 | 0 2 | 2 16 | 1 10 | 21 15 | 1 36 | 1 44 | 0 34 | 13 42 | 1 31 | 22 0 | 16 17 | 0 21 | 0 27 | 18 19 | | | n.a. |
| S 13 | 1 38 | 14 23 | 4 10 | 10 30 | 2 8 | 14 29 | 1 5 | 5 49 | 0 3 | 2 11 | 1 10 | 21 14 | 1 36 | 1 46 | 0 34 | 13 43 | 1 31 | 21 59 | 16 17 | 0 21 | 0 29 | 18 18 | | | n.a. |
| M14 | 2 3 | 16 37 | 4 46 | 11 6 | 2 11 | 14 56 | 1 8 | 6 7 | 0 4 | 2 5 | 1 10 | 21 14 | 1 36 | 1 47 | 0 34 | 13 43 | 1 31 | 21 59 | 16 18 | 0 22 | 0 30 | 18 18 | | | n.a. |
| T 15 | 2 28 | 18 2 | 5 9 | 11 41 | 2 14 | 15 23 | 1 10 | 6 26 | 0 4 | 2 0 | 1 10 | 21 13 | 1 37 | 1 49 | 0 34 | 13 44 | 1 31 | 21 58 | 16 18 | 0 22 | 0 31 | 18 18 | | | n.a. |
| W16 | 2 52 | 18 37 | 5 17 | 12 16 | 2 17 | 15 50 | 1 13 | 6 44 | 0 5 | 1 54 | 1 10 | 21 12 | 1 37 | 1 50 | 0 34 | 13 45 | 1 31 | 21 57 | 16 18 | 0 22 | 0 32 | 18 17 | | | n.a. |
| T 17 | 3 17 | 18 23 | 5 12 | 12 49 | 2 20 | 16 17 | 1 15 | 7 2 | 0 6 | 1 49 | 1 10 | 21 11 | 1 37 | 1 52 | 0 34 | 13 45 | 1 31 | 21 56 | 16 18 | 0 22 | 0 34 | 18 17 | | | n.a. |
| F 18 | 3 41 | 17 20 | 4 53 | 13 21 | 2 22 | 16 43 | 1 18 | 7 20 | 0 6 | 1 43 | 1 10 | 21 10 | 1 37 | 1 53 | 0 34 | 13 46 | 1 31 | 21 56 | 16 18 | 0 22 | 0 35 | 18 16 | | | n.a. |
| S 19 | 4 6 | 15 32 | 4 22 | 13 51 | 2 23 | 17 8 | 1 20 | 7 39 | 0 7 | 1 38 | 1 10 | 21 9 | 1 37 | 1 55 | 0 34 | 13 47 | 1 31 | 21 55 | 16 19 | 0 22 | 0 36 | 18 16 | | | n.a. |
| S 20 | 4 30 | 13 1 | 3 39 | 14 20 | 2 24 | 17 33 | 1 23 | 7 57 | 0 8 | 1 33 | 1 10 | 21 8 | 1 38 | 1 56 | 0 34 | 13 47 | 1 31 | 21 54 | 16 19 | 0 21 | 0 38 | 18 15 | | | n.a. |
| M21 | 4 55 | 9 54 | 2 45 | 14 48 | 2 25 | 17 58 | 1 25 | 8 15 | 0 8 | 1 27 | 1 10 | 21 7 | 1 38 | 1 58 | 0 34 | 13 48 | 1 31 | 21 54 | 16 19 | 0 21 | 0 39 | 18 15 | | | n.a. |
| T 22 | 5 19 | 6 17 | 1 43 | 15 14 | 2 24 | 18 22 | 1 27 | 8 33 | 0 9 | 1 22 | 1 10 | 21 7 | 1 38 | 1 59 | 0 34 | 13 49 | 1 31 | 21 53 | 16 19 | 0 20 | 0 40 | 18 15 | | | n.a. |
| W23 | 5 43 | 2 17 | 0 34 | 15 38 | 2 23 | 18 46 | 1 29 | 8 51 | 0 10 | 1 17 | 1 10 | 21 6 | 1 38 | 2 1 | 0 34 | 13 49 | 1 31 | 21 52 | 16 20 | 0 20 | 0 41 | 18 14 | | | n.a. |
| T 24 | 6 7 | 1s55 | 0n39 | 16 0 | 2 22 | 19 9 | 1 31 | 9 9 | 0 11 | 1 11 | 1 10 | 21 5 | 1 39 | 2 2 | 0 34 | 13 50 | 1 31 | 21 52 | 16 20 | 0 20 | 0 43 | 18 14 | | | n.a. |
| F 25 | 6 31 | 6 7 | 1 50 | 16 19 | 2 19 | 19 32 | 1 34 | 9 27 | 0 11 | 1 6 | 1 10 | 21 4 | 1 39 | 2 4 | 0 34 | 13 51 | 1 31 | 21 51 | 16 20 | 0 20 | 0 44 | 18 13 | | | n.a. |
| S 26 | 6 55 | 10 5 | 2 57 | 16 36 | 2 16 | 19 54 | 1 36 | 9 44 | 0 12 | 1 1 | 1 10 | 21 4 | 1 39 | 2 5 | 0 34 | 13 51 | 1 31 | 21 50 | 16 20 | 0 21 | 0 45 | 18 13 | | | n.a. |
| S 27 | 7 19 | 13 34 | 3 55 | 16 51 | 2 11 | 20 16 | 1 38 | 10 2 | 0 13 | 0 55 | 1 10 | 21 3 | 1 39 | 2 6 | 0 34 | 13 52 | 1 31 | 21 50 | 16 21 | 0 22 | 0 47 | 18 12 | | | n.a. |
| M28 | 7 43 | 16 17 | 4 39 | 17 2 | 2 5 | 20 37 | 1 40 | 10 20 | 0 13 | 0 50 | 1 10 | 21 2 | 1 39 | 2 8 | 0 34 | 13 53 | 1 31 | 21 49 | 16 21 | 0 23 | 0 48 | 18 12 | | | n.a. |
| T 29 | 8 6 | 18 3 | 5 6 | 17 11 | 1 59 | 20 57 | 1 41 | 10 37 | 0 14 | 0 45 | 1 10 | 21 2 | 1 40 | 2 9 | 0 34 | 13 54 | 1 31 | 21 49 | 16 21 | 0 25 | 0 49 | 18 11 | | | n.a. |
| W30 | 8 30 | 18 40 | 5 15 | 17 15 | 1 51 | 21 17 | 1 43 | 10 55 | 0 15 | 0 39 | 1 10 | 21 1 | 1 40 | 2 11 | 0 34 | 13 54 | 1 31 | 21 48 | 16 22 | 0 25 | 0 50 | 18 11 | | | n.a. |
| T 31 | 8s53 | 18s 8 | 5n 4 | 17s16 | 1s41 | 21s37 | 1s45 | 11s12 | 0s15 | 0n34 | 1n10 | 21n 0 | 1n40 | 2s12 | 0n34 | 13s55 | 1n31 | 21n48 | 16n22 | 0n26 | 0n52 | 18n10 | | | n.a. |

Julian Day Number = 1002519.5, Delta T = 12h49m30s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'37, Lahiri = -31°05'37 Julian Calendar 1 Oct. 1969 BCE == Greg. Calendar 14 Sept. 1969 BCE

The year -1968 astronomical counting style corresponds to year 1969 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## NOVEMBER 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 35 22 | 23♎25'06 | 28♉12 | 12♏ 8 | 28♏21 | 28♎45 | 1♎27 | 5♌ 5 | 6♎48 | 10♏48 | 13♍ 2 | 28°D56 | 27♍49 | 15♋ 3 | n.a. | F 1 |
| S 2 | 1 39 19 | 24°26'23 | 12♒17 | 12°21 | 29°35 | 29°31 | 1°39 | 5° 8 | 6°52 | 10°50 | 13° 4 | 28♍57 | 27°46 | 15°10 | n.a. | S 2 |
| S 3 | 1 43 15 | 25°27'41 | 26°14 | 12°R23 | 0♐48 | 0♏17 | 1°52 | 5°11 | 6°55 | 10°52 | 13° 6 | 28°58 | 27°43 | 15°17 | n.a. | S 3 |
| M 4 | 1 47 12 | 26°28'59 | 10♓ 4 | 12°15 | 2° 1 | 1° 3 | 2° 5 | 5°14 | 6°59 | 10°55 | 13° 8 | 29° 0 | 27°40 | 15°24 | n.a. | M 4 |
| T 5 | 1 51 8 | 27°30'17 | 23°44 | 11°55 | 3°15 | 1°49 | 2°18 | 5°16 | 7° 2 | 10°57 | 13°10 | 29°R 1 | 27°37 | 15°30 | n.a. | T 5 |
| W 6 | 1 55 5 | 28°31'35 | 7♈14 | 11°23 | 4°28 | 2°35 | 2°31 | 5°19 | 7° 6 | 10°59 | 13°12 | 29° 1 | 27°33 | 15°37 | n.a. | W 6 |
| T 7 | 1 59 1 | 29°32'53 | 20°32 | 10°40 | 5°41 | 3°22 | 2°43 | 5°22 | 7°10 | 11° 1 | 13°14 | 28°59 | 27°30 | 15°44 | n.a. | T 7 |
| F 8 | 2 2 58 | 0♏34'11 | 3♉36 | 9°46 | 6°54 | 4° 8 | 2°56 | 5°24 | 7°13 | 11° 4 | 13°15 | 28°55 | 27°27 | 15°51 | n.a. | F 8 |
| S 9 | 2 6 55 | 1°35'30 | 16°27 | 8°42 | 8° 7 | 4°54 | 3° 9 | 5°27 | 7°17 | 11° 6 | 13°17 | 28°50 | 27°24 | 15°57 | n.a. | S 9 |
| S 10 | 2 10 51 | 2°36'49 | 29° 3 | 7°30 | 9°20 | 5°40 | 3°21 | 5°29 | 7°20 | 11° 8 | 13°19 | 28°44 | 27°21 | 16° 4 | n.a. | S 10 |
| M11 | 2 14 48 | 3°38'08 | 11♊25 | 6°12 | 10°33 | 6°26 | 3°34 | 5°31 | 7°23 | 11°10 | 13°21 | 28°38 | 27°17 | 16°11 | n.a. | M11 |
| T 12 | 2 18 44 | 4°39'27 | 23°35 | 4°51 | 11°46 | 7°13 | 3°46 | 5°33 | 7°27 | 11°13 | 13°22 | 28°32 | 27°14 | 16°17 | n.a. | T 12 |
| W13 | 2 22 41 | 5°40'47 | 5♋35 | 3°29 | 12°58 | 7°59 | 3°59 | 5°35 | 7°30 | 11°15 | 13°24 | 28°26 | 27°11 | 16°24 | n.a. | W13 |
| T 14 | 2 26 37 | 6°42'07 | 17°28 | 2° 9 | 14°11 | 8°46 | 4°11 | 5°37 | 7°34 | 11°17 | 13°26 | 28°23 | 27° 8 | 16°31 | n.a. | T 14 |
| F 15 | 2 30 34 | 7°43'27 | 29°19 | 0°54 | 15°24 | 9°32 | 4°23 | 5°39 | 7°37 | 11°19 | 13°28 | 28°20 | 27° 5 | 16°38 | n.a. | F 15 |
| S 16 | 2 34 31 | 8°44'47 | 11♌12 | 29♎45 | 16°36 | 10°18 | 4°36 | 5°41 | 7°40 | 11°22 | 13°29 | 28°D20 | 27° 2 | 16°44 | n.a. | S 16 |
| S 17 | 2 38 27 | 9°46'08 | 23°13 | 28°45 | 17°49 | 11° 5 | 4°48 | 5°42 | 7°44 | 11°24 | 13°31 | 28°21 | 26°58 | 16°51 | n.a. | S 17 |
| M18 | 2 42 24 | 10°47'28 | 5♍27 | 27°54 | 19° 2 | 11°51 | 5° 0 | 5°44 | 7°47 | 11°26 | 13°32 | 28°22 | 26°55 | 16°58 | n.a. | M18 |
| T 19 | 2 46 20 | 11°48'48 | 17°58 | 27°14 | 20°14 | 12°38 | 5°12 | 5°45 | 7°50 | 11°28 | 13°34 | 28°24 | 26°52 | 17° 4 | n.a. | T 19 |
| W20 | 2 50 17 | 12°50'09 | 0♎51 | 26°43 | 21°26 | 13°25 | 5°24 | 5°46 | 7°53 | 11°31 | 13°35 | 28°R24 | 26°49 | 17°11 | n.a. | W20 |
| T 21 | 2 54 13 | 13°51'29 | 14° 7 | 26°23 | 22°39 | 14°11 | 5°36 | 5°48 | 7°57 | 11°33 | 13°37 | 28°23 | 26°46 | 17°18 | n.a. | T 21 |
| F 22 | 2 58 10 | 14°52'49 | 27°48 | 26°13 | 23°51 | 14°58 | 5°48 | 5°49 | 8° 0 | 11°35 | 13°38 | 28°20 | 26°42 | 17°25 | n.a. | F 22 |
| S 23 | 3 2 6 | 15°54'09 | 11♏53 | 26°D11 | 25° 3 | 15°44 | 6° 0 | 5°50 | 8° 3 | 11°38 | 13°40 | 28°14 | 26°39 | 17°31 | n.a. | S 23 |
| S 24 | 3 6 3 | 16°55'28 | 26°17 | 26°19 | 26°15 | 16°31 | 6°12 | 5°50 | 8° 6 | 11°40 | 13°41 | 28° 7 | 26°36 | 17°38 | n.a. | S 24 |
| M25 | 3 10 0 | 17°56'47 | 10♐53 | 26°34 | 27°27 | 17°18 | 6°23 | 5°51 | 8° 9 | 11°42 | 13°42 | 27°58 | 26°33 | 17°45 | n.a. | M25 |
| T 26 | 3 13 56 | 18°58'06 | 25°36 | 26°57 | 28°39 | 18° 5 | 6°35 | 5°52 | 8°12 | 11°44 | 13°44 | 27°50 | 26°30 | 17°51 | n.a. | T 26 |
| W27 | 3 17 53 | 19°59'23 | 10♑16 | 27°27 | 29°51 | 18°51 | 6°46 | 5°52 | 8°15 | 11°47 | 13°45 | 27°43 | 26°27 | 17°58 | n.a. | W27 |
| T 28 | 3 21 49 | 21° 0'40 | 24°47 | 28° 2 | 1♑ 3 | 19°38 | 6°58 | 5°53 | 8°18 | 11°49 | 13°46 | 27°38 | 26°23 | 18° 5 | n.a. | T 28 |
| F 29 | 3 25 46 | 22° 1'56 | 9♒ 5 | 28°43 | 2°15 | 20°25 | 7° 9 | 5°53 | 8°21 | 11°51 | 13°48 | 27°35 | 26°20 | 18°12 | n.a. | F 29 |
| S 30 | 3 29 42 | 23♏ 3'11 | 23♒ 8 | 29♎28 | 3♑26 | 21♏12 | 7♎21 | 5♌53 | 8♎24 | 11♏53 | 13♍49 | 27°D34 | 26♍17 | 18♋18 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 9s16 | 16s27 | 4n35 | 17s13 | 1s31 | 21s55 | 1s47 | 11s30 | 0s16 | 0n29 | 1n10 | 21n 0 | 1n40 | 2s14 | 0n34 | 13s56 | 1n31 | 21n47 | 16n22 | 0n26 | 0n53 | 18n10 | | n.a. |
| S 2 | 9 39 | 13 48 | 3 49 | 17 5 | 1 18 | 22 14 | 1 48 | 11 47 | 0 17 | 0 24 | 1 10 | 20 59 | 1 41 | 2 15 | 0 34 | 13 56 | 1 31 | 21 47 | 16 23 | 0 26 | 0 54 | 18 9 | | n.a. |
| S 3 | 10 2 | 10 21 | 2 50 | 16 53 | 1 5 | 22 31 | 1 50 | 12 4 | 0 17 | 0 18 | 1 10 | 20 59 | 1 41 | 2 17 | 0 34 | 13 57 | 1 31 | 21 46 | 16 23 | 0 25 | 0 56 | 18 9 | | n.a. |
| M 4 | 10 25 | 6 22 | 1 42 | 16 36 | 0 49 | 22 48 | 1 52 | 12 21 | 0 18 | 0 13 | 1 10 | 20 58 | 1 41 | 2 18 | 0 34 | 13 58 | 1 31 | 21 46 | 16 23 | 0 24 | 0 57 | 18 8 | | n.a. |
| T 5 | 10 47 | 2 6 | 0 29 | 16 14 | 0 33 | 23 4 | 1 53 | 12 38 | 0 19 | 0 8 | 1 10 | 20 58 | 1 41 | 2 20 | 0 34 | 13 59 | 1 31 | 21 45 | 16 24 | 0 24 | 0 58 | 18 8 | | n.a. |
| W 6 | 11 10 | 2n14 | 0s45 | 15 47 | 0 15 | 23 20 | 1 54 | 12 55 | 0 19 | 0 3 | 1 10 | 20 57 | 1 42 | 2 21 | 0 34 | 13 59 | 1 31 | 21 45 | 16 24 | 0 24 | 0 59 | 18 7 | | n.a. |
| T 7 | 11 32 | 6 24 | 1 55 | 15 15 | 0n 4 | 23 35 | 1 56 | 13 12 | 0 20 | 0s 2 | 1 10 | 20 57 | 1 42 | 2 22 | 0 34 | 14 0 | 1 31 | 21 44 | 16 24 | 0 25 | 1 1 | 18 7 | | n.a. |
| F 8 | 11 54 | 10 11 | 2 58 | 14 39 | 0 24 | 23 49 | 1 57 | 13 28 | 0 21 | 0 7 | 1 10 | 20 57 | 1 42 | 2 24 | 0 34 | 14 1 | 1 31 | 21 44 | 16 25 | 0 26 | 1 2 | 18 6 | | n.a. |
| S 9 | 12 16 | 13 25 | 3 50 | 13 59 | 0 45 | 24 2 | 1 58 | 13 45 | 0 21 | 0 12 | 1 10 | 20 56 | 1 42 | 2 25 | 0 34 | 14 1 | 1 31 | 21 44 | 16 25 | 0 28 | 1 3 | 18 6 | | n.a. |
| S 10 | 12 37 | 15 57 | 4 30 | 13 16 | 1 5 | 24 15 | 1 59 | 14 1 | 0 22 | 0 17 | 1 10 | 20 56 | 1 43 | 2 27 | 0 34 | 14 2 | 1 31 | 21 43 | 16 25 | 0 31 | 1 5 | 18 5 | | n.a. |
| M11 | 12 59 | 17 42 | 4 57 | 12 31 | 1 25 | 24 27 | 2 0 | 14 17 | 0 23 | 0 22 | 1 10 | 20 56 | 1 43 | 2 28 | 0 34 | 14 3 | 1 31 | 21 43 | 16 26 | 0 33 | 1 6 | 18 5 | | n.a. |
| T 12 | 13 20 | 18 36 | 5 10 | 11 46 | 1 44 | 24 39 | 2 1 | 14 33 | 0 23 | 0 27 | 1 10 | 20 55 | 1 43 | 2 29 | 0 34 | 14 4 | 1 31 | 21 43 | 16 26 | 0 36 | 1 7 | 18 4 | | n.a. |
| W13 | 13 41 | 18 40 | 5 8 | 11 2 | 2 1 | 24 49 | 2 2 | 14 49 | 0 24 | 0 32 | 1 10 | 20 55 | 1 43 | 2 31 | 0 34 | 14 4 | 1 31 | 21 42 | 16 27 | 0 38 | 1 8 | 18 4 | | n.a. |
| T 14 | 14 1 | 17 54 | 4 54 | 10 19 | 2 17 | 24 59 | 2 3 | 15 5 | 0 24 | 0 37 | 1 10 | 20 55 | 1 44 | 2 32 | 0 34 | 14 5 | 1 31 | 21 42 | 16 27 | 0 40 | 1 10 | 18 3 | | n.a. |
| F 15 | 14 22 | 16 21 | 4 27 | 9 40 | 2 31 | 25 8 | 2 3 | 15 21 | 0 25 | 0 42 | 1 10 | 20 55 | 1 44 | 2 33 | 0 34 | 14 6 | 1 30 | 21 42 | 16 28 | 0 40 | 1 11 | 18 3 | | n.a. |
| S 16 | 14 42 | 14 6 | 3 48 | 9 5 | 2 42 | 25 17 | 2 4 | 15 37 | 0 26 | 0 47 | 1 10 | 20 54 | 1 44 | 2 35 | 0 34 | 14 7 | 1 30 | 21 42 | 16 28 | 0 41 | 1 12 | 18 2 | | n.a. |
| S 17 | 15 2 | 11 14 | 2 59 | 8 35 | 2 51 | 25 25 | 2 4 | 15 52 | 0 26 | 0 52 | 1 10 | 20 54 | 1 44 | 2 36 | 0 34 | 14 7 | 1 30 | 21 41 | 16 28 | 0 40 | 1 14 | 18 2 | | n.a. |
| M18 | 15 22 | 7 49 | 2 1 | 8 10 | 2 58 | 25 32 | 2 5 | 16 7 | 0 27 | 0 57 | 1 11 | 20 54 | 1 45 | 2 37 | 0 34 | 14 8 | 1 30 | 21 41 | 16 29 | 0 40 | 1 15 | 18 1 | | n.a. |
| T 19 | 15 41 | 3 59 | 0 56 | 7 51 | 3 3 | 25 38 | 2 5 | 16 23 | 0 28 | 1 2 | 1 11 | 20 54 | 1 45 | 2 39 | 0 34 | 14 9 | 1 30 | 21 41 | 16 29 | 0 39 | 1 16 | 18 1 | | n.a. |
| W20 | 16 0 | 0s 8 | 0n13 | 7 37 | 3 6 | 25 43 | 2 5 | 16 38 | 0 28 | 1 7 | 1 11 | 20 54 | 1 45 | 2 40 | 0 34 | 14 9 | 1 30 | 21 41 | 16 30 | 0 39 | 1 17 | 18 0 | | n.a. |
| T 21 | 16 19 | 4 23 | 1 24 | 7 29 | 3 7 | 25 48 | 2 5 | 16 52 | 0 29 | 1 11 | 1 11 | 20 54 | 1 45 | 2 41 | 0 34 | 14 10 | 1 30 | 21 40 | 16 30 | 0 39 | 1 19 | 18 0 | | n.a. |
| F 22 | 16 37 | 8 33 | 2 32 | 7 26 | 3 6 | 25 52 | 2 5 | 17 7 | 0 30 | 1 16 | 1 11 | 20 54 | 1 46 | 2 42 | 0 34 | 14 11 | 1 30 | 21 40 | 16 31 | 0 41 | 1 20 | 17 59 | | n.a. |
| S 23 | 16 56 | 12 20 | 3 33 | 7 27 | 3 4 | 25 55 | 2 5 | 17 22 | 0 30 | 1 21 | 1 11 | 20 54 | 1 46 | 2 44 | 0 34 | 14 12 | 1 30 | 21 40 | 16 31 | 0 43 | 1 21 | 17 59 | | n.a. |
| S 24 | 17 14 | 15 29 | 4 21 | 7 33 | 3 1 | 25 57 | 2 5 | 17 36 | 0 31 | 1 26 | 1 11 | 20 54 | 1 46 | 2 45 | 0 34 | 14 12 | 1 30 | 21 40 | 16 32 | 0 46 | 1 23 | 17 58 | | n.a. |
| M25 | 17 31 | 17 41 | 4 53 | 7 42 | 2 57 | 25 59 | 2 5 | 17 50 | 0 31 | 1 30 | 1 11 | 20 54 | 1 46 | 2 46 | 0 34 | 14 13 | 1 30 | 21 40 | 16 32 | 0 49 | 1 24 | 17 57 | | n.a. |
| T 26 | 17 48 | 18 45 | 5 6 | 7 55 | 2 52 | 25 59 | 2 5 | 18 4 | 0 32 | 1 35 | 1 11 | 20 54 | 1 47 | 2 47 | 0 34 | 14 14 | 1 30 | 21 40 | 16 33 | 0 53 | 1 25 | 17 57 | | n.a. |
| W27 | 18 5 | 18 32 | 4 59 | 8 11 | 2 46 | 25 59 | 2 4 | 18 18 | 0 33 | 1 39 | 1 11 | 20 54 | 1 47 | 2 49 | 0 34 | 14 14 | 1 30 | 21 40 | 16 33 | 0 56 | 1 26 | 17 56 | | n.a. |
| T 28 | 18 22 | 17 7 | 4 33 | 8 30 | 2 40 | 25 58 | 2 4 | 18 32 | 0 33 | 1 44 | 1 11 | 20 54 | 1 47 | 2 50 | 0 35 | 14 15 | 1 30 | 21 40 | 16 33 | 0 58 | 1 28 | 17 56 | | n.a. |
| F 29 | 18 38 | 14 39 | 3 50 | 8 51 | 2 33 | 25 57 | 2 3 | 18 45 | 0 34 | 1 48 | 1 11 | 20 55 | 1 47 | 2 51 | 0 35 | 14 16 | 1 30 | 21 40 | 16 34 | 0 59 | 1 29 | 17 55 | | n.a. |
| S 30 | 18s54 | 11s21 | 2n54 | 9s14 | 2n26 | 25s55 | 2s 2 | 18s58 | 0s35 | 1s53 | 1n11 | 20n55 | 1n48 | 2s52 | 0n35 | 14s17 | 1n30 | 21n40 | 16n34 | 0n59 | 1n30 | 17n55 | | n.a. |

Julian Day Number = 1002550.5, Delta T = 12h49m28s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'33, Lahiri = -31°05'33 Julian Calendar 1 Nov. 1969 BCE == Greg. Calendar 15 Oct. 1969 BCE

The year -1968 astronomical counting style corresponds to year 1969 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1969 BCE
# geocentric

## DECEMBER 1969 BCE (-1968) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 33 39 | 24♏ 4'24 | 6♓55 | 0♏18 | 4♑38 | 21♏59 | 7♎32 | 5°R53 | 8♎27 | 11♏56 | 13♍50 | 27♍34 | 26♍14 | 18♋25 | n.a. | S 1 |
| M 2 | 3 37 36 | 25° 5'37 | 20°27 | 1°12 | 5°49 | 22°46 | 7°43 | 5♌53 | 8°30 | 11°58 | 13°51 | 27°35 | 26°11 | 18°32 | n.a. | M 2 |
| T 3 | 3 41 32 | 26° 6'48 | 3♈45 | 2° 9 | 7° 1 | 23°33 | 7°54 | 5°53 | 8°33 | 12° 0 | 13°52 | 27°R35 | 26° 8 | 18°38 | n.a. | T 3 |
| W 4 | 3 45 29 | 27° 7'59 | 16°50 | 3°10 | 8°12 | 24°20 | 8° 5 | 5°53 | 8°35 | 12° 2 | 13°53 | 27°33 | 26° 4 | 18°45 | n.a. | W 4 |
| T 5 | 3 49 25 | 28° 9'08 | 29°45 | 4°13 | 9°23 | 25° 6 | 8°16 | 5°53 | 8°38 | 12° 5 | 13°54 | 27°29 | 26° 1 | 18°52 | n.a. | T 5 |
| F 6 | 3 53 22 | 29°10'17 | 12♉28 | 5°19 | 10°34 | 25°53 | 8°27 | 5°52 | 8°41 | 12° 7 | 13°55 | 27°22 | 25°58 | 18°59 | n.a. | F 6 |
| S 7 | 3 57 18 | 0♐11'24 | 25° 2 | 6°27 | 11°45 | 26°40 | 8°37 | 5°52 | 8°44 | 12° 9 | 13°56 | 27°12 | 25°55 | 19° 5 | n.a. | S 7 |
| S 8 | 4 1 15 | 1°12'31 | 7♊25 | 7°37 | 12°56 | 27°27 | 8°48 | 5°51 | 8°46 | 12°11 | 13°57 | 27° 0 | 25°52 | 19°12 | n.a. | S 8 |
| M 9 | 4 5 12 | 2°13'36 | 19°39 | 8°49 | 14° 6 | 28°14 | 8°58 | 5°50 | 8°49 | 12°13 | 13°58 | 26°47 | 25°48 | 19°19 | n.a. | M 9 |
| T 10 | 4 9 8 | 3°14'41 | 1♋43 | 10° 3 | 15°17 | 29° 1 | 9° 9 | 5°49 | 8°51 | 12°15 | 13°59 | 26°35 | 25°45 | 19°25 | n.a. | T 10 |
| W11 | 4 13 5 | 4°15'44 | 13°41 | 11°19 | 16°27 | 29°49 | 9°19 | 5°48 | 8°54 | 12°18 | 14° 0 | 26°23 | 25°42 | 19°32 | n.a. | W11 |
| T 12 | 4 17 1 | 5°16'47 | 25°33 | 12°35 | 17°37 | 0♐36 | 9°29 | 5°47 | 8°56 | 12°20 | 14° 1 | 26°14 | 25°39 | 19°39 | n.a. | T 12 |
| F 13 | 4 20 58 | 6°17'49 | 7♌22 | 13°54 | 18°47 | 1°23 | 9°39 | 5°46 | 8°59 | 12°22 | 14° 1 | 26° 7 | 25°36 | 19°46 | n.a. | F 13 |
| S 14 | 4 24 54 | 7°18'49 | 19°14 | 15°13 | 19°57 | 2°10 | 9°49 | 5°45 | 9° 1 | 12°24 | 14° 2 | 26° 3 | 25°33 | 19°52 | n.a. | S 14 |
| S 15 | 4 28 51 | 8°19'49 | 1♍12 | 16°34 | 21° 7 | 2°57 | 9°59 | 5°43 | 9° 3 | 12°26 | 14° 3 | 26° 1 | 25°29 | 19°59 | n.a. | S 15 |
| M16 | 4 32 47 | 9°20'47 | 13°21 | 17°56 | 22°17 | 3°44 | 10° 9 | 5°42 | 9° 6 | 12°28 | 14° 3 | 26°D 1 | 25°26 | 20° 6 | n.a. | M16 |
| T 17 | 4 36 44 | 10°21'45 | 25°48 | 19°19 | 23°27 | 4°31 | 10°19 | 5°40 | 9° 8 | 12°30 | 14° 4 | 26°R 2 | 25°23 | 20°12 | n.a. | T 17 |
| W18 | 4 40 41 | 11°22'42 | 8♎37 | 20°43 | 24°36 | 5°18 | 10°28 | 5°39 | 9°10 | 12°32 | 14° 4 | 26° 1 | 25°20 | 20°19 | n.a. | W18 |
| T 19 | 4 44 37 | 12°23'37 | 21°52 | 22° 8 | 25°45 | 6° 6 | 10°38 | 5°37 | 9°12 | 12°34 | 14° 5 | 25°58 | 25°17 | 20°26 | n.a. | T 19 |
| F 20 | 4 48 34 | 13°24'31 | 5♏37 | 23°34 | 26°54 | 6°53 | 10°47 | 5°35 | 9°15 | 12°36 | 14° 6 | 25°53 | 25°14 | 20°32 | n.a. | F 20 |
| S 21 | 4 52 30 | 14°25'24 | 19°50 | 25° 1 | 28° 3 | 7°40 | 10°57 | 5°33 | 9°17 | 12°38 | 14° 6 | 25°46 | 25°10 | 20°39 | n.a. | S 21 |
| S 22 | 4 56 27 | 15°26'16 | 4♐29 | 26°29 | 29°12 | 8°27 | 11° 6 | 5°31 | 9°19 | 12°40 | 14° 6 | 25°35 | 25° 7 | 20°46 | n.a. | S 22 |
| M23 | 5 0 23 | 16°27'07 | 19°26 | 27°58 | 0♒21 | 9°14 | 11°15 | 5°29 | 9°21 | 12°42 | 14° 7 | 25°24 | 25° 4 | 20°53 | n.a. | M23 |
| T 24 | 5 4 20 | 17°27'56 | 4♑33 | 29°27 | 1°29 | 10° 1 | 11°24 | 5°26 | 9°23 | 12°44 | 14° 7 | 25°12 | 25° 1 | 20°59 | n.a. | T 24 |
| W25 | 5 8 17 | 18°28'43 | 19°39 | 0♐58 | 2°38 | 10°49 | 11°32 | 5°24 | 9°24 | 12°46 | 14° 7 | 25° 2 | 24°58 | 21° 6 | n.a. | W25 |
| T 26 | 5 12 13 | 19°29'28 | 4♒34 | 2°29 | 3°46 | 11°36 | 11°41 | 5°22 | 9°26 | 12°48 | 14° 8 | 24°53 | 24°54 | 21°13 | n.a. | T 26 |
| F 27 | 5 16 10 | 20°30'12 | 19°11 | 4° 1 | 4°54 | 12°23 | 11°49 | 5°19 | 9°28 | 12°50 | 14° 8 | 24°48 | 24°51 | 21°19 | n.a. | F 27 |
| S 28 | 5 20 6 | 21°30'54 | 3♓25 | 5°34 | 6° 1 | 13°10 | 11°58 | 5°16 | 9°30 | 12°52 | 14° 8 | 24°46 | 24°48 | 21°26 | n.a. | S 28 |
| S 29 | 5 24 3 | 22°31'33 | 17°16 | 7° 7 | 7° 9 | 13°58 | 12° 6 | 5°14 | 9°32 | 12°54 | 14° 8 | 24°45 | 24°45 | 21°33 | n.a. | S 29 |
| M30 | 5 27 59 | 23°32'11 | 0♈45 | 8°42 | 8°16 | 14°45 | 12°14 | 5°11 | 9°33 | 12°56 | 14° 9 | 24°45 | 24°42 | 21°40 | n.a. | M30 |
| T 31 | 5 31 56 | 24♐32'46 | 13♈54 | 10♐17 | 9♒23 | 15♐32 | 12♎22 | 5♌ 8 | 9♎35 | 12♏58 | 14♍ 9 | 24♍44 | 24♍39 | 21♋46 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 19s10 | 7s28 | 1n48 | 9s39 | 2n18 | 25s51 | 2s 1 | 19s11 | 0s35 | 1s57 | 1n11 | 20n55 | 1n48 | 2s53 | 0n35 | 14s17 | 1n30 | 21n40 | 16n35 | 0n59 | 1n32 | 17n54 | | n.a. |
| M 2 | 19 25 | 3 16 | 0 38 | 10 6 | 2 10 | 25 48 | 2 0 | 19 24 | 0 36 | 2 2 | 1 12 | 20 55 | 1 48 | 2 54 | 0 35 | 14 18 | 1 30 | 21 40 | 16 35 | 0 59 | 1 33 | 17 54 | | n.a. |
| T 3 | 19 40 | 1n 1 | 0s33 | 10 33 | 2 2 | 25 43 | 1 59 | 19 37 | 0 36 | 2 6 | 1 12 | 20 55 | 1 48 | 2 56 | 0 35 | 14 19 | 1 30 | 21 40 | 16 36 | 0 59 | 1 34 | 17 53 | | n.a. |
| W 4 | 19 55 | 5 12 | 1 41 | 11 2 | 1 54 | 25 38 | 1 58 | 19 50 | 0 37 | 2 10 | 1 12 | 20 56 | 1 49 | 2 57 | 0 35 | 14 19 | 1 30 | 21 40 | 16 36 | 0 59 | 1 35 | 17 52 | | n.a. |
| T 5 | 20 9 | 9 4 | 2 43 | 11 31 | 1 46 | 25 31 | 1 57 | 20 2 | 0 38 | 2 15 | 1 12 | 20 56 | 1 49 | 2 58 | 0 35 | 14 20 | 1 30 | 21 40 | 16 37 | 1 1 | 1 37 | 17 52 | | n.a. |
| F 6 | 20 22 | 12 28 | 3 35 | 12 2 | 1 37 | 25 25 | 1 56 | 20 14 | 0 38 | 2 19 | 1 12 | 20 56 | 1 49 | 2 59 | 0 35 | 14 21 | 1 30 | 21 40 | 16 38 | 1 4 | 1 38 | 17 51 | | n.a. |
| S 7 | 20 36 | 15 15 | 4 17 | 12 33 | 1 29 | 25 17 | 1 54 | 20 26 | 0 39 | 2 23 | 1 12 | 20 57 | 1 49 | 3 0 | 0 35 | 14 21 | 1 30 | 21 40 | 16 38 | 1 8 | 1 39 | 17 51 | | n.a. |
| S 8 | 20 49 | 17 18 | 4 45 | 13 4 | 1 20 | 25 9 | 1 53 | 20 37 | 0 39 | 2 27 | 1 12 | 20 57 | 1 50 | 3 1 | 0 35 | 14 22 | 1 30 | 21 40 | 16 39 | 1 13 | 1 41 | 17 50 | | n.a. |
| M 9 | 21 1 | 18 31 | 5 0 | 13 36 | 1 12 | 25 0 | 1 51 | 20 49 | 0 40 | 2 31 | 1 12 | 20 58 | 1 50 | 3 2 | 0 35 | 14 23 | 1 30 | 21 40 | 16 39 | 1 18 | 1 42 | 17 49 | | n.a. |
| T 10 | 21 13 | 18 53 | 5 1 | 14 7 | 1 3 | 24 50 | 1 49 | 21 0 | 0 40 | 2 35 | 1 12 | 20 58 | 1 50 | 3 3 | 0 35 | 14 23 | 1 30 | 21 40 | 16 40 | 1 23 | 1 43 | 17 49 | | n.a. |
| W11 | 21 25 | 18 25 | 4 49 | 14 39 | 0 55 | 24 39 | 1 47 | 21 11 | 0 41 | 2 39 | 1 12 | 20 59 | 1 50 | 3 4 | 0 35 | 14 24 | 1 30 | 21 40 | 16 40 | 1 28 | 1 44 | 17 48 | | n.a. |
| T 12 | 21 37 | 17 8 | 4 24 | 15 11 | 0 47 | 24 28 | 1 45 | 21 22 | 0 42 | 2 43 | 1 13 | 20 59 | 1 51 | 3 5 | 0 35 | 14 25 | 1 30 | 21 41 | 16 41 | 1 32 | 1 46 | 17 48 | | n.a. |
| F 13 | 21 47 | 15 7 | 3 48 | 15 43 | 0 38 | 24 16 | 1 43 | 21 32 | 0 42 | 2 47 | 1 13 | 21 0 | 1 51 | 3 6 | 0 35 | 14 25 | 1 30 | 21 41 | 16 41 | 1 34 | 1 47 | 17 47 | | n.a. |
| S 14 | 21 58 | 12 28 | 3 2 | 16 15 | 0 30 | 24 4 | 1 41 | 21 42 | 0 43 | 2 51 | 1 13 | 21 0 | 1 51 | 3 7 | 0 35 | 14 26 | 1 30 | 21 41 | 16 42 | 1 36 | 1 48 | 17 46 | | n.a. |
| S 15 | 22 8 | 9 17 | 2 8 | 16 46 | 0 22 | 23 51 | 1 39 | 21 52 | 0 43 | 2 55 | 1 13 | 21 1 | 1 51 | 3 8 | 0 35 | 14 27 | 1 31 | 21 41 | 16 42 | 1 37 | 1 50 | 17 46 | | n.a. |
| M16 | 22 18 | 5 39 | 1 7 | 17 18 | 0 14 | 23 37 | 1 36 | 22 2 | 0 44 | 2 59 | 1 13 | 21 2 | 1 52 | 3 9 | 0 35 | 14 27 | 1 31 | 21 41 | 16 43 | 1 37 | 1 51 | 17 45 | | n.a. |
| T 17 | 22 27 | 1 41 | 0 1 | 17 48 | 0 6 | 23 22 | 1 34 | 22 12 | 0 44 | 3 3 | 1 13 | 21 2 | 1 52 | 3 9 | 0 35 | 14 28 | 1 31 | 21 42 | 16 43 | 1 37 | 1 52 | 17 45 | | n.a. |
| W18 | 22 36 | 2s28 | 1n 6 | 18 19 | 0s 1 | 23 7 | 1 31 | 22 21 | 0 45 | 3 7 | 1 13 | 21 3 | 1 52 | 3 10 | 0 35 | 14 28 | 1 31 | 21 42 | 16 44 | 1 37 | 1 53 | 17 44 | | n.a. |
| T 19 | 22 44 | 6 39 | 2 12 | 18 49 | 0 9 | 22 52 | 1 28 | 22 30 | 0 45 | 3 10 | 1 13 | 21 3 | 1 52 | 3 11 | 0 35 | 14 29 | 1 31 | 21 42 | 16 44 | 1 38 | 1 55 | 17 43 | | n.a. |
| F 20 | 22 52 | 10 37 | 3 13 | 19 18 | 0 16 | 22 35 | 1 25 | 22 39 | 0 46 | 3 14 | 1 13 | 21 4 | 1 53 | 3 12 | 0 35 | 14 30 | 1 31 | 21 42 | 16 45 | 1 40 | 1 56 | 17 43 | | n.a. |
| S 21 | 22 59 | 14 8 | 4 4 | 19 47 | 0 24 | 22 19 | 1 22 | 22 47 | 0 46 | 3 17 | 1 14 | 21 5 | 1 53 | 3 13 | 0 35 | 14 30 | 1 31 | 21 43 | 16 46 | 1 43 | 1 57 | 17 42 | | n.a. |
| S 22 | 23 6 | 16 52 | 4 41 | 20 15 | 0 31 | 22 1 | 1 19 | 22 56 | 0 47 | 3 21 | 1 14 | 21 6 | 1 53 | 3 14 | 0 35 | 14 31 | 1 31 | 21 43 | 16 46 | 1 47 | 1 59 | 17 41 | | n.a. |
| M23 | 23 13 | 18 31 | 4 59 | 20 42 | 0 37 | 21 43 | 1 16 | 23 4 | 0 48 | 3 24 | 1 14 | 21 6 | 1 53 | 3 14 | 0 35 | 14 31 | 1 31 | 21 43 | 16 47 | 1 52 | 2 0 | 17 41 | | n.a. |
| T 24 | 23 19 | 18 54 | 4 57 | 21 9 | 0 44 | 21 25 | 1 13 | 23 11 | 0 48 | 3 28 | 1 14 | 21 7 | 1 54 | 3 15 | 0 35 | 14 32 | 1 31 | 21 44 | 16 47 | 1 57 | 2 1 | 17 40 | | n.a. |
| W25 | 23 24 | 17 56 | 4 34 | 21 35 | 0 50 | 21 6 | 1 10 | 23 19 | 0 49 | 3 31 | 1 14 | 21 8 | 1 54 | 3 16 | 0 35 | 14 33 | 1 31 | 21 44 | 16 48 | 2 1 | 2 2 | 17 40 | | n.a. |
| T 26 | 23 30 | 15 45 | 3 52 | 22 0 | 0 57 | 20 46 | 1 6 | 23 26 | 0 49 | 3 34 | 1 14 | 21 9 | 1 54 | 3 17 | 0 35 | 14 33 | 1 31 | 21 45 | 16 48 | 2 4 | 2 4 | 17 39 | | n.a. |
| F 27 | 23 34 | 12 35 | 2 56 | 22 24 | 1 3 | 20 26 | 1 2 | 23 33 | 0 50 | 3 38 | 1 14 | 21 10 | 1 54 | 3 17 | 0 35 | 14 34 | 1 31 | 21 45 | 16 49 | 2 6 | 2 5 | 17 38 | | n.a. |
| S 28 | 23 38 | 8 45 | 1 50 | 22 47 | 1 8 | 20 5 | 0 59 | 23 40 | 0 50 | 3 41 | 1 14 | 21 11 | 1 55 | 3 18 | 0 35 | 14 34 | 1 31 | 21 45 | 16 49 | 2 7 | 2 6 | 17 38 | | n.a. |
| S 29 | 23 42 | 4 31 | 0 39 | 23 9 | 1 14 | 19 44 | 0 55 | 23 46 | 0 51 | 3 44 | 1 15 | 21 12 | 1 55 | 3 19 | 0 35 | 14 35 | 1 31 | 21 46 | 16 50 | 2 8 | 2 8 | 17 37 | | n.a. |
| M30 | 23 45 | 0 11 | 0s32 | 23 30 | 1 19 | 19 23 | 0 51 | 23 52 | 0 51 | 3 47 | 1 15 | 21 12 | 1 55 | 3 19 | 0 35 | 14 35 | 1 31 | 21 46 | 16 51 | 2 8 | 2 9 | 17 36 | | n.a. |
| T 31 | 23s48 | 4n 4 | 1s39 | 23s49 | 1s24 | 19s 1 | 0s47 | 23s58 | 0s52 | 3s50 | 1n15 | 21n13 | 1n55 | 3s20 | 0n35 | 14s36 | 1n31 | 21n47 | 16n51 | 2n 8 | 2n10 | 17n36 | | n.a. |

Julian Day Number = 1002580.5, Delta T = 12h49m26s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'29, Lahiri = -31°05'29 Julian Calendar 1 Dec. 1969 BCE == Greg. Calendar 14 Nov. 1969 BCE

The year -1968 astronomical counting style corresponds to year 1969 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## JANUARY 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 35 52 | 25♐33'20 | 26♈45 | 11♐53 | 10♒30 | 16♐19 | 12♎30 | 5°R 5 | 9♎36 | 12♏59 | 14♍ 9 | 24°R42 | 24♍35 | 21♋53 | n.a. | W 1 |
| T 2 | 5 39 49 | 26°33'51 | 9♉23 | 13°30 | 11°36 | 17° 6 | 12°38 | 5♌ 2 | 9°38 | 13° 1 | 14°R 9 | 24♍36 | 24°32 | 22° 0 | n.a. | T 2 |
| F 3 | 5 43 46 | 27°34'21 | 21°50 | 15° 8 | 12°43 | 17°54 | 12°45 | 4°59 | 9°39 | 13° 3 | 14° 9 | 24°28 | 24°29 | 22° 6 | n.a. | F 3 |
| S 4 | 5 47 42 | 28°34'49 | 4♊ 8 | 16°47 | 13°49 | 18°41 | 12°53 | 4°56 | 9°41 | 13° 5 | 14° 9 | 24°16 | 24°26 | 22°13 | n.a. | S 4 |
| S 5 | 5 51 39 | 29°35'14 | 16°18 | 18°27 | 14°55 | 19°28 | 13° 0 | 4°52 | 9°42 | 13° 6 | 14° 9 | 24° 3 | 24°23 | 22°20 | n.a. | S 5 |
| M 6 | 5 55 35 | 0♋35'38 | 28°22 | 20° 8 | 16° 0 | 20°15 | 13° 7 | 4°49 | 9°43 | 13° 8 | 14° 8 | 23°48 | 24°20 | 22°27 | n.a. | M 6 |
| T 7 | 5 59 32 | 1°36'00 | 10♋20 | 21°49 | 17° 5 | 21° 2 | 13°14 | 4°45 | 9°45 | 13°10 | 14° 8 | 23°34 | 24°16 | 22°33 | n.a. | T 7 |
| W 8 | 6 3 28 | 2°36'20 | 22°13 | 23°32 | 18°10 | 21°50 | 13°21 | 4°42 | 9°46 | 13°11 | 14° 8 | 23°21 | 24°13 | 22°40 | n.a. | W 8 |
| T 9 | 6 7 25 | 3°36'38 | 4♌ 4 | 25°16 | 19°15 | 22°37 | 13°28 | 4°38 | 9°47 | 13°13 | 14° 8 | 23°10 | 24°10 | 22°47 | n.a. | T 9 |
| F 10 | 6 11 21 | 4°36'55 | 15°54 | 27° 0 | 20°20 | 23°24 | 13°35 | 4°35 | 9°48 | 13°15 | 14° 8 | 23° 1 | 24° 7 | 22°53 | n.a. | F 10 |
| S 11 | 6 15 18 | 5°37'09 | 27°46 | 28°46 | 21°24 | 24°11 | 13°41 | 4°31 | 9°49 | 13°16 | 14° 7 | 22°56 | 24° 4 | 23° 0 | n.a. | S 11 |
| S 12 | 6 19 15 | 6°37'22 | 9♍44 | 0♋32 | 22°27 | 24°58 | 13°47 | 4°27 | 9°50 | 13°18 | 14° 7 | 22°53 | 24° 0 | 23° 7 | n.a. | S 12 |
| M13 | 6 23 11 | 7°37'33 | 21°52 | 2°20 | 23°31 | 25°46 | 13°54 | 4°23 | 9°51 | 13°19 | 14° 7 | 22°D53 | 23°57 | 23°14 | n.a. | M13 |
| T 14 | 6 27 8 | 8°37'42 | 4♎15 | 4° 8 | 24°34 | 26°33 | 14° 0 | 4°19 | 9°52 | 13°21 | 14° 6 | 22°R53 | 23°54 | 23°20 | n.a. | T 14 |
| W15 | 6 31 4 | 9°37'50 | 16°59 | 5°58 | 25°37 | 27°20 | 14° 5 | 4°15 | 9°53 | 13°22 | 14° 6 | 22°53 | 23°51 | 23°27 | n.a. | W15 |
| T 16 | 6 35 1 | 10°37'55 | 0♏ 8 | 7°48 | 26°39 | 28° 7 | 14°11 | 4°11 | 9°53 | 13°24 | 14° 5 | 22°51 | 23°48 | 23°34 | n.a. | T 16 |
| F 17 | 6 38 57 | 11°37'59 | 13°46 | 9°40 | 27°41 | 28°54 | 14°17 | 4° 7 | 9°54 | 13°25 | 14° 5 | 22°47 | 23°45 | 23°40 | n.a. | F 17 |
| S 18 | 6 42 54 | 12°38'02 | 27°53 | 11°33 | 28°43 | 29°41 | 14°22 | 4° 3 | 9°55 | 13°26 | 14° 4 | 22°41 | 23°41 | 23°47 | n.a. | S 18 |
| S 19 | 6 46 50 | 13°38'02 | 12♐30 | 13°26 | 29°44 | 0♋28 | 14°27 | 3°59 | 9°55 | 13°28 | 14° 4 | 22°33 | 23°38 | 23°54 | n.a. | S 19 |
| M20 | 6 50 47 | 14°38'00 | 27°30 | 15°21 | 0♓45 | 1°15 | 14°32 | 3°55 | 9°56 | 13°29 | 14° 3 | 22°22 | 23°35 | 24° 0 | n.a. | M20 |
| T 21 | 6 54 44 | 15°37'57 | 12♋45 | 17°16 | 1°46 | 2° 3 | 14°37 | 3°51 | 9°57 | 13°30 | 14° 3 | 22°12 | 23°32 | 24° 7 | n.a. | T 21 |
| W22 | 6 58 40 | 16°37'51 | 28° 4 | 19°12 | 2°46 | 2°50 | 14°42 | 3°46 | 9°57 | 13°32 | 14° 2 | 22° 3 | 23°29 | 24°14 | n.a. | W22 |
| T 23 | 7 2 37 | 17°37'43 | 13♒16 | 21° 9 | 3°46 | 3°37 | 14°46 | 3°42 | 9°57 | 13°33 | 14° 1 | 21°56 | 23°26 | 24°21 | n.a. | T 23 |
| F 24 | 7 6 33 | 18°37'33 | 28°10 | 23° 6 | 4°45 | 4°24 | 14°51 | 3°37 | 9°58 | 13°34 | 14° 1 | 21°51 | 23°22 | 24°27 | n.a. | F 24 |
| S 25 | 7 10 30 | 19°37'20 | 12♓41 | 25° 4 | 5°44 | 5°11 | 14°55 | 3°33 | 9°58 | 13°35 | 14° 0 | 21°49 | 23°19 | 24°34 | n.a. | S 25 |
| S 26 | 7 14 26 | 20°37'05 | 26°44 | 27° 2 | 6°42 | 5°58 | 14°59 | 3°29 | 9°58 | 13°37 | 13°59 | 21°D48 | 23°16 | 24°41 | n.a. | S 26 |
| M27 | 7 18 23 | 21°36'48 | 10♈21 | 29° 0 | 7°40 | 6°45 | 15° 3 | 3°24 | 9°58 | 13°38 | 13°58 | 21°49 | 23°13 | 24°47 | n.a. | M27 |
| T 28 | 7 22 19 | 22°36'28 | 23°33 | 0♒58 | 8°37 | 7°32 | 15° 6 | 3°20 | 9°59 | 13°39 | 13°57 | 21°R50 | 23°10 | 24°54 | n.a. | T 28 |
| W29 | 7 26 16 | 23°36'05 | 6♉23 | 2°56 | 9°34 | 8°18 | 15°10 | 3°15 | 9°59 | 13°40 | 13°56 | 21°49 | 23° 6 | 25° 1 | n.a. | W29 |
| T 30 | 7 30 12 | 24°35'40 | 18°55 | 4°52 | 10°30 | 9° 5 | 15°13 | 3°11 | 9°R59 | 13°41 | 13°56 | 21°46 | 23° 3 | 25° 8 | n.a. | T 30 |
| F 31 | 7 34 9 | 25♋35'13 | 1♊14 | 6♒48 | 11♓25 | 9♋52 | 15♎16 | 3♌ 6 | 9♎59 | 13♏42 | 13♍55 | 21♍40 | 23♍ 0 | 25♋14 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 23 s50 | 8n 2 | 2 s40 | 24 s 8 | 1 s29 | 18 s39 | 0 s43 | 24 s 4 | 0 s52 | 3 s53 | 1n15 | 21n14 | 1n55 | 3 s21 | 0n35 | 14 s36 | 1n31 | 21n47 | 16n52 | 2n 9 | 2n11 | 17n35 | | | n.a. |
| T 2 | 23 52 | 11 34 | 3 32 | 24 25 | 1 33 | 18 16 | 0 39 | 24 9 | 0 52 | 3 56 | 1 15 | 21 15 | 1 56 | 3 21 | 0 35 | 14 37 | 1 31 | 21 48 | 16 52 | 2 11 | 2 13 | 17 34 | | | n.a. |
| F 3 | 23 54 | 14 31 | 4 13 | 24 41 | 1 37 | 17 53 | 0 34 | 24 14 | 0 53 | 3 59 | 1 15 | 21 16 | 1 56 | 3 22 | 0 35 | 14 38 | 1 31 | 21 48 | 16 53 | 2 15 | 2 14 | 17 34 | | | n.a. |
| S 4 | 23 55 | 16 47 | 4 42 | 24 56 | 1 41 | 17 29 | 0 30 | 24 19 | 0 53 | 4 2 | 1 15 | 21 17 | 1 56 | 3 22 | 0 35 | 14 38 | 1 31 | 21 49 | 16 53 | 2 19 | 2 15 | 17 33 | | | n.a. |
| S 5 | 23 55 | 18 17 | 4 57 | 25 9 | 1 45 | 17 5 | 0 25 | 24 23 | 0 54 | 4 5 | 1 16 | 21 18 | 1 56 | 3 23 | 0 35 | 14 39 | 1 31 | 21 49 | 16 54 | 2 25 | 2 17 | 17 32 | | | n.a. |
| M 6 | 23 55 | 18 56 | 4 59 | 25 20 | 1 48 | 16 41 | 0 21 | 24 27 | 0 54 | 4 7 | 1 16 | 21 19 | 1 56 | 3 23 | 0 35 | 14 39 | 1 31 | 21 50 | 16 54 | 2 30 | 2 18 | 17 32 | | | n.a. |
| T 7 | 23 54 | 18 44 | 4 47 | 25 30 | 1 51 | 16 17 | 0 16 | 24 31 | 0 55 | 4 10 | 1 16 | 21 20 | 1 57 | 3 24 | 0 35 | 14 39 | 1 31 | 21 50 | 16 55 | 2 36 | 2 19 | 17 31 | | | n.a. |
| W 8 | 23 53 | 17 43 | 4 23 | 25 38 | 1 53 | 15 52 | 0 11 | 24 35 | 0 55 | 4 13 | 1 16 | 21 21 | 1 57 | 3 24 | 0 35 | 14 40 | 1 31 | 21 51 | 16 55 | 2 42 | 2 20 | 17 30 | | | n.a. |
| T 9 | 23 52 | 15 56 | 3 48 | 25 45 | 1 55 | 15 27 | 0 6 | 24 38 | 0 56 | 4 15 | 1 16 | 21 23 | 1 57 | 3 25 | 0 35 | 14 40 | 1 31 | 21 51 | 16 56 | 2 46 | 2 22 | 17 30 | | | n.a. |
| F 10 | 23 50 | 13 29 | 3 2 | 25 50 | 1 57 | 15 1 | 0 1 | 24 41 | 0 56 | 4 18 | 1 16 | 21 24 | 1 57 | 3 25 | 0 35 | 14 41 | 1 31 | 21 52 | 16 56 | 2 49 | 2 23 | 17 29 | | | n.a. |
| S 11 | 23 48 | 10 29 | 2 9 | 25 53 | 1 58 | 14 35 | 0n 4 | 24 44 | 0 57 | 4 20 | 1 17 | 21 25 | 1 57 | 3 25 | 0 35 | 14 41 | 1 31 | 21 53 | 16 57 | 2 52 | 2 24 | 17 28 | | | n.a. |
| S 12 | 23 45 | 7 1 | 1 9 | 25 54 | 1 59 | 14 9 | 0 9 | 24 46 | 0 57 | 4 22 | 1 17 | 21 26 | 1 58 | 3 26 | 0 35 | 14 42 | 1 31 | 21 53 | 16 57 | 2 53 | 2 26 | 17 28 | | | n.a. |
| M13 | 23 42 | 3 12 | 0 5 | 25 53 | 1 59 | 13 43 | 0 15 | 24 48 | 0 57 | 4 25 | 1 17 | 21 27 | 1 58 | 3 26 | 0 35 | 14 42 | 1 31 | 21 54 | 16 58 | 2 53 | 2 27 | 17 27 | | | n.a. |
| T 14 | 23 38 | 0 s49 | 1n 0 | 25 50 | 1 59 | 13 17 | 0 20 | 24 50 | 0 58 | 4 27 | 1 17 | 21 28 | 1 58 | 3 26 | 0 35 | 14 43 | 1 31 | 21 54 | 16 58 | 2 53 | 2 28 | 17 26 | | | n.a. |
| W15 | 23 34 | 4 54 | 2 4 | 25 45 | 1 59 | 12 50 | 0 26 | 24 52 | 0 58 | 4 29 | 1 17 | 21 29 | 1 58 | 3 27 | 0 36 | 14 43 | 1 31 | 21 55 | 16 59 | 2 53 | 2 29 | 17 26 | | | n.a. |
| T 16 | 23 29 | 8 53 | 3 4 | 25 38 | 1 58 | 12 23 | 0 31 | 24 53 | 0 59 | 4 31 | 1 17 | 21 30 | 1 58 | 3 27 | 0 36 | 14 43 | 1 31 | 21 56 | 17 0 | 2 53 | 2 31 | 17 25 | | | n.a. |
| F 17 | 23 24 | 12 32 | 3 56 | 25 29 | 1 56 | 11 57 | 0 37 | 24 54 | 0 59 | 4 33 | 1 17 | 21 32 | 1 58 | 3 27 | 0 36 | 14 44 | 1 31 | 21 56 | 17 0 | 2 55 | 2 32 | 17 24 | | | n.a. |
| S 18 | 23 18 | 15 37 | 4 35 | 25 18 | 1 54 | 11 29 | 0 43 | 24 54 | 0 59 | 4 35 | 1 18 | 21 33 | 1 59 | 3 28 | 0 36 | 14 44 | 1 31 | 21 57 | 17 1 | 2 58 | 2 33 | 17 23 | | | n.a. |
| S 19 | 23 12 | 17 49 | 4 58 | 25 4 | 1 51 | 11 2 | 0 48 | 24 55 | 1 0 | 4 37 | 1 18 | 21 34 | 1 59 | 3 28 | 0 36 | 14 45 | 1 31 | 21 58 | 17 1 | 3 1 | 2 35 | 17 23 | | | n.a. |
| M20 | 23 6 | 18 52 | 5 1 | 24 48 | 1 48 | 10 35 | 0 54 | 24 55 | 1 0 | 4 39 | 1 18 | 21 35 | 1 59 | 3 28 | 0 36 | 14 45 | 1 31 | 21 58 | 17 1 | 3 5 | 2 36 | 17 22 | | | n.a. |
| T 21 | 22 59 | 18 35 | 4 44 | 24 30 | 1 44 | 10 7 | 1 0 | 24 55 | 1 0 | 4 41 | 1 18 | 21 36 | 1 59 | 3 28 | 0 36 | 14 45 | 1 31 | 21 59 | 17 2 | 3 9 | 2 37 | 17 21 | | | n.a. |
| W22 | 22 52 | 16 57 | 4 6 | 24 9 | 1 40 | 9 40 | 1 6 | 24 54 | 1 1 | 4 42 | 1 18 | 21 37 | 1 59 | 3 28 | 0 36 | 14 46 | 1 31 | 22 0 | 17 2 | 3 13 | 2 38 | 17 21 | | | n.a. |
| T 23 | 22 44 | 14 8 | 3 10 | 23 47 | 1 35 | 9 12 | 1 13 | 24 53 | 1 1 | 4 44 | 1 18 | 21 39 | 1 59 | 3 28 | 0 36 | 14 46 | 1 32 | 22 0 | 17 3 | 3 16 | 2 40 | 17 20 | | | n.a. |
| F 24 | 22 36 | 10 26 | 2 3 | 23 21 | 1 29 | 8 44 | 1 19 | 24 52 | 1 1 | 4 45 | 1 19 | 21 40 | 1 59 | 3 29 | 0 36 | 14 46 | 1 32 | 22 1 | 17 3 | 3 18 | 2 41 | 17 19 | | | n.a. |
| S 25 | 22 27 | 6 11 | 0 49 | 22 54 | 1 23 | 8 17 | 1 25 | 24 51 | 1 2 | 4 47 | 1 19 | 21 41 | 2 0 | 3 29 | 0 36 | 14 47 | 1 32 | 22 2 | 17 4 | 3 19 | 2 42 | 17 18 | | | n.a. |
| S 26 | 22 18 | 1 43 | 0 s26 | 22 24 | 1 16 | 7 49 | 1 32 | 24 49 | 1 2 | 4 48 | 1 19 | 21 42 | 2 0 | 3 29 | 0 36 | 14 47 | 1 32 | 22 3 | 17 4 | 3 19 | 2 43 | 17 18 | | | n.a. |
| M27 | 22 9 | 2n41 | 1 37 | 21 53 | 1 8 | 7 21 | 1 38 | 24 47 | 1 2 | 4 50 | 1 19 | 21 43 | 2 0 | 3 29 | 0 36 | 14 47 | 1 32 | 22 3 | 17 5 | 3 18 | 2 45 | 17 17 | | | n.a. |
| T 28 | 21 59 | 6 50 | 2 41 | 21 19 | 1 0 | 6 53 | 1 45 | 24 45 | 1 3 | 4 51 | 1 19 | 21 45 | 2 0 | 3 29 | 0 36 | 14 48 | 1 32 | 22 4 | 17 5 | 3 18 | 2 46 | 17 16 | | | n.a. |
| W29 | 21 49 | 10 32 | 3 35 | 20 43 | 0 51 | 6 26 | 1 51 | 24 42 | 1 3 | 4 52 | 1 20 | 21 46 | 2 0 | 3 29 | 0 36 | 14 48 | 1 32 | 22 5 | 17 6 | 3 19 | 2 47 | 17 15 | | | n.a. |
| T 30 | 21 38 | 13 41 | 4 17 | 20 6 | 0 41 | 5 58 | 1 58 | 24 39 | 1 3 | 4 53 | 1 20 | 21 47 | 2 0 | 3 29 | 0 36 | 14 48 | 1 32 | 22 6 | 17 6 | 3 20 | 2 49 | 17 15 | | | n.a. |
| F 31 | 21 s27 | 16n 9 | 4 s46 | 19 s26 | 0 s31 | 5 s30 | 2n 5 | 24 s36 | 1 s 4 | 4 s54 | 1n20 | 21n48 | 2n 0 | 3 s29 | 0n36 | 14 s49 | 1n32 | 22n 6 | 17n 6 | 3n22 | 2n50 | 17n14 | | | n.a. |

Julian Day Number = 1002611.5, Delta T = 12h49m23s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'25, Lahiri = -31°05'24 Julian Calendar 1 Jan. 1968 BCE == Greg. Calendar 15 Dec. 1969 BCE

The year -1967 astronomical counting style corresponds to year 1968 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## FEBRUARY 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 38 6 | 26♉34'43 | 13♊22 | 8♒43 | 12♓20 | 10♉39 | 15♎19 | 3°R 1 | 9°R59 | 13♏43 | 13°R54 | 21°R33 | 22♍57 | 25♋21 | n.a. | S 1 |
| S 2 | 7 42 2 | 27°34'10 | 25°23 | 10°35 | 13°15 | 11°26 | 15°22 | 2♌57 | 9♎58 | 13°44 | 13♍53 | 21♍23 | 22°54 | 25°28 | n.a. | S 2 |
| M 3 | 7 45 59 | 28°33'36 | 7♋18 | 12°26 | 14° 8 | 12°13 | 15°25 | 2°52 | 9°58 | 13°45 | 13°52 | 21°13 | 22°51 | 25°34 | n.a. | M 3 |
| T 4 | 7 49 55 | 29°32'59 | 19°11 | 14°13 | 15° 2 | 12°59 | 15°27 | 2°47 | 9°58 | 13°46 | 13°51 | 21° 3 | 22°47 | 25°41 | n.a. | T 4 |
| W 5 | 7 53 52 | 0♒32'20 | 1♌ 2 | 15°58 | 15°54 | 13°46 | 15°29 | 2°43 | 9°58 | 13°47 | 13°49 | 20°53 | 22°44 | 25°48 | n.a. | W 5 |
| T 6 | 7 57 48 | 1°31'38 | 12°53 | 17°39 | 16°46 | 14°33 | 15°31 | 2°38 | 9°57 | 13°47 | 13°48 | 20°46 | 22°41 | 25°54 | n.a. | T 6 |
| F 7 | 8 1 45 | 2°30'55 | 24°46 | 19°16 | 17°36 | 15°20 | 15°33 | 2°34 | 9°57 | 13°48 | 13°47 | 20°40 | 22°38 | 26° 1 | n.a. | F 7 |
| S 8 | 8 5 41 | 3°30'09 | 6♍43 | 20°49 | 18°27 | 16° 6 | 15°35 | 2°29 | 9°56 | 13°49 | 13°46 | 20°37 | 22°35 | 26° 8 | n.a. | S 8 |
| S 9 | 8 9 38 | 4°29'21 | 18°47 | 22°17 | 19°16 | 16°53 | 15°36 | 2°24 | 9°56 | 13°50 | 13°45 | 20°D36 | 22°31 | 26°15 | n.a. | S 9 |
| M10 | 8 13 34 | 5°28'31 | 1♎ 0 | 23°39 | 20° 4 | 17°40 | 15°38 | 2°20 | 9°55 | 13°50 | 13°44 | 20°36 | 22°28 | 26°21 | n.a. | M10 |
| T 11 | 8 17 31 | 6°27'39 | 13°27 | 24°56 | 20°52 | 18°26 | 15°39 | 2°15 | 9°55 | 13°51 | 13°43 | 20°37 | 22°25 | 26°28 | n.a. | T 11 |
| W12 | 8 21 28 | 7°26'45 | 26°11 | 26° 7 | 21°39 | 19°13 | 15°40 | 2°10 | 9°54 | 13°52 | 13°41 | 20°39 | 22°22 | 26°35 | n.a. | W12 |
| T 13 | 8 25 24 | 8°25'49 | 9♏17 | 27°12 | 22°25 | 19°59 | 15°41 | 2° 6 | 9°53 | 13°52 | 13°40 | 20°R39 | 22°19 | 26°41 | n.a. | T 13 |
| F 14 | 8 29 21 | 9°24'52 | 22°47 | 28°11 | 23°10 | 20°46 | 15°41 | 2° 1 | 9°53 | 13°53 | 13°39 | 20°38 | 22°16 | 26°48 | n.a. | F 14 |
| S 15 | 8 33 17 | 10°23'52 | 6♐44 | 29° 3 | 23°54 | 21°32 | 15°42 | 1°57 | 9°52 | 13°53 | 13°37 | 20°36 | 22°12 | 26°55 | n.a. | S 15 |
| S 16 | 8 37 14 | 11°22'51 | 21° 8 | 29°48 | 24°36 | 22°19 | 15°42 | 1°52 | 9°51 | 13°54 | 13°36 | 20°32 | 22° 9 | 27° 1 | n.a. | S 16 |
| M17 | 8 41 10 | 12°21'47 | 5♑55 | 0♓26 | 25°18 | 23° 5 | 15°R42 | 1°47 | 9°50 | 13°54 | 13°35 | 20°26 | 22° 6 | 27° 8 | n.a. | M17 |
| T 18 | 8 45 7 | 13°20'42 | 21° 0 | 0°57 | 25°59 | 23°51 | 15°42 | 1°43 | 9°49 | 13°55 | 13°33 | 20°21 | 22° 3 | 27°15 | n.a. | T 18 |
| W19 | 8 49 3 | 14°19'35 | 6♒13 | 1°22 | 26°39 | 24°38 | 15°41 | 1°38 | 9°48 | 13°55 | 13°32 | 20°16 | 22° 0 | 27°22 | n.a. | W19 |
| T 20 | 8 53 0 | 15°18'25 | 21°24 | 1°39 | 27°17 | 25°24 | 15°41 | 1°34 | 9°47 | 13°56 | 13°31 | 20°12 | 21°57 | 27°28 | n.a. | T 20 |
| F 21 | 8 56 56 | 16°17'13 | 6♓24 | 1°49 | 27°55 | 26°10 | 15°40 | 1°30 | 9°46 | 13°56 | 13°29 | 20° 9 | 21°53 | 27°35 | n.a. | F 21 |
| S 22 | 9 0 53 | 17°15'59 | 21° 3 | 1°R52 | 28°31 | 26°57 | 15°39 | 1°25 | 9°45 | 13°56 | 13°28 | 20°D 9 | 21°50 | 27°42 | n.a. | S 22 |
| S 23 | 9 4 50 | 18°14'43 | 5♈17 | 1°49 | 29° 5 | 27°43 | 15°38 | 1°21 | 9°44 | 13°56 | 13°26 | 20° 9 | 21°47 | 27°48 | n.a. | S 23 |
| M24 | 9 8 46 | 19°13'24 | 19° 4 | 1°39 | 29°38 | 28°29 | 15°37 | 1°16 | 9°42 | 13°57 | 13°25 | 20°11 | 21°44 | 27°55 | n.a. | M24 |
| T 25 | 9 12 43 | 20°12'02 | 2♉24 | 1°24 | 0♈10 | 29°15 | 15°35 | 1°12 | 9°41 | 13°57 | 13°23 | 20°12 | 21°41 | 28° 2 | n.a. | T 25 |
| W26 | 9 16 39 | 21°10'39 | 15°20 | 1° 2 | 0°41 | 0♒ 1 | 15°33 | 1° 8 | 9°40 | 13°57 | 13°22 | 20°R13 | 21°37 | 28° 8 | n.a. | W26 |
| T 27 | 9 20 36 | 22° 9'13 | 27°55 | 0°36 | 1° 9 | 0°47 | 15°32 | 1° 4 | 9°38 | 13°57 | 13°20 | 20°13 | 21°34 | 28°15 | n.a. | T 27 |
| F 28 | 9 24 32 | 23♒ 7'44 | 10♊13 | 0♓ 5 | 1♈36 | 1♒33 | 15♎30 | 1♌ 0 | 9♎37 | 13♏57 | 13♍19 | 20♍12 | 21♍31 | 28♋22 | n.a. | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s16 | 17n52 | 5s 2 | 18s46 | 0s20 | 5s 3 | 2n11 | 24s33 | 1s 4 | 4s55 | 1n20 | 21n49 | 2n 0 | 3s29 | 0n36 | 14s49 | 1n32 | 22n 7 | 17n 7 | 3n25 | 2n51 | 17n13 | | n.a. |
| S 2 | 21 4 | 18 46 | 5 5 | 18 4 | 0 9 | 4 35 | 2 18 | 24 29 | 1 4 | 4 56 | 1 20 | 21 51 | 2 1 | 3 29 | 0 36 | 14 49 | 1 32 | 22 8 | 17 7 | 3 29 | 2 52 | 17 12 | | n.a. |
| M 3 | 20 52 | 18 50 | 4 54 | 17 22 | 0n 3 | 4 8 | 2 25 | 24 25 | 1 5 | 4 57 | 1 20 | 21 52 | 2 1 | 3 29 | 0 36 | 14 49 | 1 32 | 22 9 | 17 8 | 3 33 | 2 54 | 17 12 | | n.a. |
| T 4 | 20 39 | 18 4 | 4 30 | 16 39 | 0 15 | 3 41 | 2 32 | 24 21 | 1 5 | 4 58 | 1 21 | 21 53 | 2 1 | 3 28 | 0 36 | 14 49 | 1 32 | 22 9 | 17 8 | 3 37 | 2 55 | 17 11 | | n.a. |
| W 5 | 20 26 | 16 31 | 3 54 | 15 55 | 0 28 | 3 14 | 2 39 | 24 16 | 1 5 | 4 59 | 1 21 | 21 54 | 2 1 | 3 28 | 0 36 | 14 50 | 1 32 | 22 10 | 17 9 | 3 41 | 2 56 | 17 10 | | n.a. |
| T 6 | 20 13 | 14 16 | 3 9 | 15 12 | 0 41 | 2 47 | 2 46 | 24 11 | 1 5 | 4 59 | 1 21 | 21 55 | 2 1 | 3 28 | 0 36 | 14 50 | 1 32 | 22 11 | 17 9 | 3 44 | 2 58 | 17 9 | | n.a. |
| F 7 | 19 59 | 11 25 | 2 15 | 14 29 | 0 54 | 2 20 | 2 53 | 24 6 | 1 6 | 5 0 | 1 21 | 21 56 | 2 1 | 3 28 | 0 36 | 14 50 | 1 32 | 22 12 | 17 9 | 3 46 | 2 59 | 17 9 | | n.a. |
| S 8 | 19 46 | 8 4 | 1 14 | 13 47 | 1 7 | 1 54 | 3 1 | 24 1 | 1 6 | 5 0 | 1 21 | 21 58 | 2 1 | 3 28 | 0 36 | 14 50 | 1 32 | 22 13 | 17 10 | 3 48 | 3 0 | 17 8 | | n.a. |
| S 9 | 19 31 | 4 22 | 0 10 | 13 6 | 1 21 | 1 28 | 3 8 | 23 55 | 1 6 | 5 1 | 1 21 | 21 59 | 2 1 | 3 27 | 0 36 | 14 50 | 1 32 | 22 13 | 17 10 | 3 48 | 3 1 | 17 7 | | n.a. |
| M10 | 19 17 | 0 27 | 0n56 | 12 26 | 1 34 | 1 2 | 3 15 | 23 49 | 1 6 | 5 1 | 1 22 | 22 0 | 2 1 | 3 27 | 0 36 | 14 51 | 1 32 | 22 14 | 17 10 | 3 48 | 3 3 | 17 6 | | n.a. |
| T 11 | 19 2 | 3s34 | 2 1 | 11 48 | 1 47 | 0 36 | 3 22 | 23 43 | 1 7 | 5 2 | 1 22 | 22 1 | 2 1 | 3 27 | 0 36 | 14 51 | 1 32 | 22 15 | 17 11 | 3 47 | 3 4 | 17 6 | | n.a. |
| W12 | 18 47 | 7 30 | 3 1 | 11 11 | 2 0 | 0 11 | 3 30 | 23 37 | 1 7 | 5 2 | 1 22 | 22 2 | 2 1 | 3 27 | 0 36 | 14 51 | 1 32 | 22 16 | 17 11 | 3 47 | 3 5 | 17 5 | | n.a. |
| T 13 | 18 31 | 11 11 | 3 53 | 10 37 | 2 12 | 0n14 | 3 37 | 23 30 | 1 7 | 5 2 | 1 22 | 22 3 | 2 1 | 3 26 | 0 36 | 14 51 | 1 32 | 22 17 | 17 11 | 3 47 | 3 7 | 17 4 | | n.a. |
| F 14 | 18 15 | 14 25 | 4 35 | 10 6 | 2 24 | 0 39 | 3 44 | 23 23 | 1 7 | 5 2 | 1 22 | 22 4 | 2 1 | 3 26 | 0 36 | 14 51 | 1 32 | 22 17 | 17 12 | 3 47 | 3 8 | 17 3 | | n.a. |
| S 15 | 17 59 | 16 55 | 5 2 | 9 37 | 2 36 | 1 4 | 3 52 | 23 16 | 1 7 | 5 2 | 1 22 | 22 6 | 2 1 | 3 26 | 0 36 | 14 51 | 1 32 | 22 18 | 17 12 | 3 48 | 3 9 | 17 2 | | n.a. |
| S 16 | 17 43 | 18 27 | 5 11 | 9 11 | 2 46 | 1 28 | 3 59 | 23 8 | 1 8 | 5 2 | 1 23 | 22 7 | 2 1 | 3 25 | 0 36 | 14 51 | 1 32 | 22 19 | 17 12 | 3 50 | 3 10 | 17 2 | | n.a. |
| M17 | 17 26 | 18 48 | 4 59 | 8 48 | 2 56 | 1 51 | 4 6 | 23 1 | 1 8 | 5 2 | 1 23 | 22 8 | 2 1 | 3 25 | 0 36 | 14 52 | 1 33 | 22 20 | 17 13 | 3 52 | 3 12 | 17 1 | | n.a. |
| T 18 | 17 9 | 17 50 | 4 28 | 8 28 | 3 5 | 2 14 | 4 14 | 22 53 | 1 8 | 5 2 | 1 23 | 22 9 | 2 2 | 3 25 | 0 36 | 14 52 | 1 33 | 22 21 | 17 13 | 3 54 | 3 13 | 17 0 | | n.a. |
| W19 | 16 52 | 15 36 | 3 37 | 8 12 | 3 14 | 2 37 | 4 21 | 22 45 | 1 8 | 5 1 | 1 23 | 22 10 | 2 2 | 3 24 | 0 36 | 14 52 | 1 33 | 22 21 | 17 13 | 3 56 | 3 14 | 16 59 | | n.a. |
| T 20 | 16 34 | 12 17 | 2 30 | 7 59 | 3 21 | 2 59 | 4 28 | 22 36 | 1 8 | 5 1 | 1 23 | 22 11 | 2 2 | 3 24 | 0 36 | 14 52 | 1 33 | 22 22 | 17 13 | 3 58 | 3 15 | 16 58 | | n.a. |
| F 21 | 16 16 | 8 12 | 1 14 | 7 50 | 3 27 | 3 21 | 4 36 | 22 27 | 1 8 | 5 0 | 1 23 | 22 12 | 2 2 | 3 23 | 0 36 | 14 52 | 1 33 | 22 23 | 17 14 | 3 58 | 3 17 | 16 58 | | n.a. |
| S 22 | 15 58 | 3 42 | 0s 5 | 7 44 | 3 31 | 3 42 | 4 43 | 22 19 | 1 9 | 5 0 | 1 24 | 22 13 | 2 2 | 3 23 | 0 36 | 14 52 | 1 33 | 22 24 | 17 14 | 3 59 | 3 18 | 16 57 | | n.a. |
| S 23 | 15 40 | 0n53 | 1 22 | 7 42 | 3 34 | 4 3 | 4 50 | 22 9 | 1 9 | 4 59 | 1 24 | 22 14 | 2 2 | 3 22 | 0 36 | 14 52 | 1 33 | 22 25 | 17 14 | 3 58 | 3 19 | 16 56 | | n.a. |
| M24 | 15 21 | 5 17 | 2 32 | 7 44 | 3 36 | 4 23 | 4 58 | 22 0 | 1 9 | 4 59 | 1 24 | 22 15 | 2 2 | 3 22 | 0 36 | 14 52 | 1 33 | 22 26 | 17 14 | 3 58 | 3 21 | 16 55 | | n.a. |
| T 25 | 15 2 | 9 15 | 3 31 | 7 50 | 3 37 | 4 43 | 5 5 | 21 50 | 1 9 | 4 58 | 1 24 | 22 16 | 2 2 | 3 21 | 0 36 | 14 52 | 1 33 | 22 26 | 17 15 | 3 57 | 3 22 | 16 54 | | n.a. |
| W26 | 14 43 | 12 39 | 4 18 | 7 58 | 3 35 | 5 1 | 5 12 | 21 41 | 1 9 | 4 57 | 1 24 | 22 17 | 2 2 | 3 21 | 0 37 | 14 52 | 1 33 | 22 27 | 17 15 | 3 57 | 3 23 | 16 54 | | n.a. |
| T 27 | 14 24 | 15 23 | 4 50 | 8 10 | 3 33 | 5 20 | 5 19 | 21 31 | 1 9 | 4 56 | 1 24 | 22 18 | 2 2 | 3 20 | 0 37 | 14 52 | 1 33 | 22 28 | 17 15 | 3 57 | 3 24 | 16 53 | | n.a. |
| F 28 | 14s 5 | 17n20 | 5s 9 | 8s25 | 3n28 | 5n37 | 5n26 | 21s20 | 1s 9 | 4s55 | 1n24 | 22n19 | 2n 2 | 3s20 | 0n37 | 14s52 | 1n33 | 22n29 | 17n15 | 3n57 | 3n26 | 16n52 | | n.a. |

Julian Day Number = 1002642.5, Delta T = 12h49m21s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'21, Lahiri = -31°05'20 Julian Calendar 1 Feb. 1968 BCE == Greg. Calendar 15 Jan. 1968 BCE


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## MARCH 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 28 29 | 24♒ 6'14 | 22♊18 | 29°R30 | 2♈ 2 | 2♒19 | 15°R27 | 0°R55 | 9°R36 | 13♏57 | 13°R17 | 20°R10 | 21♍28 | 28♋28 | n.a. | S 1 |
| S 2 | 9 32 25 | 25° 4'41 | 4♋15 | 28♒52 | 2°26 | 3° 5 | 15♎25 | 0♌51 | 9♎34 | 13°57 | 13♍15 | 20♍ 6 | 21°25 | 28°35 | n.a. | S 2 |
| M 3 | 9 36 22 | 26° 3'06 | 16° 7 | 28°11 | 2°48 | 3°51 | 15°22 | 0°47 | 9°33 | 13°R57 | 13°14 | 20° 2 | 21°22 | 28°42 | n.a. | M 3 |
| T 4 | 9 40 18 | 27° 1'28 | 27°57 | 27°29 | 3° 8 | 4°37 | 15°20 | 0°44 | 9°31 | 13°57 | 13°12 | 19°58 | 21°18 | 28°49 | n.a. | T 4 |
| W 5 | 9 44 15 | 27°59'48 | 9♌49 | 26°46 | 3°26 | 5°22 | 15°17 | 0°40 | 9°29 | 13°57 | 13°11 | 19°55 | 21°15 | 28°55 | n.a. | W 5 |
| T 6 | 9 48 12 | 28°58'07 | 21°43 | 26° 2 | 3°42 | 6° 8 | 15°13 | 0°36 | 9°28 | 13°57 | 13° 9 | 19°52 | 21°12 | 29° 2 | n.a. | T 6 |
| F 7 | 9 52 8 | 29°56'23 | 3♍43 | 25°20 | 3°56 | 6°54 | 15°10 | 0°32 | 9°26 | 13°57 | 13° 7 | 19°50 | 21° 9 | 29° 9 | n.a. | F 7 |
| S 8 | 9 56 5 | 0♓54'37 | 15°49 | 24°39 | 4° 8 | 7°40 | 15° 7 | 0°28 | 9°24 | 13°57 | 13° 6 | 19°D49 | 21° 6 | 29°15 | n.a. | S 8 |
| S 9 | 10 0 1 | 1°52'50 | 28° 5 | 24° 0 | 4°18 | 8°25 | 15° 3 | 0°25 | 9°23 | 13°57 | 13° 4 | 19°49 | 21° 3 | 29°22 | n.a. | S 9 |
| M10 | 10 3 58 | 2°51'00 | 10♎31 | 23°24 | 4°26 | 9°11 | 14°59 | 0°21 | 9°21 | 13°57 | 13° 2 | 19°50 | 20°59 | 29°29 | n.a. | M10 |
| T 11 | 10 7 54 | 3°49'09 | 23°10 | 22°51 | 4°32 | 9°56 | 14°55 | 0°18 | 9°19 | 13°56 | 13° 1 | 19°52 | 20°56 | 29°35 | n.a. | T 11 |
| W12 | 10 11 51 | 4°47'16 | 6♏ 4 | 22°22 | 4°35 | 10°42 | 14°51 | 0°14 | 9°17 | 13°56 | 12°59 | 19°53 | 20°53 | 29°42 | n.a. | W12 |
| T 13 | 10 15 47 | 5°45'21 | 19°15 | 21°57 | 4°R36 | 11°27 | 14°47 | 0°11 | 9°15 | 13°56 | 12°57 | 19°54 | 20°50 | 29°49 | n.a. | T 13 |
| F 14 | 10 19 44 | 6°43'25 | 2♐45 | 21°37 | 4°34 | 12°13 | 14°42 | 0° 8 | 9°13 | 13°55 | 12°56 | 19°R54 | 20°47 | 29°56 | n.a. | F 14 |
| S 15 | 10 23 40 | 7°41'28 | 16°36 | 21°21 | 4°30 | 12°58 | 14°38 | 0° 4 | 9°11 | 13°55 | 12°54 | 19°54 | 20°43 | 0♌ 2 | n.a. | S 15 |
| S 16 | 10 27 37 | 8°39'29 | 0♑47 | 21°10 | 4°24 | 13°43 | 14°33 | 0° 1 | 9° 9 | 13°55 | 12°52 | 19°54 | 20°40 | 0° 9 | n.a. | S 16 |
| M17 | 10 31 34 | 9°37'28 | 15°16 | 21° 4 | 4°15 | 14°28 | 14°28 | 29♋58 | 9° 7 | 13°54 | 12°51 | 19°53 | 20°37 | 0°16 | n.a. | M17 |
| T 18 | 10 35 30 | 10°35'26 | 29°59 | 21°D 2 | 4° 4 | 15°14 | 14°23 | 29°55 | 9° 5 | 13°54 | 12°49 | 19°51 | 20°34 | 0°22 | n.a. | T 18 |
| W19 | 10 39 27 | 11°33'23 | 14♒53 | 21° 6 | 3°50 | 15°59 | 14°18 | 29°52 | 9° 3 | 13°53 | 12°47 | 19°51 | 20°31 | 0°29 | n.a. | W19 |
| T 20 | 10 43 23 | 12°31'17 | 29°47 | 21°14 | 3°34 | 16°44 | 14°13 | 29°50 | 9° 1 | 13°53 | 12°46 | 19°50 | 20°28 | 0°36 | n.a. | T 20 |
| F 21 | 10 47 20 | 13°29'10 | 14♓34 | 21°27 | 3°16 | 17°29 | 14° 7 | 29°47 | 8°59 | 13°52 | 12°44 | 19°D50 | 20°24 | 0°42 | n.a. | F 21 |
| S 22 | 10 51 16 | 14°27'02 | 29° 8 | 21°44 | 2°55 | 18°14 | 14° 1 | 29°44 | 8°57 | 13°51 | 12°42 | 19°50 | 20°21 | 0°49 | n.a. | S 22 |
| S 23 | 10 55 13 | 15°24'51 | 13♈22 | 22° 6 | 2°32 | 18°59 | 13°56 | 29°42 | 8°55 | 13°51 | 12°41 | 19°50 | 20°18 | 0°56 | n.a. | S 23 |
| M24 | 10 59 9 | 16°22'39 | 27°12 | 22°33 | 2° 7 | 19°44 | 13°50 | 29°39 | 8°52 | 13°50 | 12°39 | 19°50 | 20°15 | 1° 2 | n.a. | M24 |
| T 25 | 11 3 6 | 17°20'25 | 10♉38 | 23° 3 | 1°40 | 20°29 | 13°44 | 29°37 | 8°50 | 13°49 | 12°37 | 19°51 | 20°12 | 1° 9 | n.a. | T 25 |
| W26 | 11 7 2 | 18°18'09 | 23°39 | 23°38 | 1°11 | 21°13 | 13°38 | 29°34 | 8°48 | 13°49 | 12°36 | 19°51 | 20° 8 | 1°16 | n.a. | W26 |
| T 27 | 11 10 59 | 19°15'51 | 6♊18 | 24°16 | 0°40 | 21°58 | 13°31 | 29°32 | 8°46 | 13°48 | 12°34 | 19°51 | 20° 5 | 1°23 | n.a. | T 27 |
| F 28 | 11 14 56 | 20°13'32 | 18°39 | 24°59 | 0° 7 | 22°43 | 13°25 | 29°30 | 8°43 | 13°47 | 12°32 | 19°51 | 20° 2 | 1°29 | n.a. | F 28 |
| S 29 | 11 18 52 | 21°11'11 | 0♋46 | 25°45 | 29♓33 | 23°28 | 13°19 | 29°28 | 8°41 | 13°46 | 12°31 | 19°51 | 19°59 | 1°36 | n.a. | S 29 |
| S 30 | 11 22 49 | 22° 8'48 | 12°43 | 26°34 | 28°58 | 24°12 | 13°12 | 29°26 | 8°39 | 13°46 | 12°29 | 19°51 | 19°56 | 1°43 | n.a. | S 30 |
| M31 | 11 26 45 | 23♓ 6'23 | 24♋34 | 27♒27 | 28♓22 | 24♒57 | 13♎ 5 | 29♋24 | 8♎36 | 13♏45 | 12♍27 | 19♍51 | 19♍53 | 1♌49 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 13s45 | 18n28 | 5s14 | 8s43 | 3n22 | 5n53 | 5n33 | 21s10 | 1s10 | 4s54 | 1n25 | 22n20 | 2n 2 | 3s19 | 0n37 | 14s52 | 1n33 | 22n29 | 17n15 | 3n58 | 3n27 | 16n51 | | n.a. |
| S 2 | 13 25 | 18 47 | 5 4 | 9 4 | 3 15 | 6 9 | 5 39 | 20 59 | 1 10 | 4 53 | 1 25 | 22 21 | 2 2 | 3 18 | 0 37 | 14 52 | 1 33 | 22 30 | 17 16 | 4 0 | 3 28 | 16 50 | | n.a. |
| M 3 | 13 5 | 18 15 | 4 42 | 9 26 | 3 6 | 6 24 | 5 46 | 20 48 | 1 10 | 4 52 | 1 25 | 22 21 | 2 2 | 3 18 | 0 37 | 14 52 | 1 33 | 22 31 | 17 16 | 4 1 | 3 30 | 16 49 | | n.a. |
| T 4 | 12 45 | 16 56 | 4 8 | 9 51 | 2 56 | 6 38 | 5 53 | 20 37 | 1 10 | 4 51 | 1 25 | 22 22 | 2 2 | 3 17 | 0 37 | 14 52 | 1 33 | 22 32 | 17 16 | 4 3 | 3 31 | 16 49 | | n.a. |
| W 5 | 12 24 | 14 53 | 3 23 | 10 17 | 2 44 | 6 51 | 5 59 | 20 26 | 1 10 | 4 50 | 1 25 | 22 23 | 2 1 | 3 16 | 0 37 | 14 52 | 1 33 | 22 33 | 17 16 | 4 4 | 3 32 | 16 48 | | n.a. |
| T 6 | 12 4 | 12 12 | 2 29 | 10 43 | 2 31 | 7 4 | 6 5 | 20 14 | 1 10 | 4 48 | 1 25 | 22 24 | 2 1 | 3 16 | 0 37 | 14 52 | 1 33 | 22 33 | 17 16 | 4 5 | 3 33 | 16 47 | | n.a. |
| F 7 | 11 43 | 8 59 | 1 28 | 11 11 | 2 18 | 7 15 | 6 11 | 20 3 | 1 10 | 4 47 | 1 25 | 22 25 | 2 1 | 3 15 | 0 37 | 14 52 | 1 33 | 22 34 | 17 16 | 4 6 | 3 35 | 16 46 | | n.a. |
| S 8 | 11 22 | 5 22 | 0 22 | 11 38 | 2 3 | 7 25 | 6 17 | 19 51 | 1 10 | 4 45 | 1 26 | 22 26 | 2 1 | 3 14 | 0 37 | 14 52 | 1 33 | 22 35 | 17 16 | 4 7 | 3 36 | 16 45 | | n.a. |
| S 9 | 11 1 | 1 28 | 0n46 | 12 6 | 1 48 | 7 34 | 6 22 | 19 39 | 1 10 | 4 44 | 1 26 | 22 26 | 2 1 | 3 14 | 0 37 | 14 52 | 1 33 | 22 36 | 17 16 | 4 6 | 3 37 | 16 44 | | n.a. |
| M10 | 10 40 | 2s32 | 1 52 | 12 33 | 1 32 | 7 42 | 6 27 | 19 27 | 1 10 | 4 42 | 1 26 | 22 27 | 2 1 | 3 13 | 0 37 | 14 51 | 1 33 | 22 36 | 17 17 | 4 6 | 3 38 | 16 44 | | n.a. |
| T 11 | 10 18 | 6 29 | 2 54 | 12 59 | 1 16 | 7 49 | 6 32 | 19 14 | 1 10 | 4 41 | 1 26 | 22 28 | 2 1 | 3 12 | 0 37 | 14 51 | 1 33 | 22 37 | 17 17 | 4 6 | 3 40 | 16 43 | | n.a. |
| W12 | 9 57 | 10 13 | 3 49 | 13 23 | 1 0 | 7 54 | 6 37 | 19 2 | 1 10 | 4 39 | 1 26 | 22 28 | 2 1 | 3 11 | 0 37 | 14 51 | 1 34 | 22 38 | 17 17 | 4 5 | 3 41 | 16 42 | | n.a. |
| T 13 | 9 35 | 13 31 | 4 33 | 13 47 | 0 44 | 7 58 | 6 41 | 18 49 | 1 10 | 4 37 | 1 26 | 22 29 | 2 1 | 3 11 | 0 37 | 14 51 | 1 34 | 22 39 | 17 17 | 4 5 | 3 42 | 16 41 | | n.a. |
| F 14 | 9 13 | 16 11 | 5 3 | 14 9 | 0 28 | 8 1 | 6 45 | 18 36 | 1 10 | 4 35 | 1 26 | 22 30 | 2 1 | 3 10 | 0 37 | 14 51 | 1 34 | 22 39 | 17 17 | 4 5 | 3 44 | 16 40 | | n.a. |
| S 15 | 8 51 | 17 59 | 5 16 | 14 29 | 0 12 | 8 3 | 6 49 | 18 23 | 1 10 | 4 33 | 1 26 | 22 30 | 2 1 | 3 9 | 0 37 | 14 51 | 1 34 | 22 40 | 17 17 | 4 5 | 3 45 | 16 39 | | n.a. |
| S 16 | 8 29 | 18 44 | 5 11 | 14 47 | 0s 3 | 8 3 | 6 52 | 18 9 | 1 10 | 4 31 | 1 26 | 22 31 | 2 1 | 3 8 | 0 37 | 14 51 | 1 34 | 22 41 | 17 17 | 4 5 | 3 46 | 16 38 | | n.a. |
| M17 | 8 7 | 18 17 | 4 46 | 15 3 | 0 18 | 8 2 | 6 54 | 17 56 | 1 10 | 4 29 | 1 26 | 22 32 | 2 1 | 3 7 | 0 37 | 14 50 | 1 34 | 22 41 | 17 17 | 4 5 | 3 47 | 16 38 | | n.a. |
| T 18 | 7 45 | 16 36 | 4 3 | 15 17 | 0 33 | 7 59 | 6 56 | 17 42 | 1 10 | 4 27 | 1 27 | 22 32 | 2 1 | 3 7 | 0 37 | 14 50 | 1 34 | 22 42 | 17 17 | 4 6 | 3 49 | 16 37 | | n.a. |
| W19 | 7 22 | 13 48 | 3 2 | 15 29 | 0 47 | 7 55 | 6 58 | 17 29 | 1 10 | 4 25 | 1 27 | 22 33 | 2 1 | 3 6 | 0 37 | 14 50 | 1 34 | 22 43 | 17 17 | 4 6 | 3 50 | 16 36 | | n.a. |
| T 20 | 7 0 | 10 5 | 1 49 | 15 39 | 1 0 | 7 50 | 6 59 | 17 15 | 1 10 | 4 23 | 1 27 | 22 33 | 2 1 | 3 5 | 0 37 | 14 50 | 1 34 | 22 43 | 17 17 | 4 6 | 3 51 | 16 35 | | n.a. |
| F 21 | 6 37 | 5 45 | 0 29 | 15 46 | 1 12 | 7 42 | 6 59 | 17 1 | 1 10 | 4 21 | 1 27 | 22 34 | 2 1 | 3 4 | 0 37 | 14 50 | 1 34 | 22 44 | 17 17 | 4 6 | 3 52 | 16 34 | | n.a. |
| S 22 | 6 14 | 1 8 | 0s51 | 15 52 | 1 24 | 7 34 | 6 59 | 16 47 | 1 10 | 4 19 | 1 27 | 22 34 | 2 0 | 3 3 | 0 37 | 14 49 | 1 34 | 22 45 | 17 17 | 4 6 | 3 54 | 16 33 | | n.a. |
| S 23 | 5 52 | 3n26 | 2 7 | 15 55 | 1 35 | 7 24 | 6 58 | 16 32 | 1 10 | 4 16 | 1 27 | 22 35 | 2 0 | 3 2 | 0 37 | 14 49 | 1 34 | 22 45 | 17 17 | 4 6 | 3 55 | 16 32 | | n.a. |
| M24 | 5 29 | 7 41 | 3 13 | 15 56 | 1 46 | 7 12 | 6 56 | 16 18 | 1 10 | 4 14 | 1 27 | 22 35 | 2 0 | 3 1 | 0 37 | 14 49 | 1 34 | 22 46 | 17 17 | 4 6 | 3 56 | 16 31 | | n.a. |
| T 25 | 5 6 | 11 25 | 4 6 | 15 55 | 1 55 | 6 59 | 6 54 | 16 3 | 1 10 | 4 11 | 1 27 | 22 36 | 2 0 | 3 0 | 0 37 | 14 49 | 1 34 | 22 47 | 17 17 | 4 6 | 3 58 | 16 30 | | n.a. |
| W26 | 4 43 | 14 28 | 4 45 | 15 51 | 2 4 | 6 44 | 6 51 | 15 48 | 1 10 | 4 9 | 1 27 | 22 36 | 2 0 | 3 0 | 0 37 | 14 48 | 1 34 | 22 47 | 17 17 | 4 6 | 3 59 | 16 30 | | n.a. |
| T 27 | 4 20 | 16 43 | 5 9 | 15 46 | 2 12 | 6 28 | 6 47 | 15 34 | 1 10 | 4 6 | 1 27 | 22 36 | 2 0 | 2 59 | 0 37 | 14 48 | 1 34 | 22 48 | 17 17 | 4 6 | 4 0 | 16 29 | | n.a. |
| F 28 | 3 57 | 18 9 | 5 17 | 15 38 | 2 19 | 6 11 | 6 42 | 15 19 | 1 10 | 4 4 | 1 27 | 22 37 | 2 0 | 2 58 | 0 37 | 14 48 | 1 34 | 22 48 | 17 16 | 4 6 | 4 1 | 16 28 | | n.a. |
| S 29 | 3 34 | 18 43 | 5 12 | 15 28 | 2 26 | 5 52 | 6 37 | 15 4 | 1 10 | 4 1 | 1 27 | 22 37 | 2 0 | 2 57 | 0 37 | 14 48 | 1 34 | 22 49 | 17 16 | 4 6 | 4 3 | 16 27 | | n.a. |
| S 30 | 3 11 | 18 26 | 4 53 | 15 17 | 2 32 | 5 32 | 6 31 | 14 48 | 1 9 | 3 59 | 1 27 | 22 38 | 2 0 | 2 56 | 0 37 | 14 47 | 1 34 | 22 49 | 17 16 | 4 6 | 4 4 | 16 26 | | n.a. |
| M31 | 2s47 | 17n21 | 4s21 | 15s 3 | 2s37 | 5n11 | 6n24 | 14s33 | 1s 9 | 3s56 | 1n27 | 22n38 | 2n 0 | 2s55 | 0n37 | 14s47 | 1n34 | 22n50 | 17n16 | 4n 6 | 4n 5 | 16n25 | | n.a. |

Julian Day Number = 1002670.5, Delta T = 12h49m20s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'17, Lahiri = -31°05'16 Julian Calendar 1 March 1968 BCE == Greg. Calendar 12 Feb. 1968 BCE

The year -1967 astronomical counting style corresponds to year 1968 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## APRIL 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 30 42 | 24♓ 3'57 | 6♌25 | 28♒23 | 27°R45 | 25♒41 | 12°R59 | 29°R23 | 8°R34 | 13°R44 | 12°R26 | 19♍52 | 19♍49 | 1♌56 | n.a. | T 1 |
| W 2 | 11 34 38 | 25° 1'29 | 18°18 | 29°22 | 27♓ 7 | 26°26 | 12♎52 | 29♋21 | 8♎32 | 13♏43 | 12♍24 | 19°52 | 19°46 | 2° 3 | n.a. | W 2 |
| T 3 | 11 38 35 | 25°59'00 | 0♍17 | 0♓25 | 26°29 | 27°10 | 12°45 | 29°19 | 8°29 | 13°42 | 12°22 | 19°53 | 19°43 | 2° 9 | n.a. | T 3 |
| F 4 | 11 42 31 | 26°56'29 | 12°25 | 1°30 | 25°51 | 27°54 | 12°38 | 29°18 | 8°27 | 13°41 | 12°21 | 19°53 | 19°40 | 2°16 | n.a. | F 4 |
| S 5 | 11 46 28 | 27°53'56 | 24°44 | 2°38 | 25°13 | 28°38 | 12°31 | 29°16 | 8°24 | 13°40 | 12°19 | 19°R53 | 19°37 | 2°23 | n.a. | S 5 |
| S 6 | 11 50 24 | 28°51'22 | 7♎16 | 3°49 | 24°35 | 29°23 | 12°24 | 29°15 | 8°22 | 13°39 | 12°17 | 19°53 | 19°34 | 2°29 | n.a. | S 6 |
| M 7 | 11 54 21 | 29°48'47 | 20° 1 | 5° 3 | 23°58 | 0♓ 7 | 12°16 | 29°14 | 8°19 | 13°38 | 12°16 | 19°52 | 19°30 | 2°36 | n.a. | M 7 |
| T 8 | 11 58 18 | 0♈46'11 | 3♏ 0 | 6°19 | 23°22 | 0°51 | 12° 9 | 29°13 | 8°17 | 13°37 | 12°14 | 19°51 | 19°27 | 2°43 | n.a. | T 8 |
| W 9 | 12 2 14 | 1°43'34 | 16°12 | 7°38 | 22°47 | 1°35 | 12° 2 | 29°12 | 8°15 | 13°36 | 12°13 | 19°49 | 19°24 | 2°49 | n.a. | W 9 |
| T 10 | 12 6 11 | 2°40'56 | 29°39 | 9° 0 | 22°14 | 2°19 | 11°54 | 29°11 | 8°12 | 13°35 | 12°11 | 19°48 | 19°21 | 2°56 | n.a. | T 10 |
| F 11 | 12 10 7 | 3°38'17 | 13♐20 | 10°24 | 21°42 | 3° 3 | 11°47 | 29°10 | 8°10 | 13°34 | 12°10 | 19°46 | 19°18 | 3° 3 | n.a. | F 11 |
| S 12 | 12 14 4 | 4°35'38 | 27°13 | 11°51 | 21°11 | 3°47 | 11°39 | 29°10 | 8° 7 | 13°33 | 12° 8 | 19°46 | 19°14 | 3°10 | n.a. | S 12 |
| S 13 | 12 18 0 | 5°32'57 | 11♑19 | 13°20 | 20°43 | 4°31 | 11°32 | 29° 9 | 8° 5 | 13°31 | 12° 7 | 19°D46 | 19°11 | 3°16 | n.a. | S 13 |
| M14 | 12 21 57 | 6°30'16 | 25°34 | 14°52 | 20°16 | 5°14 | 11°24 | 29° 9 | 8° 2 | 13°30 | 12° 5 | 19°46 | 19° 8 | 3°23 | n.a. | M14 |
| T 15 | 12 25 53 | 7°27'34 | 9♒58 | 16°26 | 19°52 | 5°58 | 11°17 | 29° 8 | 8° 0 | 13°29 | 12° 4 | 19°47 | 19° 5 | 3°30 | n.a. | T 15 |
| W16 | 12 29 50 | 8°24'52 | 24°26 | 18° 3 | 19°29 | 6°42 | 11° 9 | 29° 8 | 7°57 | 13°28 | 12° 2 | 19°49 | 19° 2 | 3°36 | n.a. | W16 |
| T 17 | 12 33 47 | 9°22'08 | 8♓54 | 19°42 | 19° 9 | 7°25 | 11° 1 | 29° 8 | 7°55 | 13°27 | 12° 1 | 19°49 | 18°59 | 3°43 | n.a. | T 17 |
| F 18 | 12 37 43 | 10°19'24 | 23°18 | 21°24 | 18°52 | 8° 9 | 10°54 | 29°D 8 | 7°52 | 13°25 | 11°59 | 19°R50 | 18°55 | 3°50 | n.a. | F 18 |
| S 19 | 12 41 40 | 11°16'39 | 7♈33 | 23° 8 | 18°36 | 8°52 | 10°46 | 29° 8 | 7°50 | 13°24 | 11°58 | 19°49 | 18°52 | 3°56 | n.a. | S 19 |
| S 20 | 12 45 36 | 12°13'53 | 21°34 | 24°54 | 18°23 | 9°36 | 10°39 | 29° 8 | 7°47 | 13°23 | 11°56 | 19°47 | 18°49 | 4° 3 | n.a. | S 20 |
| M21 | 12 49 33 | 13°11'06 | 5♉16 | 26°43 | 18°13 | 10°19 | 10°31 | 29° 8 | 7°45 | 13°21 | 11°55 | 19°44 | 18°46 | 4°10 | n.a. | M21 |
| T 22 | 12 53 29 | 14° 8'18 | 18°38 | 28°34 | 18° 5 | 11° 2 | 10°23 | 29° 8 | 7°42 | 13°20 | 11°54 | 19°41 | 18°43 | 4°16 | n.a. | T 22 |
| W23 | 12 57 26 | 15° 5'30 | 1♊39 | 0♈27 | 17°59 | 11°46 | 10°16 | 29° 9 | 7°40 | 13°19 | 11°52 | 19°37 | 18°39 | 4°23 | n.a. | W23 |
| T 24 | 13 1 22 | 16° 2'40 | 14°20 | 2°23 | 17°55 | 12°29 | 10° 8 | 29° 9 | 7°37 | 13°17 | 11°51 | 19°34 | 18°36 | 4°30 | n.a. | T 24 |
| F 25 | 13 5 19 | 16°59'50 | 26°42 | 4°21 | 17°D54 | 13°12 | 10° 1 | 29°10 | 7°35 | 13°16 | 11°50 | 19°31 | 18°33 | 4°36 | n.a. | F 25 |
| S 26 | 13 9 16 | 17°56'59 | 8♋50 | 6°21 | 17°56 | 13°55 | 9°53 | 29°10 | 7°33 | 13°14 | 11°48 | 19°29 | 18°30 | 4°43 | n.a. | S 26 |
| S 27 | 13 13 12 | 18°54'07 | 20°48 | 8°23 | 17°59 | 14°38 | 9°46 | 29°11 | 7°30 | 13°13 | 11°47 | 19°D29 | 18°27 | 4°50 | n.a. | S 27 |
| M28 | 13 17 9 | 19°51'13 | 2♌40 | 10°27 | 18° 5 | 15°21 | 9°38 | 29°12 | 7°28 | 13°12 | 11°46 | 19°30 | 18°24 | 4°56 | n.a. | M28 |
| T 29 | 13 21 5 | 20°48'20 | 14°31 | 12°32 | 18°13 | 16° 4 | 9°31 | 29°13 | 7°25 | 13°10 | 11°45 | 19°31 | 18°20 | 5° 3 | n.a. | T 29 |
| W30 | 13 25 2 | 21♈45'25 | 26♌26 | 14♈39 | 18♓23 | 16♓46 | 9♎23 | 29♋14 | 7♎23 | 13♏ 9 | 11♍43 | 19♍33 | 18♍17 | 5♌10 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s24 | 15n31 | 3s39 | 14s47 | 2s41 | 4n49 | 6n16 | 14s18 | 1s 9 | 3s53 | 1n27 | 22n38 | 1n59 | 2s54 | 0n37 | 14s47 | 1n34 | 22n51 | 17n16 | 4n 6 | 4n 6 | 16n24 | | n.a. |
| W 2 | 2 1 | 13 1 | 2 47 | 14 29 | 2 44 | 4 26 | 6 8 | 14 2 | 1 9 | 3 51 | 1 27 | 22 38 | 1 59 | 2 53 | 0 37 | 14 46 | 1 34 | 22 51 | 17 16 | 4 5 | 4 8 | 16 23 | | n.a. |
| T 3 | 1 38 | 9 56 | 1 47 | 14 9 | 2 47 | 4 3 | 5 59 | 13 47 | 1 9 | 3 48 | 1 27 | 22 39 | 1 59 | 2 52 | 0 37 | 14 46 | 1 34 | 22 52 | 17 16 | 4 5 | 4 9 | 16 22 | | n.a. |
| F 4 | 1 14 | 6 24 | 0 41 | 13 47 | 2 49 | 3 38 | 5 49 | 13 31 | 1 9 | 3 45 | 1 27 | 22 39 | 1 59 | 2 51 | 0 37 | 14 46 | 1 34 | 22 52 | 17 15 | 4 5 | 4 10 | 16 21 | | n.a. |
| S 5 | 0 51 | 2 32 | 0n27 | 13 23 | 2 51 | 3 14 | 5 39 | 13 15 | 1 9 | 3 42 | 1 27 | 22 39 | 1 59 | 2 50 | 0 37 | 14 46 | 1 34 | 22 53 | 17 15 | 4 5 | 4 12 | 16 20 | | n.a. |
| S 6 | 0 28 | 1s29 | 1 35 | 12 58 | 2 52 | 2 48 | 5 28 | 12 59 | 1 9 | 3 40 | 1 27 | 22 39 | 1 59 | 2 49 | 0 37 | 14 45 | 1 34 | 22 53 | 17 15 | 4 5 | 4 13 | 16 20 | | n.a. |
| M 7 | 0 5 | 5 31 | 2 39 | 12 30 | 2 52 | 2 23 | 5 16 | 12 43 | 1 8 | 3 37 | 1 27 | 22 39 | 1 59 | 2 48 | 0 37 | 14 45 | 1 34 | 22 54 | 17 15 | 4 6 | 4 14 | 16 19 | | n.a. |
| T 8 | 0n19 | 9 22 | 3 37 | 12 1 | 2 51 | 1 58 | 5 4 | 12 27 | 1 8 | 3 34 | 1 27 | 22 39 | 1 59 | 2 47 | 0 37 | 14 45 | 1 34 | 22 54 | 17 15 | 4 6 | 4 15 | 16 18 | | n.a. |
| W 9 | 0 42 | 12 49 | 4 24 | 11 29 | 2 50 | 1 32 | 4 52 | 12 11 | 1 8 | 3 31 | 1 27 | 22 39 | 1 59 | 2 46 | 0 37 | 14 44 | 1 34 | 22 54 | 17 14 | 4 7 | 4 17 | 16 17 | | n.a. |
| T 10 | 1 5 | 15 39 | 4 57 | 10 56 | 2 48 | 1 7 | 4 39 | 11 55 | 1 8 | 3 28 | 1 27 | 22 40 | 1 58 | 2 45 | 0 37 | 14 44 | 1 35 | 22 55 | 17 14 | 4 7 | 4 18 | 16 16 | | n.a. |
| F 11 | 1 28 | 17 39 | 5 14 | 10 21 | 2 45 | 0 42 | 4 26 | 11 38 | 1 8 | 3 25 | 1 27 | 22 40 | 1 58 | 2 44 | 0 37 | 14 43 | 1 35 | 22 55 | 17 14 | 4 8 | 4 19 | 16 15 | | n.a. |
| S 12 | 1 52 | 18 40 | 5 14 | 9 45 | 2 42 | 0 18 | 4 13 | 11 22 | 1 7 | 3 22 | 1 27 | 22 40 | 1 58 | 2 43 | 0 37 | 14 43 | 1 35 | 22 56 | 17 14 | 4 8 | 4 20 | 16 14 | | n.a. |
| S 13 | 2 15 | 18 32 | 4 54 | 9 6 | 2 38 | 0s 6 | 3 59 | 11 5 | 1 7 | 3 19 | 1 27 | 22 40 | 1 58 | 2 42 | 0 37 | 14 43 | 1 35 | 22 56 | 17 13 | 4 8 | 4 22 | 16 13 | | n.a. |
| M14 | 2 38 | 17 15 | 4 17 | 8 26 | 2 34 | 0 29 | 3 45 | 10 49 | 1 7 | 3 16 | 1 27 | 22 40 | 1 58 | 2 41 | 0 37 | 14 42 | 1 35 | 22 56 | 17 13 | 4 8 | 4 23 | 16 12 | | n.a. |
| T 15 | 3 1 | 14 51 | 3 23 | 7 44 | 2 29 | 0 52 | 3 31 | 10 32 | 1 7 | 3 13 | 1 27 | 22 40 | 1 58 | 2 40 | 0 37 | 14 42 | 1 35 | 22 57 | 17 13 | 4 7 | 4 24 | 16 11 | | n.a. |
| W16 | 3 24 | 11 31 | 2 16 | 7 1 | 2 24 | 1 13 | 3 17 | 10 16 | 1 7 | 3 10 | 1 27 | 22 39 | 1 58 | 2 39 | 0 37 | 14 42 | 1 35 | 22 57 | 17 13 | 4 7 | 4 26 | 16 10 | | n.a. |
| T 17 | 3 47 | 7 28 | 1 0 | 6 15 | 2 17 | 1 34 | 3 4 | 9 59 | 1 6 | 3 7 | 1 27 | 22 39 | 1 58 | 2 38 | 0 37 | 14 41 | 1 35 | 22 57 | 17 12 | 4 6 | 4 27 | 16 9 | | n.a. |
| F 18 | 4 10 | 3 0 | 0s19 | 5 28 | 2 11 | 1 54 | 2 50 | 9 42 | 1 6 | 3 4 | 1 26 | 22 39 | 1 57 | 2 37 | 0 37 | 14 41 | 1 35 | 22 58 | 17 12 | 4 6 | 4 28 | 16 8 | | n.a. |
| S 19 | 4 33 | 1n35 | 1 36 | 4 40 | 2 4 | 2 12 | 2 36 | 9 25 | 1 6 | 3 2 | 1 26 | 22 39 | 1 57 | 2 36 | 0 37 | 14 40 | 1 35 | 22 58 | 17 12 | 4 7 | 4 29 | 16 7 | | n.a. |
| S 20 | 4 56 | 6 1 | 2 46 | 3 50 | 1 56 | 2 30 | 2 23 | 9 8 | 1 6 | 2 59 | 1 26 | 22 39 | 1 57 | 2 35 | 0 37 | 14 40 | 1 35 | 22 58 | 17 11 | 4 7 | 4 31 | 16 6 | | n.a. |
| M21 | 5 18 | 10 1 | 3 45 | 2 58 | 1 48 | 2 47 | 2 9 | 8 51 | 1 5 | 2 56 | 1 26 | 22 39 | 1 57 | 2 34 | 0 37 | 14 39 | 1 35 | 22 58 | 17 11 | 4 9 | 4 32 | 16 5 | | n.a. |
| T 22 | 5 41 | 13 24 | 4 29 | 2 5 | 1 39 | 3 2 | 1 56 | 8 34 | 1 5 | 2 53 | 1 26 | 22 39 | 1 57 | 2 33 | 0 37 | 14 39 | 1 35 | 22 59 | 17 11 | 4 10 | 4 33 | 16 4 | | n.a. |
| W23 | 6 4 | 16 2 | 4 59 | 1 11 | 1 30 | 3 16 | 1 43 | 8 17 | 1 5 | 2 50 | 1 26 | 22 38 | 1 57 | 2 32 | 0 37 | 14 39 | 1 35 | 22 59 | 17 10 | 4 11 | 4 34 | 16 3 | | n.a. |
| T 24 | 6 26 | 17 48 | 5 13 | 0 16 | 1 21 | 3 29 | 1 30 | 8 0 | 1 5 | 2 47 | 1 26 | 22 38 | 1 57 | 2 31 | 0 37 | 14 38 | 1 35 | 22 59 | 17 10 | 4 13 | 4 36 | 16 2 | | n.a. |
| F 25 | 6 48 | 18 41 | 5 11 | 0n41 | 1 11 | 3 41 | 1 18 | 7 43 | 1 4 | 2 44 | 1 26 | 22 38 | 1 56 | 2 30 | 0 37 | 14 38 | 1 35 | 22 59 | 17 10 | 4 14 | 4 37 | 16 1 | | n.a. |
| S 26 | 7 11 | 18 41 | 4 56 | 1 39 | 1 1 | 3 52 | 1 5 | 7 26 | 1 4 | 2 41 | 1 26 | 22 38 | 1 56 | 2 29 | 0 37 | 14 37 | 1 35 | 22 59 | 17 9 | 4 14 | 4 38 | 16 0 | | n.a. |
| S 27 | 7 33 | 17 51 | 4 28 | 2 37 | 0 50 | 4 1 | 0 54 | 7 9 | 1 4 | 2 38 | 1 25 | 22 37 | 1 56 | 2 28 | 0 37 | 14 37 | 1 35 | 23 0 | 17 9 | 4 15 | 4 39 | 15 59 | | n.a. |
| M28 | 7 55 | 16 14 | 3 49 | 3 36 | 0 40 | 4 10 | 0 42 | 6 52 | 1 4 | 2 35 | 1 25 | 22 37 | 1 56 | 2 28 | 0 37 | 14 36 | 1 35 | 23 0 | 17 8 | 4 14 | 4 41 | 15 58 | | n.a. |
| T 29 | 8 17 | 13 56 | 3 0 | 4 36 | 0 29 | 4 17 | 0 31 | 6 34 | 1 3 | 2 33 | 1 25 | 22 37 | 1 56 | 2 27 | 0 37 | 14 36 | 1 35 | 23 0 | 17 8 | 4 14 | 4 42 | 15 57 | | n.a. |
| W30 | 8n39 | 11n 2 | 2s 3 | 5n36 | 0s18 | 4s23 | 0n20 | 6s17 | 1s 3 | 2s30 | 1n25 | 22n36 | 1n56 | 2s26 | 0n37 | 14s35 | 1n35 | 23n 0 | 17n 8 | 4n13 | 4n43 | 15n57 | | n.a. |

Julian Day Number = 1002701.5, Delta T = 12h49m17s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'13, Lahiri = -31°05'12 Julian Calendar 1 Apr. 1968 BCE == Greg. Calendar 15 March 1968 BCE


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## MAY 1968 BCE (-1967) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 28 58 | 22♈42'29 | 8♍29 | 16♈48 | 18♓35 | 17♓29 | 9°R16 | 29♋15 | 7°R21 | 13°R 7 | 11°R42 | 19♍34 | 18♍14 | 5♌17 | n.a. | T 1 |
| F 2 | 13 32 55 | 23°39'33 | 20°45 | 18°57 | 18°49 | 18°12 | 9♎ 9 | 29°17 | 7♎18 | 13♏ 6 | 11♍41 | 19°R35 | 18°11 | 5°23 | n.a. | F 2 |
| S 3 | 13 36 52 | 24°36'37 | 3♎16 | 21° 7 | 19° 5 | 18°54 | 9° 2 | 29°18 | 7°16 | 13° 4 | 11°40 | 19°34 | 18° 8 | 5°30 | n.a. | S 3 |
| S 4 | 13 40 48 | 25°33'39 | 16° 4 | 23°18 | 19°23 | 19°37 | 8°55 | 29°20 | 7°14 | 13° 3 | 11°39 | 19°31 | 18° 5 | 5°37 | n.a. | S 4 |
| M 5 | 13 44 45 | 26°30'42 | 29°10 | 25°29 | 19°43 | 20°19 | 8°48 | 29°21 | 7°11 | 13° 1 | 11°38 | 19°27 | 18° 1 | 5°43 | n.a. | M 5 |
| T 6 | 13 48 41 | 27°27'44 | 12♏32 | 27°41 | 20° 5 | 21° 2 | 8°41 | 29°23 | 7° 9 | 13° 0 | 11°37 | 19°22 | 17°58 | 5°50 | n.a. | T 6 |
| W 7 | 13 52 38 | 28°24'46 | 26°11 | 29°52 | 20°28 | 21°44 | 8°34 | 29°25 | 7° 7 | 12°58 | 11°36 | 19°16 | 17°55 | 5°57 | n.a. | W 7 |
| T 8 | 13 56 34 | 29°21'48 | 10♐ 1 | 2♉ 2 | 20°53 | 22°27 | 8°27 | 29°27 | 7° 4 | 12°56 | 11°35 | 19°10 | 17°52 | 6° 3 | n.a. | T 8 |
| F 9 | 14 0 31 | 0♉18'50 | 24° 2 | 4°12 | 21°20 | 23° 9 | 8°21 | 29°29 | 7° 2 | 12°55 | 11°34 | 19° 5 | 17°49 | 6°10 | n.a. | F 9 |
| S 10 | 14 4 27 | 1°15'52 | 8♊ 8 | 6°21 | 21°48 | 23°51 | 8°14 | 29°31 | 7° 0 | 12°53 | 11°33 | 19° 1 | 17°45 | 6°17 | n.a. | S 10 |
| S 11 | 14 8 24 | 2°12'54 | 22°18 | 8°28 | 22°17 | 24°33 | 8° 8 | 29°33 | 6°58 | 12°52 | 11°32 | 18°59 | 17°42 | 6°23 | n.a. | S 11 |
| M12 | 14 12 21 | 3° 9'56 | 6♒29 | 10°34 | 22°49 | 25°15 | 8° 1 | 29°35 | 6°56 | 12°50 | 11°31 | 18°D58 | 17°39 | 6°30 | n.a. | M12 |
| T 13 | 14 16 17 | 4° 6'59 | 20°40 | 12°39 | 23°21 | 25°57 | 7°55 | 29°37 | 6°54 | 12°49 | 11°30 | 18°59 | 17°36 | 6°37 | n.a. | T 13 |
| W14 | 14 20 14 | 5° 4'01 | 4♓48 | 14°42 | 23°55 | 26°39 | 7°49 | 29°40 | 6°52 | 12°47 | 11°29 | 19° 0 | 17°33 | 6°43 | n.a. | W14 |
| T 15 | 14 24 10 | 6° 1'04 | 18°52 | 16°44 | 24°30 | 27°21 | 7°43 | 29°42 | 6°49 | 12°45 | 11°29 | 19°R 1 | 17°30 | 6°50 | n.a. | T 15 |
| F 16 | 14 28 7 | 6°58'07 | 2♈50 | 18°43 | 25° 6 | 28° 3 | 7°37 | 29°45 | 6°47 | 12°44 | 11°28 | 19° 0 | 17°26 | 6°57 | n.a. | F 16 |
| S 17 | 14 32 3 | 7°55'11 | 16°40 | 20°41 | 25°44 | 28°44 | 7°32 | 29°48 | 6°45 | 12°42 | 11°27 | 18°57 | 17°23 | 7° 3 | n.a. | S 17 |
| S 18 | 14 36 0 | 8°52'14 | 0♉18 | 22°37 | 26°22 | 29°26 | 7°26 | 29°51 | 6°43 | 12°41 | 11°26 | 18°52 | 17°20 | 7°10 | n.a. | S 18 |
| M19 | 14 39 57 | 9°49'18 | 13°44 | 24°31 | 27° 2 | 0♈ 8 | 7°21 | 29°53 | 6°41 | 12°39 | 11°26 | 18°45 | 17°17 | 7°17 | n.a. | M19 |
| T 20 | 14 43 53 | 10°46'22 | 26°53 | 26°23 | 27°43 | 0°49 | 7°15 | 29°56 | 6°40 | 12°37 | 11°25 | 18°37 | 17°14 | 7°23 | n.a. | T 20 |
| W21 | 14 47 50 | 11°43'26 | 9♊46 | 28°13 | 28°25 | 1°31 | 7°10 | 29°59 | 6°38 | 12°36 | 11°25 | 18°27 | 17°11 | 7°30 | n.a. | W21 |
| T 22 | 14 51 46 | 12°40'31 | 22°21 | 0♊ 1 | 29° 7 | 2°12 | 7° 5 | 0♌ 3 | 6°36 | 12°34 | 11°24 | 18°19 | 17° 7 | 7°37 | n.a. | T 22 |
| F 23 | 14 55 43 | 13°37'35 | 4♋41 | 1°47 | 29°51 | 2°53 | 7° 0 | 0° 6 | 6°34 | 12°32 | 11°23 | 18°11 | 17° 4 | 7°43 | n.a. | F 23 |
| S 24 | 14 59 39 | 14°34'39 | 16°47 | 3°31 | 0♈36 | 3°35 | 6°55 | 0° 9 | 6°32 | 12°31 | 11°23 | 18° 5 | 17° 1 | 7°50 | n.a. | S 24 |
| S 25 | 15 3 36 | 15°31'44 | 28°44 | 5°13 | 1°21 | 4°16 | 6°51 | 0°13 | 6°30 | 12°29 | 11°22 | 18° 2 | 16°58 | 7°57 | n.a. | S 25 |
| M26 | 15 7 32 | 16°28'49 | 10♌35 | 6°53 | 2° 7 | 4°57 | 6°46 | 0°16 | 6°29 | 12°28 | 11°22 | 18° 0 | 16°55 | 8° 3 | n.a. | M26 |
| T 27 | 15 11 29 | 17°25'53 | 22°25 | 8°30 | 2°54 | 5°38 | 6°42 | 0°20 | 6°27 | 12°26 | 11°22 | 18°D 0 | 16°51 | 8°10 | n.a. | T 27 |
| W28 | 15 15 26 | 18°22'58 | 4♍20 | 10° 6 | 3°42 | 6°19 | 6°38 | 0°23 | 6°25 | 12°24 | 11°21 | 18° 1 | 16°48 | 8°17 | n.a. | W28 |
| T 29 | 15 19 22 | 19°20'03 | 16°25 | 11°40 | 4°31 | 7° 0 | 6°34 | 0°27 | 6°24 | 12°23 | 11°21 | 18°R 1 | 16°45 | 8°24 | n.a. | T 29 |
| F 30 | 15 23 19 | 20°17'09 | 28°45 | 13°12 | 5°20 | 7°41 | 6°30 | 0°31 | 6°22 | 12°21 | 11°20 | 18° 1 | 16°42 | 8°30 | n.a. | F 30 |
| S 31 | 15 27 15 | 21♉14'14 | 11♎24 | 14♊42 | 6♈10 | 8♈22 | 6♎27 | 0♌35 | 6♎21 | 12♏20 | 11♍20 | 17♍58 | 16♍39 | 8♌37 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 9n 0 | 7n37 | 1s 0 | 6n36 | 0s 8 | 4s28 | 0n 9 | 6s 0 | 1s 3 | 2s27 | 1n25 | 22n36 | 1n56 | 2s25 | 0n37 | 14s35 | 1n35 | 23n 0 | 17n 7 | 4n13 | 4n45 | 15n56 | | | n.a. |
| F 2 | 9 22 | 3 50 | 0n 6 | 7 37 | 0n 3 | 4 32 | 0s 1 | 5 43 | 1 2 | 2 24 | 1 25 | 22 35 | 1 56 | 2 24 | 0 37 | 14 35 | 1 35 | 23 0 | 17 7 | 4 12 | 4 46 | 15 55 | | | n.a. |
| S 3 | 9 43 | 0s12 | 1 14 | 8 37 | 0 14 | 4 35 | 0 11 | 5 25 | 1 2 | 2 22 | 1 24 | 22 35 | 1 55 | 2 23 | 0 37 | 14 34 | 1 35 | 23 0 | 17 6 | 4 13 | 4 47 | 15 54 | | | n.a. |
| S 4 | 10 4 | 4 18 | 2 19 | 9 36 | 0 24 | 4 36 | 0 21 | 5 8 | 1 2 | 2 19 | 1 24 | 22 35 | 1 55 | 2 22 | 0 37 | 14 34 | 1 35 | 23 0 | 17 6 | 4 14 | 4 48 | 15 53 | | | n.a. |
| M 5 | 10 26 | 8 18 | 3 19 | 10 34 | 0 34 | 4 37 | 0 30 | 4 51 | 1 1 | 2 16 | 1 24 | 22 34 | 1 55 | 2 21 | 0 37 | 14 33 | 1 35 | 23 0 | 17 6 | 4 15 | 4 50 | 15 52 | | | n.a. |
| T 6 | 10 47 | 11 58 | 4 9 | 11 32 | 0 44 | 4 36 | 0 39 | 4 33 | 1 1 | 2 14 | 1 24 | 22 34 | 1 55 | 2 20 | 0 37 | 14 33 | 1 35 | 23 0 | 17 5 | 4 17 | 4 51 | 15 50 | | | n.a. |
| W 7 | 11 7 | 15 4 | 4 45 | 12 28 | 0 53 | 4 35 | 0 48 | 4 16 | 1 1 | 2 11 | 1 24 | 22 33 | 1 55 | 2 19 | 0 37 | 14 32 | 1 35 | 23 0 | 17 5 | 4 20 | 4 52 | 15 49 | | | n.a. |
| T 8 | 11 28 | 17 21 | 5 6 | 13 23 | 1 2 | 4 33 | 0 56 | 3 59 | 1 0 | 2 9 | 1 23 | 22 33 | 1 55 | 2 18 | 0 37 | 14 32 | 1 35 | 23 0 | 17 4 | 4 22 | 4 53 | 15 48 | | | n.a. |
| F 9 | 11 48 | 18 38 | 5 9 | 14 16 | 1 10 | 4 29 | 1 5 | 3 41 | 1 0 | 2 6 | 1 23 | 22 32 | 1 55 | 2 17 | 0 36 | 14 31 | 1 35 | 23 0 | 17 4 | 4 24 | 4 55 | 15 47 | | | n.a. |
| S 10 | 12 9 | 18 47 | 4 53 | 15 8 | 1 18 | 4 25 | 1 12 | 3 24 | 1 0 | 2 4 | 1 23 | 22 31 | 1 54 | 2 17 | 0 36 | 14 31 | 1 35 | 23 0 | 17 3 | 4 26 | 4 56 | 15 46 | | | n.a. |
| S 11 | 12 29 | 17 46 | 4 19 | 15 57 | 1 25 | 4 20 | 1 20 | 3 7 | 0 59 | 2 1 | 1 23 | 22 31 | 1 54 | 2 16 | 0 36 | 14 30 | 1 35 | 23 0 | 17 3 | 4 27 | 4 57 | 15 45 | | | n.a. |
| M12 | 12 49 | 15 39 | 3 30 | 16 45 | 1 32 | 4 14 | 1 27 | 2 49 | 0 59 | 1 59 | 1 23 | 22 30 | 1 54 | 2 15 | 0 36 | 14 30 | 1 35 | 23 0 | 17 2 | 4 27 | 4 58 | 15 44 | | | n.a. |
| T 13 | 13 9 | 12 34 | 2 27 | 17 30 | 1 38 | 4 7 | 1 34 | 2 32 | 0 59 | 1 57 | 1 22 | 22 30 | 1 54 | 2 14 | 0 36 | 14 29 | 1 35 | 23 0 | 17 2 | 4 27 | 5 0 | 15 43 | | | n.a. |
| W14 | 13 28 | 8 46 | 1 16 | 18 13 | 1 43 | 4 0 | 1 40 | 2 15 | 0 58 | 1 55 | 1 22 | 22 29 | 1 54 | 2 13 | 0 36 | 14 29 | 1 35 | 23 0 | 17 1 | 4 26 | 5 1 | 15 42 | | | n.a. |
| T 15 | 13 48 | 4 29 | 0 1 | 18 53 | 1 48 | 3 51 | 1 47 | 1 57 | 0 58 | 1 52 | 1 22 | 22 28 | 1 54 | 2 12 | 0 36 | 14 28 | 1 35 | 23 0 | 17 1 | 4 26 | 5 2 | 15 41 | | | n.a. |
| F 16 | 14 7 | 0n 1 | 1s14 | 19 32 | 1 52 | 3 42 | 1 53 | 1 40 | 0 57 | 1 50 | 1 22 | 22 28 | 1 54 | 2 12 | 0 36 | 14 28 | 1 35 | 22 59 | 17 0 | 4 26 | 5 3 | 15 40 | | | n.a. |
| S 17 | 14 26 | 4 28 | 2 23 | 20 8 | 1 55 | 3 32 | 1 58 | 1 23 | 0 57 | 1 48 | 1 21 | 22 27 | 1 54 | 2 11 | 0 36 | 14 27 | 1 35 | 22 59 | 17 0 | 4 27 | 5 5 | 15 39 | | | n.a. |
| S 18 | 14 44 | 8 38 | 3 24 | 20 41 | 1 58 | 3 21 | 2 4 | 1 5 | 0 57 | 1 46 | 1 21 | 22 26 | 1 53 | 2 10 | 0 36 | 14 27 | 1 35 | 22 59 | 16 59 | 4 29 | 5 6 | 15 38 | | | n.a. |
| M19 | 15 3 | 12 17 | 4 11 | 21 13 | 2 0 | 3 10 | 2 9 | 0 48 | 0 56 | 1 44 | 1 21 | 22 25 | 1 53 | 2 9 | 0 36 | 14 26 | 1 35 | 22 59 | 16 59 | 4 32 | 5 7 | 15 37 | | | n.a. |
| T 20 | 15 21 | 15 14 | 4 45 | 21 42 | 2 1 | 2 58 | 2 14 | 0 31 | 0 56 | 1 42 | 1 21 | 22 25 | 1 53 | 2 9 | 0 36 | 14 26 | 1 35 | 22 59 | 16 58 | 4 36 | 5 9 | 15 36 | | | n.a. |
| W21 | 15 39 | 17 22 | 5 3 | 22 8 | 2 2 | 2 46 | 2 19 | 0 14 | 0 55 | 1 40 | 1 20 | 22 24 | 1 53 | 2 8 | 0 36 | 14 25 | 1 35 | 22 58 | 16 58 | 4 39 | 5 10 | 15 35 | | | n.a. |
| T 22 | 15 57 | 18 37 | 5 5 | 22 32 | 2 2 | 2 32 | 2 23 | 0n 3 | 0 55 | 1 39 | 1 20 | 22 23 | 1 53 | 2 7 | 0 36 | 14 25 | 1 35 | 22 58 | 16 57 | 4 43 | 5 11 | 15 34 | | | n.a. |
| F 23 | 16 15 | 18 57 | 4 54 | 22 54 | 2 1 | 2 19 | 2 28 | 0 21 | 0 54 | 1 37 | 1 20 | 22 22 | 1 53 | 2 6 | 0 36 | 14 24 | 1 35 | 22 58 | 16 57 | 4 46 | 5 12 | 15 33 | | | n.a. |
| S 24 | 16 32 | 18 24 | 4 29 | 23 14 | 2 0 | 2 4 | 2 32 | 0 38 | 0 54 | 1 35 | 1 20 | 22 21 | 1 53 | 2 6 | 0 36 | 14 24 | 1 35 | 22 58 | 16 56 | 4 48 | 5 14 | 15 32 | | | n.a. |
| S 25 | 16 49 | 17 2 | 3 53 | 23 32 | 1 58 | 1 49 | 2 35 | 0 55 | 0 54 | 1 34 | 1 19 | 22 20 | 1 53 | 2 5 | 0 36 | 14 23 | 1 35 | 22 57 | 16 55 | 4 49 | 5 15 | 15 31 | | | n.a. |
| M26 | 17 6 | 14 57 | 3 7 | 23 48 | 1 56 | 1 34 | 2 39 | 1 12 | 0 53 | 1 32 | 1 19 | 22 20 | 1 52 | 2 4 | 0 36 | 14 23 | 1 35 | 22 57 | 16 55 | 4 50 | 5 16 | 15 30 | | | n.a. |
| T 27 | 17 22 | 12 14 | 2 13 | 24 1 | 1 53 | 1 18 | 2 42 | 1 29 | 0 53 | 1 31 | 1 19 | 22 19 | 1 52 | 2 4 | 0 36 | 14 22 | 1 35 | 22 57 | 16 54 | 4 50 | 5 17 | 15 29 | | | n.a. |
| W28 | 17 39 | 8 59 | 1 13 | 24 13 | 1 49 | 1 1 | 2 45 | 1 46 | 0 52 | 1 29 | 1 18 | 22 18 | 1 52 | 2 3 | 0 36 | 14 22 | 1 35 | 22 56 | 16 54 | 4 50 | 5 19 | 15 28 | | | n.a. |
| T 29 | 17 55 | 5 20 | 0 9 | 24 22 | 1 45 | 0 44 | 2 48 | 2 3 | 0 52 | 1 28 | 1 18 | 22 17 | 1 52 | 2 2 | 0 36 | 14 21 | 1 35 | 22 56 | 16 53 | 4 50 | 5 20 | 15 27 | | | n.a. |
| F 30 | 18 10 | 1 22 | 0n57 | 24 30 | 1 41 | 0 27 | 2 51 | 2 19 | 0 51 | 1 27 | 1 18 | 22 16 | 1 52 | 2 2 | 0 36 | 14 21 | 1 35 | 22 56 | 16 53 | 4 50 | 5 21 | 15 25 | | | n.a. |
| S 31 | 18n26 | 2s44 | 2n 1 | 24n36 | 1n35 | 0s 9 | 2s53 | 2n36 | 0s51 | 1s26 | 1n18 | 22n15 | 1n52 | 2s 1 | 0n36 | 14s20 | 1n35 | 22n55 | 16n52 | 4n51 | 5n22 | 15n24 | | | n.a. |

Julian Day Number = 1002731.5, Delta T = 12h49m15s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'09, Lahiri = -31°05'08 Julian Calendar 1 May 1968 BCE == Greg. Calendar 14 Apr. 1968 BCE

The year -1967 astronomical counting style corresponds to year 1968 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## JUNE 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 31 12 | 22♉11'20 | 24♎24 | 16♊ 9 | 7♈ 0 | 9♈ 2 | 6°R23 | 0♌39 | 6°R19 | 12°R18 | 11°R20 | 17°R54 | 16♍36 | 8♌44 | n.a. | S 1 |
| M 2 | 15 35 8 | 23° 8'27 | 7♏47 | 17°35 | 7°52 | 9°43 | 6♎20 | 0°43 | 6♎18 | 12♏16 | 11♍20 | 17♍47 | 16°32 | 8°50 | n.a. | M 2 |
| T 3 | 15 39 5 | 24° 5'34 | 21°32 | 18°58 | 8°44 | 10°23 | 6°17 | 0°47 | 6°16 | 12°15 | 11°19 | 17°37 | 16°29 | 8°57 | n.a. | T 3 |
| W 4 | 15 43 2 | 25° 2'42 | 5♐36 | 20°19 | 9°36 | 11° 4 | 6°14 | 0°51 | 6°15 | 12°13 | 11°19 | 17°27 | 16°26 | 9° 4 | n.a. | W 4 |
| T 5 | 15 46 58 | 25°59'51 | 19°54 | 21°38 | 10°29 | 11°44 | 6°11 | 0°56 | 6°14 | 12°12 | 11°19 | 17°17 | 16°23 | 9°10 | n.a. | T 5 |
| F 6 | 15 50 55 | 26°57'00 | 4♑20 | 22°55 | 11°23 | 12°25 | 6° 9 | 1° 0 | 6°13 | 12°10 | 11°19 | 17° 8 | 16°20 | 9°17 | n.a. | F 6 |
| S 7 | 15 54 51 | 27°54'11 | 18°47 | 24°10 | 12°17 | 13° 5 | 6° 6 | 1° 5 | 6°11 | 12° 9 | 11°19 | 17° 1 | 16°16 | 9°24 | n.a. | S 7 |
| S 8 | 15 58 48 | 28°51'22 | 3♒12 | 25°22 | 13°12 | 13°45 | 6° 4 | 1° 9 | 6°10 | 12° 7 | 11°D19 | 16°57 | 16°13 | 9°30 | n.a. | S 8 |
| M 9 | 16 2 44 | 29°48'35 | 17°29 | 26°31 | 14° 7 | 14°25 | 6° 2 | 1°14 | 6° 9 | 12° 6 | 11°19 | 16°54 | 16°10 | 9°37 | n.a. | M 9 |
| T 10 | 16 6 41 | 0♊45'49 | 1♓38 | 27°38 | 15° 3 | 15° 6 | 6° 0 | 1°18 | 6° 8 | 12° 4 | 11°19 | 16°D54 | 16° 7 | 9°44 | n.a. | T 10 |
| W11 | 16 10 37 | 1°43'04 | 15°35 | 28°43 | 15°59 | 15°46 | 5°59 | 1°23 | 6° 7 | 12° 3 | 11°19 | 16°R54 | 16° 4 | 9°50 | n.a. | W11 |
| T 12 | 16 14 34 | 2°40'20 | 29°22 | 29°45 | 16°56 | 16°25 | 5°57 | 1°28 | 6° 6 | 12° 1 | 11°19 | 16°54 | 16° 1 | 9°57 | n.a. | T 12 |
| F 13 | 16 18 31 | 3°37'37 | 12♈59 | 0♋44 | 17°53 | 17° 5 | 5°56 | 1°33 | 6° 5 | 12° 0 | 11°19 | 16°51 | 15°57 | 10° 4 | n.a. | F 13 |
| S 14 | 16 22 27 | 4°34'56 | 26°25 | 1°40 | 18°51 | 17°45 | 5°55 | 1°38 | 6° 4 | 11°58 | 11°20 | 16°47 | 15°54 | 10°10 | n.a. | S 14 |
| S 15 | 16 26 24 | 5°32'16 | 9♉41 | 2°33 | 19°49 | 18°25 | 5°54 | 1°43 | 6° 3 | 11°57 | 11°20 | 16°39 | 15°51 | 10°17 | n.a. | S 15 |
| M16 | 16 30 20 | 6°29'37 | 22°45 | 3°23 | 20°48 | 19° 5 | 5°53 | 1°48 | 6° 2 | 11°55 | 11°20 | 16°29 | 15°48 | 10°24 | n.a. | M16 |
| T 17 | 16 34 17 | 7°26'59 | 5♊36 | 4° 9 | 21°46 | 19°44 | 5°52 | 1°53 | 6° 2 | 11°54 | 11°20 | 16°17 | 15°45 | 10°30 | n.a. | T 17 |
| W18 | 16 38 13 | 8°24'23 | 18°15 | 4°52 | 22°46 | 20°24 | 5°52 | 1°58 | 6° 1 | 11°52 | 11°21 | 16° 4 | 15°42 | 10°37 | n.a. | W18 |
| T 19 | 16 42 10 | 9°21'48 | 0♋40 | 5°31 | 23°45 | 21° 3 | 5°52 | 2° 3 | 6° 0 | 11°51 | 11°21 | 15°51 | 15°38 | 10°44 | n.a. | T 19 |
| F 20 | 16 46 7 | 10°19'13 | 12°52 | 6° 7 | 24°45 | 21°42 | 5°D52 | 2° 9 | 6° 0 | 11°50 | 11°21 | 15°40 | 15°35 | 10°50 | n.a. | F 20 |
| S 21 | 16 50 3 | 11°16'40 | 24°54 | 6°38 | 25°45 | 22°22 | 5°52 | 2°14 | 5°59 | 11°48 | 11°22 | 15°31 | 15°32 | 10°57 | n.a. | S 21 |
| S 22 | 16 54 0 | 12°14'08 | 6♌47 | 7° 5 | 26°46 | 23° 1 | 5°52 | 2°20 | 5°58 | 11°47 | 11°22 | 15°24 | 15°29 | 11° 4 | n.a. | S 22 |
| M23 | 16 57 56 | 13°11'37 | 18°36 | 7°28 | 27°47 | 23°40 | 5°53 | 2°25 | 5°58 | 11°46 | 11°23 | 15°20 | 15°26 | 11°10 | n.a. | M23 |
| T 24 | 17 1 53 | 14° 9'07 | 0♍25 | 7°46 | 28°48 | 24°19 | 5°53 | 2°31 | 5°58 | 11°44 | 11°23 | 15°19 | 15°22 | 11°17 | n.a. | T 24 |
| W25 | 17 5 49 | 15° 6'37 | 12°18 | 7°59 | 29°50 | 24°58 | 5°54 | 2°36 | 5°57 | 11°43 | 11°24 | 15°18 | 15°19 | 11°24 | n.a. | W25 |
| T 26 | 17 9 46 | 16° 4'09 | 24°22 | 8° 7 | 0♉52 | 25°37 | 5°55 | 2°42 | 5°57 | 11°42 | 11°25 | 15°18 | 15°16 | 11°30 | n.a. | T 26 |
| F 27 | 17 13 42 | 17° 1'43 | 6♎42 | 8°R10 | 1°54 | 26°16 | 5°57 | 2°48 | 5°57 | 11°40 | 11°25 | 15°17 | 15°13 | 11°37 | n.a. | F 27 |
| S 28 | 17 17 39 | 17°59'17 | 19°22 | 8° 8 | 2°56 | 26°54 | 5°58 | 2°54 | 5°56 | 11°39 | 11°26 | 15°15 | 15°10 | 11°44 | n.a. | S 28 |
| S 29 | 17 21 36 | 18°56'52 | 2♏27 | 8° 0 | 3°59 | 27°33 | 6° 0 | 2°59 | 5°56 | 11°38 | 11°27 | 15° 9 | 15° 7 | 11°50 | n.a. | S 29 |
| M30 | 17 25 32 | 19♊54'29 | 15♏59 | 7♋46 | 5♉ 2 | 28♈12 | 6♎ 2 | 3♌ 5 | 5♎56 | 11♏37 | 11♍27 | 15♍ 2 | 15♍ 3 | 11♌57 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n41 | 6s50 | 3n 1 | 24n40 | 1n30 | 0n 9 | 2s56 | 2n53 | 0s50 | 1s24 | 1n17 | 22n14 | 1n52 | 2s 1 | 0n36 | 14s20 | 1n35 | 22n55 | 16n52 | 4n53 | 5n24 | 15n23 | | n.a. |
| M 2 | 18 56 | 10 43 | 3 53 | 24 43 | 1 24 | 0 28 | 2 58 | 3 10 | 0 50 | 1 23 | 1 17 | 22 13 | 1 52 | 2 0 | 0 36 | 14 20 | 1 35 | 22 54 | 16 51 | 4 55 | 5 25 | 15 22 | | n.a. |
| T 3 | 19 10 | 14 8 | 4 32 | 24 44 | 1 17 | 0 47 | 3 0 | 3 26 | 0 49 | 1 22 | 1 17 | 22 12 | 1 52 | 2 0 | 0 36 | 14 19 | 1 35 | 22 54 | 16 50 | 4 59 | 5 26 | 15 21 | | n.a. |
| W 4 | 19 24 | 16 48 | 4 56 | 24 43 | 1 10 | 1 7 | 3 1 | 3 43 | 0 49 | 1 22 | 1 16 | 22 11 | 1 51 | 1 59 | 0 36 | 14 19 | 1 35 | 22 53 | 16 50 | 5 3 | 5 27 | 15 20 | | n.a. |
| T 5 | 19 38 | 18 30 | 5 2 | 24 41 | 1 2 | 1 26 | 3 3 | 4 0 | 0 48 | 1 21 | 1 16 | 22 10 | 1 51 | 1 59 | 0 36 | 14 18 | 1 35 | 22 53 | 16 49 | 5 7 | 5 29 | 15 19 | | n.a. |
| F 6 | 19 52 | 19 2 | 4 49 | 24 38 | 0 54 | 1 46 | 3 4 | 4 16 | 0 48 | 1 20 | 1 16 | 22 9 | 1 51 | 1 58 | 0 36 | 14 18 | 1 35 | 22 52 | 16 49 | 5 11 | 5 30 | 15 18 | | n.a. |
| S 7 | 20 5 | 18 19 | 4 18 | 24 33 | 0 46 | 2 7 | 3 5 | 4 33 | 0 47 | 1 19 | 1 15 | 22 7 | 1 51 | 1 58 | 0 36 | 14 17 | 1 35 | 22 52 | 16 48 | 5 14 | 5 31 | 15 17 | | n.a. |
| S 8 | 20 18 | 16 26 | 3 30 | 24 27 | 0 37 | 2 28 | 3 6 | 4 49 | 0 47 | 1 19 | 1 15 | 22 6 | 1 51 | 1 57 | 0 36 | 14 17 | 1 35 | 22 51 | 16 47 | 5 15 | 5 32 | 15 16 | | n.a. |
| M 9 | 20 31 | 13 32 | 2 29 | 24 20 | 0 27 | 2 49 | 3 7 | 5 5 | 0 46 | 1 18 | 1 15 | 22 5 | 1 51 | 1 57 | 0 36 | 14 16 | 1 35 | 22 51 | 16 47 | 5 16 | 5 34 | 15 15 | | n.a. |
| T 10 | 20 43 | 9 52 | 1 20 | 24 12 | 0 18 | 3 10 | 3 8 | 5 22 | 0 46 | 1 18 | 1 15 | 22 4 | 1 51 | 1 56 | 0 36 | 14 16 | 1 35 | 22 50 | 16 46 | 5 16 | 5 35 | 15 14 | | n.a. |
| W11 | 20 55 | 5 41 | 0 7 | 24 2 | 0 8 | 3 31 | 3 9 | 5 38 | 0 45 | 1 17 | 1 14 | 22 3 | 1 51 | 1 56 | 0 36 | 14 15 | 1 35 | 22 50 | 16 46 | 5 16 | 5 36 | 15 12 | | n.a. |
| T 12 | 21 7 | 1 15 | 1s 6 | 23 52 | 0s 3 | 3 53 | 3 9 | 5 54 | 0 45 | 1 17 | 1 14 | 22 2 | 1 51 | 1 56 | 0 36 | 14 15 | 1 34 | 22 49 | 16 45 | 5 17 | 5 37 | 15 11 | | n.a. |
| F 13 | 21 18 | 3n11 | 2 14 | 23 41 | 0 14 | 4 15 | 3 9 | 6 10 | 0 44 | 1 17 | 1 14 | 22 0 | 1 51 | 1 55 | 0 35 | 14 15 | 1 34 | 22 49 | 16 45 | 5 17 | 5 39 | 15 10 | | n.a. |
| S 14 | 21 29 | 7 24 | 3 13 | 23 30 | 0 25 | 4 37 | 3 9 | 6 26 | 0 43 | 1 16 | 1 13 | 21 59 | 1 50 | 1 55 | 0 35 | 14 14 | 1 34 | 22 48 | 16 44 | 5 19 | 5 40 | 15 9 | | n.a. |
| S 15 | 21 39 | 11 12 | 4 1 | 23 17 | 0 36 | 4 59 | 3 9 | 6 42 | 0 43 | 1 16 | 1 13 | 21 58 | 1 50 | 1 55 | 0 35 | 14 14 | 1 34 | 22 47 | 16 43 | 5 22 | 5 41 | 15 8 | | n.a. |
| M16 | 21 50 | 14 23 | 4 36 | 23 5 | 0 48 | 5 22 | 3 9 | 6 58 | 0 42 | 1 16 | 1 13 | 21 57 | 1 50 | 1 54 | 0 35 | 14 13 | 1 34 | 22 47 | 16 43 | 5 26 | 5 43 | 15 7 | | n.a. |
| T 17 | 21 59 | 16 49 | 4 55 | 22 51 | 1 0 | 5 44 | 3 9 | 7 14 | 0 42 | 1 16 | 1 12 | 21 55 | 1 50 | 1 54 | 0 35 | 14 13 | 1 34 | 22 46 | 16 42 | 5 31 | 5 44 | 15 6 | | n.a. |
| W18 | 22 9 | 18 24 | 5 0 | 22 38 | 1 12 | 6 7 | 3 8 | 7 29 | 0 41 | 1 17 | 1 12 | 21 54 | 1 50 | 1 54 | 0 35 | 14 12 | 1 34 | 22 45 | 16 42 | 5 36 | 5 45 | 15 5 | | n.a. |
| T 19 | 22 18 | 19 4 | 4 51 | 22 24 | 1 25 | 6 30 | 3 8 | 7 45 | 0 41 | 1 17 | 1 12 | 21 53 | 1 50 | 1 54 | 0 35 | 14 12 | 1 34 | 22 45 | 16 41 | 5 41 | 5 46 | 15 3 | | n.a. |
| F 20 | 22 26 | 18 50 | 4 28 | 22 9 | 1 37 | 6 53 | 3 7 | 8 0 | 0 40 | 1 17 | 1 11 | 21 52 | 1 50 | 1 53 | 0 35 | 14 12 | 1 34 | 22 44 | 16 40 | 5 46 | 5 48 | 15 2 | | n.a. |
| S 21 | 22 35 | 17 45 | 3 53 | 21 55 | 1 50 | 7 16 | 3 6 | 8 16 | 0 39 | 1 17 | 1 11 | 21 50 | 1 50 | 1 53 | 0 35 | 14 11 | 1 34 | 22 43 | 16 40 | 5 49 | 5 49 | 15 1 | | n.a. |
| S 22 | 22 43 | 15 54 | 3 9 | 21 41 | 2 3 | 7 39 | 3 5 | 8 31 | 0 39 | 1 18 | 1 11 | 21 49 | 1 50 | 1 53 | 0 35 | 14 11 | 1 34 | 22 43 | 16 39 | 5 52 | 5 50 | 15 0 | | n.a. |
| M23 | 22 50 | 13 24 | 2 16 | 21 27 | 2 16 | 8 2 | 3 4 | 8 47 | 0 38 | 1 18 | 1 11 | 21 48 | 1 50 | 1 53 | 0 35 | 14 11 | 1 34 | 22 42 | 16 39 | 5 53 | 5 51 | 14 59 | | n.a. |
| T 24 | 22 57 | 10 20 | 1 18 | 21 13 | 2 29 | 8 25 | 3 3 | 9 2 | 0 38 | 1 19 | 1 10 | 21 46 | 1 50 | 1 53 | 0 35 | 14 10 | 1 34 | 22 41 | 16 38 | 5 54 | 5 53 | 14 58 | | n.a. |
| W25 | 23 4 | 6 50 | 0 16 | 20 59 | 2 41 | 8 49 | 3 1 | 9 17 | 0 37 | 1 19 | 1 10 | 21 45 | 1 50 | 1 53 | 0 35 | 14 10 | 1 34 | 22 40 | 16 37 | 5 54 | 5 54 | 14 57 | | n.a. |
| T 26 | 23 10 | 3 1 | 0n48 | 20 46 | 2 54 | 9 12 | 3 0 | 9 32 | 0 36 | 1 20 | 1 10 | 21 43 | 1 49 | 1 52 | 0 35 | 14 9 | 1 34 | 22 39 | 16 37 | 5 54 | 5 55 | 14 55 | | n.a. |
| F 27 | 23 16 | 1s 1 | 1 51 | 20 34 | 3 6 | 9 35 | 2 58 | 9 47 | 0 36 | 1 21 | 1 9 | 21 42 | 1 49 | 1 52 | 0 35 | 14 9 | 1 34 | 22 39 | 16 36 | 5 55 | 5 56 | 14 54 | | n.a. |
| S 28 | 23 22 | 5 7 | 2 50 | 20 22 | 3 18 | 9 58 | 2 57 | 10 2 | 0 35 | 1 22 | 1 9 | 21 40 | 1 49 | 1 52 | 0 35 | 14 9 | 1 34 | 22 38 | 16 36 | 5 56 | 5 58 | 14 53 | | n.a. |
| S 29 | 23 27 | 9 6 | 3 42 | 20 11 | 3 30 | 10 21 | 2 55 | 10 16 | 0 35 | 1 23 | 1 9 | 21 39 | 1 49 | 1 52 | 0 35 | 14 8 | 1 34 | 22 37 | 16 35 | 5 58 | 5 59 | 14 52 | | n.a. |
| M30 | 23n31 | 12s45 | 4n24 | 20n 1 | 3s41 | 10n45 | 2s53 | 10n31 | 0s34 | 1s24 | 1n 8 | 21n38 | 1n49 | 1s52 | 0n35 | 14s 8 | 1n34 | 22n36 | 16n34 | 6n 1 | 6n 0 | 14n51 | | n.a. |

Julian Day Number = 1002762.5, Delta T = 12h49m13s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'04, Lahiri = -31°05'04 Julian Calendar 1 June 1968 BCE == Greg. Calendar 15 May 1968 BCE

The year -1967 astronomical counting style corresponds to year 1968 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## JULY 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 29 29 | 20♊52'07 | 29♏57 | 7°R27 | 6♉ 5 | 28♈50 | 6♎ 4 | 3♌11 | 5°R56 | 11°R36 | 11♍28 | 14°R52 | 15♍ 0 | 12♌ 4 | n.a. | T 1 |
| W 2 | 17 33 25 | 21°49'47 | 14♐19 | 7♋ 3 | 7° 9 | 29°29 | 6° 6 | 3°17 | 5°D56 | 11♏34 | 11°29 | 14♍41 | 14°57 | 12°10 | n.a. | W 2 |
| T 3 | 17 37 22 | 22°47'28 | 29° 0 | 6°33 | 8°13 | 0♉ 7 | 6° 8 | 3°23 | 5♎56 | 11°33 | 11°30 | 14°30 | 14°54 | 12°17 | n.a. | T 3 |
| F 4 | 17 41 18 | 23°45'11 | 13♑50 | 5°58 | 9°17 | 0°45 | 6°11 | 3°29 | 5°56 | 11°32 | 11°30 | 14°20 | 14°51 | 12°24 | n.a. | F 4 |
| S 5 | 17 45 15 | 24°42'55 | 28°42 | 5°18 | 10°21 | 1°23 | 6°13 | 3°36 | 5°56 | 11°31 | 11°31 | 14°12 | 14°48 | 12°30 | n.a. | S 5 |
| S 6 | 17 49 11 | 25°40'42 | 13♒28 | 4°34 | 11°26 | 2° 1 | 6°16 | 3°42 | 5°56 | 11°30 | 11°32 | 14° 7 | 14°44 | 12°37 | n.a. | S 6 |
| M 7 | 17 53 8 | 26°38'30 | 28° 1 | 3°47 | 12°30 | 2°39 | 6°19 | 3°48 | 5°57 | 11°29 | 11°33 | 14° 4 | 14°41 | 12°44 | n.a. | M 7 |
| T 8 | 17 57 5 | 27°36'20 | 12♓17 | 2°56 | 13°35 | 3°17 | 6°22 | 3°54 | 5°57 | 11°28 | 11°34 | 14°D 3 | 14°38 | 12°50 | n.a. | T 8 |
| W 9 | 18 1 1 | 28°34'12 | 26°16 | 2° 4 | 14°41 | 3°55 | 6°26 | 4° 1 | 5°57 | 11°27 | 11°35 | 14°R 3 | 14°35 | 12°57 | n.a. | W 9 |
| T 10 | 18 4 58 | 29°32'06 | 9♈57 | 1°10 | 15°46 | 4°33 | 6°29 | 4° 7 | 5°58 | 11°26 | 11°36 | 14° 3 | 14°32 | 13° 4 | n.a. | T 10 |
| F 11 | 18 8 54 | 0♋30'02 | 23°22 | 0°16 | 16°52 | 5°11 | 6°33 | 4°14 | 5°58 | 11°25 | 11°37 | 14° 1 | 14°28 | 13°10 | n.a. | F 11 |
| S 12 | 18 12 51 | 1°28'00 | 6♉32 | 29♊24 | 17°58 | 5°48 | 6°37 | 4°20 | 5°59 | 11°24 | 11°39 | 13°57 | 14°25 | 13°17 | n.a. | S 12 |
| S 13 | 18 16 47 | 2°26'00 | 19°28 | 28°33 | 19° 4 | 6°26 | 6°41 | 4°27 | 5°59 | 11°23 | 11°40 | 13°50 | 14°22 | 13°24 | n.a. | S 13 |
| M14 | 18 20 44 | 3°24'02 | 2♊13 | 27°46 | 20°10 | 7° 3 | 6°45 | 4°33 | 6° 0 | 11°23 | 11°41 | 13°40 | 14°19 | 13°30 | n.a. | M14 |
| T 15 | 18 24 40 | 4°22'06 | 14°46 | 27° 3 | 21°17 | 7°40 | 6°50 | 4°40 | 6° 1 | 11°22 | 11°42 | 13°29 | 14°16 | 13°37 | n.a. | T 15 |
| W16 | 18 28 37 | 5°20'12 | 27° 9 | 26°26 | 22°23 | 8°18 | 6°55 | 4°46 | 6° 1 | 11°21 | 11°43 | 13°17 | 14°13 | 13°44 | n.a. | W16 |
| T 17 | 18 32 34 | 6°18'20 | 9♋21 | 25°55 | 23°30 | 8°55 | 6°59 | 4°53 | 6° 2 | 11°20 | 11°45 | 13° 4 | 14° 9 | 13°50 | n.a. | T 17 |
| F 18 | 18 36 30 | 7°16'30 | 21°25 | 25°30 | 24°37 | 9°32 | 7° 4 | 5° 0 | 6° 3 | 11°20 | 11°46 | 12°54 | 14° 6 | 13°57 | n.a. | F 18 |
| S 19 | 18 40 27 | 8°14'42 | 3♌20 | 25°13 | 25°45 | 10° 9 | 7° 9 | 5° 6 | 6° 4 | 11°19 | 11°47 | 12°45 | 14° 3 | 14° 4 | n.a. | S 19 |
| S 20 | 18 44 23 | 9°12'56 | 15°10 | 25° 5 | 26°52 | 10°46 | 7°15 | 5°13 | 6° 5 | 11°18 | 11°49 | 12°39 | 14° 0 | 14°10 | n.a. | S 20 |
| M21 | 18 48 20 | 10°11'11 | 26°56 | 25°D 4 | 28° 0 | 11°22 | 7°20 | 5°20 | 6° 6 | 11°17 | 11°50 | 12°35 | 13°57 | 14°17 | n.a. | M21 |
| T 22 | 18 52 16 | 11° 9'28 | 8♍44 | 25°13 | 29° 7 | 11°59 | 7°26 | 5°27 | 6° 7 | 11°17 | 11°51 | 12°D34 | 13°54 | 14°24 | n.a. | T 22 |
| W23 | 18 56 13 | 12° 7'47 | 20°36 | 25°30 | 0♊15 | 12°36 | 7°31 | 5°34 | 6° 8 | 11°16 | 11°53 | 12°34 | 13°50 | 14°30 | n.a. | W23 |
| T 24 | 19 0 9 | 13° 6'07 | 2♎38 | 25°55 | 1°23 | 13°12 | 7°37 | 5°41 | 6° 9 | 11°16 | 11°54 | 12°35 | 13°47 | 14°37 | n.a. | T 24 |
| F 25 | 19 4 6 | 14° 4'30 | 14°55 | 26°29 | 2°32 | 13°48 | 7°43 | 5°47 | 6°10 | 11°15 | 11°56 | 12°R35 | 13°44 | 14°44 | n.a. | F 25 |
| S 26 | 19 8 3 | 15° 2'54 | 27°33 | 27°12 | 3°40 | 14°25 | 7°49 | 5°54 | 6°11 | 11°15 | 11°57 | 12°34 | 13°41 | 14°50 | n.a. | S 26 |
| S 27 | 19 11 59 | 16° 1'20 | 10♏35 | 28° 2 | 4°48 | 15° 1 | 7°56 | 6° 1 | 6°12 | 11°14 | 11°59 | 12°32 | 13°38 | 14°57 | n.a. | S 27 |
| M28 | 19 15 56 | 16°59'47 | 24° 5 | 29° 0 | 5°57 | 15°37 | 8° 2 | 6° 8 | 6°14 | 11°14 | 12° 1 | 12°27 | 13°34 | 15° 4 | n.a. | M28 |
| T 29 | 19 19 52 | 17°58'17 | 8♐ 5 | 0♋ 6 | 7° 6 | 16°13 | 8° 9 | 6°15 | 6°15 | 11°13 | 12° 2 | 12°20 | 13°31 | 15°10 | n.a. | T 29 |
| W30 | 19 23 49 | 18°56'48 | 22°32 | 1°17 | 8°15 | 16°49 | 8°16 | 6°22 | 6°17 | 11°13 | 12° 4 | 12°12 | 13°28 | 15°17 | n.a. | W30 |
| T 31 | 19 27 45 | 19♋55'22 | 7♑23 | 2♋35 | 9♊24 | 17♉25 | 8♎22 | 6♌29 | 6♎18 | 11♏13 | 12♍ 6 | 12♍ 4 | 13♍25 | 15♌24 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 23n36 | 15s48 | 4n51 | 19n52 | 3s51 | 11n 8 | 2s51 | 10n46 | 0s33 | 1s25 | 1n 8 | 21n36 | 1n49 | 1s52 | 0n35 | 14s 8 | 1n34 | 22n35 | 16n34 | 6n 5 | 6n 1 | 14n50 | | n.a. |
| W 2 | 23 40 | 18 0 | 5 1 | 19 44 | 4 0 | 11 31 | 2 49 | 11 0 | 0 33 | 1 26 | 1 8 | 21 35 | 1 49 | 1 52 | 0 35 | 14 7 | 1 34 | 22 35 | 16 33 | 6 9 | 6 3 | 14 49 | | n.a. |
| T 3 | 23 43 | 19 3 | 4 52 | 19 37 | 4 8 | 11 54 | 2 47 | 11 14 | 0 32 | 1 27 | 1 7 | 21 33 | 1 49 | 1 52 | 0 35 | 14 7 | 1 34 | 22 34 | 16 33 | 6 13 | 6 4 | 14 47 | | n.a. |
| F 4 | 23 46 | 18 50 | 4 23 | 19 32 | 4 16 | 12 16 | 2 45 | 11 29 | 0 31 | 1 29 | 1 7 | 21 32 | 1 49 | 1 52 | 0 35 | 14 7 | 1 34 | 22 33 | 16 32 | 6 17 | 6 5 | 14 46 | | n.a. |
| S 5 | 23 49 | 17 19 | 3 36 | 19 27 | 4 21 | 12 39 | 2 43 | 11 43 | 0 31 | 1 30 | 1 7 | 21 30 | 1 49 | 1 52 | 0 35 | 14 7 | 1 34 | 22 32 | 16 32 | 6 20 | 6 6 | 14 45 | | n.a. |
| S 6 | 23 51 | 14 39 | 2 35 | 19 25 | 4 26 | 13 1 | 2 40 | 11 57 | 0 30 | 1 31 | 1 7 | 21 28 | 1 49 | 1 53 | 0 35 | 14 6 | 1 34 | 22 31 | 16 31 | 6 22 | 6 8 | 14 44 | | n.a. |
| M 7 | 23 52 | 11 5 | 1 24 | 19 24 | 4 28 | 13 24 | 2 38 | 12 11 | 0 29 | 1 33 | 1 6 | 21 27 | 1 49 | 1 53 | 0 35 | 14 6 | 1 34 | 22 30 | 16 30 | 6 23 | 6 9 | 14 43 | | n.a. |
| T 8 | 23 54 | 6 56 | 0 9 | 19 24 | 4 29 | 13 46 | 2 35 | 12 25 | 0 29 | 1 34 | 1 6 | 21 25 | 1 49 | 1 53 | 0 35 | 14 6 | 1 33 | 22 29 | 16 30 | 6 24 | 6 10 | 14 42 | | n.a. |
| W 9 | 23 55 | 2 30 | 1s 4 | 19 26 | 4 28 | 14 8 | 2 33 | 12 38 | 0 28 | 1 36 | 1 6 | 21 24 | 1 49 | 1 53 | 0 35 | 14 5 | 1 33 | 22 28 | 16 29 | 6 24 | 6 11 | 14 40 | | n.a. |
| T 10 | 23 55 | 1n59 | 2 13 | 19 30 | 4 25 | 14 30 | 2 30 | 12 52 | 0 27 | 1 38 | 1 5 | 21 22 | 1 49 | 1 53 | 0 34 | 14 5 | 1 33 | 22 27 | 16 29 | 6 24 | 6 13 | 14 39 | | n.a. |
| F 11 | 23 55 | 6 17 | 3 13 | 19 35 | 4 20 | 14 52 | 2 27 | 13 6 | 0 26 | 1 40 | 1 5 | 21 21 | 1 49 | 1 53 | 0 34 | 14 5 | 1 33 | 22 27 | 16 28 | 6 25 | 6 14 | 14 38 | | n.a. |
| S 12 | 23 55 | 10 11 | 4 1 | 19 41 | 4 14 | 15 13 | 2 24 | 13 19 | 0 26 | 1 41 | 1 5 | 21 19 | 1 49 | 1 54 | 0 34 | 14 5 | 1 33 | 22 26 | 16 28 | 6 26 | 6 15 | 14 37 | | n.a. |
| S 13 | 23 54 | 13 32 | 4 36 | 19 50 | 4 5 | 15 34 | 2 22 | 13 32 | 0 25 | 1 43 | 1 4 | 21 17 | 1 49 | 1 54 | 0 34 | 14 4 | 1 33 | 22 25 | 16 27 | 6 29 | 6 16 | 14 36 | | n.a. |
| M14 | 23 52 | 16 11 | 4 56 | 19 59 | 3 55 | 15 55 | 2 19 | 13 45 | 0 24 | 1 45 | 1 4 | 21 16 | 1 49 | 1 54 | 0 34 | 14 4 | 1 33 | 22 24 | 16 27 | 6 33 | 6 18 | 14 34 | | n.a. |
| T 15 | 23 51 | 18 2 | 5 2 | 20 10 | 3 43 | 16 16 | 2 16 | 13 59 | 0 24 | 1 47 | 1 4 | 21 14 | 1 49 | 1 55 | 0 34 | 14 4 | 1 33 | 22 23 | 16 26 | 6 37 | 6 19 | 14 33 | | n.a. |
| W16 | 23 48 | 19 0 | 4 54 | 20 23 | 3 29 | 16 36 | 2 13 | 14 11 | 0 23 | 1 50 | 1 4 | 21 12 | 1 49 | 1 55 | 0 34 | 14 4 | 1 33 | 22 22 | 16 26 | 6 42 | 6 20 | 14 32 | | n.a. |
| T 17 | 23 46 | 19 4 | 4 32 | 20 36 | 3 15 | 16 56 | 2 9 | 14 24 | 0 22 | 1 52 | 1 3 | 21 11 | 1 48 | 1 55 | 0 34 | 14 4 | 1 33 | 22 21 | 16 25 | 6 47 | 6 21 | 14 31 | | n.a. |
| F 18 | 23 43 | 18 16 | 3 58 | 20 51 | 2 59 | 17 16 | 2 6 | 14 37 | 0 21 | 1 54 | 1 3 | 21 9 | 1 48 | 1 56 | 0 34 | 14 3 | 1 33 | 22 20 | 16 24 | 6 51 | 6 23 | 14 30 | | n.a. |
| S 19 | 23 39 | 16 40 | 3 13 | 21 7 | 2 43 | 17 35 | 2 3 | 14 50 | 0 21 | 1 56 | 1 3 | 21 7 | 1 48 | 1 56 | 0 34 | 14 3 | 1 33 | 22 19 | 16 24 | 6 54 | 6 24 | 14 28 | | n.a. |
| S 20 | 23 35 | 14 22 | 2 21 | 21 24 | 2 26 | 17 54 | 2 0 | 15 2 | 0 20 | 1 59 | 1 2 | 21 6 | 1 48 | 1 56 | 0 34 | 14 3 | 1 33 | 22 18 | 16 23 | 6 57 | 6 25 | 14 27 | | n.a. |
| M21 | 23 31 | 11 29 | 1 23 | 21 41 | 2 8 | 18 13 | 1 57 | 15 14 | 0 19 | 2 1 | 1 2 | 21 4 | 1 48 | 1 57 | 0 34 | 14 3 | 1 33 | 22 17 | 16 23 | 6 58 | 6 26 | 14 26 | | n.a. |
| T 22 | 23 26 | 8 8 | 0 21 | 21 59 | 1 51 | 18 31 | 1 53 | 15 27 | 0 18 | 2 4 | 1 2 | 21 2 | 1 48 | 1 57 | 0 34 | 14 3 | 1 33 | 22 16 | 16 22 | 6 59 | 6 28 | 14 25 | | n.a. |
| W23 | 23 21 | 4 27 | 0n43 | 22 17 | 1 33 | 18 49 | 1 50 | 15 39 | 0 18 | 2 6 | 1 2 | 21 0 | 1 48 | 1 58 | 0 34 | 14 3 | 1 33 | 22 15 | 16 22 | 6 59 | 6 29 | 14 24 | | n.a. |
| T 24 | 23 15 | 0 32 | 1 46 | 22 36 | 1 15 | 19 7 | 1 46 | 15 51 | 0 17 | 2 9 | 1 1 | 20 59 | 1 48 | 1 58 | 0 34 | 14 3 | 1 33 | 22 14 | 16 21 | 6 58 | 6 30 | 14 22 | | n.a. |
| F 25 | 23 9 | 3s28 | 2 45 | 22 54 | 0 58 | 19 24 | 1 43 | 16 3 | 0 16 | 2 11 | 1 1 | 20 57 | 1 48 | 1 59 | 0 34 | 14 3 | 1 33 | 22 12 | 16 21 | 6 58 | 6 31 | 14 21 | | n.a. |
| S 26 | 23 3 | 7 26 | 3 37 | 23 12 | 0 42 | 19 41 | 1 40 | 16 14 | 0 15 | 2 14 | 1 1 | 20 55 | 1 48 | 1 59 | 0 34 | 14 2 | 1 33 | 22 11 | 16 20 | 6 58 | 6 33 | 14 20 | | n.a. |
| S 27 | 22 56 | 11 10 | 4 21 | 23 29 | 0 26 | 19 57 | 1 36 | 16 26 | 0 14 | 2 17 | 1 0 | 20 53 | 1 48 | 2 0 | 0 34 | 14 2 | 1 32 | 22 10 | 16 20 | 7 0 | 6 34 | 14 19 | | n.a. |
| M28 | 22 49 | 14 28 | 4 51 | 23 45 | 0 10 | 20 13 | 1 33 | 16 38 | 0 14 | 2 20 | 1 0 | 20 52 | 1 48 | 2 0 | 0 34 | 14 2 | 1 32 | 22 9 | 16 19 | 7 1 | 6 35 | 14 17 | | n.a. |
| T 29 | 22 41 | 17 4 | 5 6 | 24 0 | 0n 4 | 20 28 | 1 29 | 16 49 | 0 13 | 2 23 | 1 0 | 20 50 | 1 48 | 2 1 | 0 34 | 14 2 | 1 32 | 22 8 | 16 19 | 7 4 | 6 36 | 14 16 | | n.a. |
| W30 | 22 33 | 18 41 | 5 2 | 24 13 | 0 18 | 20 43 | 1 25 | 17 0 | 0 12 | 2 26 | 1 0 | 20 48 | 1 48 | 2 2 | 0 34 | 14 2 | 1 32 | 22 7 | 16 19 | 7 7 | 6 37 | 14 15 | | n.a. |
| T 31 | 22n24 | 19s 5 | 4n38 | 24n25 | 0n31 | 20n57 | 1s22 | 17n11 | 0s11 | 2s29 | 0n59 | 20n46 | 1n48 | 2s 2 | 0n34 | 14s 2 | 1n32 | 22n 6 | 16n18 | 7n10 | 6n39 | 14n14 | | n.a. |

Julian Day Number = 1002792.5, Delta T = 12h49m11s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°12'00, Lahiri = -31°05'00 Julian Calendar 1 July 1968 BCE == Greg. Calendar 14 June 1968 BCE

The year -1967 astronomical counting style corresponds to year 1968 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## AUGUST 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 31 42 | 20♋53'57 | 22♉28 | 3♋59 | 10♊33 | 18♉ 0 | 8♎29 | 6♌37 | 6♎20 | 11°R12 | 12♍ 7 | 11°R56 | 13♍22 | 15♌30 | n.a. | F 1 |
| S 2 | 19 35 38 | 21°52'35 | 7♒38 | 5°27 | 11°43 | 18°36 | 8°37 | 6°44 | 6°21 | 11♏12 | 12° 9 | 11♍51 | 13°19 | 15°37 | n.a. | S 2 |
| S 3 | 19 39 35 | 22°51'14 | 22°44 | 7° 0 | 12°52 | 19°11 | 8°44 | 6°51 | 6°23 | 11°12 | 12°11 | 11°47 | 13°15 | 15°44 | n.a. | S 3 |
| M 4 | 19 43 31 | 23°49'56 | 7♓36 | 8°37 | 14° 2 | 19°47 | 8°51 | 6°58 | 6°24 | 11°12 | 12°13 | 11°D46 | 13°12 | 15°50 | n.a. | M 4 |
| T 5 | 19 47 28 | 24°48'41 | 22° 8 | 10°16 | 15°12 | 20°22 | 8°59 | 7° 5 | 6°26 | 11°11 | 12°14 | 11°46 | 13° 9 | 15°57 | n.a. | T 5 |
| W 6 | 19 51 25 | 25°47'27 | 6♈18 | 11°59 | 16°22 | 20°57 | 9° 7 | 7°12 | 6°28 | 11°11 | 12°16 | 11°47 | 13° 6 | 16° 4 | n.a. | W 6 |
| T 7 | 19 55 21 | 26°46'17 | 20° 4 | 13°44 | 17°32 | 21°32 | 9°15 | 7°19 | 6°30 | 11°11 | 12°18 | 11°48 | 13° 3 | 16°10 | n.a. | T 7 |
| F 8 | 19 59 18 | 27°45'08 | 3♉28 | 15°30 | 18°42 | 22° 7 | 9°23 | 7°27 | 6°31 | 11°11 | 12°20 | 11°R48 | 12°59 | 16°17 | n.a. | F 8 |
| S 9 | 20 3 14 | 28°44'03 | 16°31 | 17°18 | 19°53 | 22°42 | 9°31 | 7°34 | 6°33 | 11°11 | 12°22 | 11°47 | 12°56 | 16°24 | n.a. | S 9 |
| S 10 | 20 7 11 | 29°42'59 | 29°17 | 19° 7 | 21° 3 | 23°16 | 9°39 | 7°41 | 6°35 | 11°D11 | 12°24 | 11°43 | 12°53 | 16°30 | n.a. | S 10 |
| M11 | 20 11 7 | 0♌41'59 | 11♊49 | 20°57 | 22°14 | 23°51 | 9°48 | 7°48 | 6°37 | 11°11 | 12°26 | 11°38 | 12°50 | 16°37 | n.a. | M11 |
| T 12 | 20 15 4 | 1°41'00 | 24° 8 | 22°47 | 23°25 | 24°25 | 9°56 | 7°55 | 6°39 | 11°11 | 12°28 | 11°31 | 12°47 | 16°44 | n.a. | T 12 |
| W13 | 20 19 0 | 2°40'04 | 6♋17 | 24°37 | 24°36 | 25° 0 | 10° 5 | 8° 3 | 6°41 | 11°11 | 12°30 | 11°24 | 12°44 | 16°50 | n.a. | W13 |
| T 14 | 20 22 57 | 3°39'11 | 18°18 | 26°27 | 25°47 | 25°34 | 10°14 | 8°10 | 6°43 | 11°11 | 12°32 | 11°17 | 12°40 | 16°57 | n.a. | T 14 |
| F 15 | 20 26 53 | 4°38'19 | 0♌13 | 28°17 | 26°58 | 26° 8 | 10°22 | 8°17 | 6°46 | 11°11 | 12°34 | 11°10 | 12°37 | 17° 4 | n.a. | F 15 |
| S 16 | 20 30 50 | 5°37'30 | 12° 4 | 0♌ 7 | 28° 9 | 26°42 | 10°31 | 8°24 | 6°48 | 11°12 | 12°36 | 11° 5 | 12°34 | 17°10 | n.a. | S 16 |
| S 17 | 20 34 47 | 6°36'43 | 23°51 | 1°56 | 29°20 | 27°16 | 10°41 | 8°32 | 6°50 | 11°12 | 12°38 | 11° 2 | 12°31 | 17°17 | n.a. | S 17 |
| M18 | 20 38 43 | 7°35'58 | 5♍38 | 3°45 | 0♋32 | 27°49 | 10°50 | 8°39 | 6°52 | 11°12 | 12°40 | 11°D 0 | 12°28 | 17°24 | n.a. | M18 |
| T 19 | 20 42 40 | 8°35'15 | 17°28 | 5°33 | 1°43 | 28°23 | 10°59 | 8°46 | 6°55 | 11°12 | 12°42 | 11° 1 | 12°25 | 17°30 | n.a. | T 19 |
| W20 | 20 46 36 | 9°34'35 | 29°22 | 7°20 | 2°55 | 28°56 | 11° 9 | 8°54 | 6°57 | 11°13 | 12°44 | 11° 2 | 12°21 | 17°37 | n.a. | W20 |
| T 21 | 20 50 33 | 10°33'56 | 11♎26 | 9° 7 | 4° 7 | 29°29 | 11°18 | 9° 1 | 7° 0 | 11°13 | 12°46 | 11° 3 | 12°18 | 17°44 | n.a. | T 21 |
| F 22 | 20 54 29 | 11°33'19 | 23°43 | 10°53 | 5°19 | 0♊ 2 | 11°28 | 9° 8 | 7° 2 | 11°13 | 12°48 | 11° 5 | 12°15 | 17°50 | n.a. | F 22 |
| S 23 | 20 58 26 | 12°32'44 | 6♏18 | 12°38 | 6°31 | 0°35 | 11°38 | 9°15 | 7° 4 | 11°14 | 12°50 | 11° 6 | 12°12 | 17°57 | n.a. | S 23 |
| S 24 | 21 2 22 | 13°32'11 | 19°15 | 14°23 | 7°43 | 1° 8 | 11°48 | 9°23 | 7° 7 | 11°14 | 12°53 | 11°R 6 | 12° 9 | 18° 4 | n.a. | S 24 |
| M25 | 21 6 19 | 14°31'41 | 2♐38 | 16° 7 | 8°55 | 1°41 | 11°58 | 9°30 | 7°10 | 11°15 | 12°55 | 11° 5 | 12° 5 | 18°10 | n.a. | M25 |
| T 26 | 21 10 15 | 15°31'12 | 16°29 | 17°50 | 10° 7 | 2°13 | 12° 8 | 9°37 | 7°12 | 11°15 | 12°57 | 11° 3 | 12° 2 | 18°17 | n.a. | T 26 |
| W27 | 21 14 12 | 16°30'45 | 0♑48 | 19°32 | 11°19 | 2°46 | 12°18 | 9°44 | 7°15 | 11°16 | 12°59 | 11° 0 | 11°59 | 18°24 | n.a. | W27 |
| T 28 | 21 18 9 | 17°30'20 | 15°32 | 21°13 | 12°32 | 3°18 | 12°28 | 9°52 | 7°17 | 11°16 | 13° 2 | 10°56 | 11°56 | 18°30 | n.a. | T 28 |
| F 29 | 21 22 5 | 18°29'57 | 0♒35 | 22°54 | 13°44 | 3°50 | 12°39 | 9°59 | 7°20 | 11°17 | 13° 4 | 10°53 | 11°53 | 18°37 | n.a. | F 29 |
| S 30 | 21 26 2 | 19°29'36 | 15°48 | 24°34 | 14°57 | 4°22 | 12°49 | 10° 6 | 7°23 | 11°18 | 13° 6 | 10°51 | 11°50 | 18°44 | n.a. | S 30 |
| S 31 | 21 29 58 | 20♌29'17 | 1♓ 3 | 26♌14 | 16♋10 | 4♊54 | 13♎ 0 | 10♌13 | 7♎26 | 11♏18 | 13♍ 8 | 10♍50 | 11♍46 | 18♌50 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n15 | 18s10 | 3n54 | 24n34 | 0n43 | 21n11 | 1s18 | 17n22 | 0s10 | 2s32 | 0n59 | 20n44 | 1n48 | 2s 3 | 0n34 | 14s 2 | 1n32 | 22n 5 | 16n18 | 7n13 | 6n40 | 14n13 | | n.a. |
| S 2 | 22 6 | 15 56 | 2 53 | 24 42 | 0 54 | 21 25 | 1 15 | 17 33 | 0 9 | 2 35 | 0 59 | 20 42 | 1 48 | 2 3 | 0 34 | 14 2 | 1 32 | 22 4 | 16 17 | 7 15 | 6 41 | 14 11 | | n.a. |
| S 3 | 21 56 | 12 37 | 1 41 | 24 47 | 1 4 | 21 37 | 1 11 | 17 44 | 0 9 | 2 38 | 0 59 | 20 41 | 1 48 | 2 4 | 0 34 | 14 2 | 1 32 | 22 3 | 16 17 | 7 17 | 6 42 | 14 10 | | n.a. |
| M 4 | 21 46 | 8 32 | 0 22 | 24 50 | 1 13 | 21 50 | 1 7 | 17 54 | 0 8 | 2 41 | 0 58 | 20 39 | 1 48 | 2 5 | 0 34 | 14 2 | 1 32 | 22 2 | 16 16 | 7 17 | 6 44 | 14 9 | | n.a. |
| T 5 | 21 36 | 4 2 | 0s56 | 24 51 | 1 20 | 22 1 | 1 4 | 18 5 | 0 7 | 2 45 | 0 58 | 20 37 | 1 48 | 2 6 | 0 34 | 14 2 | 1 32 | 22 1 | 16 16 | 7 17 | 6 45 | 14 8 | | n.a. |
| W 6 | 21 25 | 0n35 | 2 9 | 24 49 | 1 27 | 22 12 | 1 0 | 18 15 | 0 6 | 2 48 | 0 58 | 20 35 | 1 48 | 2 6 | 0 33 | 14 2 | 1 32 | 21 59 | 16 15 | 7 17 | 6 46 | 14 6 | | n.a. |
| T 7 | 21 13 | 5 2 | 3 12 | 24 44 | 1 33 | 22 23 | 0 56 | 18 25 | 0 5 | 2 51 | 0 58 | 20 33 | 1 48 | 2 7 | 0 33 | 14 2 | 1 32 | 21 58 | 16 15 | 7 16 | 6 47 | 14 5 | | n.a. |
| F 8 | 21 2 | 9 7 | 4 4 | 24 37 | 1 38 | 22 33 | 0 53 | 18 36 | 0 4 | 2 55 | 0 57 | 20 31 | 1 48 | 2 8 | 0 33 | 14 2 | 1 32 | 21 57 | 16 15 | 7 16 | 6 49 | 14 4 | | n.a. |
| S 9 | 20 49 | 12 38 | 4 41 | 24 28 | 1 42 | 22 42 | 0 49 | 18 45 | 0 3 | 2 58 | 0 57 | 20 30 | 1 49 | 2 9 | 0 33 | 14 2 | 1 32 | 21 56 | 16 14 | 7 17 | 6 50 | 14 3 | | n.a. |
| S 10 | 20 37 | 15 29 | 5 3 | 24 16 | 1 46 | 22 51 | 0 46 | 18 55 | 0 3 | 3 2 | 0 57 | 20 28 | 1 49 | 2 9 | 0 33 | 14 2 | 1 32 | 21 55 | 16 14 | 7 18 | 6 51 | 14 1 | | n.a. |
| M11 | 20 24 | 17 32 | 5 10 | 24 2 | 1 48 | 22 59 | 0 42 | 19 5 | 0 2 | 3 5 | 0 57 | 20 26 | 1 49 | 2 10 | 0 33 | 14 2 | 1 32 | 21 54 | 16 13 | 7 20 | 6 52 | 14 0 | | n.a. |
| T 12 | 20 11 | 18 45 | 5 3 | 23 45 | 1 50 | 23 7 | 0 38 | 19 15 | 0 1 | 3 9 | 0 56 | 20 24 | 1 49 | 2 11 | 0 33 | 14 2 | 1 32 | 21 53 | 16 13 | 7 23 | 6 54 | 13 59 | | n.a. |
| W13 | 19 57 | 19 5 | 4 42 | 23 27 | 1 51 | 23 14 | 0 35 | 19 24 | 0n 0 | 3 13 | 0 56 | 20 22 | 1 49 | 2 12 | 0 33 | 14 2 | 1 31 | 21 52 | 16 13 | 7 26 | 6 55 | 13 57 | | n.a. |
| T 14 | 19 43 | 18 32 | 4 8 | 23 6 | 1 51 | 23 20 | 0 31 | 19 33 | 0 1 | 3 16 | 0 56 | 20 20 | 1 49 | 2 13 | 0 33 | 14 2 | 1 31 | 21 50 | 16 12 | 7 29 | 6 56 | 13 56 | | n.a. |
| F 15 | 19 29 | 17 11 | 3 24 | 22 44 | 1 51 | 23 25 | 0 28 | 19 42 | 0 2 | 3 20 | 0 56 | 20 18 | 1 49 | 2 14 | 0 33 | 14 3 | 1 31 | 21 49 | 16 12 | 7 31 | 6 57 | 13 55 | | n.a. |
| S 16 | 19 14 | 15 6 | 2 32 | 22 19 | 1 50 | 23 30 | 0 24 | 19 51 | 0 3 | 3 24 | 0 55 | 20 16 | 1 49 | 2 15 | 0 33 | 14 3 | 1 31 | 21 48 | 16 12 | 7 33 | 6 59 | 13 54 | | n.a. |
| S 17 | 18 59 | 12 23 | 1 33 | 21 53 | 1 48 | 23 35 | 0 20 | 20 0 | 0 4 | 3 28 | 0 55 | 20 14 | 1 49 | 2 16 | 0 33 | 14 3 | 1 31 | 21 47 | 16 11 | 7 34 | 7 0 | 13 52 | | n.a. |
| M18 | 18 44 | 9 10 | 0 29 | 21 26 | 1 47 | 23 38 | 0 17 | 20 9 | 0 5 | 3 32 | 0 55 | 20 12 | 1 49 | 2 17 | 0 33 | 14 3 | 1 31 | 21 46 | 16 11 | 7 35 | 7 1 | 13 51 | | n.a. |
| T 19 | 18 29 | 5 35 | 0n35 | 20 56 | 1 44 | 23 41 | 0 13 | 20 18 | 0 6 | 3 36 | 0 55 | 20 11 | 1 49 | 2 18 | 0 33 | 14 3 | 1 31 | 21 45 | 16 11 | 7 35 | 7 2 | 13 50 | | n.a. |
| W20 | 18 13 | 1 46 | 1 39 | 20 26 | 1 41 | 23 43 | 0 10 | 20 26 | 0 7 | 3 40 | 0 55 | 20 9 | 1 49 | 2 19 | 0 33 | 14 3 | 1 31 | 21 44 | 16 10 | 7 34 | 7 4 | 13 49 | | n.a. |
| T 21 | 17 56 | 2s10 | 2 39 | 19 54 | 1 38 | 23 45 | 0 7 | 20 34 | 0 8 | 3 44 | 0 54 | 20 7 | 1 49 | 2 20 | 0 33 | 14 3 | 1 31 | 21 42 | 16 10 | 7 34 | 7 5 | 13 47 | | n.a. |
| F 22 | 17 40 | 6 5 | 3 34 | 19 22 | 1 34 | 23 45 | 0 3 | 20 43 | 0 9 | 3 48 | 0 54 | 20 5 | 1 49 | 2 21 | 0 33 | 14 4 | 1 31 | 21 41 | 16 10 | 7 33 | 7 6 | 13 46 | | n.a. |
| S 23 | 17 23 | 9 49 | 4 19 | 18 48 | 1 30 | 23 46 | 0n 0 | 20 51 | 0 10 | 3 52 | 0 54 | 20 3 | 1 49 | 2 22 | 0 33 | 14 4 | 1 31 | 21 40 | 16 9 | 7 33 | 7 7 | 13 45 | | n.a. |
| S 24 | 17 6 | 13 12 | 4 52 | 18 13 | 1 26 | 23 45 | 0 4 | 20 59 | 0 11 | 3 56 | 0 54 | 20 1 | 1 49 | 2 23 | 0 33 | 14 4 | 1 31 | 21 39 | 16 9 | 7 33 | 7 8 | 13 43 | | n.a. |
| M25 | 16 48 | 16 1 | 5 11 | 17 37 | 1 22 | 23 44 | 0 7 | 21 6 | 0 12 | 4 0 | 0 53 | 19 59 | 1 49 | 2 24 | 0 33 | 14 4 | 1 31 | 21 38 | 16 9 | 7 33 | 7 10 | 13 42 | | n.a. |
| T 26 | 16 30 | 18 1 | 5 13 | 17 1 | 1 17 | 23 42 | 0 10 | 21 14 | 0 13 | 4 4 | 0 53 | 19 57 | 1 49 | 2 25 | 0 33 | 14 4 | 1 31 | 21 37 | 16 8 | 7 34 | 7 11 | 13 41 | | n.a. |
| W27 | 16 12 | 18 59 | 4 56 | 16 23 | 1 12 | 23 39 | 0 13 | 21 22 | 0 14 | 4 9 | 0 53 | 19 55 | 1 49 | 2 26 | 0 33 | 14 5 | 1 31 | 21 36 | 16 8 | 7 35 | 7 12 | 13 39 | | n.a. |
| T 28 | 15 54 | 18 42 | 4 20 | 15 45 | 1 6 | 23 35 | 0 17 | 21 29 | 0 15 | 4 13 | 0 53 | 19 53 | 1 50 | 2 27 | 0 33 | 14 5 | 1 31 | 21 34 | 16 8 | 7 37 | 7 13 | 13 38 | | n.a. |
| F 29 | 15 35 | 17 6 | 3 24 | 15 7 | 1 1 | 23 31 | 0 20 | 21 36 | 0 16 | 4 17 | 0 53 | 19 51 | 1 50 | 2 28 | 0 33 | 14 5 | 1 30 | 21 33 | 16 8 | 7 38 | 7 15 | 13 37 | | n.a. |
| S 30 | 15 16 | 14 17 | 2 14 | 14 27 | 0 55 | 23 26 | 0 23 | 21 43 | 0 17 | 4 22 | 0 52 | 19 49 | 1 50 | 2 29 | 0 33 | 14 5 | 1 30 | 21 32 | 16 7 | 7 39 | 7 16 | 13 36 | | n.a. |
| S 31 | 14n57 | 10s29 | 0n54 | 13n48 | 0n49 | 23n21 | 0n26 | 21n50 | 0n18 | 4s26 | 0n52 | 19n48 | 1n50 | 2s30 | 0n33 | 14s 6 | 1n30 | 21n31 | 16n 7 | 7n39 | 7n17 | 13n34 | | n.a. |

Julian Day Number = 1002823.5, Delta T = 12h49m09s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'56, Lahiri = -31°04'56 Julian Calendar 1 Aug. 1968 BCE == Greg. Calendar 15 July 1968 BCE

The year -1967 astronomical counting style corresponds to year 1968 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## SEPTEMBER 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 33 55 | 21♌29'01 | 16♓ 9 | 27♌52 | 17♋23 | 5♊25 | 13♎11 | 10♌20 | 7♎29 | 11♏19 | 13♑11 | 10°D50 | 11♑43 | 18♌57 | n.a. | M 1 |
| T 2 | 21 37 51 | 22°28'46 | 0♈56 | 29°30 | 18°35 | 5°57 | 13°21 | 10°28 | 7°31 | 11°20 | 13°13 | 10♑50 | 11°40 | 19° 4 | n.a. | T 2 |
| W 3 | 21 41 48 | 23°28'34 | 15°21 | 1♍ 7 | 19°48 | 6°28 | 13°32 | 10°35 | 7°34 | 11°21 | 13°15 | 10°52 | 11°37 | 19°10 | n.a. | W 3 |
| T 4 | 21 45 44 | 24°28'25 | 29°19 | 2°44 | 21° 1 | 6°59 | 13°43 | 10°42 | 7°37 | 11°21 | 13°18 | 10°53 | 11°34 | 19°17 | n.a. | T 4 |
| F 5 | 21 49 41 | 25°28'18 | 12♉51 | 4°20 | 22°15 | 7°30 | 13°54 | 10°49 | 7°40 | 11°22 | 13°20 | 10°54 | 11°31 | 19°23 | n.a. | F 5 |
| S 6 | 21 53 37 | 26°28'13 | 25°57 | 5°55 | 23°28 | 8° 1 | 14° 6 | 10°56 | 7°43 | 11°23 | 13°22 | 10°R54 | 11°27 | 19°30 | n.a. | S 6 |
| S 7 | 21 57 34 | 27°28'11 | 8♊42 | 7°30 | 24°41 | 8°31 | 14°17 | 11° 3 | 7°46 | 11°24 | 13°25 | 10°54 | 11°24 | 19°37 | n.a. | S 7 |
| M 8 | 22 1 31 | 28°28'11 | 21° 8 | 9° 4 | 25°55 | 9° 1 | 14°28 | 11°10 | 7°49 | 11°25 | 13°27 | 10°53 | 11°21 | 19°43 | n.a. | M 8 |
| T 9 | 22 5 27 | 29°28'14 | 3♋20 | 10°38 | 27° 8 | 9°32 | 14°40 | 11°17 | 7°52 | 11°26 | 13°29 | 10°52 | 11°18 | 19°50 | n.a. | T 9 |
| W10 | 22 9 24 | 0♍28'19 | 15°21 | 12°11 | 28°22 | 10° 2 | 14°51 | 11°24 | 7°55 | 11°27 | 13°32 | 10°50 | 11°15 | 19°57 | n.a. | W10 |
| T 11 | 22 13 20 | 1°28'26 | 27°14 | 13°44 | 29°35 | 10°31 | 15° 3 | 11°31 | 7°59 | 11°28 | 13°34 | 10°48 | 11°11 | 20° 3 | n.a. | T 11 |
| F 12 | 22 17 17 | 2°28'35 | 9♌ 4 | 15°16 | 0♌49 | 11° 1 | 15°14 | 11°38 | 8° 2 | 11°29 | 13°37 | 10°47 | 11° 8 | 20°10 | n.a. | F 12 |
| S 13 | 22 21 13 | 3°28'46 | 20°52 | 16°47 | 2° 3 | 11°30 | 15°26 | 11°45 | 8° 5 | 11°30 | 13°39 | 10°46 | 11° 5 | 20°17 | n.a. | S 13 |
| S 14 | 22 25 10 | 4°29'00 | 2♍40 | 18°18 | 3°16 | 12° 0 | 15°38 | 11°52 | 8° 8 | 11°31 | 13°42 | 10°46 | 11° 2 | 20°23 | n.a. | S 14 |
| M15 | 22 29 6 | 5°29'15 | 14°31 | 19°48 | 4°30 | 12°29 | 15°50 | 11°59 | 8°11 | 11°32 | 13°44 | 10°D46 | 10°59 | 20°30 | n.a. | M15 |
| T 16 | 22 33 3 | 6°29'32 | 26°28 | 21°18 | 5°44 | 12°57 | 16° 2 | 12° 6 | 8°15 | 11°34 | 13°46 | 10°46 | 10°56 | 20°37 | n.a. | T 16 |
| W17 | 22 36 59 | 7°29'52 | 8♎31 | 22°48 | 6°58 | 13°26 | 16°14 | 12°13 | 8°18 | 11°35 | 13°49 | 10°46 | 10°52 | 20°43 | n.a. | W17 |
| T 18 | 22 40 56 | 8°30'12 | 20°43 | 24°16 | 8°12 | 13°54 | 16°26 | 12°19 | 8°21 | 11°36 | 13°51 | 10°47 | 10°49 | 20°50 | n.a. | T 18 |
| F 19 | 22 44 53 | 9°30'35 | 3♏ 8 | 25°45 | 9°26 | 14°22 | 16°38 | 12°26 | 8°25 | 11°37 | 13°54 | 10°47 | 10°46 | 20°57 | n.a. | F 19 |
| S 20 | 22 48 49 | 10°31'00 | 15°47 | 27°12 | 10°41 | 14°50 | 16°50 | 12°33 | 8°28 | 11°39 | 13°56 | 10°R47 | 10°43 | 21° 3 | n.a. | S 20 |
| S 21 | 22 52 46 | 11°31'26 | 28°45 | 28°40 | 11°55 | 15°18 | 17° 3 | 12°40 | 8°31 | 11°40 | 13°59 | 10°47 | 10°40 | 21°10 | n.a. | S 21 |
| M22 | 22 56 42 | 12°31'53 | 12♐ 2 | 0♎ 6 | 13° 9 | 15°45 | 17°15 | 12°46 | 8°35 | 11°41 | 14° 1 | 10°D47 | 10°36 | 21°17 | n.a. | M22 |
| T 23 | 23 0 39 | 13°32'23 | 25°42 | 1°32 | 14°23 | 16°12 | 17°27 | 12°53 | 8°38 | 11°43 | 14° 3 | 10°47 | 10°33 | 21°23 | n.a. | T 23 |
| W24 | 23 4 35 | 14°32'53 | 9♑45 | 2°57 | 15°38 | 16°39 | 17°40 | 12°59 | 8°42 | 11°44 | 14° 6 | 10°47 | 10°30 | 21°30 | n.a. | W24 |
| T 25 | 23 8 32 | 15°33'26 | 24°11 | 4°21 | 16°52 | 17° 5 | 17°52 | 13° 6 | 8°45 | 11°45 | 14° 8 | 10°48 | 10°27 | 21°37 | n.a. | T 25 |
| F 26 | 23 12 28 | 16°33'59 | 8♒56 | 5°45 | 18° 7 | 17°32 | 18° 5 | 13°12 | 8°49 | 11°47 | 14°11 | 10°48 | 10°24 | 21°43 | n.a. | F 26 |
| S 27 | 23 16 25 | 17°34'34 | 23°55 | 7° 8 | 19°21 | 17°58 | 18°18 | 13°19 | 8°52 | 11°48 | 14°13 | 10°49 | 10°21 | 21°50 | n.a. | S 27 |
| S 28 | 23 20 21 | 18°35'11 | 9♓ 1 | 8°30 | 20°36 | 18°24 | 18°30 | 13°25 | 8°56 | 11°50 | 14°16 | 10°R49 | 10°17 | 21°57 | n.a. | S 28 |
| M29 | 23 24 18 | 19°35'49 | 24° 4 | 9°50 | 21°50 | 18°49 | 18°43 | 13°32 | 8°59 | 11°52 | 14°18 | 10°49 | 10°14 | 22° 3 | n.a. | M29 |
| T 30 | 23 28 15 | 20♍36'29 | 8♈56 | 11♎10 | 23♌ 5 | 19♊14 | 18♎56 | 13♌38 | 9♎ 3 | 11♏53 | 14♑21 | 10♑48 | 10♑11 | 22♌10 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14n37 | 6s 1 | 0s29 | 13n 8 | 0n43 | 23n14 | 0n29 | 21n57 | 0n19 | 4s30 | 0n52 | 19n46 | 1n50 | 2s32 | 0n33 | 14s 6 | 1n30 | 21n30 | 16n 7 | 7n39 | 7n18 | 13n33 | | n.a. |
| T 2 | 14 18 | 1 17 | 1 49 | 12 27 | 0 37 | 23 7 | 0 32 | 22 4 | 0 21 | 4 35 | 0 52 | 19 44 | 1 50 | 2 33 | 0 33 | 14 6 | 1 30 | 21 29 | 16 7 | 7 39 | 7 20 | 13 32 | | n.a. |
| W 3 | 13 58 | 3n24 | 3 0 | 11 46 | 0 31 | 23 0 | 0 35 | 22 11 | 0 22 | 4 39 | 0 52 | 19 42 | 1 50 | 2 34 | 0 33 | 14 6 | 1 30 | 21 28 | 16 7 | 7 38 | 7 21 | 13 30 | | n.a. |
| T 4 | 13 38 | 7 45 | 3 58 | 11 5 | 0 24 | 22 51 | 0 38 | 22 17 | 0 23 | 4 44 | 0 51 | 19 40 | 1 50 | 2 35 | 0 33 | 14 7 | 1 30 | 21 27 | 16 6 | 7 38 | 7 22 | 13 29 | | n.a. |
| F 5 | 13 17 | 11 34 | 4 40 | 10 23 | 0 18 | 22 42 | 0 40 | 22 23 | 0 24 | 4 49 | 0 51 | 19 38 | 1 50 | 2 36 | 0 33 | 14 7 | 1 30 | 21 25 | 16 6 | 7 38 | 7 23 | 13 28 | | n.a. |
| S 6 | 12 56 | 14 40 | 5 6 | 9 42 | 0 11 | 22 32 | 0 43 | 22 30 | 0 25 | 4 53 | 0 51 | 19 36 | 1 50 | 2 38 | 0 33 | 14 7 | 1 30 | 21 24 | 16 6 | 7 37 | 7 25 | 13 26 | | n.a. |
| S 7 | 12 36 | 16 59 | 5 17 | 9 0 | 0 5 | 22 22 | 0 46 | 22 36 | 0 26 | 4 58 | 0 51 | 19 34 | 1 50 | 2 39 | 0 33 | 14 8 | 1 30 | 21 23 | 16 6 | 7 37 | 7 26 | 13 25 | | n.a. |
| M 8 | 12 14 | 18 26 | 5 12 | 8 18 | 0s 2 | 22 11 | 0 48 | 22 42 | 0 27 | 5 2 | 0 51 | 19 32 | 1 51 | 2 40 | 0 33 | 14 8 | 1 30 | 21 22 | 16 6 | 7 38 | 7 27 | 13 24 | | n.a. |
| T 9 | 11 53 | 18 59 | 4 53 | 7 36 | 0 9 | 21 59 | 0 51 | 22 48 | 0 29 | 5 7 | 0 50 | 19 30 | 1 51 | 2 41 | 0 32 | 14 8 | 1 30 | 21 21 | 16 5 | 7 38 | 7 28 | 13 22 | | n.a. |
| W10 | 11 32 | 18 41 | 4 22 | 6 53 | 0 15 | 21 46 | 0 53 | 22 53 | 0 30 | 5 12 | 0 50 | 19 28 | 1 51 | 2 43 | 0 32 | 14 9 | 1 30 | 21 20 | 16 5 | 7 39 | 7 29 | 13 21 | | n.a. |
| T 11 | 11 10 | 17 33 | 3 39 | 6 11 | 0 22 | 21 33 | 0 56 | 22 59 | 0 31 | 5 16 | 0 50 | 19 27 | 1 51 | 2 44 | 0 32 | 14 9 | 1 30 | 21 19 | 16 5 | 7 40 | 7 31 | 13 20 | | n.a. |
| F 12 | 10 48 | 15 40 | 2 47 | 5 29 | 0 29 | 21 19 | 0 58 | 23 5 | 0 32 | 5 21 | 0 50 | 19 25 | 1 51 | 2 45 | 0 32 | 14 10 | 1 30 | 21 18 | 16 5 | 7 40 | 7 32 | 13 18 | | n.a. |
| S 13 | 10 26 | 13 7 | 1 48 | 4 46 | 0 36 | 21 5 | 1 1 | 23 10 | 0 33 | 5 26 | 0 50 | 19 23 | 1 51 | 2 46 | 0 32 | 14 10 | 1 30 | 21 17 | 16 5 | 7 40 | 7 33 | 13 17 | | n.a. |
| S 14 | 10 3 | 10 2 | 0 45 | 4 4 | 0 42 | 20 50 | 1 3 | 23 15 | 0 35 | 5 31 | 0 50 | 19 21 | 1 51 | 2 48 | 0 32 | 14 10 | 1 30 | 21 16 | 16 5 | 7 41 | 7 34 | 13 16 | | n.a. |
| M15 | 9 41 | 6 32 | 0n21 | 3 22 | 0 49 | 20 34 | 1 5 | 23 20 | 0 36 | 5 36 | 0 49 | 19 19 | 1 51 | 2 49 | 0 32 | 14 11 | 1 29 | 21 14 | 16 5 | 7 41 | 7 36 | 13 14 | | n.a. |
| T 16 | 9 18 | 2 45 | 1 26 | 2 40 | 0 56 | 20 18 | 1 7 | 23 25 | 0 37 | 5 40 | 0 49 | 19 17 | 1 51 | 2 50 | 0 32 | 14 11 | 1 29 | 21 13 | 16 5 | 7 40 | 7 37 | 13 13 | | n.a. |
| W17 | 8 56 | 1s11 | 2 28 | 1 58 | 1 2 | 20 1 | 1 9 | 23 30 | 0 39 | 5 45 | 0 49 | 19 15 | 1 52 | 2 52 | 0 32 | 14 12 | 1 29 | 21 12 | 16 4 | 7 40 | 7 38 | 13 11 | | n.a. |
| T 18 | 8 33 | 5 6 | 3 25 | 1 16 | 1 9 | 19 43 | 1 11 | 23 35 | 0 40 | 5 50 | 0 49 | 19 14 | 1 52 | 2 53 | 0 32 | 14 12 | 1 29 | 21 11 | 16 4 | 7 40 | 7 39 | 13 10 | | n.a. |
| F 19 | 8 10 | 8 52 | 4 12 | 0 35 | 1 15 | 19 25 | 1 13 | 23 40 | 0 41 | 5 55 | 0 49 | 19 12 | 1 52 | 2 54 | 0 32 | 14 13 | 1 29 | 21 10 | 16 4 | 7 40 | 7 41 | 13 9 | | n.a. |
| S 20 | 7 46 | 12 18 | 4 49 | 0s 7 | 1 22 | 19 6 | 1 15 | 23 44 | 0 43 | 6 0 | 0 49 | 19 10 | 1 52 | 2 56 | 0 32 | 14 13 | 1 29 | 21 9 | 16 4 | 7 40 | 7 42 | 13 7 | | n.a. |
| S 21 | 7 23 | 15 13 | 5 11 | 0 48 | 1 28 | 18 47 | 1 17 | 23 49 | 0 44 | 6 5 | 0 48 | 19 8 | 1 52 | 2 57 | 0 32 | 14 13 | 1 29 | 21 8 | 16 4 | 7 40 | 7 43 | 13 6 | | n.a. |
| M22 | 6 59 | 17 26 | 5 18 | 1 28 | 1 34 | 18 27 | 1 18 | 23 53 | 0 45 | 6 10 | 0 48 | 19 6 | 1 52 | 2 59 | 0 32 | 14 14 | 1 29 | 21 7 | 16 4 | 7 40 | 7 44 | 13 5 | | n.a. |
| T 23 | 6 36 | 18 43 | 5 8 | 2 8 | 1 40 | 18 7 | 1 20 | 23 58 | 0 47 | 6 15 | 0 48 | 19 5 | 1 52 | 3 0 | 0 32 | 14 14 | 1 29 | 21 6 | 16 4 | 7 40 | 7 45 | 13 3 | | n.a. |
| W24 | 6 12 | 18 55 | 4 39 | 2 48 | 1 46 | 17 46 | 1 22 | 24 2 | 0 48 | 6 20 | 0 48 | 19 3 | 1 53 | 3 1 | 0 32 | 14 15 | 1 29 | 21 5 | 16 4 | 7 40 | 7 47 | 13 2 | | n.a. |
| T 25 | 5 48 | 17 55 | 3 52 | 3 28 | 1 51 | 17 24 | 1 23 | 24 6 | 0 49 | 6 25 | 0 48 | 19 1 | 1 53 | 3 3 | 0 32 | 14 15 | 1 29 | 21 4 | 16 4 | 7 40 | 7 48 | 13 1 | | n.a. |
| F 26 | 5 24 | 15 41 | 2 48 | 4 6 | 1 57 | 17 2 | 1 24 | 24 10 | 0 51 | 6 30 | 0 48 | 18 59 | 1 53 | 3 4 | 0 32 | 14 16 | 1 29 | 21 3 | 16 4 | 7 40 | 7 49 | 12 59 | | n.a. |
| S 27 | 5 0 | 12 22 | 1 33 | 4 45 | 2 2 | 16 40 | 1 26 | 24 14 | 0 52 | 6 35 | 0 47 | 18 58 | 1 53 | 3 6 | 0 32 | 14 16 | 1 29 | 21 2 | 16 4 | 7 39 | 7 50 | 12 58 | | n.a. |
| S 28 | 4 36 | 8 12 | 0 10 | 5 22 | 2 7 | 16 17 | 1 27 | 24 18 | 0 54 | 6 40 | 0 47 | 18 56 | 1 53 | 3 7 | 0 32 | 14 17 | 1 29 | 21 1 | 16 4 | 7 39 | 7 52 | 12 56 | | n.a. |
| M29 | 4 12 | 3 31 | 1s13 | 5 59 | 2 12 | 15 54 | 1 28 | 24 21 | 0 55 | 6 45 | 0 47 | 18 54 | 1 53 | 3 8 | 0 32 | 14 17 | 1 29 | 21 0 | 16 4 | 7 39 | 7 53 | 12 55 | | n.a. |
| T 30 | 3n48 | 1n19 | 2s30 | 6s35 | 2s16 | 15n30 | 1n29 | 24n25 | 0n57 | 6s50 | 0n47 | 18n52 | 1n53 | 3s10 | 0n32 | 14s18 | 1n29 | 20n59 | 16n 4 | 7n40 | 7n54 | 12n54 | | n.a. |

Julian Day Number = 1002854.5, Delta T = 12h49m07s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'52, Lahiri = -31°04'51 Julian Calendar 1 Sept. 1968 BCE == Greg. Calendar 15 Aug. 1968 BCE

The year -1967 astronomical counting style corresponds to year 1968 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## OCTOBER 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 32 11 | 21♍37'11 | 23♈29 | 12♎28 | 24♌20 | 19♊39 | 19♎ 9 | 13♌44 | 9♎ 6 | 11♏55 | 14♍23 | 10°R47 | 10♍ 8 | 22♌16 | n.a. | W 1 |
| T 2 | 23 36 8 | 22°37'54 | 7♉37 | 13°45 | 25°35 | 20° 4 | 19°22 | 13°50 | 9°10 | 11°56 | 14°25 | 10♍45 | 10° 5 | 22°23 | n.a. | T 2 |
| F 3 | 23 40 4 | 23°38'40 | 21°19 | 15° 0 | 26°49 | 20°28 | 19°35 | 13°56 | 9°14 | 11°58 | 14°28 | 10°44 | 10° 2 | 22°30 | n.a. | F 3 |
| S 4 | 23 44 1 | 24°39'27 | 4♊34 | 16°13 | 28° 4 | 20°52 | 19°48 | 14° 3 | 9°17 | 12° 0 | 14°30 | 10°42 | 9°58 | 22°36 | n.a. | S 4 |
| S 5 | 23 47 57 | 25°40'16 | 17°24 | 17°25 | 29°19 | 21°16 | 20° 1 | 14° 9 | 9°21 | 12° 1 | 14°33 | 10°42 | 9°55 | 22°43 | n.a. | S 5 |
| M 6 | 23 51 54 | 26°41'07 | 29°52 | 18°33 | 0♍34 | 21°40 | 20°14 | 14°15 | 9°24 | 12° 3 | 14°35 | 10°D41 | 9°52 | 22°50 | n.a. | M 6 |
| T 7 | 23 55 50 | 27°41'59 | 12♋ 3 | 19°40 | 1°49 | 22° 3 | 20°27 | 14°21 | 9°28 | 12° 5 | 14°38 | 10°42 | 9°49 | 22°56 | n.a. | T 7 |
| W 8 | 23 59 47 | 28°42'53 | 24° 1 | 20°43 | 3° 4 | 22°25 | 20°40 | 14°27 | 9°32 | 12° 6 | 14°40 | 10°43 | 9°46 | 23° 3 | n.a. | W 8 |
| T 9 | 0 3 44 | 29°43'49 | 5♌52 | 21°43 | 4°19 | 22°48 | 20°53 | 14°32 | 9°35 | 12° 8 | 14°42 | 10°45 | 9°42 | 23°10 | n.a. | T 9 |
| F 10 | 0 7 40 | 0♎44'46 | 17°39 | 22°38 | 5°34 | 23°10 | 21° 7 | 14°38 | 9°39 | 12°10 | 14°45 | 10°46 | 9°39 | 23°16 | n.a. | F 10 |
| S 11 | 0 11 37 | 1°45'45 | 29°26 | 23°30 | 6°49 | 23°32 | 21°20 | 14°44 | 9°43 | 12°12 | 14°47 | 10°48 | 9°36 | 23°23 | n.a. | S 11 |
| S 12 | 0 15 33 | 2°46'45 | 11♍18 | 24°16 | 8° 4 | 23°53 | 21°33 | 14°50 | 9°46 | 12°14 | 14°49 | 10°R48 | 9°33 | 23°30 | n.a. | S 12 |
| M13 | 0 19 30 | 3°47'47 | 23°16 | 24°57 | 9°19 | 24°14 | 21°47 | 14°55 | 9°50 | 12°16 | 14°52 | 10°48 | 9°30 | 23°36 | n.a. | M13 |
| T 14 | 0 23 26 | 4°48'49 | 5♎23 | 25°31 | 10°35 | 24°35 | 22° 0 | 15° 1 | 9°54 | 12°17 | 14°54 | 10°46 | 9°27 | 23°43 | n.a. | T 14 |
| W15 | 0 27 23 | 5°49'53 | 17°41 | 25°58 | 11°50 | 24°55 | 22°13 | 15° 6 | 9°57 | 12°19 | 14°56 | 10°42 | 9°23 | 23°50 | n.a. | W15 |
| T 16 | 0 31 19 | 6°50'58 | 0♏10 | 26°17 | 13° 5 | 25°14 | 22°27 | 15°12 | 10° 1 | 12°21 | 14°59 | 10°38 | 9°20 | 23°56 | n.a. | T 16 |
| F 17 | 0 35 16 | 7°52'04 | 12°51 | 26°27 | 14°20 | 25°34 | 22°40 | 15°17 | 10° 5 | 12°23 | 15° 1 | 10°34 | 9°17 | 24° 3 | n.a. | F 17 |
| S 18 | 0 39 13 | 8°53'11 | 25°45 | 26°R28 | 15°36 | 25°53 | 22°54 | 15°22 | 10° 9 | 12°25 | 15° 3 | 10°29 | 9°14 | 24°10 | n.a. | S 18 |
| S 19 | 0 43 9 | 9°54'19 | 8♐53 | 26°18 | 16°51 | 26°11 | 23° 7 | 15°27 | 10°12 | 12°27 | 15° 6 | 10°25 | 9°11 | 24°16 | n.a. | S 19 |
| M20 | 0 47 6 | 10°55'28 | 22°15 | 25°58 | 18° 6 | 26°29 | 23°21 | 15°32 | 10°16 | 12°29 | 15° 8 | 10°22 | 9° 7 | 24°23 | n.a. | M20 |
| T 21 | 0 51 2 | 11°56'37 | 5♑52 | 25°26 | 19°21 | 26°47 | 23°35 | 15°38 | 10°20 | 12°31 | 15°10 | 10°D21 | 9° 4 | 24°30 | n.a. | T 21 |
| W22 | 0 54 59 | 12°57'47 | 19°45 | 24°43 | 20°37 | 27° 4 | 23°48 | 15°43 | 10°23 | 12°33 | 15°12 | 10°21 | 9° 1 | 24°36 | n.a. | W22 |
| T 23 | 0 58 55 | 13°58'58 | 3♒52 | 23°49 | 21°52 | 27°21 | 24° 2 | 15°47 | 10°27 | 12°35 | 15°15 | 10°22 | 8°58 | 24°43 | n.a. | T 23 |
| F 24 | 1 2 52 | 15° 0'09 | 18°14 | 22°46 | 23° 7 | 27°37 | 24°15 | 15°52 | 10°31 | 12°37 | 15°17 | 10°23 | 8°55 | 24°49 | n.a. | F 24 |
| S 25 | 1 6 48 | 16° 1'21 | 2♓48 | 21°34 | 24°23 | 27°53 | 24°29 | 15°57 | 10°34 | 12°39 | 15°19 | 10°25 | 8°52 | 24°56 | n.a. | S 25 |
| S 26 | 1 10 45 | 17° 2'33 | 17°30 | 20°16 | 25°38 | 28° 8 | 24°43 | 16° 2 | 10°38 | 12°41 | 15°21 | 10°R25 | 8°48 | 25° 3 | n.a. | S 26 |
| M27 | 1 14 42 | 18° 3'45 | 2♈13 | 18°54 | 26°53 | 28°23 | 24°57 | 16° 6 | 10°42 | 12°44 | 15°23 | 10°23 | 8°45 | 25° 9 | n.a. | M27 |
| T 28 | 1 18 38 | 19° 4'58 | 16°51 | 17°31 | 28° 9 | 28°37 | 25°10 | 16°11 | 10°46 | 12°46 | 15°25 | 10°19 | 8°42 | 25°16 | n.a. | T 28 |
| W29 | 1 22 35 | 20° 6'12 | 1♉17 | 16°10 | 29°24 | 28°51 | 25°24 | 16°15 | 10°49 | 12°48 | 15°28 | 10°14 | 8°39 | 25°23 | n.a. | W29 |
| T 30 | 1 26 31 | 21° 7'27 | 15°25 | 14°53 | 0♎40 | 29° 4 | 25°38 | 16°20 | 10°53 | 12°50 | 15°30 | 10° 7 | 8°36 | 25°29 | n.a. | T 30 |
| F 31 | 1 30 28 | 22♎ 8'42 | 29♉10 | 13♎43 | 1♎55 | 29♊17 | 25♎51 | 16♌24 | 10♎57 | 12♏52 | 15♍32 | 9♍59 | 8♍33 | 25♌36 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 3n23 | 5n58 | 3s36 | 7s10 | 2s20 | 15n 5 | 1n30 | 24n28 | 0n58 | 6s55 | 0n47 | 18n51 | 1n54 | 3s11 | 0n32 | 14s19 | 1n29 | 20n58 | 16n 4 | 7n40 | 7n55 | 12n52 | | | n.a. |
| T 2 | 2 59 | 10 9 | 4 26 | 7 44 | 2 24 | 14 41 | 1 31 | 24 32 | 1 0 | 7 0 | 0 47 | 18 49 | 1 54 | 3 13 | 0 32 | 14 19 | 1 29 | 20 57 | 16 4 | 7 41 | 7 56 | 12 51 | | | n.a. |
| F 3 | 2 34 | 13 38 | 4 59 | 8 17 | 2 27 | 14 15 | 1 32 | 24 35 | 1 1 | 7 6 | 0 47 | 18 47 | 1 54 | 3 14 | 0 32 | 14 20 | 1 29 | 20 56 | 16 4 | 7 41 | 7 58 | 12 49 | | | n.a. |
| S 4 | 2 10 | 16 19 | 5 15 | 8 48 | 2 30 | 13 50 | 1 33 | 24 39 | 1 3 | 7 11 | 0 46 | 18 46 | 1 54 | 3 16 | 0 32 | 14 20 | 1 29 | 20 56 | 16 4 | 7 42 | 7 59 | 12 48 | | | n.a. |
| S 5 | 1 45 | 18 5 | 5 15 | 9 18 | 2 33 | 13 24 | 1 34 | 24 42 | 1 5 | 7 16 | 0 46 | 18 44 | 1 54 | 3 17 | 0 32 | 14 21 | 1 28 | 20 55 | 16 4 | 7 42 | 8 0 | 12 47 | | | n.a. |
| M 6 | 1 21 | 18 55 | 5 0 | 9 47 | 2 34 | 12 57 | 1 34 | 24 45 | 1 6 | 7 21 | 0 46 | 18 42 | 1 54 | 3 19 | 0 32 | 14 21 | 1 28 | 20 54 | 16 4 | 7 42 | 8 1 | 12 45 | | | n.a. |
| T 7 | 0 56 | 18 52 | 4 31 | 10 14 | 2 36 | 12 31 | 1 35 | 24 48 | 1 8 | 7 26 | 0 46 | 18 41 | 1 55 | 3 20 | 0 32 | 14 22 | 1 28 | 20 53 | 16 5 | 7 42 | 8 3 | 12 44 | | | n.a. |
| W 8 | 0 31 | 17 57 | 3 51 | 10 39 | 2 36 | 12 3 | 1 35 | 24 51 | 1 9 | 7 31 | 0 46 | 18 39 | 1 55 | 3 22 | 0 32 | 14 23 | 1 28 | 20 52 | 16 5 | 7 42 | 8 4 | 12 42 | | | n.a. |
| T 9 | 0 7 | 16 15 | 3 2 | 11 2 | 2 36 | 11 36 | 1 36 | 24 54 | 1 11 | 7 36 | 0 46 | 18 38 | 1 55 | 3 23 | 0 32 | 14 23 | 1 28 | 20 51 | 16 5 | 7 41 | 8 5 | 12 41 | | | n.a. |
| F 10 | 0s18 | 13 53 | 2 5 | 11 23 | 2 35 | 11 8 | 1 36 | 24 57 | 1 13 | 7 42 | 0 46 | 18 36 | 1 55 | 3 25 | 0 32 | 14 24 | 1 28 | 20 50 | 16 5 | 7 40 | 8 6 | 12 40 | | | n.a. |
| S 11 | 0 43 | 10 55 | 1 2 | 11 40 | 2 34 | 10 40 | 1 36 | 25 0 | 1 15 | 7 47 | 0 45 | 18 35 | 1 55 | 3 26 | 0 32 | 14 24 | 1 28 | 20 49 | 16 5 | 7 40 | 8 7 | 12 38 | | | n.a. |
| S 12 | 1 8 | 7 31 | 0n 3 | 11 56 | 2 31 | 10 12 | 1 36 | 25 3 | 1 16 | 7 52 | 0 45 | 18 33 | 1 56 | 3 28 | 0 32 | 14 25 | 1 28 | 20 49 | 16 5 | 7 40 | 8 9 | 12 37 | | | n.a. |
| M13 | 1 32 | 3 46 | 1 8 | 12 7 | 2 27 | 9 43 | 1 37 | 25 5 | 1 18 | 7 57 | 0 45 | 18 32 | 1 56 | 3 29 | 0 32 | 14 26 | 1 28 | 20 48 | 16 5 | 7 40 | 8 10 | 12 35 | | | n.a. |
| T 14 | 1 57 | 0s11 | 2 11 | 12 16 | 2 22 | 9 14 | 1 37 | 25 8 | 1 20 | 8 2 | 0 45 | 18 30 | 1 56 | 3 30 | 0 32 | 14 26 | 1 28 | 20 47 | 16 5 | 7 41 | 8 11 | 12 34 | | | n.a. |
| W15 | 2 22 | 4 10 | 3 9 | 12 20 | 2 16 | 8 45 | 1 37 | 25 11 | 1 22 | 8 8 | 0 45 | 18 29 | 1 56 | 3 32 | 0 32 | 14 27 | 1 28 | 20 46 | 16 6 | 7 42 | 8 12 | 12 33 | | | n.a. |
| T 16 | 2 46 | 8 2 | 3 59 | 12 20 | 2 9 | 8 15 | 1 36 | 25 13 | 1 23 | 8 13 | 0 45 | 18 27 | 1 56 | 3 33 | 0 32 | 14 27 | 1 28 | 20 45 | 16 6 | 7 43 | 8 14 | 12 31 | | | n.a. |
| F 17 | 3 11 | 11 36 | 4 38 | 12 16 | 2 0 | 7 46 | 1 36 | 25 16 | 1 25 | 8 18 | 0 45 | 18 26 | 1 57 | 3 35 | 0 32 | 14 28 | 1 28 | 20 45 | 16 6 | 7 45 | 8 15 | 12 30 | | | n.a. |
| S 18 | 3 35 | 14 41 | 5 3 | 12 6 | 1 49 | 7 16 | 1 36 | 25 18 | 1 27 | 8 23 | 0 45 | 18 24 | 1 57 | 3 36 | 0 32 | 14 29 | 1 28 | 20 44 | 16 6 | 7 47 | 8 16 | 12 28 | | | n.a. |
| S 19 | 4 0 | 17 4 | 5 13 | 11 51 | 1 37 | 6 45 | 1 36 | 25 21 | 1 29 | 8 29 | 0 44 | 18 23 | 1 57 | 3 38 | 0 32 | 14 29 | 1 28 | 20 43 | 16 6 | 7 49 | 8 17 | 12 27 | | | n.a. |
| M20 | 4 24 | 18 35 | 5 7 | 11 31 | 1 23 | 6 15 | 1 35 | 25 23 | 1 31 | 8 34 | 0 44 | 18 22 | 1 57 | 3 39 | 0 32 | 14 30 | 1 28 | 20 42 | 16 6 | 7 50 | 8 18 | 12 25 | | | n.a. |
| T 21 | 4 49 | 19 4 | 4 43 | 11 5 | 1 8 | 5 45 | 1 35 | 25 26 | 1 33 | 8 39 | 0 44 | 18 20 | 1 57 | 3 41 | 0 32 | 14 31 | 1 28 | 20 42 | 16 7 | 7 50 | 8 20 | 12 24 | | | n.a. |
| W22 | 5 13 | 18 26 | 4 2 | 10 33 | 0 51 | 5 14 | 1 34 | 25 28 | 1 35 | 8 44 | 0 44 | 18 19 | 1 58 | 3 42 | 0 32 | 14 31 | 1 28 | 20 41 | 16 7 | 7 50 | 8 21 | 12 22 | | | n.a. |
| T 23 | 5 37 | 16 39 | 3 7 | 9 56 | 0 33 | 4 43 | 1 34 | 25 30 | 1 37 | 8 49 | 0 44 | 18 18 | 1 58 | 3 44 | 0 32 | 14 32 | 1 28 | 20 40 | 16 7 | 7 50 | 8 22 | 12 21 | | | n.a. |
| F 24 | 6 1 | 13 48 | 1 58 | 9 14 | 0 13 | 4 12 | 1 33 | 25 33 | 1 39 | 8 55 | 0 44 | 18 16 | 1 58 | 3 45 | 0 32 | 14 33 | 1 28 | 20 40 | 16 7 | 7 49 | 8 23 | 12 20 | | | n.a. |
| S 25 | 6 25 | 10 2 | 0 41 | 8 28 | 0n 7 | 3 41 | 1 32 | 25 35 | 1 41 | 9 0 | 0 44 | 18 15 | 1 58 | 3 47 | 0 32 | 14 33 | 1 28 | 20 39 | 16 8 | 7 49 | 8 24 | 12 18 | | | n.a. |
| S 26 | 6 49 | 5 38 | 0s39 | 7 39 | 0 28 | 3 10 | 1 31 | 25 37 | 1 43 | 9 5 | 0 44 | 18 14 | 1 59 | 3 48 | 0 32 | 14 34 | 1 28 | 20 38 | 16 8 | 7 49 | 8 26 | 12 17 | | | n.a. |
| M27 | 7 13 | 0 52 | 1 56 | 6 48 | 0 48 | 2 38 | 1 30 | 25 39 | 1 45 | 9 10 | 0 44 | 18 13 | 1 59 | 3 50 | 0 32 | 14 35 | 1 28 | 20 38 | 16 8 | 7 49 | 8 27 | 12 15 | | | n.a. |
| T 28 | 7 37 | 3n54 | 3 5 | 5 58 | 1 8 | 2 7 | 1 30 | 25 42 | 1 47 | 9 15 | 0 43 | 18 11 | 1 59 | 3 51 | 0 32 | 14 35 | 1 28 | 20 37 | 16 8 | 7 51 | 8 28 | 12 14 | | | n.a. |
| W29 | 8 1 | 8 23 | 4 2 | 5 9 | 1 27 | 1 35 | 1 28 | 25 44 | 1 49 | 9 21 | 0 43 | 18 10 | 1 59 | 3 53 | 0 32 | 14 36 | 1 28 | 20 36 | 16 9 | 7 53 | 8 29 | 12 12 | | | n.a. |
| T 30 | 8 24 | 12 18 | 4 42 | 4 23 | 1 44 | 1 4 | 1 27 | 25 46 | 1 51 | 9 26 | 0 43 | 18 9 | 1 59 | 3 54 | 0 32 | 14 37 | 1 28 | 20 36 | 16 9 | 7 56 | 8 31 | 12 11 | | | n.a. |
| F 31 | 8s47 | 15n25 | 5s 4 | 3s42 | 1n59 | 0n32 | 1n26 | 25n49 | 1n54 | 9s31 | 0n43 | 18n 8 | 2n 0 | 3s56 | 0n32 | 14s37 | 1n28 | 20n35 | 16n 9 | 7n58 | 8n32 | 12n 9 | | | n.a. |

Julian Day Number = 1002884.5, Delta T = 12h49m05s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'48, Lahiri = -31°04'47 Julian Calendar 1 Oct. 1968 BCE == Greg. Calendar 14 Sept. 1968 BCE

The year -1967 astronomical counting style corresponds to year 1968 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## NOVEMBER 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 34 24 | 23♎ 9'58 | 12♊30 | 12°R42 | 3♎10 | 29♊29 | 26♎ 5 | 16♌28 | 11♎ 0 | 12♏54 | 15♍34 | 9°R53 | 8♍29 | 25♌43 | n.a. | S 1 |
| S 2 | 1 38 21 | 24°11'15 | 25°25 | 11♎51 | 4°26 | 29°41 | 26°19 | 16°32 | 11° 4 | 12°56 | 15°36 | 9♍47 | 8°26 | 25°49 | n.a. | S 2 |
| M 3 | 1 42 17 | 25°12'33 | 7♋57 | 11°10 | 5°41 | 29°51 | 26°33 | 16°36 | 11° 7 | 12°59 | 15°38 | 9°43 | 8°23 | 25°56 | n.a. | M 3 |
| T 4 | 1 46 14 | 26°13'51 | 20°11 | 10°41 | 6°57 | 0♋ 2 | 26°46 | 16°40 | 11°11 | 13° 1 | 15°40 | 9°42 | 8°20 | 26° 3 | n.a. | T 4 |
| W 5 | 1 50 11 | 27°15'10 | 2♌10 | 10°22 | 8°12 | 0°12 | 27° 0 | 16°44 | 11°15 | 13° 3 | 15°42 | 9°D42 | 8°17 | 26° 9 | n.a. | W 5 |
| T 6 | 1 54 7 | 28°16'29 | 14° 0 | 10°D15 | 9°28 | 0°21 | 27°14 | 16°48 | 11°18 | 13° 5 | 15°44 | 9°43 | 8°13 | 26°16 | n.a. | T 6 |
| F 7 | 1 58 4 | 29°17'49 | 25°47 | 10°17 | 10°43 | 0°29 | 27°28 | 16°52 | 11°22 | 13° 7 | 15°46 | 9°44 | 8°10 | 26°23 | n.a. | F 7 |
| S 8 | 2 2 0 | 0♏19'09 | 7♍36 | 10°28 | 11°59 | 0°37 | 27°42 | 16°55 | 11°25 | 13°10 | 15°48 | 9°R45 | 8° 7 | 26°29 | n.a. | S 8 |
| S 9 | 2 5 57 | 1°20'30 | 19°31 | 10°48 | 13°14 | 0°44 | 27°55 | 16°59 | 11°29 | 13°12 | 15°49 | 9°44 | 8° 4 | 26°36 | n.a. | S 9 |
| M10 | 2 9 53 | 2°21'51 | 1♎36 | 11°15 | 14°30 | 0°51 | 28° 9 | 17° 2 | 11°32 | 13°14 | 15°51 | 9°42 | 8° 1 | 26°42 | n.a. | M10 |
| T 11 | 2 13 50 | 3°23'13 | 13°55 | 11°49 | 15°45 | 0°57 | 28°23 | 17° 6 | 11°36 | 13°16 | 15°53 | 9°36 | 7°58 | 26°49 | n.a. | T 11 |
| W12 | 2 17 47 | 4°24'34 | 26°28 | 12°30 | 17° 1 | 1° 2 | 28°37 | 17° 9 | 11°40 | 13°19 | 15°55 | 9°29 | 7°54 | 26°56 | n.a. | W12 |
| T 13 | 2 21 43 | 5°25'56 | 9♏17 | 13°16 | 18°16 | 1° 6 | 28°50 | 17°12 | 11°43 | 13°21 | 15°57 | 9°19 | 7°51 | 27° 2 | n.a. | T 13 |
| F 14 | 2 25 40 | 6°27'18 | 22°21 | 14° 7 | 19°31 | 1°10 | 29° 4 | 17°15 | 11°46 | 13°23 | 15°59 | 9° 9 | 7°48 | 27° 9 | n.a. | F 14 |
| S 15 | 2 29 36 | 7°28'39 | 5♐39 | 15° 2 | 20°47 | 1°13 | 29°18 | 17°18 | 11°50 | 13°25 | 16° 0 | 8°58 | 7°45 | 27°16 | n.a. | S 15 |
| S 16 | 2 33 33 | 8°30'01 | 19° 9 | 16° 1 | 22° 2 | 1°16 | 29°31 | 17°21 | 11°53 | 13°28 | 16° 2 | 8°48 | 7°42 | 27°22 | n.a. | S 16 |
| M17 | 2 37 29 | 9°31'22 | 2♑48 | 17° 3 | 23°18 | 1°17 | 29°45 | 17°24 | 11°57 | 13°30 | 16° 4 | 8°41 | 7°39 | 27°29 | n.a. | M17 |
| T 18 | 2 41 26 | 10°32'42 | 16°36 | 18° 9 | 24°33 | 1°18 | 29°59 | 17°26 | 12° 0 | 13°32 | 16° 5 | 8°35 | 7°35 | 27°36 | n.a. | T 18 |
| W19 | 2 45 23 | 11°34'03 | 0♒31 | 19°17 | 25°49 | 1°R18 | 0♏12 | 17°29 | 12° 3 | 13°35 | 16° 7 | 8°33 | 7°32 | 27°42 | n.a. | W19 |
| T 20 | 2 49 19 | 12°35'22 | 14°32 | 20°27 | 27° 4 | 1°17 | 0°26 | 17°32 | 12° 7 | 13°37 | 16° 9 | 8°D32 | 7°29 | 27°49 | n.a. | T 20 |
| F 21 | 2 53 16 | 13°36'41 | 28°39 | 21°40 | 28°20 | 1°16 | 0°40 | 17°34 | 12°10 | 13°39 | 16°10 | 8°33 | 7°26 | 27°56 | n.a. | F 21 |
| S 22 | 2 57 12 | 14°37'59 | 12♓50 | 22°54 | 29°35 | 1°14 | 0°53 | 17°36 | 12°13 | 13°41 | 16°12 | 8°R33 | 7°23 | 28° 2 | n.a. | S 22 |
| S 23 | 3 1 9 | 15°39'17 | 27° 5 | 24°11 | 0♏50 | 1°11 | 1° 7 | 17°38 | 12°17 | 13°44 | 16°13 | 8°32 | 7°19 | 28° 9 | n.a. | S 23 |
| M24 | 3 5 5 | 16°40'34 | 11♈20 | 25°28 | 2° 6 | 1° 7 | 1°20 | 17°40 | 12°20 | 13°46 | 16°15 | 8°28 | 7°16 | 28°16 | n.a. | M24 |
| T 25 | 3 9 2 | 17°41'50 | 25°32 | 26°47 | 3°21 | 1° 2 | 1°34 | 17°42 | 12°23 | 13°48 | 16°16 | 8°21 | 7°13 | 28°22 | n.a. | T 25 |
| W26 | 3 12 58 | 18°43'06 | 9♉36 | 28° 7 | 4°36 | 0°57 | 1°48 | 17°44 | 12°26 | 13°50 | 16°17 | 8°11 | 7°10 | 28°29 | n.a. | W26 |
| T 27 | 3 16 55 | 19°44'21 | 23°27 | 29°29 | 5°52 | 0°51 | 2° 1 | 17°46 | 12°29 | 13°53 | 16°19 | 8° 0 | 7° 7 | 28°35 | n.a. | T 27 |
| F 28 | 3 20 52 | 20°45'35 | 7♊ 1 | 0♏51 | 7° 7 | 0°44 | 2°14 | 17°48 | 12°33 | 13°55 | 16°20 | 7°47 | 7° 4 | 28°42 | n.a. | F 28 |
| S 29 | 3 24 48 | 21°46'49 | 20°16 | 2°15 | 8°23 | 0°36 | 2°28 | 17°49 | 12°36 | 13°57 | 16°21 | 7°35 | 7° 0 | 28°49 | n.a. | S 29 |
| S 30 | 3 28 45 | 22♏48'03 | 3♋ 9 | 3♏39 | 9♏38 | 0♋27 | 2♏41 | 17♌51 | 12♎39 | 14♏ 0 | 16♍23 | 7♍25 | 6♍57 | 28♌55 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s11 | 17n38 | 5s 9 | 3s 5 | 2n12 | 0n 1 | 1n25 | 25n51 | 1n56 | 9s36 | 0n43 | 18n 7 | 2n 0 | 3s57 | 0n32 | 14s38 | 1n28 | 20n35 | 16n 9 | 8n 1 | 8n33 | 12n 8 | | n.a. |
| S 2 | 9 34 | 18 52 | 4 58 | 2 35 | 2 24 | 0s31 | 1 24 | 25 53 | 1 58 | 9 41 | 0 43 | 18 6 | 2 0 | 3 59 | 0 32 | 14 39 | 1 28 | 20 34 | 16 10 | 8 3 | 8 34 | 12 6 | | n.a. |
| M 3 | 9 57 | 19 8 | 4 33 | 2 10 | 2 33 | 1 3 | 1 23 | 25 55 | 2 0 | 9 46 | 0 43 | 18 5 | 2 0 | 4 0 | 0 32 | 14 39 | 1 27 | 20 34 | 16 10 | 8 5 | 8 35 | 12 5 | | n.a. |
| T 4 | 10 19 | 18 29 | 3 56 | 1 52 | 2 40 | 1 34 | 1 21 | 25 58 | 2 3 | 9 52 | 0 43 | 18 4 | 2 1 | 4 1 | 0 32 | 14 40 | 1 27 | 20 33 | 16 10 | 8 5 | 8 37 | 12 4 | | n.a. |
| W 5 | 10 42 | 17 0 | 3 9 | 1 40 | 2 45 | 2 6 | 1 20 | 26 0 | 2 5 | 9 57 | 0 43 | 18 3 | 2 1 | 4 3 | 0 32 | 14 41 | 1 27 | 20 33 | 16 11 | 8 5 | 8 38 | 12 2 | | n.a. |
| T 6 | 11 4 | 14 48 | 2 15 | 1 34 | 2 48 | 2 38 | 1 18 | 26 2 | 2 7 | 10 2 | 0 43 | 18 2 | 2 1 | 4 4 | 0 32 | 14 42 | 1 27 | 20 32 | 16 11 | 8 5 | 8 39 | 12 1 | | n.a. |
| F 7 | 11 27 | 12 0 | 1 15 | 1 33 | 2 50 | 3 9 | 1 17 | 26 5 | 2 10 | 10 7 | 0 43 | 18 1 | 2 1 | 4 6 | 0 32 | 14 42 | 1 27 | 20 32 | 16 11 | 8 4 | 8 40 | 11 59 | | n.a. |
| S 8 | 11 49 | 8 42 | 0 12 | 1 38 | 2 50 | 3 41 | 1 15 | 26 7 | 2 12 | 10 12 | 0 42 | 18 0 | 2 2 | 4 7 | 0 32 | 14 43 | 1 27 | 20 31 | 16 12 | 8 4 | 8 41 | 11 58 | | n.a. |
| S 9 | 12 10 | 5 2 | 0n53 | 1 46 | 2 49 | 4 12 | 1 14 | 26 9 | 2 14 | 10 17 | 0 42 | 17 59 | 2 2 | 4 9 | 0 32 | 14 44 | 1 27 | 20 31 | 16 12 | 8 4 | 8 43 | 11 56 | | n.a. |
| M10 | 12 32 | 1 6 | 1 55 | 1 59 | 2 47 | 4 43 | 1 12 | 26 12 | 2 17 | 10 22 | 0 42 | 17 58 | 2 2 | 4 10 | 0 32 | 14 44 | 1 27 | 20 30 | 16 12 | 8 5 | 8 44 | 11 55 | | n.a. |
| T 11 | 12 53 | 2s57 | 2 53 | 2 16 | 2 44 | 5 15 | 1 10 | 26 14 | 2 19 | 10 27 | 0 42 | 17 58 | 2 2 | 4 11 | 0 32 | 14 45 | 1 27 | 20 30 | 16 13 | 8 7 | 8 45 | 11 53 | | n.a. |
| W12 | 13 15 | 6 56 | 3 44 | 2 35 | 2 40 | 5 46 | 1 8 | 26 17 | 2 22 | 10 32 | 0 42 | 17 57 | 2 3 | 4 13 | 0 32 | 14 46 | 1 27 | 20 30 | 16 13 | 8 10 | 8 46 | 11 52 | | n.a. |
| T 13 | 13 36 | 10 42 | 4 24 | 2 58 | 2 35 | 6 17 | 1 6 | 26 19 | 2 24 | 10 37 | 0 42 | 17 56 | 2 3 | 4 14 | 0 32 | 14 46 | 1 27 | 20 29 | 16 14 | 8 14 | 8 47 | 11 50 | | n.a. |
| F 14 | 13 56 | 14 1 | 4 52 | 3 22 | 2 30 | 6 48 | 1 5 | 26 22 | 2 27 | 10 42 | 0 42 | 17 55 | 2 3 | 4 16 | 0 32 | 14 47 | 1 27 | 20 29 | 16 14 | 8 18 | 8 49 | 11 49 | | n.a. |
| S 15 | 14 17 | 16 41 | 5 4 | 3 49 | 2 25 | 7 18 | 1 3 | 26 24 | 2 29 | 10 47 | 0 42 | 17 55 | 2 3 | 4 17 | 0 32 | 14 48 | 1 27 | 20 28 | 16 14 | 8 22 | 8 50 | 11 47 | | n.a. |
| S 16 | 14 37 | 18 29 | 5 0 | 4 18 | 2 18 | 7 49 | 1 1 | 26 27 | 2 32 | 10 52 | 0 42 | 17 54 | 2 4 | 4 18 | 0 32 | 14 49 | 1 27 | 20 28 | 16 15 | 8 26 | 8 51 | 11 46 | | n.a. |
| M17 | 14 57 | 19 15 | 4 38 | 4 48 | 2 12 | 8 19 | 0 59 | 26 29 | 2 35 | 10 57 | 0 42 | 17 53 | 2 4 | 4 20 | 0 32 | 14 49 | 1 27 | 20 28 | 16 15 | 8 29 | 8 52 | 11 44 | | n.a. |
| T 18 | 15 17 | 18 53 | 4 1 | 5 20 | 2 5 | 8 49 | 0 57 | 26 32 | 2 37 | 11 2 | 0 42 | 17 53 | 2 4 | 4 21 | 0 32 | 14 50 | 1 27 | 20 28 | 16 16 | 8 31 | 8 54 | 11 43 | | n.a. |
| W19 | 15 36 | 17 23 | 3 8 | 5 53 | 1 58 | 9 19 | 0 55 | 26 35 | 2 40 | 11 7 | 0 42 | 17 52 | 2 4 | 4 22 | 0 32 | 14 51 | 1 27 | 20 27 | 16 16 | 8 32 | 8 55 | 11 41 | | n.a. |
| T 20 | 15 55 | 14 49 | 2 5 | 6 26 | 1 51 | 9 49 | 0 53 | 26 37 | 2 42 | 11 12 | 0 42 | 17 52 | 2 5 | 4 24 | 0 32 | 14 51 | 1 27 | 20 27 | 16 16 | 8 32 | 8 56 | 11 40 | | n.a. |
| F 21 | 16 14 | 11 21 | 0 53 | 7 1 | 1 44 | 10 18 | 0 51 | 26 40 | 2 45 | 11 17 | 0 41 | 17 51 | 2 5 | 4 25 | 0 32 | 14 52 | 1 27 | 20 27 | 16 17 | 8 32 | 8 57 | 11 38 | | n.a. |
| S 22 | 16 33 | 7 13 | 0s23 | 7 36 | 1 36 | 10 48 | 0 48 | 26 43 | 2 48 | 11 22 | 0 41 | 17 51 | 2 5 | 4 26 | 0 32 | 14 53 | 1 27 | 20 27 | 16 17 | 8 32 | 8 58 | 11 37 | | n.a. |
| S 23 | 16 51 | 2 40 | 1 37 | 8 11 | 1 29 | 11 17 | 0 46 | 26 45 | 2 50 | 11 27 | 0 41 | 17 50 | 2 6 | 4 27 | 0 32 | 14 53 | 1 27 | 20 26 | 16 18 | 8 32 | 9 0 | 11 35 | | n.a. |
| M24 | 17 9 | 2n 3 | 2 45 | 8 47 | 1 21 | 11 45 | 0 44 | 26 48 | 2 53 | 11 32 | 0 41 | 17 50 | 2 6 | 4 29 | 0 32 | 14 54 | 1 27 | 20 26 | 16 18 | 8 34 | 9 1 | 11 34 | | n.a. |
| T 25 | 17 27 | 6 37 | 3 42 | 9 24 | 1 13 | 12 14 | 0 42 | 26 51 | 2 56 | 11 37 | 0 41 | 17 50 | 2 6 | 4 30 | 0 32 | 14 55 | 1 27 | 20 26 | 16 19 | 8 36 | 9 2 | 11 32 | | n.a. |
| W26 | 17 44 | 10 47 | 4 26 | 10 0 | 1 6 | 12 42 | 0 39 | 26 53 | 2 58 | 11 42 | 0 41 | 17 49 | 2 6 | 4 31 | 0 32 | 14 56 | 1 27 | 20 26 | 16 19 | 8 40 | 9 3 | 11 30 | | n.a. |
| T 27 | 18 1 | 14 18 | 4 52 | 10 37 | 0 58 | 13 9 | 0 37 | 26 56 | 3 1 | 11 46 | 0 41 | 17 49 | 2 7 | 4 33 | 0 32 | 14 56 | 1 27 | 20 26 | 16 20 | 8 44 | 9 4 | 11 29 | | n.a. |
| F 28 | 18 18 | 16 58 | 5 2 | 11 13 | 0 50 | 13 37 | 0 35 | 26 59 | 3 4 | 11 51 | 0 41 | 17 49 | 2 7 | 4 34 | 0 32 | 14 57 | 1 27 | 20 26 | 16 20 | 8 49 | 9 6 | 11 27 | | n.a. |
| S 29 | 18 34 | 18 39 | 4 55 | 11 50 | 0 42 | 14 4 | 0 33 | 27 2 | 3 7 | 11 56 | 0 41 | 17 49 | 2 7 | 4 35 | 0 32 | 14 58 | 1 27 | 20 25 | 16 20 | 8 54 | 9 7 | 11 26 | | n.a. |
| S 30 | 18s50 | 19n21 | 4s32 | 12s26 | 0n35 | 14s31 | 0n30 | 27n 4 | 3n 9 | 12s 1 | 0n41 | 17n48 | 2n 7 | 4s36 | 0n32 | 14s58 | 1n27 | 20n25 | 16n21 | 8n58 | 9n 8 | 11n24 | | n.a. |

Julian Day Number = 1002915.5, Delta T = 12h49m03s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'44, Lahiri = -31°04'43 Julian Calendar 1 Nov. 1968 BCE == Greg. Calendar 15 Oct. 1968 BCE


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# ASTRODIENST EPHEMERIS for the year 1968 BCE
# geocentric

## DECEMBER 1968 BCE (-1967) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 32 41 | 23♏49'16 | 15♋42 | 5♏ 4 | 10♏53 | 0°R18 | 2♏55 | 17♌52 | 12♎42 | 14♏ 2 | 16♍24 | 7°R16 | 6♍54 | 29♌ 2 | n.a. | M 1 |
| T 2 | 3 36 38 | 24°50'28 | 27°57 | 6°30 | 12° 9 | 0♋ 8 | 3° 8 | 17°53 | 12°45 | 14° 4 | 16°25 | 7♍11 | 6°51 | 29° 9 | n.a. | T 2 |
| W 3 | 3 40 34 | 25°51'40 | 9♌57 | 7°57 | 13°24 | 29♊57 | 3°21 | 17°55 | 12°48 | 14° 6 | 16°26 | 7° 8 | 6°48 | 29°15 | n.a. | W 3 |
| T 4 | 3 44 31 | 26°52'52 | 21°49 | 9°24 | 14°39 | 29°45 | 3°34 | 17°56 | 12°51 | 14° 8 | 16°28 | 7° 7 | 6°44 | 29°22 | n.a. | T 4 |
| F 5 | 3 48 28 | 27°54'03 | 3♍36 | 10°52 | 15°54 | 29°32 | 3°48 | 17°57 | 12°54 | 14°11 | 16°29 | 7° 7 | 6°41 | 29°29 | n.a. | F 5 |
| S 6 | 3 52 24 | 28°55'13 | 15°25 | 12°21 | 17°10 | 29°19 | 4° 1 | 17°57 | 12°56 | 14°13 | 16°30 | 7° 6 | 6°38 | 29°35 | n.a. | S 6 |
| S 7 | 3 56 21 | 29°56'22 | 27°22 | 13°50 | 18°25 | 29° 5 | 4°14 | 17°58 | 12°59 | 14°15 | 16°31 | 7° 5 | 6°35 | 29°42 | n.a. | S 7 |
| M 8 | 4 0 17 | 0♐57'31 | 9♎31 | 15°20 | 19°40 | 28°50 | 4°27 | 17°59 | 13° 2 | 14°17 | 16°32 | 7° 1 | 6°32 | 29°49 | n.a. | M 8 |
| T 9 | 4 4 14 | 1°58'39 | 21°56 | 16°51 | 20°56 | 28°35 | 4°40 | 17°59 | 13° 5 | 14°20 | 16°33 | 6°55 | 6°29 | 29°55 | n.a. | T 9 |
| W10 | 4 8 10 | 2°59'46 | 4♏40 | 18°22 | 22°11 | 28°18 | 4°53 | 18° 0 | 13° 7 | 14°22 | 16°34 | 6°46 | 6°25 | 0♍ 2 | n.a. | W10 |
| T 11 | 4 12 7 | 4° 0'52 | 17°46 | 19°54 | 23°26 | 28° 1 | 5° 6 | 18° 0 | 13°10 | 14°24 | 16°35 | 6°34 | 6°22 | 0° 9 | n.a. | T 11 |
| F 12 | 4 16 3 | 5° 1'57 | 1♐11 | 21°27 | 24°41 | 27°43 | 5°19 | 18° 0 | 13°13 | 14°26 | 16°36 | 6°21 | 6°19 | 0°15 | n.a. | F 12 |
| S 13 | 4 20 0 | 6° 3'01 | 14°54 | 23° 0 | 25°56 | 27°25 | 5°32 | 18°R 0 | 13°15 | 14°28 | 16°37 | 6° 7 | 6°16 | 0°22 | n.a. | S 13 |
| S 14 | 4 23 57 | 7° 4'04 | 28°51 | 24°34 | 27°12 | 27° 6 | 5°45 | 18° 0 | 13°18 | 14°30 | 16°37 | 5°55 | 6°13 | 0°29 | n.a. | S 14 |
| M15 | 4 27 53 | 8° 5'05 | 12♑58 | 26° 8 | 28°27 | 26°47 | 5°57 | 18° 0 | 13°21 | 14°33 | 16°38 | 5°45 | 6°10 | 0°35 | n.a. | M15 |
| T 16 | 4 31 50 | 9° 6'05 | 27° 9 | 27°43 | 29°42 | 26°26 | 6°10 | 18° 0 | 13°23 | 14°35 | 16°39 | 5°38 | 6° 6 | 0°42 | n.a. | T 16 |
| W17 | 4 35 46 | 10° 7'04 | 11♒21 | 29°19 | 0♐57 | 26° 6 | 6°23 | 18° 0 | 13°25 | 14°37 | 16°40 | 5°34 | 6° 3 | 0°48 | n.a. | W17 |
| T 18 | 4 39 43 | 11° 8'01 | 25°31 | 0♐56 | 2°12 | 25°45 | 6°35 | 17°59 | 13°28 | 14°39 | 16°40 | 5°33 | 6° 0 | 0°55 | n.a. | T 18 |
| F 19 | 4 43 39 | 12° 8'56 | 9♓37 | 2°33 | 3°27 | 25°23 | 6°48 | 17°59 | 13°30 | 14°41 | 16°41 | 5°33 | 5°57 | 1° 2 | n.a. | F 19 |
| S 20 | 4 47 36 | 13° 9'49 | 23°39 | 4°11 | 4°43 | 25° 1 | 7° 0 | 17°58 | 13°33 | 14°43 | 16°42 | 5°33 | 5°54 | 1° 8 | n.a. | S 20 |
| S 21 | 4 51 33 | 14°10'41 | 7♈36 | 5°49 | 5°58 | 24°39 | 7°12 | 17°57 | 13°35 | 14°45 | 16°42 | 5°31 | 5°50 | 1°15 | n.a. | S 21 |
| M22 | 4 55 29 | 15°11'31 | 21°28 | 7°29 | 7°13 | 24°16 | 7°25 | 17°57 | 13°37 | 14°47 | 16°43 | 5°27 | 5°47 | 1°22 | n.a. | M22 |
| T 23 | 4 59 26 | 16°12'19 | 5♉13 | 9° 9 | 8°28 | 23°53 | 7°37 | 17°56 | 13°39 | 14°49 | 16°43 | 5°20 | 5°44 | 1°28 | n.a. | T 23 |
| W24 | 5 3 22 | 17°13'05 | 18°50 | 10°50 | 9°43 | 23°30 | 7°49 | 17°55 | 13°41 | 14°51 | 16°44 | 5°10 | 5°41 | 1°35 | n.a. | W24 |
| T 25 | 5 7 19 | 18°13'50 | 2♊16 | 12°31 | 10°58 | 23° 6 | 8° 1 | 17°53 | 13°44 | 14°53 | 16°44 | 4°58 | 5°38 | 1°42 | n.a. | T 25 |
| F 26 | 5 11 15 | 19°14'33 | 15°29 | 14°14 | 12°13 | 22°42 | 8°13 | 17°52 | 13°46 | 14°55 | 16°44 | 4°45 | 5°35 | 1°48 | n.a. | F 26 |
| S 27 | 5 15 12 | 20°15'15 | 28°27 | 15°57 | 13°28 | 22°19 | 8°25 | 17°51 | 13°48 | 14°57 | 16°45 | 4°32 | 5°31 | 1°55 | n.a. | S 27 |
| S 28 | 5 19 8 | 21°15'55 | 11♋ 9 | 17°41 | 14°43 | 21°55 | 8°37 | 17°49 | 13°50 | 14°59 | 16°45 | 4°21 | 5°28 | 2° 2 | n.a. | S 28 |
| M29 | 5 23 5 | 22°16'34 | 23°35 | 19°26 | 15°58 | 21°31 | 8°49 | 17°48 | 13°51 | 15° 1 | 16°45 | 4°12 | 5°25 | 2° 8 | n.a. | M29 |
| T 30 | 5 27 2 | 23°17'10 | 5♌46 | 21°12 | 17°13 | 21° 7 | 9° 1 | 17°46 | 13°53 | 15° 3 | 16°46 | 4° 5 | 5°22 | 2°15 | n.a. | T 30 |
| W31 | 5 30 58 | 24♐17'46 | 17♌45 | 22♐58 | 18♐28 | 20♊43 | 9♏13 | 17♌44 | 13♎55 | 15♏ 5 | 16♍46 | 4♍ 2 | 5♍19 | 2♍21 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| M 1 | 19s 6 | 19n 3 | 3s57 | 13s 3 | 0n27 | 14s57 | 0n28 | 27n 7 | 3n12 | 12s 5 | 0n41 | 17n48 | 2n 8 | 4s37 | 0n32 | 14s59 | 1n27 | 20n25 | 16n21 | 9n 1 | 9n 9 | 11n23 | | | n.a. |
| T 2 | 19 21 | 17 51 | 3 12 | 13 39 | 0 20 | 15 23 | 0 25 | 27 10 | 3 15 | 12 10 | 0 41 | 17 48 | 2 8 | 4 39 | 0 32 | 15 0 | 1 27 | 20 25 | 16 22 | 9 3 | 9 10 | 11 21 | | | n.a. |
| W 3 | 19 36 | 15 53 | 2 19 | 14 15 | 0 12 | 15 48 | 0 23 | 27 12 | 3 17 | 12 15 | 0 41 | 17 48 | 2 8 | 4 40 | 0 32 | 15 0 | 1 27 | 20 25 | 16 22 | 9 4 | 9 12 | 11 20 | | | n.a. |
| T 4 | 19 51 | 13 15 | 1 20 | 14 50 | 0 5 | 16 14 | 0 21 | 27 15 | 3 20 | 12 19 | 0 41 | 17 48 | 2 9 | 4 41 | 0 32 | 15 1 | 1 27 | 20 25 | 16 23 | 9 4 | 9 13 | 11 18 | | | n.a. |
| F 5 | 20 5 | 10 6 | 0 19 | 15 25 | 0s 2 | 16 38 | 0 18 | 27 18 | 3 23 | 12 24 | 0 41 | 17 48 | 2 9 | 4 42 | 0 32 | 15 2 | 1 27 | 20 25 | 16 23 | 9 4 | 9 14 | 11 17 | | | n.a. |
| S 6 | 20 19 | 6 32 | 0n44 | 16 0 | 0 9 | 17 2 | 0 16 | 27 20 | 3 25 | 12 28 | 0 41 | 17 48 | 2 9 | 4 43 | 0 32 | 15 2 | 1 27 | 20 25 | 16 24 | 9 4 | 9 15 | 11 15 | | | n.a. |
| S 7 | 20 33 | 2 40 | 1 45 | 16 34 | 0 16 | 17 26 | 0 14 | 27 23 | 3 28 | 12 33 | 0 40 | 17 48 | 2 9 | 4 44 | 0 32 | 15 3 | 1 27 | 20 25 | 16 24 | 9 5 | 9 16 | 11 14 | | | n.a. |
| M 8 | 20 46 | 1s21 | 2 43 | 17 8 | 0 23 | 17 50 | 0 11 | 27 25 | 3 30 | 12 38 | 0 40 | 17 48 | 2 10 | 4 45 | 0 32 | 15 4 | 1 27 | 20 25 | 16 25 | 9 6 | 9 18 | 11 12 | | | n.a. |
| T 9 | 20 58 | 5 25 | 3 34 | 17 41 | 0 30 | 18 12 | 0 9 | 27 27 | 3 33 | 12 42 | 0 40 | 17 48 | 2 10 | 4 46 | 0 32 | 15 4 | 1 27 | 20 25 | 16 25 | 9 9 | 9 19 | 11 10 | | | n.a. |
| W10 | 21 11 | 9 20 | 4 15 | 18 13 | 0 36 | 18 35 | 0 6 | 27 30 | 3 35 | 12 47 | 0 40 | 17 48 | 2 10 | 4 47 | 0 32 | 15 5 | 1 27 | 20 25 | 16 26 | 9 12 | 9 20 | 11 9 | | | n.a. |
| T 11 | 21 22 | 12 55 | 4 45 | 18 45 | 0 43 | 18 57 | 0 4 | 27 32 | 3 38 | 12 51 | 0 40 | 17 48 | 2 11 | 4 49 | 0 32 | 15 6 | 1 27 | 20 25 | 16 26 | 9 17 | 9 21 | 11 7 | | | n.a. |
| F 12 | 21 34 | 15 56 | 4 59 | 19 16 | 0 49 | 19 18 | 0 1 | 27 34 | 3 40 | 12 55 | 0 40 | 17 48 | 2 11 | 4 50 | 0 32 | 15 6 | 1 27 | 20 26 | 16 27 | 9 22 | 9 22 | 11 6 | | | n.a. |
| S 13 | 21 45 | 18 8 | 4 57 | 19 47 | 0 55 | 19 39 | 0s 1 | 27 36 | 3 42 | 13 0 | 0 40 | 17 49 | 2 11 | 4 51 | 0 32 | 15 7 | 1 27 | 20 26 | 16 27 | 9 27 | 9 24 | 11 4 | | | n.a. |
| S 14 | 21 55 | 19 18 | 4 37 | 20 16 | 1 1 | 19 59 | 0 3 | 27 38 | 3 45 | 13 4 | 0 40 | 17 49 | 2 11 | 4 52 | 0 32 | 15 8 | 1 27 | 20 26 | 16 28 | 9 31 | 9 25 | 11 3 | | | n.a. |
| M15 | 22 6 | 19 17 | 4 0 | 20 45 | 1 6 | 20 18 | 0 6 | 27 40 | 3 47 | 13 9 | 0 40 | 17 49 | 2 12 | 4 53 | 0 32 | 15 8 | 1 27 | 20 26 | 16 29 | 9 35 | 9 26 | 11 1 | | | n.a. |
| T 16 | 22 15 | 18 4 | 3 8 | 21 13 | 1 12 | 20 37 | 0 8 | 27 41 | 3 49 | 13 13 | 0 40 | 17 50 | 2 12 | 4 54 | 0 32 | 15 9 | 1 27 | 20 26 | 16 29 | 9 38 | 9 27 | 10 59 | | | n.a. |
| W17 | 22 25 | 15 44 | 2 4 | 21 39 | 1 17 | 20 56 | 0 11 | 27 43 | 3 51 | 13 17 | 0 40 | 17 50 | 2 12 | 4 55 | 0 32 | 15 9 | 1 27 | 20 26 | 16 30 | 9 39 | 9 28 | 10 58 | | | n.a. |
| T 18 | 22 34 | 12 27 | 0 53 | 22 5 | 1 22 | 21 14 | 0 13 | 27 44 | 3 53 | 13 21 | 0 40 | 17 50 | 2 12 | 4 55 | 0 32 | 15 10 | 1 27 | 20 27 | 16 30 | 9 40 | 9 29 | 10 56 | | | n.a. |
| F 19 | 22 42 | 8 27 | 0s22 | 22 30 | 1 27 | 21 31 | 0 15 | 27 45 | 3 55 | 13 26 | 0 40 | 17 51 | 2 13 | 4 56 | 0 32 | 15 11 | 1 27 | 20 27 | 16 31 | 9 40 | 9 31 | 10 55 | | | n.a. |
| S 20 | 22 50 | 4 1 | 1 34 | 22 54 | 1 31 | 21 48 | 0 18 | 27 46 | 3 57 | 13 30 | 0 40 | 17 51 | 2 13 | 4 57 | 0 32 | 15 11 | 1 27 | 20 27 | 16 31 | 9 40 | 9 32 | 10 53 | | | n.a. |
| S 21 | 22 58 | 0n37 | 2 41 | 23 16 | 1 35 | 22 4 | 0 20 | 27 47 | 3 59 | 13 34 | 0 40 | 17 52 | 2 13 | 4 58 | 0 32 | 15 12 | 1 27 | 20 27 | 16 32 | 9 40 | 9 33 | 10 52 | | | n.a. |
| M22 | 23 5 | 5 11 | 3 38 | 23 37 | 1 39 | 22 19 | 0 22 | 27 48 | 4 0 | 13 38 | 0 40 | 17 52 | 2 14 | 4 59 | 0 32 | 15 12 | 1 27 | 20 28 | 16 32 | 9 42 | 9 34 | 10 50 | | | n.a. |
| T 23 | 23 11 | 9 26 | 4 21 | 23 57 | 1 43 | 22 33 | 0 24 | 27 48 | 4 2 | 13 42 | 0 40 | 17 53 | 2 14 | 5 0 | 0 32 | 15 13 | 1 27 | 20 28 | 16 33 | 9 45 | 9 35 | 10 48 | | | n.a. |
| W24 | 23 17 | 13 8 | 4 49 | 24 16 | 1 46 | 22 47 | 0 27 | 27 49 | 4 4 | 13 46 | 0 40 | 17 53 | 2 14 | 5 1 | 0 32 | 15 14 | 1 27 | 20 28 | 16 33 | 9 48 | 9 37 | 10 47 | | | n.a. |
| T 25 | 23 23 | 16 7 | 5 1 | 24 33 | 1 49 | 23 1 | 0 29 | 27 49 | 4 5 | 13 50 | 0 40 | 17 54 | 2 14 | 5 2 | 0 32 | 15 14 | 1 27 | 20 28 | 16 34 | 9 53 | 9 38 | 10 45 | | | n.a. |
| F 26 | 23 28 | 18 12 | 4 56 | 24 48 | 1 51 | 23 13 | 0 31 | 27 49 | 4 6 | 13 54 | 0 40 | 17 55 | 2 15 | 5 2 | 0 32 | 15 15 | 1 27 | 20 29 | 16 34 | 9 58 | 9 39 | 10 44 | | | n.a. |
| S 27 | 23 33 | 19 19 | 4 36 | 25 3 | 1 54 | 23 25 | 0 33 | 27 49 | 4 8 | 13 58 | 0 40 | 17 55 | 2 15 | 5 3 | 0 32 | 15 15 | 1 27 | 20 29 | 16 35 | 10 2 | 9 40 | 10 42 | | | n.a. |
| S 28 | 23 37 | 19 25 | 4 2 | 25 15 | 1 55 | 23 37 | 0 35 | 27 48 | 4 9 | 14 2 | 0 40 | 17 56 | 2 15 | 5 4 | 0 32 | 15 16 | 1 27 | 20 29 | 16 35 | 10 7 | 9 41 | 10 40 | | | n.a. |
| M29 | 23 41 | 18 34 | 3 17 | 25 26 | 1 57 | 23 47 | 0 38 | 27 48 | 4 10 | 14 6 | 0 40 | 17 57 | 2 15 | 5 5 | 0 32 | 15 16 | 1 27 | 20 30 | 16 36 | 10 10 | 9 43 | 10 39 | | | n.a. |
| T 30 | 23 45 | 16 53 | 2 24 | 25 35 | 1 58 | 23 57 | 0 40 | 27 47 | 4 11 | 14 10 | 0 40 | 17 58 | 2 16 | 5 5 | 0 32 | 15 17 | 1 27 | 20 30 | 16 37 | 10 12 | 9 44 | 10 37 | | | n.a. |
| W31 | 23s48 | 14n28 | 1s26 | 25s42 | 1s58 | 24s 6 | 0s42 | 27n46 | 4n12 | 14s14 | 0n40 | 17n58 | 2n16 | 5s 6 | 0n32 | 15s18 | 1n27 | 20n31 | 16n37 | 10n14 | 9n45 | 10n36 | | | n.a. |

Julian Day Number = 1002945.5, Delta T = 12h49m01s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'40, Lahiri = -31°04'39 Julian Calendar 1 Dec. 1968 BCE == Greg. Calendar 14 Nov. 1968 BCE

The year -1967 astronomical counting style corresponds to year 1968 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## JANUARY 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 34 55 | 25♐18'20 | 29♌36 | 24♐46 | 19♐43 | 20°R19 | 9♏24 | 17°R43 | 13♎57 | 15♏ 7 | 16♍46 | 4°D 0 | 5♍16 | 2♍28 | n.a. | T 1 |
| F 2 | 5 38 51 | 26°18'52 | 11♍24 | 26°34 | 20°58 | 19♊56 | 9°36 | 17♌41 | 13°59 | 15° 8 | 16°46 | 4♍ 0 | 5°12 | 2°35 | n.a. | F 2 |
| S 3 | 5 42 48 | 27°19'22 | 23°12 | 28°23 | 22°13 | 19°32 | 9°47 | 17°39 | 14° 0 | 15°10 | 16°46 | 4°R 1 | 5° 9 | 2°41 | n.a. | S 3 |
| S 4 | 5 46 44 | 28°19'52 | 5♎ 9 | 0♑13 | 23°27 | 19° 9 | 9°58 | 17°37 | 14° 2 | 15°12 | 16°46 | 4° 1 | 5° 6 | 2°48 | n.a. | S 4 |
| M 5 | 5 50 41 | 29°20'19 | 17°17 | 2° 4 | 24°42 | 18°46 | 10°10 | 17°34 | 14° 4 | 15°14 | 16°R46 | 3°59 | 5° 3 | 2°55 | n.a. | M 5 |
| T 6 | 5 54 37 | 0♑20'45 | 29°43 | 3°55 | 25°57 | 18°24 | 10°21 | 17°32 | 14° 5 | 15°15 | 16°46 | 3°55 | 5° 0 | 3° 1 | n.a. | T 6 |
| W 7 | 5 58 34 | 1°21'10 | 12♏31 | 5°47 | 27°12 | 18° 1 | 10°32 | 17°30 | 14° 7 | 15°17 | 16°46 | 3°49 | 4°56 | 3° 8 | n.a. | W 7 |
| T 8 | 6 2 31 | 2°21'32 | 25°44 | 7°39 | 28°27 | 17°39 | 10°43 | 17°27 | 14° 8 | 15°19 | 16°46 | 3°40 | 4°53 | 3°15 | n.a. | T 8 |
| F 9 | 6 6 27 | 3°21'53 | 9♐21 | 9°32 | 29°42 | 17°18 | 10°54 | 17°25 | 14° 9 | 15°21 | 16°46 | 3°30 | 4°50 | 3°21 | n.a. | F 9 |
| S 10 | 6 10 24 | 4°22'13 | 23°21 | 11°26 | 0♑57 | 16°57 | 11° 5 | 17°22 | 14°11 | 15°22 | 16°46 | 3°20 | 4°47 | 3°28 | n.a. | S 10 |
| S 11 | 6 14 20 | 5°22'30 | 7♑41 | 13°19 | 2°11 | 16°37 | 11°15 | 17°19 | 14°12 | 15°24 | 16°46 | 3°10 | 4°44 | 3°35 | n.a. | S 11 |
| M12 | 6 18 17 | 6°22'46 | 22°13 | 15°12 | 3°26 | 16°17 | 11°26 | 17°16 | 14°13 | 15°26 | 16°45 | 3° 3 | 4°41 | 3°41 | n.a. | M12 |
| T 13 | 6 22 13 | 7°22'59 | 6♒51 | 17° 6 | 4°41 | 15°57 | 11°37 | 17°13 | 14°14 | 15°27 | 16°45 | 2°57 | 4°37 | 3°48 | n.a. | T 13 |
| W14 | 6 26 10 | 8°23'10 | 21°29 | 18°58 | 5°56 | 15°39 | 11°47 | 17°10 | 14°15 | 15°29 | 16°45 | 2°55 | 4°34 | 3°55 | n.a. | W14 |
| T 15 | 6 30 6 | 9°23'19 | 6♓ 0 | 20°50 | 7°11 | 15°21 | 11°57 | 17° 7 | 14°17 | 15°30 | 16°45 | 2°D54 | 4°31 | 4° 1 | n.a. | T 15 |
| F 16 | 6 34 3 | 10°23'25 | 20°20 | 22°41 | 8°25 | 15° 3 | 12° 8 | 17° 4 | 14°18 | 15°32 | 16°44 | 2°55 | 4°28 | 4° 8 | n.a. | F 16 |
| S 17 | 6 38 0 | 11°23'29 | 4♈28 | 24°30 | 9°40 | 14°47 | 12°18 | 17° 1 | 14°19 | 15°33 | 16°44 | 2°56 | 4°25 | 4°14 | n.a. | S 17 |
| S 18 | 6 41 56 | 12°23'31 | 18°23 | 26°18 | 10°55 | 14°30 | 12°28 | 16°58 | 14°19 | 15°35 | 16°43 | 2°R56 | 4°22 | 4°21 | n.a. | S 18 |
| M19 | 6 45 53 | 13°23'30 | 2♉ 3 | 28° 3 | 12° 9 | 14°15 | 12°38 | 16°54 | 14°20 | 15°36 | 16°43 | 2°54 | 4°18 | 4°28 | n.a. | M19 |
| T 20 | 6 49 49 | 14°23'27 | 15°31 | 29°45 | 13°24 | 14° 1 | 12°47 | 16°51 | 14°21 | 15°37 | 16°42 | 2°50 | 4°15 | 4°34 | n.a. | T 20 |
| W21 | 6 53 46 | 15°23'21 | 28°46 | 1♒24 | 14°39 | 13°47 | 12°57 | 16°47 | 14°22 | 15°39 | 16°42 | 2°45 | 4°12 | 4°41 | n.a. | W21 |
| T 22 | 6 57 42 | 16°23'14 | 11♊48 | 2°59 | 15°53 | 13°34 | 13° 7 | 16°44 | 14°23 | 15°40 | 16°41 | 2°37 | 4° 9 | 4°48 | n.a. | T 22 |
| F 23 | 7 1 39 | 17°23'04 | 24°38 | 4°30 | 17° 8 | 13°21 | 13°16 | 16°40 | 14°23 | 15°42 | 16°41 | 2°29 | 4° 6 | 4°54 | n.a. | F 23 |
| S 24 | 7 5 35 | 18°22'51 | 7♋16 | 5°55 | 18°23 | 13°10 | 13°25 | 16°36 | 14°24 | 15°43 | 16°40 | 2°21 | 4° 2 | 5° 1 | n.a. | S 24 |
| S 25 | 7 9 32 | 19°22'37 | 19°41 | 7°16 | 19°37 | 12°59 | 13°35 | 16°33 | 14°24 | 15°44 | 16°39 | 2°13 | 3°59 | 5° 8 | n.a. | S 25 |
| M26 | 7 13 29 | 20°22'20 | 1♌55 | 8°30 | 20°52 | 12°49 | 13°44 | 16°29 | 14°25 | 15°45 | 16°39 | 2° 8 | 3°56 | 5°14 | n.a. | M26 |
| T 27 | 7 17 25 | 21°22'01 | 13°58 | 9°38 | 22° 6 | 12°40 | 13°53 | 16°25 | 14°25 | 15°47 | 16°38 | 2° 4 | 3°53 | 5°21 | n.a. | T 27 |
| W28 | 7 21 22 | 22°21'40 | 25°53 | 10°39 | 23°21 | 12°32 | 14° 2 | 16°21 | 14°26 | 15°48 | 16°37 | 2° 2 | 3°50 | 5°28 | n.a. | W28 |
| T 29 | 7 25 18 | 23°21'17 | 7♍42 | 11°32 | 24°35 | 12°24 | 14°10 | 16°17 | 14°26 | 15°49 | 16°36 | 2°D 2 | 3°47 | 5°34 | n.a. | T 29 |
| F 30 | 7 29 15 | 24°20'52 | 19°29 | 12°18 | 25°50 | 12°17 | 14°19 | 16°13 | 14°26 | 15°50 | 16°36 | 2° 3 | 3°43 | 5°41 | n.a. | F 30 |
| S 31 | 7 33 11 | 25♑20'25 | 1♎18 | 12♒56 | 27♑ 4 | 12♊11 | 14♏27 | 16♌ 9 | 14♎26 | 15♏51 | 16♍35 | 2♍ 5 | 3♍40 | 5♍48 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 23 s50 | 11n28 | 0 s23 | 25 s47 | 1 s59 | 24 s14 | 0 s44 | 27n45 | 4n12 | 14 s17 | 0n40 | 17n59 | 2n16 | 5 s 7 | 0n32 | 15 s18 | 1n27 | 20n31 | 16n38 | 10n14 | 9n46 | 10n34 | | | n.a. |
| F 2 | 23 52 | 8 2 | 0n39 | 25 51 | 1 58 | 24 22 | 0 46 | 27 44 | 4 13 | 14 21 | 0 39 | 18 0 | 2 16 | 5 7 | 0 32 | 15 19 | 1 27 | 20 31 | 16 38 | 10 14 | 9 47 | 10 32 | | | n.a. |
| S 3 | 23 53 | 4 17 | 1 41 | 25 52 | 1 57 | 24 29 | 0 48 | 27 42 | 4 14 | 14 25 | 0 39 | 18 1 | 2 17 | 5 8 | 0 32 | 15 19 | 1 27 | 20 32 | 16 39 | 10 14 | 9 49 | 10 31 | | | n.a. |
| S 4 | 23 54 | 0 20 | 2 38 | 25 51 | 1 56 | 24 35 | 0 50 | 27 41 | 4 14 | 14 29 | 0 39 | 18 2 | 2 17 | 5 9 | 0 33 | 15 20 | 1 28 | 20 32 | 16 39 | 10 14 | 9 50 | 10 29 | | | n.a. |
| M 5 | 23 55 | 3 s42 | 3 30 | 25 48 | 1 54 | 24 40 | 0 51 | 27 39 | 4 14 | 14 32 | 0 39 | 18 3 | 2 17 | 5 9 | 0 33 | 15 20 | 1 28 | 20 33 | 16 40 | 10 15 | 9 51 | 10 28 | | | n.a. |
| T 6 | 23 55 | 7 40 | 4 13 | 25 43 | 1 52 | 24 45 | 0 53 | 27 37 | 4 15 | 14 36 | 0 39 | 18 4 | 2 17 | 5 10 | 0 33 | 15 21 | 1 28 | 20 33 | 16 40 | 10 16 | 9 52 | 10 26 | | | n.a. |
| W 7 | 23 55 | 11 24 | 4 44 | 25 36 | 1 49 | 24 48 | 0 55 | 27 36 | 4 15 | 14 39 | 0 39 | 18 5 | 2 18 | 5 10 | 0 33 | 15 21 | 1 28 | 20 34 | 16 41 | 10 18 | 9 53 | 10 24 | | | n.a. |
| T 8 | 23 54 | 14 42 | 5 2 | 25 26 | 1 45 | 24 51 | 0 57 | 27 33 | 4 15 | 14 43 | 0 39 | 18 6 | 2 18 | 5 11 | 0 33 | 15 22 | 1 28 | 20 34 | 16 41 | 10 22 | 9 54 | 10 23 | | | n.a. |
| F 9 | 23 52 | 17 18 | 5 3 | 25 15 | 1 41 | 24 54 | 0 59 | 27 31 | 4 15 | 14 46 | 0 39 | 18 7 | 2 18 | 5 11 | 0 33 | 15 22 | 1 28 | 20 35 | 16 42 | 10 25 | 9 56 | 10 21 | | | n.a. |
| S 10 | 23 51 | 18 59 | 4 46 | 25 0 | 1 36 | 24 55 | 1 0 | 27 29 | 4 15 | 14 50 | 0 39 | 18 8 | 2 18 | 5 12 | 0 33 | 15 22 | 1 28 | 20 35 | 16 42 | 10 29 | 9 57 | 10 19 | | | n.a. |
| S 11 | 23 48 | 19 30 | 4 12 | 24 44 | 1 30 | 24 56 | 1 2 | 27 27 | 4 14 | 14 53 | 0 39 | 18 9 | 2 19 | 5 12 | 0 33 | 15 23 | 1 28 | 20 36 | 16 43 | 10 33 | 9 58 | 10 18 | | | n.a. |
| M12 | 23 46 | 18 45 | 3 20 | 24 25 | 1 24 | 24 56 | 1 3 | 27 24 | 4 14 | 14 57 | 0 39 | 18 10 | 2 19 | 5 13 | 0 33 | 15 23 | 1 28 | 20 37 | 16 43 | 10 35 | 9 59 | 10 16 | | | n.a. |
| T 13 | 23 42 | 16 45 | 2 15 | 24 4 | 1 17 | 24 55 | 1 5 | 27 22 | 4 14 | 15 0 | 0 39 | 18 11 | 2 19 | 5 13 | 0 33 | 15 24 | 1 28 | 20 37 | 16 44 | 10 37 | 10 0 | 10 15 | | | n.a. |
| W14 | 23 39 | 13 40 | 1 1 | 23 41 | 1 9 | 24 53 | 1 6 | 27 19 | 4 13 | 15 3 | 0 39 | 18 12 | 2 19 | 5 14 | 0 33 | 15 24 | 1 28 | 20 38 | 16 44 | 10 38 | 10 2 | 10 13 | | | n.a. |
| T 15 | 23 35 | 9 45 | 0 s17 | 23 16 | 1 1 | 24 51 | 1 8 | 27 16 | 4 12 | 15 6 | 0 39 | 18 13 | 2 20 | 5 14 | 0 33 | 15 25 | 1 28 | 20 38 | 16 45 | 10 38 | 10 3 | 10 11 | | | n.a. |
| F 16 | 23 30 | 5 19 | 1 32 | 22 49 | 0 52 | 24 48 | 1 9 | 27 14 | 4 12 | 15 10 | 0 39 | 18 15 | 2 20 | 5 15 | 0 33 | 15 25 | 1 28 | 20 39 | 16 45 | 10 38 | 10 4 | 10 10 | | | n.a. |
| S 17 | 23 25 | 0 39 | 2 42 | 22 20 | 0 42 | 24 44 | 1 10 | 27 11 | 4 11 | 15 13 | 0 39 | 18 16 | 2 20 | 5 15 | 0 33 | 15 26 | 1 28 | 20 39 | 16 46 | 10 38 | 10 5 | 10 8 | | | n.a. |
| S 18 | 23 20 | 3n58 | 3 40 | 21 49 | 0 31 | 24 39 | 1 12 | 27 8 | 4 10 | 15 16 | 0 39 | 18 17 | 2 20 | 5 15 | 0 33 | 15 26 | 1 28 | 20 40 | 16 46 | 10 38 | 10 6 | 10 6 | | | n.a. |
| M19 | 23 14 | 8 17 | 4 25 | 21 17 | 0 20 | 24 34 | 1 13 | 27 6 | 4 9 | 15 19 | 0 39 | 18 18 | 2 20 | 5 16 | 0 33 | 15 26 | 1 28 | 20 41 | 16 47 | 10 38 | 10 7 | 10 5 | | | n.a. |
| T 20 | 23 7 | 12 8 | 4 54 | 20 44 | 0 8 | 24 27 | 1 14 | 27 3 | 4 8 | 15 22 | 0 39 | 18 20 | 2 21 | 5 16 | 0 33 | 15 27 | 1 28 | 20 41 | 16 47 | 10 40 | 10 9 | 10 3 | | | n.a. |
| W21 | 23 1 | 15 17 | 5 7 | 20 10 | 0n 5 | 24 20 | 1 15 | 27 0 | 4 7 | 15 25 | 0 39 | 18 21 | 2 21 | 5 16 | 0 33 | 15 27 | 1 28 | 20 42 | 16 48 | 10 42 | 10 10 | 10 1 | | | n.a. |
| T 22 | 22 53 | 17 38 | 5 4 | 19 36 | 0 18 | 24 13 | 1 16 | 26 57 | 4 6 | 15 28 | 0 39 | 18 22 | 2 21 | 5 16 | 0 33 | 15 27 | 1 28 | 20 43 | 16 48 | 10 45 | 10 11 | 10 0 | | | n.a. |
| F 23 | 22 46 | 19 3 | 4 46 | 19 1 | 0 31 | 24 4 | 1 17 | 26 55 | 4 5 | 15 31 | 0 39 | 18 23 | 2 21 | 5 17 | 0 33 | 15 28 | 1 28 | 20 43 | 16 49 | 10 48 | 10 12 | 9 58 | | | n.a. |
| S 24 | 22 38 | 19 30 | 4 13 | 18 26 | 0 45 | 23 55 | 1 18 | 26 52 | 4 4 | 15 34 | 0 39 | 18 25 | 2 21 | 5 17 | 0 33 | 15 28 | 1 28 | 20 44 | 16 49 | 10 51 | 10 13 | 9 56 | | | n.a. |
| S 25 | 22 29 | 18 59 | 3 29 | 17 52 | 1 0 | 23 45 | 1 19 | 26 49 | 4 3 | 15 37 | 0 39 | 18 26 | 2 21 | 5 17 | 0 33 | 15 28 | 1 28 | 20 45 | 16 50 | 10 54 | 10 15 | 9 55 | | | n.a. |
| M26 | 22 20 | 17 36 | 2 36 | 17 18 | 1 14 | 23 35 | 1 20 | 26 47 | 4 2 | 15 39 | 0 39 | 18 28 | 2 22 | 5 17 | 0 33 | 15 29 | 1 28 | 20 45 | 16 50 | 10 56 | 10 16 | 9 53 | | | n.a. |
| T 27 | 22 11 | 15 25 | 1 37 | 16 46 | 1 29 | 23 23 | 1 21 | 26 44 | 4 0 | 15 42 | 0 39 | 18 29 | 2 22 | 5 17 | 0 33 | 15 29 | 1 28 | 20 46 | 16 51 | 10 57 | 10 17 | 9 51 | | | n.a. |
| W28 | 22 1 | 12 37 | 0 33 | 16 15 | 1 44 | 23 11 | 1 21 | 26 42 | 3 59 | 15 45 | 0 39 | 18 30 | 2 22 | 5 17 | 0 33 | 15 29 | 1 28 | 20 47 | 16 51 | 10 58 | 10 18 | 9 50 | | | n.a. |
| T 29 | 21 51 | 9 20 | 0n31 | 15 47 | 1 58 | 22 59 | 1 22 | 26 39 | 3 58 | 15 47 | 0 39 | 18 32 | 2 22 | 5 18 | 0 33 | 15 30 | 1 28 | 20 48 | 16 52 | 10 58 | 10 19 | 9 48 | | | n.a. |
| F 30 | 21 41 | 5 41 | 1 34 | 15 20 | 2 12 | 22 45 | 1 23 | 26 37 | 3 56 | 15 50 | 0 39 | 18 33 | 2 22 | 5 18 | 0 33 | 15 30 | 1 28 | 20 48 | 16 52 | 10 57 | 10 20 | 9 46 | | | n.a. |
| S 31 | 21 s30 | 1n48 | 2n33 | 14 s56 | 2n26 | 22 s31 | 1 s23 | 26n35 | 3n55 | 15 s53 | 0n39 | 18n34 | 2n23 | 5 s18 | 0n33 | 15 s30 | 1n28 | 20n49 | 16n52 | 10n57 | 10n22 | 9n45 | | | n.a. |

Julian Day Number = 1002976.5, Delta T = 12h48m59s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'35, Lahiri = -31°04'35 Julian Calendar 1 Jan. 1967 BCE == Greg. Calendar 15 Dec. 1968 BCE

The year -1966 astronomical counting style corresponds to year 1967 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## FEBRUARY 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 37 8 | 26♉19'56 | 13♎14 | 13♒26 | 28♉19 | 12°R 6 | 14♏36 | 16°R 5 | 14♎27 | 15♏52 | 16°R34 | 2♍ 6 | 3♍37 | 5♍54 | n.a. | S 1 |
| M 2 | 7 41 4 | 27°19'25 | 25°21 | 13°48 | 29°33 | 12♊ 1 | 14°44 | 16♌ 0 | 14°27 | 15°53 | 16♍33 | 2°R 7 | 3°34 | 6° 1 | n.a. | M 2 |
| T 3 | 7 45 1 | 28°18'52 | 7♏46 | 14° 2 | 0♒48 | 11°58 | 14°52 | 15°56 | 14°27 | 15°54 | 16°32 | 2° 7 | 3°31 | 6° 7 | n.a. | T 3 |
| W 4 | 7 48 57 | 29°18'18 | 20°31 | 14°R 7 | 2° 2 | 11°55 | 15° 0 | 15°52 | 14°R27 | 15°55 | 16°31 | 2° 5 | 3°28 | 6°14 | n.a. | W 4 |
| T 5 | 7 52 54 | 0♒17'41 | 3♐41 | 14° 4 | 3°17 | 11°53 | 15° 8 | 15°48 | 14°27 | 15°56 | 16°30 | 2° 2 | 3°24 | 6°21 | n.a. | T 5 |
| F 6 | 7 56 51 | 1°17'02 | 17°18 | 13°54 | 4°31 | 11°51 | 15°16 | 15°43 | 14°27 | 15°57 | 16°29 | 1°57 | 3°21 | 6°27 | n.a. | F 6 |
| S 7 | 8 0 47 | 2°16'22 | 1♉22 | 13°36 | 5°46 | 11°D50 | 15°23 | 15°39 | 14°27 | 15°58 | 16°28 | 1°53 | 3°18 | 6°34 | n.a. | S 7 |
| S 8 | 8 4 44 | 3°15'39 | 15°51 | 13°11 | 7° 0 | 11°51 | 15°30 | 15°34 | 14°26 | 15°59 | 16°27 | 1°49 | 3°15 | 6°41 | n.a. | S 8 |
| M 9 | 8 8 40 | 4°14'54 | 0♒37 | 12°40 | 8°14 | 11°51 | 15°38 | 15°30 | 14°26 | 15°59 | 16°26 | 1°45 | 3°12 | 6°47 | n.a. | M 9 |
| T 10 | 8 12 37 | 5°14'07 | 15°35 | 12° 3 | 9°29 | 11°53 | 15°45 | 15°26 | 14°26 | 16° 0 | 16°25 | 1°43 | 3° 8 | 6°54 | n.a. | T 10 |
| W11 | 8 16 33 | 6°13'18 | 0♓36 | 11°22 | 10°43 | 11°55 | 15°52 | 15°21 | 14°25 | 16° 1 | 16°24 | 1°D42 | 3° 5 | 7° 1 | n.a. | W11 |
| T 12 | 8 20 30 | 7°12'26 | 15°30 | 10°37 | 11°57 | 11°58 | 15°59 | 15°17 | 14°25 | 16° 2 | 16°22 | 1°43 | 3° 2 | 7° 7 | n.a. | T 12 |
| F 13 | 8 24 26 | 8°11'32 | 0♈12 | 9°49 | 13°12 | 12° 2 | 16° 5 | 15°12 | 14°24 | 16° 2 | 16°21 | 1°44 | 2°59 | 7°14 | n.a. | F 13 |
| S 14 | 8 28 23 | 9°10'35 | 14°37 | 8°59 | 14°26 | 12° 6 | 16°12 | 15° 7 | 14°24 | 16° 3 | 16°20 | 1°45 | 2°56 | 7°21 | n.a. | S 14 |
| S 15 | 8 32 19 | 10° 9'36 | 28°41 | 8° 9 | 15°40 | 12°12 | 16°18 | 15° 3 | 14°23 | 16° 4 | 16°19 | 1°47 | 2°53 | 7°27 | n.a. | S 15 |
| M16 | 8 36 16 | 11° 8'34 | 12♉24 | 7°18 | 16°54 | 12°17 | 16°24 | 14°58 | 14°23 | 16° 4 | 16°17 | 1°R47 | 2°49 | 7°34 | n.a. | M16 |
| T 17 | 8 40 13 | 12° 7'30 | 25°46 | 6°29 | 18° 9 | 12°24 | 16°30 | 14°54 | 14°22 | 16° 5 | 16°16 | 1°46 | 2°46 | 7°41 | n.a. | T 17 |
| W18 | 8 44 9 | 13° 6'23 | 8♊50 | 5°42 | 19°23 | 12°31 | 16°36 | 14°49 | 14°21 | 16° 5 | 16°15 | 1°45 | 2°43 | 7°47 | n.a. | W18 |
| T 19 | 8 48 6 | 14° 5'14 | 21°37 | 4°58 | 20°37 | 12°38 | 16°42 | 14°45 | 14°21 | 16° 6 | 16°13 | 1°43 | 2°40 | 7°54 | n.a. | T 19 |
| F 20 | 8 52 2 | 15° 4'03 | 4♋10 | 4°18 | 21°51 | 12°47 | 16°48 | 14°40 | 14°20 | 16° 6 | 16°12 | 1°40 | 2°37 | 8° 0 | n.a. | F 20 |
| S 21 | 8 55 59 | 16° 2'49 | 16°30 | 3°41 | 23° 5 | 12°56 | 16°53 | 14°35 | 14°19 | 16° 7 | 16°11 | 1°38 | 2°34 | 8° 7 | n.a. | S 21 |
| S 22 | 8 59 55 | 17° 1'33 | 28°39 | 3° 9 | 24°19 | 13° 5 | 16°58 | 14°31 | 14°18 | 16° 7 | 16° 9 | 1°36 | 2°30 | 8°14 | n.a. | S 22 |
| M23 | 9 3 52 | 18° 0'14 | 10♌41 | 2°42 | 25°34 | 13°15 | 17° 4 | 14°26 | 14°17 | 16° 7 | 16° 8 | 1°34 | 2°27 | 8°20 | n.a. | M23 |
| T 24 | 9 7 48 | 18°58'54 | 22°35 | 2°20 | 26°48 | 13°26 | 17° 8 | 14°22 | 14°16 | 16° 8 | 16° 6 | 1°33 | 2°24 | 8°27 | n.a. | T 24 |
| W25 | 9 11 45 | 19°57'31 | 4♍25 | 2° 4 | 28° 2 | 13°37 | 17°13 | 14°17 | 14°15 | 16° 8 | 16° 5 | 1°D33 | 2°21 | 8°34 | n.a. | W25 |
| T 26 | 9 15 41 | 20°56'06 | 16°13 | 1°53 | 29°16 | 13°49 | 17°18 | 14°13 | 14°14 | 16° 8 | 16° 4 | 1°34 | 2°18 | 8°40 | n.a. | T 26 |
| F 27 | 9 19 38 | 21°54'40 | 28° 1 | 1°47 | 0♓30 | 14° 1 | 17°22 | 14° 8 | 14°13 | 16° 8 | 16° 2 | 1°34 | 2°14 | 8°47 | n.a. | F 27 |
| S 28 | 9 23 35 | 22♒53'11 | 9♎53 | 1°D46 | 1♓44 | 14♊14 | 17♏27 | 14♌ 4 | 14♎12 | 16♏ 9 | 16♍ 1 | 1♍35 | 2♍11 | 8♍54 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 21s18 | 2s10 | 3n26 | 14s35 | 2n39 | 22s16 | 1s24 | 26n33 | 3n53 | 15s55 | 0n39 | 18n36 | 2n23 | 5s18 | 0n33 | 15s31 | 1n28 | 20n50 | 16n53 | 10n56 | 10n23 | 9n43 | | | n.a. |
| M 2 | 21 7 | 6 7 | 4 11 | 14 16 | 2 52 | 22 1 | 1 24 | 26 31 | 3 52 | 15 58 | 0 39 | 18 37 | 2 23 | 5 18 | 0 33 | 15 31 | 1 28 | 20 51 | 16 53 | 10 56 | 10 24 | 9 41 | | | n.a. |
| T 3 | 20 55 | 9 53 | 4 46 | 14 1 | 3 4 | 21 45 | 1 24 | 26 29 | 3 50 | 16 0 | 0 39 | 18 39 | 2 23 | 5 18 | 0 33 | 15 31 | 1 28 | 20 51 | 16 54 | 10 56 | 10 25 | 9 40 | | | n.a. |
| W 4 | 20 42 | 13 18 | 5 7 | 13 50 | 3 14 | 21 28 | 1 25 | 26 27 | 3 49 | 16 2 | 0 39 | 18 40 | 2 23 | 5 18 | 0 33 | 15 31 | 1 29 | 20 52 | 16 54 | 10 57 | 10 26 | 9 38 | | | n.a. |
| T 5 | 20 29 | 16 11 | 5 13 | 13 41 | 3 24 | 21 11 | 1 25 | 26 25 | 3 47 | 16 5 | 0 39 | 18 42 | 2 23 | 5 18 | 0 33 | 15 32 | 1 29 | 20 53 | 16 55 | 10 58 | 10 27 | 9 36 | | | n.a. |
| F 6 | 20 16 | 18 17 | 5 2 | 13 36 | 3 32 | 20 53 | 1 25 | 26 23 | 3 46 | 16 7 | 0 39 | 18 43 | 2 23 | 5 18 | 0 33 | 15 32 | 1 29 | 20 54 | 16 55 | 10 59 | 10 29 | 9 35 | | | n.a. |
| S 7 | 20 3 | 19 22 | 4 33 | 13 35 | 3 39 | 20 35 | 1 25 | 26 21 | 3 44 | 16 9 | 0 39 | 18 45 | 2 23 | 5 18 | 0 33 | 15 32 | 1 29 | 20 54 | 16 55 | 11 1 | 10 30 | 9 33 | | | n.a. |
| S 8 | 19 49 | 19 13 | 3 46 | 13 37 | 3 44 | 20 16 | 1 25 | 26 20 | 3 42 | 16 11 | 0 39 | 18 46 | 2 24 | 5 18 | 0 33 | 15 32 | 1 29 | 20 55 | 16 56 | 11 3 | 10 31 | 9 31 | | | n.a. |
| M 9 | 19 35 | 17 46 | 2 43 | 13 42 | 3 48 | 19 56 | 1 25 | 26 18 | 3 41 | 16 14 | 0 39 | 18 48 | 2 24 | 5 17 | 0 33 | 15 32 | 1 29 | 20 56 | 16 56 | 11 4 | 10 32 | 9 30 | | | n.a. |
| T 10 | 19 20 | 15 5 | 1 28 | 13 51 | 3 50 | 19 36 | 1 25 | 26 17 | 3 39 | 16 16 | 0 39 | 18 49 | 2 24 | 5 17 | 0 33 | 15 33 | 1 29 | 20 57 | 16 56 | 11 5 | 10 33 | 9 28 | | | n.a. |
| W11 | 19 5 | 11 23 | 0 6 | 14 2 | 3 50 | 19 15 | 1 25 | 26 16 | 3 37 | 16 18 | 0 39 | 18 50 | 2 24 | 5 17 | 0 33 | 15 33 | 1 29 | 20 57 | 16 57 | 11 5 | 10 34 | 9 26 | | | n.a. |
| T 12 | 18 50 | 6 59 | 1s15 | 14 16 | 3 48 | 18 54 | 1 24 | 26 14 | 3 36 | 16 20 | 0 39 | 18 52 | 2 24 | 5 17 | 0 33 | 15 33 | 1 29 | 20 58 | 16 57 | 11 5 | 10 36 | 9 25 | | | n.a. |
| F 13 | 18 35 | 2 13 | 2 31 | 14 32 | 3 45 | 18 32 | 1 24 | 26 13 | 3 34 | 16 22 | 0 39 | 18 53 | 2 24 | 5 17 | 0 33 | 15 33 | 1 29 | 20 59 | 16 57 | 11 4 | 10 37 | 9 23 | | | n.a. |
| S 14 | 18 19 | 2n34 | 3 35 | 14 51 | 3 39 | 18 10 | 1 24 | 26 12 | 3 32 | 16 24 | 0 39 | 18 55 | 2 24 | 5 17 | 0 33 | 15 33 | 1 29 | 21 0 | 16 58 | 11 4 | 10 38 | 9 21 | | | n.a. |
| S 15 | 18 3 | 7 6 | 4 25 | 15 11 | 3 32 | 17 47 | 1 23 | 26 11 | 3 31 | 16 25 | 0 39 | 18 56 | 2 24 | 5 16 | 0 33 | 15 33 | 1 29 | 21 1 | 16 58 | 11 3 | 10 39 | 9 19 | | | n.a. |
| M16 | 17 47 | 11 8 | 4 58 | 15 32 | 3 24 | 17 24 | 1 23 | 26 10 | 3 29 | 16 27 | 0 39 | 18 58 | 2 24 | 5 16 | 0 33 | 15 34 | 1 29 | 21 1 | 16 58 | 11 3 | 10 40 | 9 18 | | | n.a. |
| T 17 | 17 30 | 14 30 | 5 14 | 15 54 | 3 14 | 17 0 | 1 22 | 26 10 | 3 27 | 16 29 | 0 39 | 18 59 | 2 24 | 5 16 | 0 33 | 15 34 | 1 29 | 21 2 | 16 59 | 11 3 | 10 41 | 9 16 | | | n.a. |
| W18 | 17 13 | 17 3 | 5 14 | 16 16 | 3 3 | 16 36 | 1 22 | 26 9 | 3 26 | 16 31 | 0 39 | 19 1 | 2 25 | 5 15 | 0 33 | 15 34 | 1 29 | 21 3 | 16 59 | 11 4 | 10 43 | 9 14 | | | n.a. |
| T 19 | 16 56 | 18 42 | 4 57 | 16 39 | 2 50 | 16 11 | 1 21 | 26 8 | 3 24 | 16 32 | 0 39 | 19 2 | 2 25 | 5 15 | 0 34 | 15 34 | 1 29 | 21 4 | 16 59 | 11 5 | 10 44 | 9 13 | | | n.a. |
| F 20 | 16 38 | 19 24 | 4 27 | 17 2 | 2 37 | 15 46 | 1 20 | 26 8 | 3 22 | 16 34 | 0 39 | 19 4 | 2 25 | 5 15 | 0 34 | 15 34 | 1 29 | 21 5 | 17 0 | 11 6 | 10 45 | 9 11 | | | n.a. |
| S 21 | 16 21 | 19 10 | 3 44 | 17 24 | 2 23 | 15 20 | 1 19 | 26 7 | 3 21 | 16 36 | 0 39 | 19 5 | 2 25 | 5 14 | 0 34 | 15 34 | 1 29 | 21 6 | 17 0 | 11 6 | 10 46 | 9 9 | | | n.a. |
| S 22 | 16 3 | 18 2 | 2 52 | 17 46 | 2 8 | 14 55 | 1 19 | 26 7 | 3 19 | 16 37 | 0 39 | 19 6 | 2 25 | 5 14 | 0 34 | 15 34 | 1 29 | 21 6 | 17 0 | 11 7 | 10 47 | 9 7 | | | n.a. |
| M23 | 15 44 | 16 6 | 1 53 | 18 7 | 1 53 | 14 28 | 1 18 | 26 7 | 3 18 | 16 39 | 0 39 | 19 8 | 2 25 | 5 14 | 0 34 | 15 34 | 1 29 | 21 7 | 17 0 | 11 8 | 10 48 | 9 6 | | | n.a. |
| T 24 | 15 26 | 13 29 | 0 50 | 18 27 | 1 38 | 14 2 | 1 17 | 26 6 | 3 16 | 16 40 | 0 39 | 19 9 | 2 25 | 5 13 | 0 34 | 15 34 | 1 29 | 21 8 | 17 1 | 11 8 | 10 50 | 9 4 | | | n.a. |
| W25 | 15 7 | 10 20 | 0n16 | 18 45 | 1 23 | 13 35 | 1 16 | 26 6 | 3 14 | 16 41 | 0 39 | 19 11 | 2 25 | 5 13 | 0 34 | 15 34 | 1 29 | 21 9 | 17 1 | 11 8 | 10 51 | 9 2 | | | n.a. |
| T 26 | 14 48 | 6 47 | 1 21 | 19 3 | 1 8 | 13 7 | 1 15 | 26 6 | 3 13 | 16 43 | 0 39 | 19 12 | 2 25 | 5 12 | 0 34 | 15 34 | 1 29 | 21 10 | 17 1 | 11 8 | 10 52 | 9 1 | | | n.a. |
| F 27 | 14 29 | 2 58 | 2 22 | 19 19 | 0 52 | 12 40 | 1 13 | 26 6 | 3 11 | 16 44 | 0 39 | 19 13 | 2 25 | 5 12 | 0 34 | 15 34 | 1 29 | 21 10 | 17 1 | 11 8 | 10 53 | 8 59 | | | n.a. |
| S 28 | 14s10 | 0s58 | 3n17 | 19s33 | 0n38 | 12s12 | 1s12 | 26n 6 | 3n 9 | 16s45 | 0n39 | 19n15 | 2n25 | 5s11 | 0n34 | 15s34 | 1n29 | 21n11 | 17n 2 | 11n 7 | 10n54 | 8n57 | | | n.a. |

Julian Day Number = 1003007.5, Delta T = 12h48m57s
Ecliptic obliquity = 23°55'06, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'31, Lahiri = -31°04'31 Julian Calendar 1 Feb. 1967 BCE == Greg. Calendar 15 Jan. 1967 BCE


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## MARCH 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 27 31 | 23♒51'40 | 21♎51 | 1♒51 | 2♓58 | 14♊27 | 17♏31 | 13°R59 | 14°R10 | 16♏ 9 | 15°R59 | 1♍36 | 2♍ 8 | 9♍ 0 | n.a. | S 1 |
| M 2 | 9 31 28 | 24°50'08 | 4♏ 0 | 2° 1 | 4°12 | 14°41 | 17°35 | 13♌55 | 14♎ 9 | 16° 9 | 15♍58 | 1°37 | 2° 5 | 9° 7 | n.a. | M 2 |
| T 3 | 9 35 24 | 25°48'34 | 16°23 | 2°16 | 5°26 | 14°56 | 17°38 | 13°50 | 14° 8 | 16° 9 | 15°56 | 1°37 | 2° 2 | 9°14 | n.a. | T 3 |
| W 4 | 9 39 21 | 26°46'58 | 29° 5 | 2°35 | 6°40 | 15°11 | 17°42 | 13°46 | 14° 6 | 16° 9 | 15°54 | 1°R37 | 1°59 | 9°20 | n.a. | W 4 |
| T 5 | 9 43 17 | 27°45'20 | 12♐10 | 2°59 | 7°54 | 15°26 | 17°45 | 13°41 | 14° 5 | 16°R 9 | 15°53 | 1°37 | 1°55 | 9°27 | n.a. | T 5 |
| F 6 | 9 47 14 | 28°43'41 | 25°40 | 3°28 | 9° 8 | 15°42 | 17°49 | 13°37 | 14° 4 | 16° 9 | 15°51 | 1°37 | 1°52 | 9°33 | n.a. | F 6 |
| S 7 | 9 51 10 | 29°42'00 | 9♑37 | 4° 1 | 10°21 | 15°58 | 17°52 | 13°33 | 14° 2 | 16° 9 | 15°50 | 1°37 | 1°49 | 9°40 | n.a. | S 7 |
| S 8 | 9 55 7 | 0♓40'17 | 24° 0 | 4°37 | 11°35 | 16°15 | 17°54 | 13°28 | 14° 1 | 16° 9 | 15°48 | 1°36 | 1°46 | 9°47 | n.a. | S 8 |
| M 9 | 9 59 3 | 1°38'32 | 8♒46 | 5°18 | 12°49 | 16°32 | 17°57 | 13°24 | 13°59 | 16° 9 | 15°46 | 1°D36 | 1°43 | 9°53 | n.a. | M 9 |
| T 10 | 10 3 0 | 2°36'46 | 23°48 | 6° 2 | 14° 3 | 16°49 | 18° 0 | 13°20 | 13°57 | 16° 9 | 15°45 | 1°R36 | 1°39 | 10° 0 | n.a. | T 10 |
| W11 | 10 6 57 | 3°34'57 | 8♓59 | 6°50 | 15°17 | 17° 7 | 18° 2 | 13°16 | 13°56 | 16° 9 | 15°43 | 1°36 | 1°36 | 10° 7 | n.a. | W11 |
| T 12 | 10 10 53 | 4°33'07 | 24° 8 | 7°41 | 16°31 | 17°26 | 18° 4 | 13°12 | 13°54 | 16° 8 | 15°42 | 1°36 | 1°33 | 10°13 | n.a. | T 12 |
| F 13 | 10 14 50 | 5°31'15 | 9♈ 8 | 8°36 | 17°44 | 17°45 | 18° 6 | 13° 7 | 13°52 | 16° 8 | 15°40 | 1°36 | 1°30 | 10°20 | n.a. | F 13 |
| S 14 | 10 18 46 | 6°29'20 | 23°49 | 9°33 | 18°58 | 18° 4 | 18° 8 | 13° 3 | 13°51 | 16° 8 | 15°38 | 1°36 | 1°27 | 10°27 | n.a. | S 14 |
| S 15 | 10 22 43 | 7°27'24 | 8♉ 8 | 10°33 | 20°12 | 18°23 | 18° 9 | 12°59 | 13°49 | 16° 7 | 15°37 | 1°35 | 1°24 | 10°33 | n.a. | S 15 |
| M16 | 10 26 39 | 8°25'25 | 22° 0 | 11°37 | 21°26 | 18°43 | 18°11 | 12°56 | 13°47 | 16° 7 | 15°35 | 1°34 | 1°20 | 10°40 | n.a. | M16 |
| T 17 | 10 30 36 | 9°23'25 | 5♊27 | 12°42 | 22°39 | 19° 4 | 18°12 | 12°52 | 13°45 | 16° 7 | 15°33 | 1°D34 | 1°17 | 10°47 | n.a. | T 17 |
| W18 | 10 34 32 | 10°21'22 | 18°30 | 13°51 | 23°53 | 19°25 | 18°13 | 12°48 | 13°43 | 16° 6 | 15°32 | 1°34 | 1°14 | 10°53 | n.a. | W18 |
| T 19 | 10 38 29 | 11°19'18 | 1♋11 | 15° 2 | 25° 7 | 19°46 | 18°14 | 12°44 | 13°41 | 16° 6 | 15°30 | 1°35 | 1°11 | 11° 0 | n.a. | T 19 |
| F 20 | 10 42 25 | 12°17'11 | 13°34 | 16°16 | 26°20 | 20° 7 | 18°14 | 12°40 | 13°39 | 16° 6 | 15°28 | 1°36 | 1° 8 | 11° 7 | n.a. | F 20 |
| S 21 | 10 46 22 | 13°15'02 | 25°44 | 17°32 | 27°34 | 20°29 | 18°15 | 12°37 | 13°37 | 16° 5 | 15°27 | 1°37 | 1° 5 | 11°13 | n.a. | S 21 |
| S 22 | 10 50 19 | 14°12'52 | 7♌44 | 18°50 | 28°47 | 20°51 | 18°15 | 12°33 | 13°35 | 16° 5 | 15°25 | 1°38 | 1° 1 | 11°20 | n.a. | S 22 |
| M23 | 10 54 15 | 15°10'39 | 19°36 | 20°11 | 0♈ 1 | 21°14 | 18°R15 | 12°30 | 13°33 | 16° 4 | 15°23 | 1°39 | 0°58 | 11°26 | n.a. | M23 |
| T 24 | 10 58 12 | 16° 8'25 | 1♍25 | 21°34 | 1°14 | 21°36 | 18°15 | 12°26 | 13°31 | 16° 3 | 15°21 | 1°R39 | 0°55 | 11°33 | n.a. | T 24 |
| W25 | 11 2 8 | 17° 6'09 | 13°13 | 22°59 | 2°28 | 21°59 | 18°15 | 12°23 | 13°29 | 16° 3 | 15°20 | 1°39 | 0°52 | 11°40 | n.a. | W25 |
| T 26 | 11 6 5 | 18° 3'52 | 25° 1 | 24°26 | 3°41 | 22°23 | 18°14 | 12°20 | 13°27 | 16° 2 | 15°18 | 1°37 | 0°49 | 11°46 | n.a. | T 26 |
| F 27 | 11 10 1 | 19° 1'33 | 6♎54 | 25°55 | 4°55 | 22°46 | 18°14 | 12°16 | 13°25 | 16° 1 | 15°16 | 1°35 | 0°45 | 11°53 | n.a. | F 27 |
| S 28 | 11 13 58 | 19°59'12 | 18°51 | 27°27 | 6° 8 | 23°10 | 18°13 | 12°13 | 13°23 | 16° 1 | 15°15 | 1°33 | 0°42 | 12° 0 | n.a. | S 28 |
| S 29 | 11 17 54 | 20°56'50 | 0♏56 | 29° 1 | 7°22 | 23°35 | 18°12 | 12°10 | 13°20 | 16° 0 | 15°13 | 1°30 | 0°39 | 12° 6 | n.a. | S 29 |
| M30 | 11 21 51 | 21°54'27 | 13°12 | 0♓36 | 8°35 | 23°59 | 18°11 | 12° 7 | 13°18 | 15°59 | 15°11 | 1°27 | 0°36 | 12°13 | n.a. | M30 |
| T 31 | 11 25 47 | 22♓52'03 | 25♏40 | 2♓14 | 9♈49 | 24♊24 | 18♏ 9 | 12♌ 4 | 13♎16 | 15♏59 | 15♍10 | 1♍24 | 0♍33 | 12♍20 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 13s50 | 4s54 | 4n 5 | 19s46 | 0n23 | 11s43 | 1s11 | 26n 6 | 3n 8 | 16s46 | 0n39 | 19n16 | 2n25 | 5s11 | 0n34 | 15s34 | 1n30 | 21n12 | 17n 2 | 11n 7 | 10n55 | 8n55 | | | n.a. |
| M 2 | 13 30 | 8 41 | 4 42 | 19 58 | 0 9 | 11 15 | 1 10 | 26 6 | 3 6 | 16 48 | 0 39 | 19 17 | 2 25 | 5 10 | 0 34 | 15 34 | 1 30 | 21 13 | 17 2 | 11 7 | 10 57 | 8 54 | | | n.a. |
| T 3 | 13 10 | 12 10 | 5 7 | 20 8 | 0s 5 | 10 46 | 1 8 | 26 6 | 3 5 | 16 49 | 0 39 | 19 19 | 2 25 | 5 10 | 0 34 | 15 34 | 1 30 | 21 13 | 17 2 | 11 7 | 10 58 | 8 52 | | | n.a. |
| W 4 | 12 50 | 15 11 | 5 18 | 20 16 | 0 18 | 10 16 | 1 7 | 26 6 | 3 3 | 16 50 | 0 39 | 19 20 | 2 25 | 5 9 | 0 34 | 15 34 | 1 30 | 21 14 | 17 2 | 11 7 | 10 59 | 8 50 | | | n.a. |
| T 5 | 12 30 | 17 32 | 5 13 | 20 22 | 0 30 | 9 47 | 1 5 | 26 7 | 3 1 | 16 51 | 0 39 | 19 21 | 2 25 | 5 9 | 0 34 | 15 34 | 1 30 | 21 15 | 17 2 | 11 7 | 11 0 | 8 48 | | | n.a. |
| F 6 | 12 9 | 19 0 | 4 51 | 20 27 | 0 43 | 9 17 | 1 4 | 26 7 | 3 0 | 16 52 | 0 39 | 19 23 | 2 25 | 5 8 | 0 34 | 15 34 | 1 30 | 21 16 | 17 3 | 11 7 | 11 1 | 8 47 | | | n.a. |
| S 7 | 11 48 | 19 24 | 4 11 | 20 31 | 0 54 | 8 47 | 1 2 | 26 7 | 2 58 | 16 52 | 0 39 | 19 24 | 2 25 | 5 8 | 0 34 | 15 34 | 1 30 | 21 17 | 17 3 | 11 7 | 11 2 | 8 45 | | | n.a. |
| S 8 | 11 27 | 18 33 | 3 14 | 20 32 | 1 5 | 8 17 | 1 1 | 26 7 | 2 57 | 16 53 | 0 39 | 19 25 | 2 25 | 5 7 | 0 34 | 15 34 | 1 30 | 21 17 | 17 3 | 11 7 | 11 4 | 8 43 | | | n.a. |
| M 9 | 11 6 | 16 26 | 2 4 | 20 32 | 1 15 | 7 47 | 0 59 | 26 8 | 2 55 | 16 54 | 0 39 | 19 26 | 2 25 | 5 6 | 0 34 | 15 34 | 1 30 | 21 18 | 17 3 | 11 7 | 11 5 | 8 41 | | | n.a. |
| T 10 | 10 45 | 13 10 | 0 43 | 20 31 | 1 25 | 7 16 | 0 57 | 26 8 | 2 54 | 16 55 | 0 39 | 19 28 | 2 25 | 5 6 | 0 34 | 15 34 | 1 30 | 21 19 | 17 3 | 11 7 | 11 6 | 8 40 | | | n.a. |
| W11 | 10 24 | 9 0 | 0s41 | 20 27 | 1 34 | 6 46 | 0 55 | 26 8 | 2 52 | 16 55 | 0 39 | 19 29 | 2 25 | 5 5 | 0 34 | 15 34 | 1 30 | 21 20 | 17 3 | 11 7 | 11 7 | 8 38 | | | n.a. |
| T 12 | 10 2 | 4 14 | 2 2 | 20 22 | 1 43 | 6 15 | 0 54 | 26 8 | 2 51 | 16 56 | 0 39 | 19 30 | 2 25 | 5 4 | 0 34 | 15 34 | 1 30 | 21 20 | 17 3 | 11 7 | 11 8 | 8 36 | | | n.a. |
| F 13 | 9 40 | 0n44 | 3 14 | 20 15 | 1 50 | 5 44 | 0 52 | 26 9 | 2 49 | 16 57 | 0 39 | 19 31 | 2 25 | 5 4 | 0 34 | 15 34 | 1 30 | 21 21 | 17 3 | 11 7 | 11 9 | 8 34 | | | n.a. |
| S 14 | 9 18 | 5 32 | 4 12 | 20 6 | 1 58 | 5 13 | 0 50 | 26 9 | 2 48 | 16 57 | 0 39 | 19 32 | 2 25 | 5 3 | 0 34 | 15 34 | 1 30 | 21 22 | 17 3 | 11 7 | 11 10 | 8 33 | | | n.a. |
| S 15 | 8 57 | 9 54 | 4 52 | 19 56 | 2 4 | 4 41 | 0 48 | 26 9 | 2 46 | 16 58 | 0 39 | 19 33 | 2 25 | 5 2 | 0 34 | 15 33 | 1 30 | 21 23 | 17 4 | 11 7 | 11 12 | 8 31 | | | n.a. |
| M16 | 8 34 | 13 35 | 5 13 | 19 44 | 2 10 | 4 10 | 0 46 | 26 10 | 2 45 | 16 58 | 0 39 | 19 35 | 2 25 | 5 1 | 0 34 | 15 33 | 1 30 | 21 23 | 17 4 | 11 8 | 11 13 | 8 29 | | | n.a. |
| T 17 | 8 12 | 16 26 | 5 17 | 19 30 | 2 16 | 3 38 | 0 44 | 26 10 | 2 43 | 16 58 | 0 39 | 19 36 | 2 25 | 5 1 | 0 34 | 15 33 | 1 30 | 21 24 | 17 4 | 11 8 | 11 14 | 8 27 | | | n.a. |
| W18 | 7 50 | 18 22 | 5 4 | 19 14 | 2 20 | 3 7 | 0 42 | 26 10 | 2 42 | 16 59 | 0 39 | 19 37 | 2 24 | 5 0 | 0 34 | 15 33 | 1 30 | 21 25 | 17 4 | 11 8 | 11 15 | 8 26 | | | n.a. |
| T 19 | 7 28 | 19 18 | 4 37 | 18 57 | 2 24 | 2 35 | 0 40 | 26 11 | 2 40 | 16 59 | 0 39 | 19 38 | 2 24 | 4 59 | 0 34 | 15 33 | 1 30 | 21 25 | 17 4 | 11 8 | 11 16 | 8 24 | | | n.a. |
| F 20 | 7 5 | 19 17 | 3 57 | 18 37 | 2 28 | 2 3 | 0 37 | 26 11 | 2 39 | 16 59 | 0 39 | 19 39 | 2 24 | 4 58 | 0 34 | 15 33 | 1 30 | 21 26 | 17 4 | 11 7 | 11 17 | 8 22 | | | n.a. |
| S 21 | 6 43 | 18 22 | 3 7 | 18 17 | 2 31 | 1 31 | 0 35 | 26 11 | 2 38 | 16 59 | 0 39 | 19 40 | 2 24 | 4 58 | 0 34 | 15 33 | 1 30 | 21 27 | 17 4 | 11 7 | 11 19 | 8 20 | | | n.a. |
| S 22 | 6 20 | 16 38 | 2 9 | 17 54 | 2 33 | 1 0 | 0 33 | 26 11 | 2 36 | 16 59 | 0 39 | 19 41 | 2 24 | 4 57 | 0 34 | 15 32 | 1 30 | 21 27 | 17 4 | 11 6 | 11 20 | 8 18 | | | n.a. |
| M23 | 5 57 | 14 11 | 1 6 | 17 29 | 2 35 | 0 28 | 0 31 | 26 12 | 2 35 | 16 59 | 0 39 | 19 42 | 2 24 | 4 56 | 0 34 | 15 32 | 1 30 | 21 28 | 17 4 | 11 6 | 11 21 | 8 17 | | | n.a. |
| T 24 | 5 34 | 11 10 | 0 1 | 17 3 | 2 36 | 0n 4 | 0 28 | 26 12 | 2 33 | 16 59 | 0 39 | 19 42 | 2 24 | 4 55 | 0 34 | 15 32 | 1 30 | 21 29 | 17 4 | 11 6 | 11 22 | 8 15 | | | n.a. |
| W25 | 5 12 | 7 42 | 1n 4 | 16 35 | 2 36 | 0 36 | 0 26 | 26 12 | 2 32 | 16 59 | 0 39 | 19 43 | 2 24 | 4 54 | 0 34 | 15 32 | 1 30 | 21 29 | 17 4 | 11 6 | 11 23 | 8 13 | | | n.a. |
| T 26 | 4 49 | 3 56 | 2 6 | 16 5 | 2 36 | 1 8 | 0 24 | 26 12 | 2 31 | 16 59 | 0 39 | 19 44 | 2 24 | 4 53 | 0 34 | 15 32 | 1 30 | 21 30 | 17 4 | 11 7 | 11 24 | 8 11 | | | n.a. |
| F 27 | 4 26 | 0 0 | 3 3 | 15 34 | 2 35 | 1 40 | 0 21 | 26 12 | 2 29 | 16 59 | 0 39 | 19 45 | 2 24 | 4 53 | 0 34 | 15 31 | 1 30 | 21 31 | 17 3 | 11 7 | 11 25 | 8 10 | | | n.a. |
| S 28 | 4 3 | 3s57 | 3 52 | 15 0 | 2 34 | 2 12 | 0 19 | 26 12 | 2 28 | 16 59 | 0 39 | 19 46 | 2 24 | 4 52 | 0 34 | 15 31 | 1 31 | 21 31 | 17 3 | 11 8 | 11 27 | 8 8 | | | n.a. |
| S 29 | 3 39 | 7 48 | 4 32 | 14 25 | 2 32 | 2 44 | 0 17 | 26 12 | 2 27 | 16 59 | 0 39 | 19 47 | 2 23 | 4 51 | 0 34 | 15 31 | 1 31 | 21 32 | 17 3 | 11 9 | 11 28 | 8 6 | | | n.a. |
| M30 | 3 16 | 11 21 | 5 0 | 13 48 | 2 30 | 3 15 | 0 14 | 26 12 | 2 25 | 16 58 | 0 39 | 19 47 | 2 23 | 4 50 | 0 34 | 15 31 | 1 31 | 21 32 | 17 3 | 11 10 | 11 29 | 8 4 | | | n.a. |
| T 31 | 2s53 | 14s29 | 5n14 | 13s 9 | 2s27 | 3n47 | 0s12 | 26n12 | 2n24 | 16s58 | 0n39 | 19n48 | 2n23 | 4s49 | 0n34 | 15s30 | 1n31 | 21n33 | 17n 3 | 11n11 | 11n30 | 8n 2 | | | n.a. |

Julian Day Number = 1003035.5, Delta T = 12h48m55s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'27, Lahiri = -31°04'27 Julian Calendar 1 March 1967 BCE == Greg. Calendar 12 Feb. 1967 BCE

The year -1966 astronomical counting style corresponds to year 1967 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## APRIL 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 29 44 | 23♓49'37 | 8♐24 | 3♓54 | 11♈ 2 | 24♊49 | 18°R 8 | 12°R 1 | 13°R14 | 15°R58 | 15°R 8 | 1°R23 | 0♍30 | 12♍26 | n.a. | W 1 |
| T 2 | 11 33 41 | 24°47'10 | 21°27 | 5°36 | 12°15 | 25°15 | 18♏ 6 | 11♌59 | 13♎11 | 15♏57 | 15♍ 6 | 1°D22 | 0°26 | 12°33 | n.a. | T 2 |
| F 3 | 11 37 37 | 25°44'43 | 4♑50 | 7°20 | 13°29 | 25°40 | 18° 4 | 11°56 | 13° 9 | 15°56 | 15° 5 | 1♍22 | 0°23 | 12°40 | n.a. | F 3 |
| S 4 | 11 41 34 | 26°42'14 | 18°37 | 9° 7 | 14°42 | 26° 6 | 18° 2 | 11°53 | 13° 7 | 15°55 | 15° 3 | 1°23 | 0°20 | 12°46 | n.a. | S 4 |
| S 5 | 11 45 30 | 27°39'44 | 2♒47 | 10°55 | 15°55 | 26°32 | 17°59 | 11°51 | 13° 4 | 15°54 | 15° 1 | 1°24 | 0°17 | 12°53 | n.a. | S 5 |
| M 6 | 11 49 27 | 28°37'13 | 17°20 | 12°45 | 17° 8 | 26°59 | 17°57 | 11°48 | 13° 2 | 15°53 | 15° 0 | 1°26 | 0°14 | 13° 0 | n.a. | M 6 |
| T 7 | 11 53 23 | 29°34'41 | 2♓12 | 14°38 | 18°22 | 27°25 | 17°54 | 11°46 | 13° 0 | 15°52 | 14°58 | 1°R26 | 0°10 | 13° 6 | n.a. | T 7 |
| W 8 | 11 57 20 | 0♈32'08 | 17°17 | 16°32 | 19°35 | 27°52 | 17°51 | 11°44 | 12°57 | 15°51 | 14°57 | 1°25 | 0° 7 | 13°13 | n.a. | W 8 |
| T 9 | 12 1 16 | 1°29'33 | 2♈26 | 18°29 | 20°48 | 28°19 | 17°48 | 11°41 | 12°55 | 15°50 | 14°55 | 1°23 | 0° 4 | 13°20 | n.a. | T 9 |
| F 10 | 12 5 13 | 2°26'58 | 17°30 | 20°27 | 22° 1 | 28°47 | 17°45 | 11°39 | 12°52 | 15°49 | 14°53 | 1°20 | 0° 1 | 13°26 | n.a. | F 10 |
| S 11 | 12 9 10 | 3°24'21 | 2♉20 | 22°27 | 23°14 | 29°14 | 17°42 | 11°37 | 12°50 | 15°48 | 14°52 | 1°15 | 29♌58 | 13°33 | n.a. | S 11 |
| S 12 | 12 13 6 | 4°21'43 | 16°48 | 24°29 | 24°27 | 29°42 | 17°38 | 11°35 | 12°48 | 15°47 | 14°50 | 1°11 | 29°55 | 13°39 | n.a. | S 12 |
| M13 | 12 17 3 | 5°19'04 | 0♊49 | 26°33 | 25°41 | 0♋10 | 17°34 | 11°34 | 12°45 | 15°46 | 14°49 | 1° 6 | 29°51 | 13°46 | n.a. | M13 |
| T 14 | 12 20 59 | 6°16'24 | 14°23 | 28°39 | 26°54 | 0°38 | 17°30 | 11°32 | 12°43 | 15°45 | 14°47 | 1° 3 | 29°48 | 13°53 | n.a. | T 14 |
| W15 | 12 24 56 | 7°13'42 | 27°29 | 0♈46 | 28° 7 | 1° 7 | 17°26 | 11°30 | 12°40 | 15°44 | 14°46 | 1° 1 | 29°45 | 13°59 | n.a. | W15 |
| T 16 | 12 28 52 | 8°10'59 | 10♋11 | 2°54 | 29°20 | 1°36 | 17°22 | 11°29 | 12°38 | 15°42 | 14°44 | 1°D 1 | 29°42 | 14° 6 | n.a. | T 16 |
| F 17 | 12 32 49 | 9° 8'14 | 22°33 | 5° 4 | 0♉33 | 2° 4 | 17°18 | 11°27 | 12°35 | 15°41 | 14°43 | 1° 2 | 29°39 | 14°13 | n.a. | F 17 |
| S 18 | 12 36 45 | 10° 5'29 | 4♌39 | 7°14 | 1°46 | 2°33 | 17°13 | 11°26 | 12°33 | 15°40 | 14°41 | 1° 3 | 29°36 | 14°19 | n.a. | S 18 |
| S 19 | 12 40 42 | 11° 2'42 | 16°34 | 9°25 | 2°59 | 3° 3 | 17° 8 | 11°25 | 12°30 | 15°39 | 14°40 | 1° 5 | 29°32 | 14°26 | n.a. | S 19 |
| M20 | 12 44 39 | 11°59'54 | 28°23 | 11°36 | 4°11 | 3°32 | 17° 3 | 11°24 | 12°28 | 15°38 | 14°38 | 1°R 5 | 29°29 | 14°33 | n.a. | M20 |
| T 21 | 12 48 35 | 12°57'06 | 10♍10 | 13°48 | 5°24 | 4° 2 | 16°58 | 11°22 | 12°25 | 15°36 | 14°37 | 1° 5 | 29°26 | 14°39 | n.a. | T 21 |
| W22 | 12 52 32 | 13°54'16 | 21°58 | 15°59 | 6°37 | 4°32 | 16°53 | 11°22 | 12°23 | 15°35 | 14°35 | 1° 3 | 29°23 | 14°46 | n.a. | W22 |
| T 23 | 12 56 28 | 14°51'25 | 3♎51 | 18°10 | 7°50 | 5° 2 | 16°48 | 11°21 | 12°20 | 15°34 | 14°34 | 0°59 | 29°20 | 14°53 | n.a. | T 23 |
| F 24 | 13 0 25 | 15°48'34 | 15°50 | 20°21 | 9° 3 | 5°32 | 16°42 | 11°20 | 12°18 | 15°32 | 14°32 | 0°53 | 29°16 | 14°59 | n.a. | F 24 |
| S 25 | 13 4 21 | 16°45'41 | 27°58 | 22°30 | 10°16 | 6° 2 | 16°37 | 11°19 | 12°15 | 15°31 | 14°31 | 0°45 | 29°13 | 15° 6 | n.a. | S 25 |
| S 26 | 13 8 18 | 17°42'49 | 10♏16 | 24°39 | 11°28 | 6°33 | 16°31 | 11°19 | 12°13 | 15°30 | 14°30 | 0°37 | 29°10 | 15°13 | n.a. | S 26 |
| M27 | 13 12 14 | 18°39'55 | 22°44 | 26°46 | 12°41 | 7° 4 | 16°25 | 11°18 | 12°11 | 15°28 | 14°28 | 0°29 | 29° 7 | 15°19 | n.a. | M27 |
| T 28 | 13 16 11 | 19°37'02 | 5♐24 | 28°51 | 13°54 | 7°34 | 16°19 | 11°18 | 12° 8 | 15°27 | 14°27 | 0°21 | 29° 4 | 15°26 | n.a. | T 28 |
| W29 | 13 20 8 | 20°34'08 | 18°18 | 0♑55 | 15° 6 | 8° 6 | 16°13 | 11°17 | 12° 6 | 15°25 | 14°26 | 0°15 | 29° 1 | 15°33 | n.a. | W29 |
| T 30 | 13 24 4 | 21♈31'13 | 1♑25 | 2♑57 | 16♑19 | 8♋37 | 16♏ 7 | 11♌17 | 12♎ 3 | 15♏24 | 14♍25 | 0♍11 | 28♌57 | 15♍39 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 2s30 | 17s 0 | 5n13 | 12s29 | 2s23 | 4n19 | 0s 9 | 26n11 | 2n23 | 16s57 | 0n38 | 19n49 | 2n23 | 4s48 | 0n34 | 15s30 | 1n31 | 21n34 | 17n 3 | 11n12 | 11n31 | 8n 1 | | n.a. |
| T 2 | 2 7 | 18 43 | 4 56 | 11 47 | 2 19 | 4 50 | 0 7 | 26 11 | 2 21 | 16 57 | 0 38 | 19 50 | 2 23 | 4 47 | 0 34 | 15 30 | 1 31 | 21 34 | 17 3 | 11 12 | 11 32 | 7 59 | | n.a. |
| F 3 | 1 43 | 19 27 | 4 23 | 11 3 | 2 14 | 5 22 | 0 4 | 26 11 | 2 20 | 16 56 | 0 38 | 19 50 | 2 23 | 4 46 | 0 34 | 15 30 | 1 31 | 21 35 | 17 3 | 11 12 | 11 33 | 7 57 | | n.a. |
| S 4 | 1 20 | 19 3 | 3 34 | 10 17 | 2 8 | 5 53 | 0 2 | 26 10 | 2 19 | 16 56 | 0 38 | 19 51 | 2 23 | 4 45 | 0 34 | 15 29 | 1 31 | 21 35 | 17 3 | 11 12 | 11 35 | 7 55 | | n.a. |
| S 5 | 0 57 | 17 29 | 2 31 | 9 30 | 2 3 | 6 24 | 0n 1 | 26 10 | 2 17 | 16 55 | 0 38 | 19 51 | 2 23 | 4 44 | 0 34 | 15 29 | 1 31 | 21 36 | 17 2 | 11 11 | 11 36 | 7 53 | | n.a. |
| M 6 | 0 34 | 14 44 | 1 17 | 8 41 | 1 56 | 6 55 | 0 4 | 26 9 | 2 16 | 16 55 | 0 38 | 19 52 | 2 22 | 4 44 | 0 34 | 15 29 | 1 31 | 21 36 | 17 2 | 11 11 | 11 37 | 7 52 | | n.a. |
| T 7 | 0 10 | 10 58 | 0s 4 | 7 50 | 1 49 | 7 26 | 0 6 | 26 8 | 2 15 | 16 54 | 0 38 | 19 53 | 2 22 | 4 43 | 0 34 | 15 28 | 1 31 | 21 37 | 17 2 | 11 11 | 11 38 | 7 50 | | n.a. |
| W 8 | 0n13 | 6 26 | 1 26 | 6 58 | 1 42 | 7 57 | 0 9 | 26 8 | 2 14 | 16 53 | 0 38 | 19 53 | 2 22 | 4 42 | 0 34 | 15 28 | 1 31 | 21 37 | 17 2 | 11 11 | 11 39 | 7 48 | | n.a. |
| T 9 | 0 36 | 1 29 | 2 42 | 6 5 | 1 34 | 8 27 | 0 11 | 26 7 | 2 12 | 16 52 | 0 38 | 19 54 | 2 22 | 4 41 | 0 34 | 15 28 | 1 31 | 21 38 | 17 2 | 11 12 | 11 40 | 7 46 | | n.a. |
| F 10 | 1 0 | 3n32 | 3 46 | 5 10 | 1 25 | 8 57 | 0 14 | 26 6 | 2 11 | 16 51 | 0 38 | 19 54 | 2 22 | 4 40 | 0 34 | 15 27 | 1 31 | 21 38 | 17 2 | 11 13 | 11 41 | 7 44 | | n.a. |
| S 11 | 1 23 | 8 15 | 4 34 | 4 13 | 1 17 | 9 27 | 0 16 | 26 5 | 2 10 | 16 50 | 0 38 | 19 54 | 2 22 | 4 39 | 0 34 | 15 27 | 1 31 | 21 39 | 17 1 | 11 15 | 11 43 | 7 43 | | n.a. |
| S 12 | 1 46 | 12 21 | 5 3 | 3 15 | 1 7 | 9 57 | 0 19 | 26 4 | 2 9 | 16 49 | 0 38 | 19 55 | 2 22 | 4 38 | 0 34 | 15 27 | 1 31 | 21 39 | 17 1 | 11 16 | 11 44 | 7 41 | | n.a. |
| M13 | 2 9 | 15 38 | 5 13 | 2 17 | 0 58 | 10 27 | 0 22 | 26 3 | 2 8 | 16 48 | 0 38 | 19 55 | 2 21 | 4 37 | 0 34 | 15 26 | 1 31 | 21 39 | 17 1 | 11 18 | 11 45 | 7 39 | | n.a. |
| T 14 | 2 32 | 17 57 | 5 4 | 1 17 | 0 48 | 10 56 | 0 24 | 26 1 | 2 6 | 16 47 | 0 38 | 19 56 | 2 21 | 4 36 | 0 34 | 15 26 | 1 31 | 21 40 | 17 1 | 11 19 | 11 46 | 7 37 | | n.a. |
| W15 | 2 55 | 19 14 | 4 40 | 0 16 | 0 38 | 11 26 | 0 27 | 26 0 | 2 5 | 16 46 | 0 38 | 19 56 | 2 21 | 4 35 | 0 34 | 15 26 | 1 31 | 21 40 | 17 0 | 11 20 | 11 47 | 7 35 | | n.a. |
| T 16 | 3 18 | 19 29 | 4 3 | 0n46 | 0 27 | 11 55 | 0 29 | 25 58 | 2 4 | 16 45 | 0 38 | 19 56 | 2 21 | 4 34 | 0 34 | 15 25 | 1 31 | 21 41 | 17 0 | 11 20 | 11 48 | 7 33 | | n.a. |
| F 17 | 3 41 | 18 47 | 3 15 | 1 48 | 0 17 | 12 23 | 0 32 | 25 57 | 2 3 | 16 44 | 0 38 | 19 56 | 2 21 | 4 33 | 0 34 | 15 25 | 1 31 | 21 41 | 17 0 | 11 20 | 11 49 | 7 32 | | n.a. |
| S 18 | 4 4 | 17 14 | 2 19 | 2 50 | 0 6 | 12 52 | 0 34 | 25 55 | 2 2 | 16 43 | 0 38 | 19 57 | 2 21 | 4 32 | 0 34 | 15 24 | 1 31 | 21 41 | 17 0 | 11 19 | 11 51 | 7 30 | | n.a. |
| S 19 | 4 27 | 14 57 | 1 18 | 3 52 | 0n 4 | 13 20 | 0 37 | 25 53 | 2 0 | 16 41 | 0 38 | 19 57 | 2 21 | 4 31 | 0 34 | 15 24 | 1 31 | 21 42 | 16 59 | 11 18 | 11 52 | 7 28 | | n.a. |
| M20 | 4 50 | 12 3 | 0 15 | 4 54 | 0 15 | 13 47 | 0 39 | 25 51 | 1 59 | 16 40 | 0 38 | 19 57 | 2 20 | 4 30 | 0 34 | 15 24 | 1 31 | 21 42 | 16 59 | 11 18 | 11 53 | 7 26 | | n.a. |
| T 21 | 5 13 | 8 40 | 0n49 | 5 56 | 0 25 | 14 15 | 0 42 | 25 49 | 1 58 | 16 39 | 0 37 | 19 57 | 2 20 | 4 29 | 0 34 | 15 23 | 1 31 | 21 42 | 16 59 | 11 18 | 11 54 | 7 24 | | n.a. |
| W22 | 5 35 | 4 56 | 1 51 | 6 57 | 0 35 | 14 42 | 0 44 | 25 47 | 1 57 | 16 37 | 0 37 | 19 57 | 2 20 | 4 28 | 0 34 | 15 23 | 1 31 | 21 43 | 16 58 | 11 19 | 11 55 | 7 22 | | n.a. |
| T 23 | 5 58 | 1 0 | 2 48 | 7 58 | 0 45 | 15 8 | 0 47 | 25 45 | 1 56 | 16 36 | 0 37 | 19 57 | 2 20 | 4 27 | 0 34 | 15 22 | 1 31 | 21 43 | 16 58 | 11 21 | 11 56 | 7 21 | | n.a. |
| F 24 | 6 20 | 3s 0 | 3 38 | 8 57 | 0 55 | 15 35 | 0 49 | 25 43 | 1 55 | 16 34 | 0 37 | 19 57 | 2 20 | 4 26 | 0 34 | 15 22 | 1 31 | 21 43 | 16 58 | 11 23 | 11 57 | 7 19 | | n.a. |
| S 25 | 6 43 | 6 56 | 4 19 | 9 55 | 1 4 | 16 0 | 0 52 | 25 40 | 1 54 | 16 33 | 0 37 | 19 57 | 2 19 | 4 25 | 0 34 | 15 22 | 1 31 | 21 43 | 16 57 | 11 25 | 11 58 | 7 17 | | n.a. |
| S 26 | 7 5 | 10 38 | 4 49 | 10 51 | 1 13 | 16 26 | 0 54 | 25 38 | 1 52 | 16 31 | 0 37 | 19 57 | 2 19 | 4 24 | 0 34 | 15 21 | 1 31 | 21 44 | 16 57 | 11 29 | 12 0 | 7 15 | | n.a. |
| M27 | 7 27 | 13 55 | 5 5 | 11 46 | 1 21 | 16 51 | 0 57 | 25 35 | 1 51 | 16 29 | 0 37 | 19 57 | 2 19 | 4 23 | 0 34 | 15 21 | 1 31 | 21 44 | 16 57 | 11 32 | 12 1 | 7 13 | | n.a. |
| T 28 | 7 49 | 16 37 | 5 6 | 12 39 | 1 28 | 17 16 | 0 59 | 25 32 | 1 50 | 16 28 | 0 37 | 19 57 | 2 19 | 4 22 | 0 34 | 15 20 | 1 31 | 21 44 | 16 56 | 11 34 | 12 2 | 7 11 | | n.a. |
| W29 | 8 11 | 18 32 | 4 53 | 13 31 | 1 35 | 17 40 | 1 1 | 25 29 | 1 49 | 16 26 | 0 37 | 19 57 | 2 19 | 4 21 | 0 34 | 15 20 | 1 31 | 21 44 | 16 56 | 11 36 | 12 3 | 7 9 | | n.a. |
| T 30 | 8n33 | 19s31 | 4n23 | 14n20 | 1n42 | 18n 4 | 1n 4 | 25n26 | 1n48 | 16s24 | 0n37 | 19n57 | 2n19 | 4s20 | 0n34 | 15s20 | 1n31 | 21n44 | 16n56 | 11n38 | 12n 4 | 7n 8 | | n.a. |

Julian Day Number = 1003066.5, Delta T = 12h48m53s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'23, Lahiri = -31°04'23 Julian Calendar 1 Apr. 1967 BCE == Greg. Calendar 15 March 1967 BCE


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## MAY 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 28 1 | 22♈28'19 | 14♉49 | 4♉57 | 17♉32 | 9♋ 8 | 16°R 1 | 11°D17 | 12°R 1 | 15°R23 | 14°R23 | 0°R 9 | 28♌54 | 15♍46 | n.a. | F 1 |
| S 2 | 13 31 57 | 23°25'24 | 28°30 | 6°55 | 18°44 | 9°40 | 15♏54 | 11♌17 | 11♎58 | 15♏21 | 14♍22 | 0°D 9 | 28°51 | 15°52 | n.a. | S 2 |
| S 3 | 13 35 54 | 24°22'29 | 12♒29 | 8°51 | 19°57 | 10°11 | 15°48 | 11°17 | 11°56 | 15°20 | 14°21 | 0♍10 | 28°48 | 15°59 | n.a. | S 3 |
| M 4 | 13 39 50 | 25°19'34 | 26°46 | 10°45 | 21° 9 | 10°43 | 15°41 | 11°17 | 11°54 | 15°18 | 14°20 | 0°R11 | 28°45 | 16° 6 | n.a. | M 4 |
| T 5 | 13 43 47 | 26°16'39 | 11♓21 | 12°36 | 22°22 | 11°15 | 15°34 | 11°18 | 11°51 | 15°17 | 14°19 | 0°10 | 28°41 | 16°12 | n.a. | T 5 |
| W 6 | 13 47 43 | 27°13'44 | 26° 8 | 14°26 | 23°34 | 11°47 | 15°27 | 11°18 | 11°49 | 15°15 | 14°18 | 0° 8 | 28°38 | 16°19 | n.a. | W 6 |
| T 7 | 13 51 40 | 28°10'49 | 11♈ 2 | 16°13 | 24°47 | 12°20 | 15°20 | 11°19 | 11°46 | 15°14 | 14°16 | 0° 3 | 28°35 | 16°26 | n.a. | T 7 |
| F 8 | 13 55 37 | 29° 7'53 | 25°55 | 17°57 | 25°59 | 12°52 | 15°13 | 11°19 | 11°44 | 15°12 | 14°15 | 29♌56 | 28°32 | 16°32 | n.a. | F 8 |
| S 9 | 13 59 33 | 0♉ 4'57 | 10♉38 | 19°40 | 27°12 | 13°25 | 15° 6 | 11°20 | 11°42 | 15°11 | 14°14 | 29°47 | 28°29 | 16°39 | n.a. | S 9 |
| S 10 | 14 3 30 | 1° 2'01 | 25° 5 | 21°20 | 28°24 | 13°58 | 14°59 | 11°21 | 11°40 | 15° 9 | 14°13 | 29°38 | 28°26 | 16°46 | n.a. | S 10 |
| M11 | 14 7 26 | 1°59'05 | 9♊ 7 | 22°58 | 29°36 | 14°31 | 14°52 | 11°22 | 11°37 | 15° 7 | 14°12 | 29°29 | 28°22 | 16°52 | n.a. | M11 |
| T 12 | 14 11 23 | 2°56'09 | 22°44 | 24°33 | 0♊49 | 15° 4 | 14°44 | 11°23 | 11°35 | 15° 6 | 14°11 | 29°22 | 28°19 | 16°59 | n.a. | T 12 |
| W13 | 14 15 19 | 3°53'12 | 5♋53 | 26° 6 | 2° 1 | 15°37 | 14°37 | 11°24 | 11°33 | 15° 4 | 14°10 | 29°16 | 28°16 | 17° 6 | n.a. | W13 |
| T 14 | 14 19 16 | 4°50'15 | 18°37 | 27°37 | 3°13 | 16°10 | 14°29 | 11°25 | 11°31 | 15° 3 | 14°10 | 29°13 | 28°13 | 17°12 | n.a. | T 14 |
| F 15 | 14 23 13 | 5°47'18 | 0♌59 | 29° 5 | 4°26 | 16°44 | 14°22 | 11°26 | 11°28 | 15° 1 | 14° 9 | 29°D12 | 28°10 | 17°19 | n.a. | F 15 |
| S 16 | 14 27 9 | 6°44'20 | 13° 6 | 0♊31 | 5°38 | 17°17 | 14°14 | 11°28 | 11°26 | 14°59 | 14° 8 | 29°12 | 28° 7 | 17°26 | n.a. | S 16 |
| S 17 | 14 31 6 | 7°41'22 | 25° 0 | 1°55 | 6°50 | 17°51 | 14° 7 | 11°29 | 11°24 | 14°58 | 14° 7 | 29°R12 | 28° 3 | 17°32 | n.a. | S 17 |
| M18 | 14 35 2 | 8°38'24 | 6♍49 | 3°16 | 8° 2 | 18°25 | 13°59 | 11°31 | 11°22 | 14°56 | 14° 6 | 29°12 | 28° 0 | 17°39 | n.a. | M18 |
| T 19 | 14 38 59 | 9°35'26 | 18°37 | 4°34 | 9°14 | 18°59 | 13°52 | 11°32 | 11°20 | 14°55 | 14° 5 | 29°10 | 27°57 | 17°46 | n.a. | T 19 |
| W20 | 14 42 55 | 10°32'27 | 0♎28 | 5°50 | 10°26 | 19°33 | 13°44 | 11°34 | 11°18 | 14°53 | 14° 5 | 29° 6 | 27°54 | 17°52 | n.a. | W20 |
| T 21 | 14 46 52 | 11°29'29 | 12°27 | 7° 4 | 11°38 | 20° 7 | 13°36 | 11°36 | 11°16 | 14°51 | 14° 4 | 29° 0 | 27°51 | 17°59 | n.a. | T 21 |
| F 22 | 14 50 48 | 12°26'31 | 24°35 | 8°14 | 12°50 | 20°42 | 13°29 | 11°38 | 11°14 | 14°50 | 14° 3 | 28°51 | 27°47 | 18° 6 | n.a. | F 22 |
| S 23 | 14 54 45 | 13°23'33 | 6♏56 | 9°22 | 14° 2 | 21°16 | 13°21 | 11°40 | 11°12 | 14°48 | 14° 3 | 28°39 | 27°44 | 18°12 | n.a. | S 23 |
| S 24 | 14 58 42 | 14°20'35 | 19°29 | 10°27 | 15°14 | 21°51 | 13°13 | 11°42 | 11°10 | 14°47 | 14° 2 | 28°27 | 27°41 | 18°19 | n.a. | S 24 |
| M25 | 15 2 38 | 15°17'38 | 2♐15 | 11°30 | 16°26 | 22°26 | 13° 6 | 11°44 | 11° 8 | 14°45 | 14° 1 | 28°15 | 27°38 | 18°25 | n.a. | M25 |
| T 26 | 15 6 35 | 16°14'41 | 15°14 | 12°29 | 17°38 | 23° 1 | 12°58 | 11°47 | 11° 6 | 14°43 | 14° 1 | 28° 4 | 27°35 | 18°32 | n.a. | T 26 |
| W27 | 15 10 31 | 17°11'45 | 28°24 | 13°25 | 18°50 | 23°36 | 12°50 | 11°49 | 11° 4 | 14°42 | 14° 0 | 27°55 | 27°32 | 18°39 | n.a. | W27 |
| T 28 | 15 14 28 | 18° 8'49 | 11♑46 | 14°18 | 20° 1 | 24°11 | 12°43 | 11°51 | 11° 2 | 14°40 | 14° 0 | 27°48 | 27°28 | 18°45 | n.a. | T 28 |
| F 29 | 15 18 24 | 19° 5'55 | 25°19 | 15° 7 | 21°13 | 24°46 | 12°35 | 11°54 | 11° 1 | 14°39 | 13°59 | 27°44 | 27°25 | 18°52 | n.a. | F 29 |
| S 30 | 15 22 21 | 20° 3'00 | 9♒ 3 | 15°53 | 22°25 | 25°21 | 12°27 | 11°57 | 10°59 | 14°37 | 13°59 | 27°43 | 27°22 | 18°59 | n.a. | S 30 |
| S 31 | 15 26 18 | 21♉ 0'07 | 22♒59 | 16♊36 | 23♊36 | 25♋57 | 12♏20 | 11♌59 | 10♎57 | 14♏35 | 13♍59 | 27♌42 | 27♌19 | 19♍ 5 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 8n55 | 19s27 | 3n39 | 15n 7 | 1n48 | 18n27 | 1n 6 | 25n22 | 1n47 | 16s23 | 0n37 | 19n57 | 2n18 | 4s19 | 0n34 | 15s19 | 1n31 | 21n44 | 16n55 | 11n38 | 12n 5 | 7n 6 | | n.a. |
| S 2 | 9 16 | 18 14 | 2 42 | 15 52 | 1 53 | 18 50 | 1 8 | 25 19 | 1 46 | 16 21 | 0 36 | 19 57 | 2 18 | 4 18 | 0 34 | 15 19 | 1 31 | 21 45 | 16 55 | 11 38 | 12 6 | 7 4 | | n.a. |
| S 3 | 9 38 | 15 54 | 1 34 | 16 35 | 1 57 | 19 12 | 1 10 | 25 16 | 1 45 | 16 19 | 0 36 | 19 57 | 2 18 | 4 18 | 0 34 | 15 18 | 1 31 | 21 45 | 16 54 | 11 38 | 12 7 | 7 2 | | n.a. |
| M 4 | 9 59 | 12 33 | 0 18 | 17 15 | 2 1 | 19 34 | 1 12 | 25 12 | 1 44 | 16 17 | 0 36 | 19 56 | 2 18 | 4 17 | 0 34 | 15 18 | 1 31 | 21 45 | 16 54 | 11 38 | 12 9 | 7 0 | | n.a. |
| T 5 | 10 20 | 8 22 | 1s 0 | 17 54 | 2 4 | 19 55 | 1 14 | 25 8 | 1 43 | 16 15 | 0 36 | 19 56 | 2 18 | 4 16 | 0 34 | 15 17 | 1 31 | 21 45 | 16 53 | 11 38 | 12 10 | 6 58 | | n.a. |
| W 6 | 10 41 | 3 37 | 2 15 | 18 30 | 2 6 | 20 16 | 1 16 | 25 4 | 1 42 | 16 13 | 0 36 | 19 56 | 2 18 | 4 15 | 0 34 | 15 17 | 1 31 | 21 45 | 16 53 | 11 39 | 12 11 | 6 56 | | n.a. |
| T 7 | 11 2 | 1n23 | 3 21 | 19 4 | 2 8 | 20 37 | 1 18 | 25 0 | 1 40 | 16 11 | 0 36 | 19 56 | 2 17 | 4 14 | 0 34 | 15 16 | 1 31 | 21 45 | 16 53 | 11 41 | 12 12 | 6 55 | | n.a. |
| F 8 | 11 23 | 6 17 | 4 13 | 19 35 | 2 9 | 20 56 | 1 20 | 24 56 | 1 39 | 16 9 | 0 36 | 19 55 | 2 17 | 4 13 | 0 34 | 15 16 | 1 31 | 21 45 | 16 52 | 11 43 | 12 13 | 6 53 | | n.a. |
| S 9 | 11 44 | 10 45 | 4 48 | 20 5 | 2 10 | 21 16 | 1 22 | 24 51 | 1 38 | 16 7 | 0 36 | 19 55 | 2 17 | 4 12 | 0 34 | 15 15 | 1 31 | 21 45 | 16 52 | 11 46 | 12 14 | 6 51 | | n.a. |
| S 10 | 12 4 | 14 30 | 5 4 | 20 32 | 2 9 | 21 34 | 1 24 | 24 47 | 1 37 | 16 5 | 0 36 | 19 54 | 2 17 | 4 11 | 0 34 | 15 15 | 1 31 | 21 45 | 16 51 | 11 50 | 12 15 | 6 49 | | n.a. |
| M11 | 12 24 | 17 19 | 5 0 | 20 57 | 2 8 | 21 52 | 1 26 | 24 42 | 1 36 | 16 3 | 0 35 | 19 54 | 2 17 | 4 10 | 0 34 | 15 15 | 1 31 | 21 45 | 16 51 | 11 53 | 12 16 | 6 47 | | n.a. |
| T 12 | 12 44 | 19 3 | 4 40 | 21 20 | 2 7 | 22 10 | 1 28 | 24 38 | 1 35 | 16 1 | 0 35 | 19 54 | 2 16 | 4 9 | 0 34 | 15 14 | 1 31 | 21 45 | 16 50 | 11 56 | 12 18 | 6 45 | | n.a. |
| W13 | 13 4 | 19 42 | 4 5 | 21 41 | 2 4 | 22 26 | 1 30 | 24 33 | 1 34 | 15 59 | 0 35 | 19 53 | 2 16 | 4 8 | 0 34 | 15 14 | 1 31 | 21 45 | 16 50 | 11 57 | 12 19 | 6 43 | | n.a. |
| T 14 | 13 23 | 19 19 | 3 19 | 22 0 | 2 2 | 22 43 | 1 31 | 24 27 | 1 33 | 15 57 | 0 35 | 19 53 | 2 16 | 4 8 | 0 34 | 15 13 | 1 31 | 21 45 | 16 49 | 11 59 | 12 20 | 6 41 | | n.a. |
| F 15 | 13 43 | 17 59 | 2 25 | 22 16 | 1 58 | 22 58 | 1 33 | 24 22 | 1 32 | 15 55 | 0 35 | 19 52 | 2 16 | 4 7 | 0 34 | 15 13 | 1 31 | 21 45 | 16 49 | 11 59 | 12 21 | 6 40 | | n.a. |
| S 16 | 14 2 | 15 52 | 1 25 | 22 31 | 1 54 | 23 13 | 1 34 | 24 17 | 1 31 | 15 53 | 0 35 | 19 51 | 2 16 | 4 6 | 0 34 | 15 12 | 1 31 | 21 45 | 16 48 | 11 59 | 12 22 | 6 38 | | n.a. |
| S 17 | 14 21 | 13 6 | 0 22 | 22 44 | 1 49 | 23 27 | 1 36 | 24 11 | 1 30 | 15 51 | 0 35 | 19 51 | 2 16 | 4 5 | 0 34 | 15 12 | 1 31 | 21 44 | 16 48 | 11 59 | 12 23 | 6 36 | | n.a. |
| M18 | 14 40 | 9 49 | 0n41 | 22 55 | 1 44 | 23 41 | 1 37 | 24 6 | 1 29 | 15 48 | 0 34 | 19 50 | 2 15 | 4 4 | 0 34 | 15 11 | 1 31 | 21 44 | 16 47 | 11 59 | 12 24 | 6 34 | | n.a. |
| T 19 | 14 58 | 6 9 | 1 42 | 23 5 | 1 38 | 23 54 | 1 39 | 24 0 | 1 28 | 15 46 | 0 34 | 19 50 | 2 15 | 4 3 | 0 34 | 15 11 | 1 31 | 21 44 | 16 47 | 12 0 | 12 25 | 6 32 | | n.a. |
| W20 | 15 17 | 2 13 | 2 38 | 23 12 | 1 31 | 24 6 | 1 40 | 23 54 | 1 27 | 15 44 | 0 34 | 19 49 | 2 15 | 4 3 | 0 33 | 15 10 | 1 31 | 21 44 | 16 46 | 12 1 | 12 27 | 6 30 | | n.a. |
| T 21 | 15 35 | 1s49 | 3 28 | 23 18 | 1 24 | 24 18 | 1 41 | 23 48 | 1 26 | 15 42 | 0 34 | 19 48 | 2 15 | 4 2 | 0 33 | 15 10 | 1 31 | 21 44 | 16 46 | 12 3 | 12 28 | 6 28 | | n.a. |
| F 22 | 15 53 | 5 51 | 4 10 | 23 22 | 1 16 | 24 29 | 1 42 | 23 41 | 1 25 | 15 40 | 0 34 | 19 47 | 2 15 | 4 1 | 0 33 | 15 9 | 1 31 | 21 44 | 16 45 | 12 7 | 12 29 | 6 26 | | n.a. |
| S 23 | 16 10 | 9 42 | 4 40 | 23 25 | 1 8 | 24 39 | 1 43 | 23 35 | 1 24 | 15 37 | 0 34 | 19 47 | 2 14 | 4 0 | 0 33 | 15 9 | 1 31 | 21 43 | 16 45 | 12 10 | 12 30 | 6 25 | | n.a. |
| S 24 | 16 28 | 13 11 | 4 58 | 23 26 | 0 59 | 24 49 | 1 44 | 23 28 | 1 23 | 15 35 | 0 34 | 19 46 | 2 14 | 4 0 | 0 33 | 15 8 | 1 31 | 21 43 | 16 44 | 12 15 | 12 31 | 6 23 | | n.a. |
| M25 | 16 45 | 16 7 | 5 0 | 23 26 | 0 50 | 24 57 | 1 45 | 23 22 | 1 22 | 15 33 | 0 33 | 19 45 | 2 14 | 3 59 | 0 33 | 15 8 | 1 31 | 21 43 | 16 44 | 12 19 | 12 32 | 6 21 | | n.a. |
| T 26 | 17 2 | 18 19 | 4 48 | 23 24 | 0 40 | 25 5 | 1 46 | 23 15 | 1 21 | 15 31 | 0 33 | 19 44 | 2 14 | 3 58 | 0 33 | 15 7 | 1 31 | 21 43 | 16 43 | 12 23 | 12 33 | 6 19 | | n.a. |
| W27 | 17 18 | 19 34 | 4 20 | 23 21 | 0 29 | 25 13 | 1 47 | 23 8 | 1 20 | 15 29 | 0 33 | 19 43 | 2 14 | 3 57 | 0 33 | 15 7 | 1 31 | 21 42 | 16 43 | 12 26 | 12 34 | 6 17 | | n.a. |
| T 28 | 17 35 | 19 46 | 3 38 | 23 17 | 0 19 | 25 19 | 1 48 | 23 0 | 1 19 | 15 26 | 0 33 | 19 43 | 2 14 | 3 57 | 0 33 | 15 7 | 1 31 | 21 42 | 16 42 | 12 29 | 12 35 | 6 15 | | n.a. |
| F 29 | 17 51 | 18 50 | 2 43 | 23 11 | 0 7 | 25 25 | 1 48 | 22 53 | 1 18 | 15 24 | 0 33 | 19 42 | 2 13 | 3 56 | 0 33 | 15 6 | 1 31 | 21 42 | 16 42 | 12 30 | 12 37 | 6 13 | | n.a. |
| S 30 | 18 6 | 16 48 | 1 37 | 23 5 | 0s 5 | 25 31 | 1 49 | 22 45 | 1 17 | 15 22 | 0 33 | 19 41 | 2 13 | 3 55 | 0 33 | 15 6 | 1 31 | 21 41 | 16 41 | 12 31 | 12 38 | 6 11 | | n.a. |
| S 31 | 18n22 | 13s44 | 0n25 | 22n57 | 0s17 | 25n35 | 1n49 | 22n38 | 1n16 | 15s20 | 0n32 | 19n40 | 2n13 | 3s55 | 0n33 | 15s 5 | 1n31 | 21n41 | 16n40 | 12n31 | 12n39 | 6n 9 | | n.a. |

Julian Day Number = 1003096.5, Delta T = 12h48m51s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'19, Lahiri = -31°04'19 Julian Calendar 1 May 1967 BCE == Greg. Calendar 14 Apr. 1967 BCE

The year -1966 astronomical counting style corresponds to year 1967 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## JUNE 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 30 14 | 21♉57'14 | 7♓ 6 | 17♊15 | 24♊48 | 26♋32 | 12°R12 | 12♌ 2 | 10°R56 | 14°R34 | 13°R58 | 27°R42 | 27♌16 | 19♍12 | n.a. | M 1 |
| T 2 | 15 34 11 | 22°54'23 | 21°24 | 17°50 | 26° 0 | 27° 8 | 12♏ 5 | 12° 5 | 10♎54 | 14♏32 | 13♍58 | 27♌41 | 27°13 | 19°19 | n.a. | T 2 |
| W 3 | 15 38 7 | 23°51'32 | 5♈50 | 18°20 | 27°11 | 27°44 | 11°57 | 12° 8 | 10°52 | 14°30 | 13°58 | 27°38 | 27° 9 | 19°25 | n.a. | W 3 |
| T 4 | 15 42 4 | 24°48'42 | 20°22 | 18°47 | 28°23 | 28°20 | 11°50 | 12°11 | 10°51 | 14°29 | 13°57 | 27°31 | 27° 6 | 19°32 | n.a. | T 4 |
| F 5 | 15 46 0 | 25°45'53 | 4♉53 | 19° 9 | 29°34 | 28°56 | 11°43 | 12°15 | 10°49 | 14°27 | 13°57 | 27°23 | 27° 3 | 19°39 | n.a. | F 5 |
| S 6 | 15 49 57 | 26°43'05 | 19°17 | 19°27 | 0♋45 | 29°32 | 11°36 | 12°18 | 10°48 | 14°26 | 13°57 | 27°12 | 27° 0 | 19°45 | n.a. | S 6 |
| S 7 | 15 53 53 | 27°40'18 | 3♊28 | 19°40 | 1°57 | 0♌ 8 | 11°28 | 12°21 | 10°46 | 14°24 | 13°57 | 27° 0 | 26°57 | 19°52 | n.a. | S 7 |
| M 8 | 15 57 50 | 28°37'31 | 17°21 | 19°48 | 3° 8 | 0°44 | 11°21 | 12°25 | 10°45 | 14°23 | 13°57 | 26°49 | 26°53 | 19°59 | n.a. | M 8 |
| T 9 | 16 1 47 | 29°34'46 | 0♋50 | 19°R52 | 4°19 | 1°21 | 11°14 | 12°28 | 10°44 | 14°21 | 13°57 | 26°39 | 26°50 | 20° 5 | n.a. | T 9 |
| W10 | 16 5 43 | 0♊32'01 | 13°56 | 19°50 | 5°31 | 1°57 | 11° 8 | 12°32 | 10°42 | 14°20 | 13°57 | 26°31 | 26°47 | 20°12 | n.a. | W10 |
| T 11 | 16 9 40 | 1°29'17 | 26°39 | 19°44 | 6°42 | 2°34 | 11° 1 | 12°36 | 10°41 | 14°18 | 13°D57 | 26°26 | 26°44 | 20°19 | n.a. | T 11 |
| F 12 | 16 13 36 | 2°26'33 | 9♌ 2 | 19°32 | 7°53 | 3°11 | 10°54 | 12°39 | 10°40 | 14°16 | 13°57 | 26°24 | 26°41 | 20°25 | n.a. | F 12 |
| S 13 | 16 17 33 | 3°23'50 | 21° 9 | 19°15 | 9° 4 | 3°48 | 10°47 | 12°43 | 10°39 | 14°15 | 13°57 | 26°23 | 26°38 | 20°32 | n.a. | S 13 |
| S 14 | 16 21 29 | 4°21'08 | 3♍ 4 | 18°54 | 10°15 | 4°25 | 10°41 | 12°47 | 10°38 | 14°13 | 13°57 | 26°23 | 26°34 | 20°39 | n.a. | S 14 |
| M15 | 16 25 26 | 5°18'26 | 14°54 | 18°28 | 11°26 | 5° 2 | 10°35 | 12°51 | 10°36 | 14°12 | 13°57 | 26°22 | 26°31 | 20°45 | n.a. | M15 |
| T 16 | 16 29 23 | 6°15'46 | 26°43 | 17°57 | 12°37 | 5°39 | 10°28 | 12°55 | 10°35 | 14°10 | 13°57 | 26°21 | 26°28 | 20°52 | n.a. | T 16 |
| W17 | 16 33 19 | 7°13'06 | 8♎37 | 17°23 | 13°48 | 6°16 | 10°22 | 12°59 | 10°34 | 14° 9 | 13°57 | 26°17 | 26°25 | 20°59 | n.a. | W17 |
| T 18 | 16 37 16 | 8°10'27 | 20°41 | 16°44 | 14°59 | 6°54 | 10°16 | 13° 4 | 10°33 | 14° 8 | 13°57 | 26°11 | 26°22 | 21° 5 | n.a. | T 18 |
| F 19 | 16 41 12 | 9° 7'49 | 2♏57 | 16° 3 | 16° 9 | 7°31 | 10°10 | 13° 8 | 10°33 | 14° 6 | 13°58 | 26° 3 | 26°18 | 21°12 | n.a. | F 19 |
| S 20 | 16 45 9 | 10° 5'12 | 15°29 | 15°19 | 17°20 | 8° 9 | 10° 5 | 13°12 | 10°32 | 14° 5 | 13°58 | 25°52 | 26°15 | 21°19 | n.a. | S 20 |
| S 21 | 16 49 5 | 11° 2'36 | 28°18 | 14°33 | 18°31 | 8°46 | 9°59 | 13°17 | 10°31 | 14° 3 | 13°58 | 25°40 | 26°12 | 21°25 | n.a. | S 21 |
| M22 | 16 53 2 | 12° 0'02 | 11♐23 | 13°47 | 19°41 | 9°24 | 9°53 | 13°21 | 10°30 | 14° 2 | 13°59 | 25°28 | 26° 9 | 21°32 | n.a. | M22 |
| T 23 | 16 56 58 | 12°57'28 | 24°43 | 13° 0 | 20°52 | 10° 2 | 9°48 | 13°26 | 10°29 | 14° 1 | 13°59 | 25°17 | 26° 6 | 21°39 | n.a. | T 23 |
| W24 | 17 0 55 | 13°54'56 | 8♑17 | 12°14 | 22° 2 | 10°40 | 9°43 | 13°31 | 10°29 | 13°59 | 13°59 | 25° 8 | 26° 3 | 21°45 | n.a. | W24 |
| T 25 | 17 4 52 | 14°52'26 | 22° 1 | 11°29 | 23°12 | 11°18 | 9°38 | 13°36 | 10°28 | 13°58 | 14° 0 | 25° 2 | 25°59 | 21°52 | n.a. | T 25 |
| F 26 | 17 8 48 | 15°49'57 | 5♒53 | 10°47 | 24°23 | 11°56 | 9°33 | 13°40 | 10°28 | 13°57 | 14° 0 | 24°58 | 25°56 | 21°59 | n.a. | F 26 |
| S 27 | 17 12 45 | 16°47'29 | 19°51 | 10° 9 | 25°33 | 12°34 | 9°28 | 13°45 | 10°27 | 13°55 | 14° 1 | 24°D57 | 25°53 | 22° 5 | n.a. | S 27 |
| S 28 | 17 16 41 | 17°45'04 | 3♓54 | 9°34 | 26°43 | 13°13 | 9°24 | 13°50 | 10°27 | 13°54 | 14° 1 | 24°57 | 25°50 | 22°12 | n.a. | S 28 |
| M29 | 17 20 38 | 18°42'39 | 18° 1 | 9° 4 | 27°53 | 13°51 | 9°19 | 13°55 | 10°26 | 13°53 | 14° 2 | 24°R58 | 25°47 | 22°19 | n.a. | M29 |
| T 30 | 17 24 34 | 19♊40'17 | 2♈10 | 8♊40 | 29♋ 3 | 14♌30 | 9♏15 | 14♌ 0 | 10♎26 | 13♏51 | 14♍ 3 | 24♌57 | 25♌44 | 22♍25 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 18n37 | 9s50 | 0s50 | 22n48 | 0s29 | 25n39 | 1n50 | 22n30 | 1n15 | 15s18 | 0n32 | 19n39 | 2n13 | 3s54 | 0n33 | 15s 5 | 1n31 | 21n41 | 16n40 | 12n31 | 12n40 | 6n 7 | | n.a. |
| T 2 | 18 52 | 5 20 | 2 2 | 22 39 | 0 43 | 25 41 | 1 50 | 22 22 | 1 14 | 15 16 | 0 32 | 19 38 | 2 13 | 3 53 | 0 33 | 15 4 | 1 31 | 21 40 | 16 39 | 12 31 | 12 41 | 6 5 | | n.a. |
| W 3 | 19 7 | 0 29 | 3 7 | 22 28 | 0 56 | 25 44 | 1 50 | 22 14 | 1 13 | 15 13 | 0 32 | 19 37 | 2 13 | 3 53 | 0 33 | 15 4 | 1 31 | 21 40 | 16 39 | 12 32 | 12 42 | 6 4 | | n.a. |
| T 4 | 19 21 | 4n24 | 4 0 | 22 17 | 1 10 | 25 45 | 1 51 | 22 5 | 1 12 | 15 11 | 0 32 | 19 36 | 2 12 | 3 52 | 0 33 | 15 3 | 1 31 | 21 39 | 16 38 | 12 34 | 12 43 | 6 2 | | n.a. |
| F 5 | 19 35 | 9 3 | 4 38 | 22 5 | 1 24 | 25 46 | 1 51 | 21 57 | 1 11 | 15 9 | 0 31 | 19 35 | 2 12 | 3 52 | 0 33 | 15 3 | 1 31 | 21 39 | 16 38 | 12 38 | 12 44 | 6 0 | | n.a. |
| S 6 | 19 49 | 13 7 | 4 58 | 21 52 | 1 38 | 25 46 | 1 51 | 21 48 | 1 11 | 15 7 | 0 31 | 19 33 | 2 12 | 3 51 | 0 33 | 15 2 | 1 31 | 21 39 | 16 37 | 12 41 | 12 45 | 5 58 | | n.a. |
| S 7 | 20 2 | 16 23 | 4 59 | 21 39 | 1 52 | 25 45 | 1 51 | 21 39 | 1 10 | 15 5 | 0 31 | 19 32 | 2 12 | 3 51 | 0 33 | 15 2 | 1 31 | 21 38 | 16 36 | 12 45 | 12 47 | 5 56 | | n.a. |
| M 8 | 20 15 | 18 37 | 4 42 | 21 25 | 2 6 | 25 43 | 1 50 | 21 31 | 1 9 | 15 3 | 0 31 | 19 31 | 2 12 | 3 50 | 0 33 | 15 1 | 1 31 | 21 38 | 16 36 | 12 49 | 12 48 | 5 54 | | n.a. |
| T 9 | 20 28 | 19 45 | 4 10 | 21 11 | 2 21 | 25 41 | 1 50 | 21 21 | 1 8 | 15 1 | 0 31 | 19 30 | 2 12 | 3 49 | 0 33 | 15 1 | 1 31 | 21 37 | 16 35 | 12 53 | 12 49 | 5 52 | | n.a. |
| W10 | 20 40 | 19 47 | 3 25 | 20 57 | 2 35 | 25 38 | 1 50 | 21 12 | 1 7 | 14 59 | 0 31 | 19 29 | 2 11 | 3 49 | 0 33 | 15 1 | 1 31 | 21 37 | 16 35 | 12 55 | 12 50 | 5 50 | | n.a. |
| T 11 | 20 52 | 18 47 | 2 31 | 20 42 | 2 49 | 25 34 | 1 49 | 21 3 | 1 6 | 14 57 | 0 30 | 19 28 | 2 11 | 3 49 | 0 33 | 15 0 | 1 31 | 21 36 | 16 34 | 12 57 | 12 51 | 5 48 | | n.a. |
| F 12 | 21 4 | 16 54 | 1 31 | 20 28 | 3 3 | 25 29 | 1 49 | 20 53 | 1 5 | 14 55 | 0 30 | 19 26 | 2 11 | 3 48 | 0 33 | 15 0 | 1 31 | 21 36 | 16 34 | 12 58 | 12 52 | 5 46 | | n.a. |
| S 13 | 21 15 | 14 18 | 0 28 | 20 13 | 3 16 | 25 24 | 1 48 | 20 43 | 1 4 | 14 53 | 0 30 | 19 25 | 2 11 | 3 48 | 0 33 | 14 59 | 1 31 | 21 35 | 16 33 | 12 58 | 12 53 | 5 44 | | n.a. |
| S 14 | 21 26 | 11 8 | 0n35 | 19 59 | 3 28 | 25 18 | 1 48 | 20 34 | 1 3 | 14 51 | 0 30 | 19 24 | 2 11 | 3 47 | 0 33 | 14 59 | 1 31 | 21 34 | 16 32 | 12 58 | 12 54 | 5 42 | | n.a. |
| M15 | 21 37 | 7 33 | 1 37 | 19 45 | 3 40 | 25 11 | 1 47 | 20 24 | 1 2 | 14 49 | 0 30 | 19 22 | 2 11 | 3 47 | 0 33 | 14 58 | 1 31 | 21 34 | 16 32 | 12 58 | 12 55 | 5 40 | | n.a. |
| T 16 | 21 47 | 3 40 | 2 34 | 19 31 | 3 52 | 25 4 | 1 46 | 20 13 | 1 1 | 14 48 | 0 29 | 19 21 | 2 10 | 3 46 | 0 33 | 14 58 | 1 31 | 21 33 | 16 31 | 12 59 | 12 57 | 5 38 | | n.a. |
| W17 | 21 57 | 0s22 | 3 24 | 19 18 | 4 2 | 24 56 | 1 45 | 20 3 | 1 0 | 14 46 | 0 29 | 19 20 | 2 10 | 3 46 | 0 33 | 14 58 | 1 31 | 21 33 | 16 31 | 13 0 | 12 58 | 5 37 | | n.a. |
| T 18 | 22 7 | 4 26 | 4 6 | 19 5 | 4 10 | 24 47 | 1 44 | 19 52 | 0 59 | 14 44 | 0 29 | 19 18 | 2 10 | 3 46 | 0 33 | 14 57 | 1 31 | 21 32 | 16 30 | 13 2 | 12 59 | 5 35 | | n.a. |
| F 19 | 22 16 | 8 24 | 4 38 | 18 54 | 4 18 | 24 37 | 1 43 | 19 42 | 0 58 | 14 43 | 0 29 | 19 17 | 2 10 | 3 45 | 0 33 | 14 57 | 1 31 | 21 31 | 16 29 | 13 5 | 13 0 | 5 33 | | n.a. |
| S 20 | 22 24 | 12 5 | 4 57 | 18 43 | 4 24 | 24 27 | 1 42 | 19 31 | 0 57 | 14 41 | 0 28 | 19 15 | 2 10 | 3 45 | 0 33 | 14 56 | 1 31 | 21 31 | 16 29 | 13 9 | 13 1 | 5 31 | | n.a. |
| S 21 | 22 33 | 15 17 | 5 1 | 18 34 | 4 29 | 24 16 | 1 40 | 19 20 | 0 57 | 14 39 | 0 28 | 19 14 | 2 10 | 3 45 | 0 33 | 14 56 | 1 31 | 21 30 | 16 28 | 13 13 | 13 2 | 5 29 | | n.a. |
| M22 | 22 41 | 17 48 | 4 50 | 18 25 | 4 31 | 24 4 | 1 39 | 19 9 | 0 56 | 14 38 | 0 28 | 19 13 | 2 10 | 3 44 | 0 33 | 14 56 | 1 31 | 21 29 | 16 28 | 13 17 | 13 3 | 5 27 | | n.a. |
| T 23 | 22 48 | 19 26 | 4 23 | 18 19 | 4 32 | 23 52 | 1 37 | 18 58 | 0 55 | 14 36 | 0 28 | 19 11 | 2 9 | 3 44 | 0 32 | 14 55 | 1 31 | 21 29 | 16 27 | 13 21 | 13 4 | 5 25 | | n.a. |
| W24 | 22 56 | 19 59 | 3 41 | 18 13 | 4 32 | 23 39 | 1 36 | 18 46 | 0 54 | 14 35 | 0 28 | 19 10 | 2 9 | 3 44 | 0 32 | 14 55 | 1 31 | 21 28 | 16 26 | 13 24 | 13 5 | 5 23 | | n.a. |
| T 25 | 23 2 | 19 21 | 2 46 | 18 10 | 4 29 | 23 25 | 1 34 | 18 35 | 0 53 | 14 33 | 0 27 | 19 8 | 2 9 | 3 44 | 0 32 | 14 55 | 1 31 | 21 27 | 16 26 | 13 26 | 13 6 | 5 21 | | n.a. |
| F 26 | 23 9 | 17 34 | 1 40 | 18 8 | 4 25 | 23 11 | 1 32 | 18 23 | 0 52 | 14 32 | 0 27 | 19 6 | 2 9 | 3 44 | 0 32 | 14 54 | 1 31 | 21 27 | 16 25 | 13 27 | 13 8 | 5 19 | | n.a. |
| S 27 | 23 15 | 14 44 | 0 27 | 18 9 | 4 19 | 22 56 | 1 30 | 18 11 | 0 51 | 14 31 | 0 27 | 19 5 | 2 9 | 3 43 | 0 32 | 14 54 | 1 31 | 21 26 | 16 25 | 13 28 | 13 9 | 5 17 | | n.a. |
| S 28 | 23 20 | 11 1 | 0s48 | 18 11 | 4 11 | 22 40 | 1 28 | 17 59 | 0 50 | 14 29 | 0 27 | 19 3 | 2 9 | 3 43 | 0 32 | 14 53 | 1 30 | 21 25 | 16 24 | 13 28 | 13 10 | 5 15 | | n.a. |
| M29 | 23 26 | 6 40 | 2 0 | 18 16 | 4 2 | 22 24 | 1 26 | 17 47 | 0 49 | 14 28 | 0 27 | 19 2 | 2 9 | 3 43 | 0 32 | 14 53 | 1 30 | 21 24 | 16 23 | 13 28 | 13 11 | 5 13 | | n.a. |
| T 30 | 23n30 | 1s56 | 3s 5 | 18n23 | 3s52 | 22n 8 | 1n24 | 17n35 | 0n48 | 14s27 | 0n26 | 19n 0 | 2n 9 | 3s43 | 0n32 | 14s53 | 1n30 | 21n23 | 16n23 | 13n28 | 13n12 | 5n11 | | n.a. |

Julian Day Number = 1003127.5, Delta T = 12h48m49s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'15, Lahiri = -31°04'14 Julian Calendar 1 June 1967 BCE == Greg. Calendar 15 May 1967 BCE

The year -1966 astronomical counting style corresponds to year 1967 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## JULY 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 28 31 | 20♊37'57 | 16♈20 | 8°R22 | 0♌13 | 15♌ 8 | 9°R11 | 14♌ 5 | 10°R26 | 13°R50 | 14♍ 3 | 24°R54 | 25♌40 | 22♍32 | n.a. | W 1 |
| T 2 | 17 32 28 | 21°35'38 | 0♉30 | 8♊10 | 1°23 | 15°47 | 9♏ 7 | 14°11 | 10♎25 | 13♏49 | 14° 4 | 24♌50 | 25°37 | 22°39 | n.a. | T 2 |
| F 3 | 17 36 24 | 22°33'21 | 14°36 | 8°D 6 | 2°33 | 16°26 | 9° 3 | 14°16 | 10°25 | 13°48 | 14° 5 | 24°42 | 25°34 | 22°45 | n.a. | F 3 |
| S 4 | 17 40 21 | 23°31'06 | 28°34 | 8° 8 | 3°43 | 17° 5 | 8°59 | 14°21 | 10°25 | 13°47 | 14° 6 | 24°33 | 25°31 | 22°52 | n.a. | S 4 |
| S 5 | 17 44 17 | 24°28'52 | 12♊21 | 8°18 | 4°52 | 17°44 | 8°56 | 14°27 | 10°25 | 13°46 | 14° 6 | 24°23 | 25°28 | 22°59 | n.a. | S 5 |
| M 6 | 17 48 14 | 25°26'41 | 25°53 | 8°35 | 6° 2 | 18°23 | 8°53 | 14°32 | 10°25 | 13°44 | 14° 7 | 24°14 | 25°24 | 23° 5 | n.a. | M 6 |
| T 7 | 17 52 10 | 26°24'31 | 9♋ 7 | 9° 0 | 7°11 | 19° 2 | 8°50 | 14°38 | 10°D25 | 13°43 | 14° 8 | 24° 5 | 25°21 | 23°12 | n.a. | T 7 |
| W 8 | 17 56 7 | 27°22'22 | 22° 2 | 9°32 | 8°21 | 19°41 | 8°47 | 14°43 | 10°25 | 13°42 | 14° 9 | 23°59 | 25°18 | 23°19 | n.a. | W 8 |
| T 9 | 18 0 3 | 28°20'16 | 4♌38 | 10°12 | 9°30 | 20°21 | 8°44 | 14°49 | 10°25 | 13°41 | 14°10 | 23°55 | 25°15 | 23°25 | n.a. | T 9 |
| F 10 | 18 4 0 | 29°18'10 | 16°57 | 10°59 | 10°39 | 21° 0 | 8°42 | 14°55 | 10°25 | 13°40 | 14°11 | 23°53 | 25°12 | 23°32 | n.a. | F 10 |
| S 11 | 18 7 57 | 0♋16'06 | 29° 2 | 11°53 | 11°49 | 21°40 | 8°39 | 15° 0 | 10°25 | 13°39 | 14°12 | 23°D53 | 25° 9 | 23°39 | n.a. | S 11 |
| S 12 | 18 11 53 | 1°14'04 | 10♍57 | 12°54 | 12°58 | 22°19 | 8°37 | 15° 6 | 10°25 | 13°38 | 14°13 | 23°54 | 25° 5 | 23°45 | n.a. | S 12 |
| M13 | 18 15 50 | 2°12'03 | 22°47 | 14° 2 | 14° 7 | 22°59 | 8°35 | 15°12 | 10°26 | 13°37 | 14°14 | 23°55 | 25° 2 | 23°52 | n.a. | M13 |
| T 14 | 18 19 46 | 3°10'04 | 4♎37 | 15°16 | 15°16 | 23°39 | 8°33 | 15°18 | 10°26 | 13°36 | 14°15 | 23°R55 | 24°59 | 23°59 | n.a. | T 14 |
| W15 | 18 23 43 | 4° 8'06 | 16°32 | 16°35 | 16°24 | 24°19 | 8°32 | 15°24 | 10°26 | 13°36 | 14°16 | 23°54 | 24°56 | 24° 5 | n.a. | W15 |
| T 16 | 18 27 39 | 5° 6'10 | 28°38 | 18° 0 | 17°33 | 24°59 | 8°30 | 15°30 | 10°27 | 13°35 | 14°17 | 23°51 | 24°53 | 24°12 | n.a. | T 16 |
| F 17 | 18 31 36 | 6° 4'15 | 10♏58 | 19°30 | 18°42 | 25°39 | 8°29 | 15°36 | 10°27 | 13°34 | 14°19 | 23°46 | 24°50 | 24°18 | n.a. | F 17 |
| S 18 | 18 35 32 | 7° 2'23 | 23°36 | 21° 5 | 19°50 | 26°19 | 8°28 | 15°42 | 10°28 | 13°33 | 14°20 | 23°40 | 24°46 | 24°25 | n.a. | S 18 |
| S 19 | 18 39 29 | 8° 0'31 | 6♐34 | 22°44 | 20°58 | 26°59 | 8°27 | 15°48 | 10°29 | 13°32 | 14°21 | 23°33 | 24°43 | 24°32 | n.a. | S 19 |
| M20 | 18 43 25 | 8°58'42 | 19°54 | 24°26 | 22° 7 | 27°40 | 8°27 | 15°54 | 10°29 | 13°32 | 14°22 | 23°25 | 24°40 | 24°38 | n.a. | M20 |
| T 21 | 18 47 22 | 9°56'55 | 3♑33 | 26°11 | 23°15 | 28°20 | 8°26 | 16° 1 | 10°30 | 13°31 | 14°24 | 23°18 | 24°37 | 24°45 | n.a. | T 21 |
| W22 | 18 51 19 | 10°55'09 | 17°30 | 27°59 | 24°23 | 29° 0 | 8°26 | 16° 7 | 10°31 | 13°30 | 14°25 | 23°13 | 24°34 | 24°52 | n.a. | W22 |
| T 23 | 18 55 15 | 11°53'26 | 1♒39 | 29°49 | 25°30 | 29°41 | 8°D26 | 16°13 | 10°32 | 13°29 | 14°26 | 23° 9 | 24°30 | 24°59 | n.a. | T 23 |
| F 24 | 18 59 12 | 12°51'44 | 15°57 | 1♋41 | 26°38 | 0♍22 | 8°26 | 16°19 | 10°32 | 13°29 | 14°28 | 23° 7 | 24°27 | 25° 5 | n.a. | F 24 |
| S 25 | 19 3 8 | 13°50'05 | 0♓19 | 3°34 | 27°46 | 1° 2 | 8°26 | 16°26 | 10°33 | 13°28 | 14°29 | 23°D 7 | 24°24 | 25°12 | n.a. | S 25 |
| S 26 | 19 7 5 | 14°48'28 | 14°40 | 5°28 | 28°53 | 1°43 | 8°27 | 16°32 | 10°34 | 13°28 | 14°31 | 23° 8 | 24°21 | 25°19 | n.a. | S 26 |
| M27 | 19 11 1 | 15°46'53 | 28°58 | 7°22 | 0♍ 1 | 2°24 | 8°27 | 16°39 | 10°35 | 13°27 | 14°32 | 23° 9 | 24°18 | 25°25 | n.a. | M27 |
| T 28 | 19 14 58 | 16°45'21 | 13♈10 | 9°17 | 1° 8 | 3° 5 | 8°28 | 16°45 | 10°36 | 13°27 | 14°34 | 23°R10 | 24°15 | 25°32 | n.a. | T 28 |
| W29 | 19 18 54 | 17°43'50 | 27°14 | 11°12 | 2°15 | 3°46 | 8°29 | 16°52 | 10°38 | 13°26 | 14°35 | 23°10 | 24°11 | 25°38 | n.a. | W29 |
| T 30 | 19 22 51 | 18°42'23 | 11♉10 | 13° 7 | 3°22 | 4°27 | 8°31 | 16°58 | 10°39 | 13°26 | 14°37 | 23° 8 | 24° 8 | 25°45 | n.a. | T 30 |
| F 31 | 19 26 48 | 19♋40'58 | 24♉55 | 15♋ 2 | 4♍29 | 5♍ 8 | 8♏32 | 17♌ 5 | 10♎40 | 13♏25 | 14♍38 | 23♌ 5 | 24♌ 5 | 25♍52 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| W 1 | 23n35 | 2n53 | 3s58 | 18n31 | 3s40 | 21n50 | 1n22 | 17n22 | 0n48 | 14s26 | 0n26 | 18n58 | 2n 8 | 3s43 | 0n32 | 14s52 | 1n30 | 21n23 | 16n22 | 13n29 | 13n13 | 5n 9 | | | n.a. |
| T 2 | 23 39 | 7 33 | 4 38 | 18 42 | 3 27 | 21 32 | 1 19 | 17 10 | 0 47 | 14 25 | 0 26 | 18 57 | 2 8 | 3 43 | 0 32 | 14 52 | 1 30 | 21 22 | 16 22 | 13 30 | 13 14 | 5 7 | | | n.a. |
| F 3 | 23 42 | 11 46 | 5 0 | 18 55 | 3 13 | 21 14 | 1 17 | 16 57 | 0 46 | 14 24 | 0 26 | 18 55 | 2 8 | 3 43 | 0 32 | 14 52 | 1 30 | 21 21 | 16 21 | 13 33 | 13 15 | 5 5 | | | n.a. |
| S 4 | 23 45 | 15 19 | 5 3 | 19 10 | 2 59 | 20 55 | 1 14 | 16 44 | 0 45 | 14 23 | 0 25 | 18 53 | 2 8 | 3 43 | 0 32 | 14 51 | 1 30 | 21 20 | 16 21 | 13 36 | 13 16 | 5 3 | | | n.a. |
| S 5 | 23 48 | 17 57 | 4 50 | 19 26 | 2 44 | 20 35 | 1 12 | 16 31 | 0 44 | 14 22 | 0 25 | 18 52 | 2 8 | 3 43 | 0 32 | 14 51 | 1 30 | 21 19 | 16 20 | 13 39 | 13 17 | 5 1 | | | n.a. |
| M 6 | 23 50 | 19 32 | 4 20 | 19 45 | 2 28 | 20 15 | 1 9 | 16 18 | 0 43 | 14 21 | 0 25 | 18 50 | 2 8 | 3 43 | 0 32 | 14 51 | 1 30 | 21 19 | 16 19 | 13 43 | 13 18 | 4 59 | | | n.a. |
| T 7 | 23 52 | 20 0 | 3 36 | 20 4 | 2 12 | 19 55 | 1 6 | 16 5 | 0 42 | 14 20 | 0 25 | 18 48 | 2 8 | 3 43 | 0 32 | 14 51 | 1 30 | 21 18 | 16 19 | 13 45 | 13 20 | 4 57 | | | n.a. |
| W 8 | 23 53 | 19 24 | 2 42 | 20 25 | 1 56 | 19 33 | 1 3 | 15 51 | 0 41 | 14 19 | 0 25 | 18 46 | 2 8 | 3 43 | 0 32 | 14 50 | 1 30 | 21 17 | 16 18 | 13 48 | 13 21 | 4 55 | | | n.a. |
| T 9 | 23 54 | 17 51 | 1 42 | 20 47 | 1 40 | 19 12 | 1 0 | 15 38 | 0 40 | 14 19 | 0 24 | 18 45 | 2 8 | 3 43 | 0 32 | 14 50 | 1 30 | 21 16 | 16 18 | 13 49 | 13 22 | 4 53 | | | n.a. |
| F 10 | 23 55 | 15 29 | 0 37 | 21 10 | 1 23 | 18 50 | 0 57 | 15 24 | 0 40 | 14 18 | 0 24 | 18 43 | 2 7 | 3 43 | 0 32 | 14 50 | 1 30 | 21 15 | 16 17 | 13 50 | 13 23 | 4 51 | | | n.a. |
| S 11 | 23 55 | 12 28 | 0n28 | 21 33 | 1 7 | 18 27 | 0 54 | 15 10 | 0 39 | 14 18 | 0 24 | 18 41 | 2 7 | 3 43 | 0 32 | 14 50 | 1 30 | 21 14 | 16 17 | 13 50 | 13 24 | 4 49 | | | n.a. |
| S 12 | 23 55 | 9 0 | 1 31 | 21 57 | 0 52 | 18 4 | 0 51 | 14 57 | 0 38 | 14 17 | 0 24 | 18 39 | 2 7 | 3 43 | 0 32 | 14 49 | 1 30 | 21 13 | 16 16 | 13 49 | 13 25 | 4 47 | | | n.a. |
| M13 | 23 54 | 5 12 | 2 29 | 22 20 | 0 37 | 17 41 | 0 47 | 14 42 | 0 37 | 14 17 | 0 24 | 18 37 | 2 7 | 3 43 | 0 32 | 14 49 | 1 30 | 21 12 | 16 15 | 13 49 | 13 26 | 4 45 | | | n.a. |
| T 14 | 23 53 | 1 12 | 3 22 | 22 43 | 0 22 | 17 17 | 0 44 | 14 28 | 0 36 | 14 16 | 0 23 | 18 35 | 2 7 | 3 44 | 0 32 | 14 49 | 1 30 | 21 11 | 16 15 | 13 49 | 13 27 | 4 43 | | | n.a. |
| W15 | 23 51 | 2s51 | 4 6 | 23 6 | 0 8 | 16 53 | 0 41 | 14 14 | 0 35 | 14 16 | 0 23 | 18 33 | 2 7 | 3 44 | 0 32 | 14 49 | 1 30 | 21 10 | 16 14 | 13 49 | 13 28 | 4 42 | | | n.a. |
| T 16 | 23 49 | 6 51 | 4 39 | 23 28 | 0n 6 | 16 28 | 0 37 | 14 0 | 0 34 | 14 16 | 0 23 | 18 32 | 2 7 | 3 44 | 0 32 | 14 48 | 1 30 | 21 9 | 16 14 | 13 50 | 13 29 | 4 40 | | | n.a. |
| F 17 | 23 47 | 10 39 | 5 1 | 23 48 | 0 19 | 16 3 | 0 33 | 13 45 | 0 33 | 14 15 | 0 23 | 18 30 | 2 7 | 3 44 | 0 32 | 14 48 | 1 30 | 21 8 | 16 13 | 13 52 | 13 30 | 4 38 | | | n.a. |
| S 18 | 23 44 | 14 4 | 5 8 | 24 7 | 0 31 | 15 38 | 0 30 | 13 30 | 0 33 | 14 15 | 0 22 | 18 28 | 2 7 | 3 44 | 0 32 | 14 48 | 1 30 | 21 7 | 16 13 | 13 54 | 13 31 | 4 36 | | | n.a. |
| S 19 | 23 40 | 16 54 | 5 1 | 24 24 | 0 42 | 15 12 | 0 26 | 13 15 | 0 32 | 14 15 | 0 22 | 18 26 | 2 7 | 3 45 | 0 32 | 14 48 | 1 29 | 21 6 | 16 12 | 13 56 | 13 33 | 4 34 | | | n.a. |
| M20 | 23 36 | 18 56 | 4 37 | 24 40 | 0 52 | 14 46 | 0 22 | 13 1 | 0 31 | 14 15 | 0 22 | 18 24 | 2 7 | 3 45 | 0 32 | 14 48 | 1 29 | 21 5 | 16 12 | 13 59 | 13 34 | 4 32 | | | n.a. |
| T 21 | 23 32 | 19 56 | 3 56 | 24 53 | 1 1 | 14 19 | 0 18 | 12 45 | 0 30 | 14 15 | 0 22 | 18 22 | 2 6 | 3 45 | 0 32 | 14 47 | 1 29 | 21 4 | 16 11 | 14 1 | 13 35 | 4 30 | | | n.a. |
| W22 | 23 28 | 19 45 | 3 1 | 25 4 | 1 10 | 13 53 | 0 14 | 12 30 | 0 29 | 14 15 | 0 22 | 18 20 | 2 6 | 3 46 | 0 31 | 14 47 | 1 29 | 21 3 | 16 11 | 14 3 | 13 36 | 4 28 | | | n.a. |
| T 23 | 23 22 | 18 20 | 1 54 | 25 13 | 1 18 | 13 25 | 0 10 | 12 15 | 0 28 | 14 16 | 0 21 | 18 18 | 2 6 | 3 46 | 0 31 | 14 47 | 1 29 | 21 2 | 16 10 | 14 4 | 13 37 | 4 26 | | | n.a. |
| F 24 | 23 17 | 15 45 | 0 39 | 25 19 | 1 24 | 12 58 | 0 5 | 12 0 | 0 27 | 14 16 | 0 21 | 18 16 | 2 6 | 3 46 | 0 31 | 14 47 | 1 29 | 21 1 | 16 10 | 14 5 | 13 38 | 4 24 | | | n.a. |
| S 25 | 23 11 | 12 11 | 0s39 | 25 22 | 1 30 | 12 30 | 0 1 | 11 44 | 0 27 | 14 16 | 0 21 | 18 14 | 2 6 | 3 47 | 0 31 | 14 47 | 1 29 | 21 0 | 16 9 | 14 5 | 13 39 | 4 22 | | | n.a. |
| S 26 | 23 5 | 7 55 | 1 55 | 25 23 | 1 35 | 12 3 | 0s 3 | 11 29 | 0 26 | 14 16 | 0 21 | 18 12 | 2 6 | 3 47 | 0 31 | 14 47 | 1 29 | 20 59 | 16 9 | 14 5 | 13 40 | 4 20 | | | n.a. |
| M27 | 22 58 | 3 12 | 3 3 | 25 22 | 1 39 | 11 34 | 0 8 | 11 13 | 0 25 | 14 17 | 0 21 | 18 10 | 2 6 | 3 48 | 0 31 | 14 47 | 1 29 | 20 58 | 16 8 | 14 4 | 13 41 | 4 18 | | | n.a. |
| T 28 | 22 51 | 1n38 | 3 59 | 25 18 | 1 43 | 11 6 | 0 12 | 10 57 | 0 24 | 14 17 | 0 20 | 18 7 | 2 6 | 3 48 | 0 31 | 14 47 | 1 29 | 20 57 | 16 8 | 14 4 | 13 42 | 4 16 | | | n.a. |
| W29 | 22 43 | 6 20 | 4 41 | 25 11 | 1 45 | 10 37 | 0 17 | 10 41 | 0 23 | 14 18 | 0 20 | 18 5 | 2 6 | 3 49 | 0 31 | 14 46 | 1 29 | 20 56 | 16 7 | 14 4 | 13 43 | 4 14 | | | n.a. |
| T 30 | 22 35 | 10 39 | 5 5 | 25 2 | 1 47 | 10 9 | 0 21 | 10 25 | 0 22 | 14 19 | 0 20 | 18 3 | 2 6 | 3 49 | 0 31 | 14 46 | 1 29 | 20 55 | 16 7 | 14 5 | 13 44 | 4 12 | | | n.a. |
| F 31 | 22n26 | 14n20 | 5s12 | 24n51 | 1n48 | 9n40 | 0s26 | 10n 9 | 0n22 | 14s19 | 0n20 | 18n 1 | 2n 6 | 3s50 | 0n31 | 14s46 | 1n29 | 20n54 | 16n 6 | 14n 6 | 13n46 | 4n 9 | | | n.a. |

Julian Day Number = 1003157.5, Delta T = 12h48m47s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'11, Lahiri = -31°04'10 Julian Calendar 1 July 1967 BCE == Greg. Calendar 14 June 1967 BCE


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## AUGUST 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 30 44 | 20♋39'35 | 8♊28 | 16♋56 | 5♍35 | 5♍50 | 8♏34 | 17♌12 | 10♎41 | 13°R25 | 14♍40 | 23°R 0 | 24♌ 2 | 25♍59 | n.a. | S 1 |
| S 2 | 19 34 41 | 21°38'14 | 21°49 | 18°49 | 6°42 | 6°31 | 8°36 | 17°18 | 10°43 | 13♏25 | 14°42 | 22♌55 | 23°59 | 26° 5 | n.a. | S 2 |
| M 3 | 19 38 37 | 22°36'56 | 4♋57 | 20°42 | 7°48 | 7°12 | 8°38 | 17°25 | 10°44 | 13°24 | 14°43 | 22°50 | 23°56 | 26°12 | n.a. | M 3 |
| T 4 | 19 42 34 | 23°35'40 | 17°50 | 22°34 | 8°54 | 7°54 | 8°40 | 17°32 | 10°45 | 13°24 | 14°45 | 22°46 | 23°52 | 26°19 | n.a. | T 4 |
| W 5 | 19 46 30 | 24°34'26 | 0♌28 | 24°25 | 10° 0 | 8°36 | 8°42 | 17°39 | 10°47 | 13°24 | 14°47 | 22°43 | 23°49 | 26°25 | n.a. | W 5 |
| T 6 | 19 50 27 | 25°33'14 | 12°52 | 26°16 | 11° 6 | 9°17 | 8°45 | 17°46 | 10°48 | 13°23 | 14°48 | 22°41 | 23°46 | 26°32 | n.a. | T 6 |
| F 7 | 19 54 23 | 26°32'04 | 25° 3 | 28° 5 | 12°12 | 9°59 | 8°48 | 17°52 | 10°50 | 13°23 | 14°50 | 22°D41 | 23°43 | 26°39 | n.a. | F 7 |
| S 8 | 19 58 20 | 27°30'57 | 7♍ 4 | 29°54 | 13°17 | 10°41 | 8°51 | 17°59 | 10°51 | 13°23 | 14°52 | 22°41 | 23°40 | 26°45 | n.a. | S 8 |
| S 9 | 20 2 16 | 28°29'51 | 18°57 | 1♌41 | 14°22 | 11°23 | 8°54 | 18° 6 | 10°53 | 13°23 | 14°54 | 22°43 | 23°36 | 26°52 | n.a. | S 9 |
| M10 | 20 6 13 | 29°28'47 | 0♎46 | 3°28 | 15°27 | 12° 5 | 8°57 | 18°13 | 10°55 | 13°23 | 14°56 | 22°45 | 23°33 | 26°59 | n.a. | M10 |
| T 11 | 20 10 10 | 0♌27'45 | 12°35 | 5°14 | 16°32 | 12°47 | 9° 0 | 18°20 | 10°57 | 13°23 | 14°58 | 22°46 | 23°30 | 27° 5 | n.a. | T 11 |
| W12 | 20 14 6 | 1°26'46 | 24°29 | 6°58 | 17°37 | 13°29 | 9° 4 | 18°27 | 10°58 | 13°23 | 14°59 | 22°47 | 23°27 | 27°12 | n.a. | W12 |
| T 13 | 20 18 3 | 2°25'48 | 6♏33 | 8°42 | 18°41 | 14°11 | 9° 8 | 18°34 | 11° 0 | 13°D23 | 15° 1 | 22°R47 | 23°24 | 27°19 | n.a. | T 13 |
| F 14 | 20 21 59 | 3°24'52 | 18°52 | 10°25 | 19°46 | 14°54 | 9°12 | 18°41 | 11° 2 | 13°23 | 15° 3 | 22°46 | 23°21 | 27°25 | n.a. | F 14 |
| S 15 | 20 25 56 | 4°23'58 | 1♐29 | 12° 7 | 20°50 | 15°36 | 9°16 | 18°48 | 11° 4 | 13°23 | 15° 5 | 22°45 | 23°17 | 27°32 | n.a. | S 15 |
| S 16 | 20 29 52 | 5°23'06 | 14°29 | 13°48 | 21°53 | 16°19 | 9°21 | 18°55 | 11° 6 | 13°23 | 15° 7 | 22°43 | 23°14 | 27°39 | n.a. | S 16 |
| M17 | 20 33 49 | 6°22'16 | 27°53 | 15°28 | 22°57 | 17° 1 | 9°25 | 19° 2 | 11° 8 | 13°23 | 15° 9 | 22°40 | 23°11 | 27°45 | n.a. | M17 |
| T 18 | 20 37 45 | 7°21'28 | 11♑42 | 17° 7 | 24° 0 | 17°44 | 9°30 | 19° 9 | 11°10 | 13°23 | 15°11 | 22°38 | 23° 8 | 27°52 | n.a. | T 18 |
| W19 | 20 41 42 | 8°20'42 | 25°54 | 18°46 | 25° 3 | 18°26 | 9°35 | 19°16 | 11°12 | 13°23 | 15°13 | 22°37 | 23° 5 | 27°59 | n.a. | W19 |
| T 20 | 20 45 38 | 9°19'59 | 10♒24 | 20°23 | 26° 6 | 19° 9 | 9°40 | 19°23 | 11°14 | 13°24 | 15°15 | 22°36 | 23° 2 | 28° 5 | n.a. | T 20 |
| F 21 | 20 49 35 | 10°19'17 | 25° 7 | 22° 0 | 27° 8 | 19°52 | 9°45 | 19°31 | 11°17 | 13°24 | 15°17 | 22°D35 | 22°58 | 28°12 | n.a. | F 21 |
| S 22 | 20 53 32 | 11°18'38 | 9♓55 | 23°36 | 28°10 | 20°35 | 9°51 | 19°38 | 11°19 | 13°24 | 15°20 | 22°36 | 22°55 | 28°19 | n.a. | S 22 |
| S 23 | 20 57 28 | 12°18'01 | 24°42 | 25°11 | 29°12 | 21°18 | 9°56 | 19°45 | 11°21 | 13°25 | 15°22 | 22°37 | 22°52 | 28°25 | n.a. | S 23 |
| M24 | 21 1 25 | 13°17'26 | 9♈21 | 26°45 | 0♎13 | 22° 1 | 10° 2 | 19°52 | 11°24 | 13°25 | 15°24 | 22°37 | 22°49 | 28°32 | n.a. | M24 |
| T 25 | 21 5 21 | 14°16'54 | 23°48 | 28°19 | 1°15 | 22°44 | 10° 8 | 19°59 | 11°26 | 13°25 | 15°26 | 22°38 | 22°46 | 28°39 | n.a. | T 25 |
| W26 | 21 9 18 | 15°16'25 | 7♉58 | 29°51 | 2°15 | 23°27 | 10°14 | 20° 6 | 11°28 | 13°26 | 15°28 | 22°38 | 22°42 | 28°45 | n.a. | W26 |
| T 27 | 21 13 14 | 16°15'58 | 21°50 | 1♍23 | 3°16 | 24°10 | 10°20 | 20°13 | 11°31 | 13°26 | 15°30 | 22°R38 | 22°39 | 28°52 | n.a. | T 27 |
| F 28 | 21 17 11 | 17°15'34 | 5♊24 | 2°55 | 4°16 | 24°54 | 10°26 | 20°21 | 11°33 | 13°27 | 15°33 | 22°38 | 22°36 | 28°59 | n.a. | F 28 |
| S 29 | 21 21 7 | 18°15'12 | 18°40 | 4°25 | 5°16 | 25°37 | 10°33 | 20°28 | 11°36 | 13°27 | 15°35 | 22°38 | 22°33 | 29° 5 | n.a. | S 29 |
| S 30 | 21 25 4 | 19°14'53 | 1♋41 | 5°55 | 6°15 | 26°21 | 10°40 | 20°35 | 11°38 | 13°28 | 15°37 | 22°37 | 22°30 | 29°12 | n.a. | S 30 |
| M31 | 21 29 0 | 20♌14'36 | 14♋26 | 7♍24 | 7♎14 | 27♍ 4 | 10♏47 | 20♌42 | 11♎41 | 13♏28 | 15♍39 | 22♌37 | 22♌27 | 29♍19 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n18 | 17n12 | 5s 1 | 24n37 | 1n49 | 9n10 | 0s31 | 9n53 | 0n21 | 14s20 | 0n20 | 17n59 | 2n 6 | 3s50 | 0n31 | 14s46 | 1n29 | 20n53 | 16n 6 | 14n 7 | 13n47 | 4n 7 | | n.a. |
| S 2 | 22 8 | 19 7 | 4 34 | 24 22 | 1 49 | 8 41 | 0 36 | 9 36 | 0 20 | 14 21 | 0 19 | 17 57 | 2 6 | 3 51 | 0 31 | 14 46 | 1 29 | 20 52 | 16 5 | 14 9 | 13 48 | 4 5 | | n.a. |
| M 3 | 21 59 | 19 57 | 3 52 | 24 4 | 1 48 | 8 11 | 0 40 | 9 20 | 0 19 | 14 22 | 0 19 | 17 55 | 2 6 | 3 51 | 0 31 | 14 46 | 1 29 | 20 51 | 16 5 | 14 11 | 13 49 | 4 3 | | n.a. |
| T 4 | 21 49 | 19 44 | 3 0 | 23 45 | 1 47 | 7 42 | 0 45 | 9 3 | 0 18 | 14 22 | 0 19 | 17 53 | 2 6 | 3 52 | 0 31 | 14 46 | 1 29 | 20 50 | 16 4 | 14 12 | 13 50 | 4 1 | | n.a. |
| W 5 | 21 38 | 18 31 | 1 59 | 23 23 | 1 45 | 7 12 | 0 50 | 8 47 | 0 17 | 14 23 | 0 19 | 17 50 | 2 6 | 3 53 | 0 31 | 14 46 | 1 29 | 20 49 | 16 4 | 14 13 | 13 51 | 3 59 | | n.a. |
| T 6 | 21 27 | 16 26 | 0 54 | 23 0 | 1 43 | 6 42 | 0 55 | 8 30 | 0 17 | 14 24 | 0 19 | 17 48 | 2 6 | 3 53 | 0 31 | 14 46 | 1 29 | 20 47 | 16 3 | 14 14 | 13 52 | 3 57 | | n.a. |
| F 7 | 21 16 | 13 38 | 0n13 | 22 36 | 1 40 | 6 12 | 1 0 | 8 13 | 0 16 | 14 26 | 0 18 | 17 46 | 2 6 | 3 54 | 0 31 | 14 46 | 1 28 | 20 46 | 16 3 | 14 14 | 13 53 | 3 55 | | n.a. |
| S 8 | 21 4 | 10 18 | 1 18 | 22 10 | 1 37 | 5 42 | 1 5 | 7 56 | 0 15 | 14 27 | 0 18 | 17 44 | 2 6 | 3 55 | 0 31 | 14 46 | 1 28 | 20 45 | 16 3 | 14 14 | 13 54 | 3 53 | | n.a. |
| S 9 | 20 52 | 6 36 | 2 20 | 21 42 | 1 34 | 5 11 | 1 11 | 7 39 | 0 14 | 14 28 | 0 18 | 17 42 | 2 6 | 3 55 | 0 31 | 14 46 | 1 28 | 20 44 | 16 2 | 14 13 | 13 55 | 3 51 | | n.a. |
| M10 | 20 40 | 2 39 | 3 15 | 21 14 | 1 30 | 4 41 | 1 16 | 7 22 | 0 13 | 14 29 | 0 18 | 17 39 | 2 6 | 3 56 | 0 31 | 14 46 | 1 28 | 20 43 | 16 2 | 14 12 | 13 56 | 3 49 | | n.a. |
| T 11 | 20 27 | 1s22 | 4 2 | 20 44 | 1 26 | 4 11 | 1 21 | 7 5 | 0 12 | 14 31 | 0 18 | 17 37 | 2 5 | 3 57 | 0 31 | 14 46 | 1 28 | 20 42 | 16 1 | 14 12 | 13 57 | 3 47 | | n.a. |
| W12 | 20 14 | 5 22 | 4 38 | 20 13 | 1 22 | 3 40 | 1 26 | 6 48 | 0 12 | 14 32 | 0 17 | 17 35 | 2 5 | 3 57 | 0 31 | 14 46 | 1 28 | 20 41 | 16 1 | 14 12 | 13 58 | 3 45 | | n.a. |
| T 13 | 20 1 | 9 12 | 5 4 | 19 41 | 1 17 | 3 10 | 1 32 | 6 30 | 0 11 | 14 33 | 0 17 | 17 33 | 2 5 | 3 58 | 0 31 | 14 46 | 1 28 | 20 40 | 16 1 | 14 12 | 13 59 | 3 43 | | n.a. |
| F 14 | 19 47 | 12 44 | 5 15 | 19 8 | 1 12 | 2 39 | 1 37 | 6 13 | 0 10 | 14 35 | 0 17 | 17 31 | 2 5 | 3 59 | 0 31 | 14 46 | 1 28 | 20 38 | 16 0 | 14 12 | 14 0 | 3 41 | | n.a. |
| S 15 | 19 33 | 15 46 | 5 12 | 18 34 | 1 6 | 2 9 | 1 42 | 5 56 | 0 9 | 14 36 | 0 17 | 17 28 | 2 5 | 4 0 | 0 31 | 14 46 | 1 28 | 20 37 | 16 0 | 14 12 | 14 2 | 3 39 | | n.a. |
| S 16 | 19 18 | 18 8 | 4 54 | 17 59 | 1 1 | 1 38 | 1 48 | 5 38 | 0 8 | 14 38 | 0 17 | 17 26 | 2 5 | 4 1 | 0 31 | 14 46 | 1 28 | 20 36 | 15 59 | 14 13 | 14 3 | 3 37 | | n.a. |
| M17 | 19 3 | 19 36 | 4 19 | 17 24 | 0 55 | 1 8 | 1 53 | 5 21 | 0 8 | 14 40 | 0 16 | 17 24 | 2 5 | 4 1 | 0 31 | 14 47 | 1 28 | 20 35 | 15 59 | 14 14 | 14 4 | 3 35 | | n.a. |
| T 18 | 18 48 | 19 57 | 3 28 | 16 48 | 0 49 | 0 37 | 1 59 | 5 3 | 0 7 | 14 41 | 0 16 | 17 21 | 2 5 | 4 2 | 0 31 | 14 47 | 1 28 | 20 34 | 15 59 | 14 15 | 14 5 | 3 33 | | n.a. |
| W19 | 18 32 | 19 3 | 2 23 | 16 11 | 0 43 | 0 7 | 2 4 | 4 45 | 0 6 | 14 43 | 0 16 | 17 19 | 2 5 | 4 3 | 0 31 | 14 47 | 1 28 | 20 33 | 15 58 | 14 15 | 14 6 | 3 31 | | n.a. |
| T 20 | 18 17 | 16 55 | 1 7 | 15 34 | 0 37 | 0s24 | 2 10 | 4 27 | 0 5 | 14 45 | 0 16 | 17 17 | 2 5 | 4 4 | 0 30 | 14 47 | 1 28 | 20 32 | 15 58 | 14 15 | 14 7 | 3 29 | | n.a. |
| F 21 | 18 0 | 13 38 | 0s14 | 14 56 | 0 31 | 0 54 | 2 15 | 4 9 | 0 4 | 14 47 | 0 16 | 17 15 | 2 5 | 4 5 | 0 30 | 14 47 | 1 28 | 20 30 | 15 58 | 14 16 | 14 8 | 3 27 | | n.a. |
| S 22 | 17 44 | 9 28 | 1 35 | 14 18 | 0 24 | 1 24 | 2 21 | 3 52 | 0 4 | 14 49 | 0 15 | 17 12 | 2 5 | 4 6 | 0 30 | 14 47 | 1 28 | 20 29 | 15 57 | 14 15 | 14 9 | 3 25 | | n.a. |
| S 23 | 17 27 | 4 43 | 2 49 | 13 40 | 0 18 | 1 54 | 2 26 | 3 34 | 0 3 | 14 51 | 0 15 | 17 10 | 2 5 | 4 7 | 0 30 | 14 47 | 1 27 | 20 28 | 15 57 | 14 15 | 14 10 | 3 23 | | n.a. |
| M24 | 17 10 | 0n15 | 3 52 | 13 1 | 0 11 | 2 24 | 2 32 | 3 16 | 0 2 | 14 53 | 0 15 | 17 8 | 2 5 | 4 8 | 0 30 | 14 48 | 1 27 | 20 27 | 15 57 | 14 15 | 14 11 | 3 21 | | n.a. |
| T 25 | 16 52 | 5 7 | 4 38 | 12 22 | 0 4 | 2 54 | 2 37 | 2 58 | 0 1 | 14 55 | 0 15 | 17 5 | 2 6 | 4 9 | 0 30 | 14 48 | 1 27 | 20 26 | 15 56 | 14 15 | 14 12 | 3 19 | | n.a. |
| W26 | 16 35 | 9 36 | 5 7 | 11 42 | 0s 3 | 3 24 | 2 43 | 2 39 | 0 0 | 14 57 | 0 15 | 17 3 | 2 6 | 4 10 | 0 30 | 14 48 | 1 27 | 20 25 | 15 56 | 14 15 | 14 13 | 3 17 | | n.a. |
| T 27 | 16 17 | 13 29 | 5 18 | 11 3 | 0 10 | 3 53 | 2 48 | 2 21 | 0s 0 | 14 59 | 0 15 | 17 1 | 2 6 | 4 11 | 0 30 | 14 48 | 1 27 | 20 24 | 15 56 | 14 15 | 14 14 | 3 15 | | n.a. |
| F 28 | 15 58 | 16 33 | 5 10 | 10 23 | 0 17 | 4 23 | 2 54 | 2 3 | 0 1 | 15 1 | 0 14 | 16 59 | 2 6 | 4 12 | 0 30 | 14 48 | 1 27 | 20 22 | 15 55 | 14 15 | 14 15 | 3 13 | | n.a. |
| S 29 | 15 40 | 18 41 | 4 46 | 9 43 | 0 24 | 4 52 | 2 59 | 1 45 | 0 2 | 15 3 | 0 14 | 16 56 | 2 6 | 4 13 | 0 30 | 14 49 | 1 27 | 20 21 | 15 55 | 14 15 | 14 16 | 3 10 | | n.a. |
| S 30 | 15 21 | 19 48 | 4 7 | 9 3 | 0 31 | 5 21 | 3 5 | 1 26 | 0 3 | 15 6 | 0 14 | 16 54 | 2 6 | 4 14 | 0 30 | 14 49 | 1 27 | 20 20 | 15 55 | 14 15 | 14 17 | 3 8 | | n.a. |
| M31 | 15n 2 | 19n52 | 3s17 | 8n23 | 0s38 | 5s50 | 3s10 | 1n 8 | 0s 3 | 15s 8 | 0n14 | 16n52 | 2n 6 | 4s15 | 0n30 | 14s49 | 1n27 | 20n19 | 15n55 | 14n15 | 14n18 | 3n 6 | | n.a. |

Julian Day Number = 1003188.5, Delta T = 12h48m45s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'07, Lahiri = -31°04'06 Julian Calendar 1 Aug. 1967 BCE == Greg. Calendar 15 July 1967 BCE

The year -1966 astronomical counting style corresponds to year 1967 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## SEPTEMBER 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 32 57 | 21♌14'21 | 26♋58 | 8♍52 | 8♎13 | 27♍48 | 10♏54 | 20♌49 | 11♎44 | 13♏29 | 15♍42 | 22°R37 | 22♌23 | 29♍25 | n.a. | T 1 |
| W 2 | 21 36 54 | 22°14'08 | 9♌19 | 10°20 | 9°11 | 28°31 | 11° 1 | 20°57 | 11°46 | 13°30 | 15°44 | 22°D37 | 22°20 | 29°32 | n.a. | W 2 |
| T 3 | 21 40 50 | 23°13'58 | 21°29 | 11°47 | 10° 9 | 29°15 | 11° 8 | 21° 4 | 11°49 | 13°30 | 15°46 | 22°R37 | 22°17 | 29°39 | n.a. | T 3 |
| F 4 | 21 44 47 | 24°13'50 | 3♍31 | 13°13 | 11° 7 | 29°59 | 11°15 | 21°11 | 11°52 | 13°31 | 15°48 | 22♌37 | 22°14 | 29°45 | n.a. | F 4 |
| S 5 | 21 48 43 | 25°13'44 | 15°26 | 14°38 | 12° 3 | 0♎43 | 11°23 | 21°18 | 11°55 | 13°32 | 15°51 | 22°37 | 22°11 | 29°52 | n.a. | S 5 |
| S 6 | 21 52 40 | 26°13'40 | 27°16 | 16° 2 | 13° 0 | 1°27 | 11°31 | 21°25 | 11°57 | 13°33 | 15°53 | 22°36 | 22° 7 | 29°59 | n.a. | S 6 |
| M 7 | 21 56 36 | 27°13'38 | 9♎ 5 | 17°26 | 13°56 | 2°11 | 11°39 | 21°32 | 12° 0 | 13°34 | 15°55 | 22°36 | 22° 4 | 0♎ 5 | n.a. | M 7 |
| T 8 | 22 0 33 | 28°13'38 | 20°54 | 18°48 | 14°51 | 2°55 | 11°47 | 21°40 | 12° 3 | 13°34 | 15°58 | 22°35 | 22° 1 | 0°12 | n.a. | T 8 |
| W 9 | 22 4 29 | 29°13'40 | 2♏48 | 20°10 | 15°46 | 3°39 | 11°55 | 21°47 | 12° 6 | 13°35 | 16° 0 | 22°34 | 21°58 | 0°19 | n.a. | W 9 |
| T 10 | 22 8 26 | 0♍13'43 | 14°50 | 21°30 | 16°40 | 4°23 | 12° 3 | 21°54 | 12° 9 | 13°36 | 16° 2 | 22°33 | 21°55 | 0°25 | n.a. | T 10 |
| F 11 | 22 12 22 | 1°13'49 | 27° 5 | 22°50 | 17°34 | 5° 8 | 12°12 | 22° 1 | 12°12 | 13°37 | 16° 5 | 22°D33 | 21°52 | 0°32 | n.a. | F 11 |
| S 12 | 22 16 19 | 2°13'56 | 9♐38 | 24° 8 | 18°27 | 5°52 | 12°20 | 22° 8 | 12°15 | 13°38 | 16° 7 | 22°33 | 21°48 | 0°39 | n.a. | S 12 |
| S 13 | 22 20 16 | 3°14'05 | 22°31 | 25°25 | 19°20 | 6°36 | 12°29 | 22°15 | 12°18 | 13°39 | 16°10 | 22°34 | 21°45 | 0°45 | n.a. | S 13 |
| M14 | 22 24 12 | 4°14'16 | 5♑49 | 26°40 | 20°11 | 7°21 | 12°38 | 22°22 | 12°21 | 13°40 | 16°12 | 22°35 | 21°42 | 0°52 | n.a. | M14 |
| T 15 | 22 28 9 | 5°14'29 | 19°35 | 27°54 | 21° 3 | 8° 5 | 12°47 | 22°29 | 12°24 | 13°41 | 16°14 | 22°36 | 21°39 | 0°59 | n.a. | T 15 |
| W16 | 22 32 5 | 6°14'43 | 3♒47 | 29° 7 | 21°53 | 8°50 | 12°56 | 22°37 | 12°27 | 13°42 | 16°17 | 22°37 | 21°36 | 1° 5 | n.a. | W16 |
| T 17 | 22 36 2 | 7°14'59 | 18°24 | 0♎17 | 22°42 | 9°35 | 13° 5 | 22°44 | 12°31 | 13°44 | 16°19 | 22°R37 | 21°33 | 1°12 | n.a. | T 17 |
| F 18 | 22 39 58 | 8°15'17 | 3♓20 | 1°25 | 23°31 | 10°19 | 13°14 | 22°51 | 12°34 | 13°45 | 16°22 | 22°37 | 21°29 | 1°19 | n.a. | F 18 |
| S 19 | 22 43 55 | 9°15'36 | 18°28 | 2°32 | 24°19 | 11° 4 | 13°24 | 22°58 | 12°37 | 13°46 | 16°24 | 22°36 | 21°26 | 1°25 | n.a. | S 19 |
| S 20 | 22 47 51 | 10°15'58 | 3♈38 | 3°35 | 25° 6 | 11°49 | 13°33 | 23° 5 | 12°40 | 13°47 | 16°27 | 22°34 | 21°23 | 1°32 | n.a. | S 20 |
| M21 | 22 51 48 | 11°16'22 | 18°41 | 4°36 | 25°53 | 12°34 | 13°43 | 23°12 | 12°43 | 13°48 | 16°29 | 22°32 | 21°20 | 1°39 | n.a. | M21 |
| T 22 | 22 55 44 | 12°16'47 | 3♉29 | 5°34 | 26°38 | 13°19 | 13°53 | 23°18 | 12°47 | 13°50 | 16°31 | 22°29 | 21°17 | 1°46 | n.a. | T 22 |
| W23 | 22 59 41 | 13°17'15 | 17°54 | 6°28 | 27°23 | 14° 4 | 14° 3 | 23°25 | 12°50 | 13°51 | 16°34 | 22°27 | 21°13 | 1°52 | n.a. | W23 |
| T 24 | 23 3 38 | 14°17'45 | 1♊55 | 7°18 | 28° 6 | 14°49 | 14°13 | 23°32 | 12°53 | 13°52 | 16°36 | 22°25 | 21°10 | 1°59 | n.a. | T 24 |
| F 25 | 23 7 34 | 15°18'17 | 15°30 | 8° 4 | 28°48 | 15°34 | 14°23 | 23°39 | 12°57 | 13°54 | 16°39 | 22°D25 | 21° 7 | 2° 6 | n.a. | F 25 |
| S 26 | 23 11 31 | 16°18'51 | 28°41 | 8°45 | 29°30 | 16°19 | 14°33 | 23°46 | 13° 0 | 13°55 | 16°41 | 22°25 | 21° 4 | 2°12 | n.a. | S 26 |
| S 27 | 23 15 27 | 17°19'28 | 11♋30 | 9°21 | 0♏10 | 17° 4 | 14°44 | 23°53 | 13° 4 | 13°57 | 16°44 | 22°27 | 21° 1 | 2°19 | n.a. | S 27 |
| M28 | 23 19 24 | 18°20'06 | 24° 2 | 9°50 | 0°49 | 17°49 | 14°54 | 24° 0 | 13° 7 | 13°58 | 16°46 | 22°29 | 20°58 | 2°26 | n.a. | M28 |
| T 29 | 23 23 20 | 19°20'46 | 6♌19 | 10°13 | 1°27 | 18°35 | 15° 5 | 24° 6 | 13°10 | 13°59 | 16°49 | 22°30 | 20°54 | 2°32 | n.a. | T 29 |
| W30 | 23 27 17 | 20♍21'28 | 18♌25 | 10♎28 | 2♏ 4 | 19♎20 | 15♏15 | 24♌13 | 13♎14 | 14♏ 1 | 16♍51 | 22°R31 | 20♌51 | 2♎39 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n42 | 18n56 | 2s18 | 7n43 | 0s45 | 6s19 | 3s16 | 0n50 | 0s 4 | 15s11 | 0n14 | 16n49 | 2n 6 | 4s16 | 0n30 | 14s49 | 1n27 | 20n18 | 15n54 | 14n15 | 14n20 | 3n 4 | | n.a. |
| W 2 | 14 23 | 17 6 | 1 13 | 7 2 | 0 52 | 6 47 | 3 21 | 0 31 | 0 5 | 15 13 | 0 14 | 16 47 | 2 6 | 4 17 | 0 30 | 14 49 | 1 27 | 20 17 | 15 54 | 14 15 | 14 21 | 3 2 | | n.a. |
| T 3 | 14 3 | 14 31 | 0 6 | 6 22 | 0 59 | 7 15 | 3 27 | 0 13 | 0 6 | 15 15 | 0 13 | 16 45 | 2 6 | 4 18 | 0 30 | 14 50 | 1 27 | 20 16 | 15 54 | 14 15 | 14 22 | 3 0 | | n.a. |
| F 4 | 13 43 | 11 21 | 1n 0 | 5 43 | 1 6 | 7 43 | 3 32 | 0s 6 | 0 7 | 15 18 | 0 13 | 16 42 | 2 6 | 4 19 | 0 30 | 14 50 | 1 27 | 20 14 | 15 54 | 14 15 | 14 23 | 2 58 | | n.a. |
| S 5 | 13 22 | 7 45 | 2 4 | 5 3 | 1 13 | 8 11 | 3 38 | 0 24 | 0 7 | 15 20 | 0 13 | 16 40 | 2 6 | 4 20 | 0 30 | 14 50 | 1 27 | 20 13 | 15 53 | 14 15 | 14 24 | 2 56 | | n.a. |
| S 6 | 13 2 | 3 52 | 3 1 | 4 23 | 1 20 | 8 38 | 3 43 | 0 43 | 0 8 | 15 23 | 0 13 | 16 38 | 2 6 | 4 22 | 0 30 | 14 51 | 1 27 | 20 12 | 15 53 | 14 15 | 14 25 | 2 54 | | n.a. |
| M 7 | 12 41 | 0s 9 | 3 51 | 3 44 | 1 27 | 9 5 | 3 48 | 1 1 | 0 9 | 15 26 | 0 13 | 16 35 | 2 6 | 4 23 | 0 30 | 14 51 | 1 27 | 20 11 | 15 53 | 14 16 | 14 26 | 2 52 | | n.a. |
| T 8 | 12 20 | 4 9 | 4 30 | 3 5 | 1 34 | 9 32 | 3 53 | 1 20 | 0 10 | 15 28 | 0 13 | 16 33 | 2 6 | 4 24 | 0 30 | 14 51 | 1 27 | 20 10 | 15 53 | 14 16 | 14 27 | 2 50 | | n.a. |
| W 9 | 11 58 | 8 1 | 4 59 | 2 26 | 1 40 | 9 59 | 3 58 | 1 38 | 0 10 | 15 31 | 0 12 | 16 31 | 2 6 | 4 25 | 0 30 | 14 52 | 1 27 | 20 9 | 15 53 | 14 16 | 14 28 | 2 48 | | n.a. |
| T 10 | 11 37 | 11 36 | 5 15 | 1 48 | 1 47 | 10 25 | 4 4 | 1 57 | 0 11 | 15 34 | 0 12 | 16 28 | 2 6 | 4 26 | 0 30 | 14 52 | 1 26 | 20 8 | 15 52 | 14 16 | 14 29 | 2 46 | | n.a. |
| F 11 | 11 15 | 14 46 | 5 16 | 1 10 | 1 53 | 10 51 | 4 9 | 2 15 | 0 12 | 15 37 | 0 12 | 16 26 | 2 6 | 4 27 | 0 30 | 14 52 | 1 26 | 20 7 | 15 52 | 14 16 | 14 30 | 2 44 | | n.a. |
| S 12 | 10 53 | 17 20 | 5 4 | 0 33 | 1 59 | 11 16 | 4 14 | 2 34 | 0 13 | 15 39 | 0 12 | 16 24 | 2 6 | 4 29 | 0 30 | 14 53 | 1 26 | 20 5 | 15 52 | 14 16 | 14 31 | 2 42 | | n.a. |
| S 13 | 10 31 | 19 7 | 4 35 | 0s 3 | 2 5 | 11 41 | 4 19 | 2 53 | 0 13 | 15 42 | 0 12 | 16 21 | 2 6 | 4 30 | 0 30 | 14 53 | 1 26 | 20 4 | 15 52 | 14 16 | 14 32 | 2 39 | | n.a. |
| M14 | 10 9 | 19 56 | 3 51 | 0 39 | 2 11 | 12 6 | 4 23 | 3 11 | 0 14 | 15 45 | 0 12 | 16 19 | 2 7 | 4 31 | 0 30 | 14 53 | 1 26 | 20 3 | 15 52 | 14 16 | 14 33 | 2 37 | | n.a. |
| T 15 | 9 47 | 19 36 | 2 53 | 1 14 | 2 17 | 12 30 | 4 28 | 3 30 | 0 15 | 15 48 | 0 11 | 16 17 | 2 7 | 4 32 | 0 30 | 14 54 | 1 26 | 20 2 | 15 52 | 14 15 | 14 34 | 2 35 | | n.a. |
| W16 | 9 24 | 18 2 | 1 43 | 1 48 | 2 22 | 12 53 | 4 33 | 3 48 | 0 15 | 15 51 | 0 11 | 16 15 | 2 7 | 4 34 | 0 30 | 14 54 | 1 26 | 20 1 | 15 52 | 14 15 | 14 35 | 2 33 | | n.a. |
| T 17 | 9 1 | 15 15 | 0 23 | 2 21 | 2 27 | 13 17 | 4 37 | 4 7 | 0 16 | 15 54 | 0 11 | 16 12 | 2 7 | 4 35 | 0 30 | 14 55 | 1 26 | 20 0 | 15 51 | 14 15 | 14 36 | 2 31 | | n.a. |
| F 18 | 8 38 | 11 24 | 0s59 | 2 53 | 2 32 | 13 39 | 4 42 | 4 25 | 0 17 | 15 57 | 0 11 | 16 10 | 2 7 | 4 36 | 0 30 | 14 55 | 1 26 | 19 59 | 15 51 | 14 15 | 14 37 | 2 29 | | n.a. |
| S 19 | 8 15 | 6 46 | 2 18 | 3 24 | 2 36 | 14 2 | 4 46 | 4 44 | 0 18 | 16 0 | 0 11 | 16 8 | 2 7 | 4 38 | 0 30 | 14 55 | 1 26 | 19 58 | 15 51 | 14 15 | 14 38 | 2 27 | | n.a. |
| S 20 | 7 52 | 1 42 | 3 28 | 3 53 | 2 40 | 14 24 | 4 50 | 5 3 | 0 18 | 16 3 | 0 11 | 16 6 | 2 7 | 4 39 | 0 30 | 14 56 | 1 26 | 19 57 | 15 51 | 14 16 | 14 39 | 2 25 | | n.a. |
| M21 | 7 29 | 3n26 | 4 23 | 4 21 | 2 43 | 14 45 | 4 55 | 5 21 | 0 19 | 16 6 | 0 10 | 16 3 | 2 7 | 4 40 | 0 30 | 14 56 | 1 26 | 19 56 | 15 51 | 14 17 | 14 40 | 2 23 | | n.a. |
| T 22 | 7 5 | 8 15 | 4 59 | 4 47 | 2 46 | 15 6 | 4 59 | 5 40 | 0 20 | 16 9 | 0 10 | 16 1 | 2 7 | 4 42 | 0 30 | 14 57 | 1 26 | 19 55 | 15 51 | 14 18 | 14 42 | 2 21 | | n.a. |
| W23 | 6 42 | 12 29 | 5 15 | 5 11 | 2 48 | 15 26 | 5 2 | 5 58 | 0 20 | 16 13 | 0 10 | 15 59 | 2 7 | 4 43 | 0 30 | 14 57 | 1 26 | 19 54 | 15 51 | 14 18 | 14 43 | 2 19 | | n.a. |
| T 24 | 6 18 | 15 53 | 5 11 | 5 33 | 2 50 | 15 45 | 5 6 | 6 16 | 0 21 | 16 16 | 0 10 | 15 57 | 2 7 | 4 44 | 0 30 | 14 58 | 1 26 | 19 53 | 15 51 | 14 19 | 14 44 | 2 17 | | n.a. |
| F 25 | 5 54 | 18 18 | 4 50 | 5 52 | 2 51 | 16 4 | 5 10 | 6 35 | 0 22 | 16 19 | 0 10 | 15 54 | 2 8 | 4 46 | 0 30 | 14 58 | 1 26 | 19 51 | 15 51 | 14 19 | 14 45 | 2 14 | | n.a. |
| S 26 | 5 30 | 19 40 | 4 15 | 6 9 | 2 51 | 16 22 | 5 13 | 6 53 | 0 23 | 16 22 | 0 10 | 15 52 | 2 8 | 4 47 | 0 30 | 14 58 | 1 26 | 19 50 | 15 51 | 14 19 | 14 46 | 2 12 | | n.a. |
| S 27 | 5 6 | 19 58 | 3 27 | 6 22 | 2 50 | 16 40 | 5 16 | 7 12 | 0 23 | 16 26 | 0 10 | 15 50 | 2 8 | 4 48 | 0 30 | 14 59 | 1 26 | 19 49 | 15 51 | 14 18 | 14 47 | 2 10 | | n.a. |
| M28 | 4 42 | 19 16 | 2 30 | 6 32 | 2 48 | 16 57 | 5 19 | 7 30 | 0 24 | 16 29 | 0 9 | 15 48 | 2 8 | 4 50 | 0 30 | 14 59 | 1 25 | 19 48 | 15 51 | 14 18 | 14 48 | 2 8 | | n.a. |
| T 29 | 4 18 | 17 39 | 1 28 | 6 39 | 2 45 | 17 14 | 5 22 | 7 48 | 0 25 | 16 32 | 0 9 | 15 46 | 2 8 | 4 51 | 0 30 | 15 0 | 1 25 | 19 47 | 15 51 | 14 17 | 14 49 | 2 6 | | n.a. |
| W30 | 3n54 | 15n15 | 0s23 | 6s41 | 2s41 | 17s29 | 5s25 | 8s 6 | 0s25 | 16s35 | 0n 9 | 15n43 | 2n 8 | 4s52 | 0n29 | 15s 0 | 1n25 | 19n46 | 15n51 | 14n17 | 14n50 | 2n 4 | | n.a. |

Julian Day Number = 1003219.5, Delta T = 12h48m43s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°11'02, Lahiri = -31°04'02 Julian Calendar 1 Sept. 1967 BCE == Greg. Calendar 15 Aug. 1967 BCE


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## OCTOBER 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 31 13 | 21♍22'11 | 0♍24 | 10°R34 | 2♏39 | 20♎ 6 | 15♏26 | 24♌20 | 13♎17 | 14♏ 3 | 16♍53 | 22°R31 | 20♌48 | 2♎46 | n.a. | T 1 |
| F 2 | 23 35 10 | 22°22'56 | 12°17 | 10♎32 | 3°13 | 20°51 | 15°37 | 24°26 | 13°21 | 14° 4 | 16°56 | 22♌29 | 20°45 | 2°52 | n.a. | F 2 |
| S 3 | 23 39 7 | 23°23'43 | 24° 8 | 10°21 | 3°45 | 21°37 | 15°48 | 24°33 | 13°24 | 14° 6 | 16°58 | 22°26 | 20°42 | 2°59 | n.a. | S 3 |
| S 4 | 23 43 3 | 24°24'32 | 5♎57 | 9°59 | 4°17 | 22°22 | 15°59 | 24°40 | 13°28 | 14° 7 | 17° 1 | 22°21 | 20°38 | 3° 6 | n.a. | S 4 |
| M 5 | 23 47 0 | 25°25'22 | 17°47 | 9°26 | 4°46 | 23° 8 | 16°10 | 24°46 | 13°31 | 14° 9 | 17° 3 | 22°15 | 20°35 | 3°12 | n.a. | M 5 |
| T 6 | 23 50 56 | 26°26'13 | 29°39 | 8°44 | 5°14 | 23°54 | 16°22 | 24°53 | 13°35 | 14°11 | 17° 6 | 22° 8 | 20°32 | 3°19 | n.a. | T 6 |
| W 7 | 23 54 53 | 27°27'06 | 11♏37 | 7°51 | 5°40 | 24°39 | 16°33 | 24°59 | 13°39 | 14°12 | 17° 8 | 22° 2 | 20°29 | 3°26 | n.a. | W 7 |
| T 8 | 23 58 49 | 28°28'00 | 23°41 | 6°49 | 6° 5 | 25°25 | 16°44 | 25° 5 | 13°42 | 14°14 | 17°10 | 21°56 | 20°26 | 3°32 | n.a. | T 8 |
| F 9 | 0 2 46 | 29°28'55 | 5♐56 | 5°38 | 6°28 | 26°11 | 16°56 | 25°12 | 13°46 | 14°16 | 17°13 | 21°52 | 20°23 | 3°39 | n.a. | F 9 |
| S 10 | 0 6 42 | 0♎29'51 | 18°25 | 4°22 | 6°49 | 26°57 | 17° 8 | 25°18 | 13°49 | 14°17 | 17°15 | 21°49 | 20°19 | 3°46 | n.a. | S 10 |
| S 11 | 0 10 39 | 1°30'48 | 1♑12 | 3° 1 | 7° 8 | 27°43 | 17°19 | 25°24 | 13°53 | 14°19 | 17°18 | 21°D48 | 20°16 | 3°52 | n.a. | S 11 |
| M12 | 0 14 36 | 2°31'47 | 14°20 | 1°39 | 7°25 | 28°29 | 17°31 | 25°31 | 13°57 | 14°21 | 17°20 | 21°49 | 20°13 | 3°59 | n.a. | M12 |
| T 13 | 0 18 32 | 3°32'46 | 27°53 | 0°18 | 7°40 | 29°15 | 17°43 | 25°37 | 14° 0 | 14°23 | 17°22 | 21°50 | 20°10 | 4° 6 | n.a. | T 13 |
| W14 | 0 22 29 | 4°33'46 | 11♒53 | 29♍ 1 | 7°52 | 0♏ 1 | 17°55 | 25°43 | 14° 4 | 14°25 | 17°25 | 21°51 | 20° 7 | 4°12 | n.a. | W14 |
| T 15 | 0 26 25 | 5°34'47 | 26°21 | 27°51 | 8° 3 | 0°47 | 18° 7 | 25°49 | 14° 8 | 14°26 | 17°27 | 21°R52 | 20° 4 | 4°19 | n.a. | T 15 |
| F 16 | 0 30 22 | 6°35'49 | 11♓12 | 26°49 | 8°11 | 1°33 | 18°19 | 25°55 | 14°11 | 14°28 | 17°29 | 21°50 | 20° 0 | 4°26 | n.a. | F 16 |
| S 17 | 0 34 18 | 7°36'52 | 26°22 | 25°58 | 8°17 | 2°20 | 18°31 | 26° 1 | 14°15 | 14°30 | 17°32 | 21°46 | 19°57 | 4°33 | n.a. | S 17 |
| S 18 | 0 38 15 | 8°37'56 | 11♈41 | 25°17 | 8°21 | 3° 6 | 18°44 | 26° 7 | 14°19 | 14°32 | 17°34 | 21°41 | 19°54 | 4°39 | n.a. | S 18 |
| M19 | 0 42 11 | 9°39'01 | 26°58 | 24°48 | 8°R22 | 3°52 | 18°56 | 26°13 | 14°22 | 14°34 | 17°36 | 21°33 | 19°51 | 4°46 | n.a. | M19 |
| T 20 | 0 46 8 | 10°40'08 | 12♉ 3 | 24°30 | 8°21 | 4°38 | 19° 8 | 26°19 | 14°26 | 14°36 | 17°39 | 21°25 | 19°48 | 4°53 | n.a. | T 20 |
| W21 | 0 50 4 | 11°41'15 | 26°45 | 24°D24 | 8°17 | 5°25 | 19°21 | 26°24 | 14°30 | 14°38 | 17°41 | 21°18 | 19°44 | 4°59 | n.a. | W21 |
| T 22 | 0 54 1 | 12°42'24 | 11♊ 0 | 24°28 | 8°11 | 6°11 | 19°33 | 26°30 | 14°33 | 14°40 | 17°43 | 21°12 | 19°41 | 5° 6 | n.a. | T 22 |
| F 23 | 0 57 58 | 13°43'33 | 24°44 | 24°42 | 8° 3 | 6°58 | 19°46 | 26°36 | 14°37 | 14°42 | 17°46 | 21° 8 | 19°38 | 5°13 | n.a. | F 23 |
| S 24 | 1 1 54 | 14°44'44 | 8♋ 0 | 25° 5 | 7°52 | 7°44 | 19°59 | 26°41 | 14°41 | 14°44 | 17°48 | 21° 6 | 19°35 | 5°19 | n.a. | S 24 |
| S 25 | 1 5 51 | 15°45'57 | 20°49 | 25°36 | 7°38 | 8°31 | 20°11 | 26°47 | 14°44 | 14°46 | 17°50 | 21°D 6 | 19°32 | 5°26 | n.a. | S 25 |
| M26 | 1 9 47 | 16°47'10 | 3♌17 | 26°15 | 7°22 | 9°17 | 20°24 | 26°52 | 14°48 | 14°48 | 17°52 | 21° 7 | 19°29 | 5°33 | n.a. | M26 |
| T 27 | 1 13 44 | 17°48'24 | 15°28 | 27° 0 | 7° 4 | 10° 4 | 20°37 | 26°58 | 14°52 | 14°50 | 17°54 | 21°R 8 | 19°25 | 5°39 | n.a. | T 27 |
| W28 | 1 17 40 | 18°49'39 | 27°27 | 27°51 | 6°43 | 10°50 | 20°50 | 27° 3 | 14°55 | 14°52 | 17°57 | 21° 8 | 19°22 | 5°46 | n.a. | W28 |
| T 29 | 1 21 37 | 19°50'55 | 9♍19 | 28°47 | 6°20 | 11°37 | 21° 3 | 27° 8 | 14°59 | 14°54 | 17°59 | 21° 6 | 19°19 | 5°53 | n.a. | T 29 |
| F 30 | 1 25 34 | 20°52'11 | 21° 7 | 29°47 | 5°55 | 12°24 | 21°16 | 27°14 | 15° 3 | 14°56 | 18° 1 | 21° 1 | 19°16 | 5°59 | n.a. | F 30 |
| S 31 | 1 29 30 | 21♎53'29 | 2♎56 | 0♎51 | 5♏29 | 13♏11 | 21♏29 | 27♌19 | 15♎ 7 | 14♏59 | 18♍ 3 | 20♌54 | 19♌13 | 6♎ 6 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 3n29 | 12n13 | 0n43 | 6s38 | 2s36 | 17s44 | 5s27 | 8s24 | 0s26 | 16s39 | 0n 9 | 15n41 | 2n 8 | 4s54 | 0n29 | 15s 1 | 1n25 | 19n45 | 15n51 | 14n17 | 14n51 | 2n 2 | | | n.a. |
| F 2 | 3 5 | 8 43 | 1 46 | 6 31 | 2 28 | 17 58 | 5 29 | 8 42 | 0 27 | 16 42 | 0 9 | 15 39 | 2 8 | 4 55 | 0 29 | 15 1 | 1 25 | 19 44 | 15 51 | 14 18 | 14 52 | 2 0 | | | n.a. |
| S 3 | 2 40 | 4 53 | 2 45 | 6 18 | 2 20 | 18 12 | 5 31 | 9 1 | 0 27 | 16 46 | 0 9 | 15 37 | 2 9 | 4 57 | 0 29 | 15 2 | 1 25 | 19 44 | 15 51 | 14 19 | 14 53 | 1 58 | | | n.a. |
| S 4 | 2 16 | 0 53 | 3 35 | 6 0 | 2 9 | 18 24 | 5 33 | 9 19 | 0 28 | 16 49 | 0 9 | 15 35 | 2 9 | 4 58 | 0 29 | 15 2 | 1 25 | 19 43 | 15 51 | 14 20 | 14 54 | 1 56 | | | n.a. |
| M 5 | 1 51 | 3s10 | 4 17 | 5 36 | 1 57 | 18 36 | 5 34 | 9 36 | 0 29 | 16 52 | 0 8 | 15 33 | 2 9 | 4 59 | 0 29 | 15 3 | 1 25 | 19 42 | 15 51 | 14 22 | 14 55 | 1 53 | | | n.a. |
| T 6 | 1 27 | 7 6 | 4 48 | 5 6 | 1 43 | 18 47 | 5 36 | 9 54 | 0 29 | 16 56 | 0 8 | 15 31 | 2 9 | 5 1 | 0 29 | 15 4 | 1 25 | 19 41 | 15 51 | 14 25 | 14 56 | 1 51 | | | n.a. |
| W 7 | 1 2 | 10 46 | 5 6 | 4 30 | 1 27 | 18 57 | 5 36 | 10 12 | 0 30 | 16 59 | 0 8 | 15 28 | 2 9 | 5 2 | 0 29 | 15 4 | 1 25 | 19 40 | 15 51 | 14 27 | 14 57 | 1 49 | | | n.a. |
| T 8 | 0 37 | 14 3 | 5 11 | 3 49 | 1 10 | 19 6 | 5 37 | 10 30 | 0 31 | 17 3 | 0 8 | 15 26 | 2 9 | 5 4 | 0 29 | 15 5 | 1 25 | 19 39 | 15 51 | 14 29 | 14 58 | 1 47 | | | n.a. |
| F 9 | 0 13 | 16 47 | 5 2 | 3 4 | 0 51 | 19 14 | 5 37 | 10 47 | 0 31 | 17 6 | 0 8 | 15 24 | 2 9 | 5 5 | 0 29 | 15 5 | 1 25 | 19 38 | 15 51 | 14 30 | 14 59 | 1 45 | | | n.a. |
| S 10 | 0s12 | 18 47 | 4 38 | 2 15 | 0 31 | 19 21 | 5 37 | 11 5 | 0 32 | 17 10 | 0 8 | 15 22 | 2 10 | 5 7 | 0 29 | 15 6 | 1 25 | 19 37 | 15 51 | 14 31 | 15 0 | 1 43 | | | n.a. |
| S 11 | 0 37 | 19 54 | 4 1 | 1 23 | 0 11 | 19 27 | 5 37 | 11 22 | 0 33 | 17 13 | 0 8 | 15 20 | 2 10 | 5 8 | 0 29 | 15 6 | 1 25 | 19 36 | 15 51 | 14 31 | 15 1 | 1 41 | | | n.a. |
| M12 | 1 2 | 19 59 | 3 10 | 0 31 | 0n10 | 19 32 | 5 36 | 11 40 | 0 33 | 17 17 | 0 7 | 15 18 | 2 10 | 5 9 | 0 29 | 15 7 | 1 25 | 19 35 | 15 51 | 14 31 | 15 2 | 1 39 | | | n.a. |
| T 13 | 1 26 | 18 56 | 2 6 | 0n20 | 0 30 | 19 36 | 5 35 | 11 57 | 0 34 | 17 20 | 0 7 | 15 16 | 2 10 | 5 11 | 0 29 | 15 8 | 1 25 | 19 34 | 15 51 | 14 31 | 15 3 | 1 37 | | | n.a. |
| W14 | 1 51 | 16 42 | 0 54 | 1 9 | 0 50 | 19 38 | 5 33 | 12 14 | 0 34 | 17 24 | 0 7 | 15 14 | 2 10 | 5 12 | 0 29 | 15 8 | 1 25 | 19 34 | 15 51 | 14 30 | 15 4 | 1 34 | | | n.a. |
| T 15 | 2 16 | 13 22 | 0s24 | 1 55 | 1 8 | 19 40 | 5 31 | 12 31 | 0 35 | 17 27 | 0 7 | 15 12 | 2 10 | 5 14 | 0 29 | 15 9 | 1 25 | 19 33 | 15 52 | 14 30 | 15 5 | 1 32 | | | n.a. |
| F 16 | 2 40 | 9 5 | 1 43 | 2 35 | 1 25 | 19 40 | 5 28 | 12 48 | 0 36 | 17 31 | 0 7 | 15 10 | 2 11 | 5 15 | 0 29 | 15 9 | 1 25 | 19 32 | 15 52 | 14 31 | 15 6 | 1 30 | | | n.a. |
| S 17 | 3 5 | 4 9 | 2 56 | 3 10 | 1 40 | 19 40 | 5 25 | 13 5 | 0 36 | 17 34 | 0 7 | 15 9 | 2 11 | 5 17 | 0 29 | 15 10 | 1 25 | 19 31 | 15 52 | 14 32 | 15 7 | 1 28 | | | n.a. |
| S 18 | 3 29 | 1n 6 | 3 56 | 3 38 | 1 53 | 19 38 | 5 22 | 13 22 | 0 37 | 17 38 | 0 7 | 15 7 | 2 11 | 5 18 | 0 29 | 15 11 | 1 25 | 19 30 | 15 52 | 14 34 | 15 8 | 1 26 | | | n.a. |
| M19 | 3 54 | 6 15 | 4 40 | 4 0 | 2 5 | 19 34 | 5 18 | 13 39 | 0 37 | 17 42 | 0 7 | 15 5 | 2 11 | 5 20 | 0 29 | 15 11 | 1 25 | 19 29 | 15 52 | 14 36 | 15 9 | 1 24 | | | n.a. |
| T 20 | 4 18 | 10 57 | 5 3 | 4 16 | 2 14 | 19 29 | 5 13 | 13 55 | 0 38 | 17 45 | 0 6 | 15 3 | 2 11 | 5 21 | 0 29 | 15 12 | 1 25 | 19 29 | 15 52 | 14 39 | 15 10 | 1 22 | | | n.a. |
| W21 | 4 43 | 14 52 | 5 6 | 4 25 | 2 21 | 19 23 | 5 8 | 14 12 | 0 39 | 17 49 | 0 6 | 15 1 | 2 11 | 5 23 | 0 29 | 15 12 | 1 25 | 19 28 | 15 53 | 14 41 | 15 11 | 1 20 | | | n.a. |
| T 22 | 5 7 | 17 46 | 4 49 | 4 29 | 2 27 | 19 16 | 5 2 | 14 28 | 0 39 | 17 52 | 0 6 | 14 59 | 2 12 | 5 24 | 0 29 | 15 13 | 1 24 | 19 27 | 15 53 | 14 43 | 15 12 | 1 17 | | | n.a. |
| F 23 | 5 31 | 19 32 | 4 17 | 4 27 | 2 31 | 19 7 | 4 56 | 14 44 | 0 40 | 17 56 | 0 6 | 14 57 | 2 12 | 5 26 | 0 29 | 15 14 | 1 24 | 19 26 | 15 53 | 14 44 | 15 13 | 1 15 | | | n.a. |
| S 24 | 5 55 | 20 10 | 3 31 | 4 20 | 2 33 | 18 57 | 4 49 | 15 0 | 0 40 | 18 0 | 0 6 | 14 56 | 2 12 | 5 27 | 0 29 | 15 14 | 1 24 | 19 26 | 15 53 | 14 45 | 15 14 | 1 13 | | | n.a. |
| S 25 | 6 19 | 19 43 | 2 36 | 4 8 | 2 35 | 18 45 | 4 41 | 15 16 | 0 41 | 18 3 | 0 6 | 14 54 | 2 12 | 5 28 | 0 29 | 15 15 | 1 24 | 19 25 | 15 53 | 14 45 | 15 15 | 1 11 | | | n.a. |
| M26 | 6 43 | 18 17 | 1 34 | 3 53 | 2 35 | 18 32 | 4 33 | 15 32 | 0 41 | 18 7 | 0 6 | 14 52 | 2 12 | 5 30 | 0 29 | 15 16 | 1 24 | 19 24 | 15 54 | 14 45 | 15 16 | 1 9 | | | n.a. |
| T 27 | 7 7 | 16 2 | 0 30 | 3 33 | 2 34 | 18 17 | 4 24 | 15 47 | 0 42 | 18 10 | 0 6 | 14 50 | 2 13 | 5 31 | 0 29 | 15 16 | 1 24 | 19 24 | 15 54 | 14 44 | 15 17 | 1 7 | | | n.a. |
| W28 | 7 31 | 13 8 | 0n34 | 3 11 | 2 32 | 18 1 | 4 15 | 16 3 | 0 43 | 18 14 | 0 5 | 14 49 | 2 13 | 5 33 | 0 29 | 15 17 | 1 24 | 19 23 | 15 54 | 14 44 | 15 18 | 1 5 | | | n.a. |
| T 29 | 7 55 | 9 43 | 1 36 | 2 46 | 2 29 | 17 44 | 4 4 | 16 18 | 0 43 | 18 18 | 0 5 | 14 47 | 2 13 | 5 34 | 0 29 | 15 17 | 1 24 | 19 22 | 15 54 | 14 45 | 15 20 | 1 3 | | | n.a. |
| F 30 | 8 18 | 5 56 | 2 33 | 2 19 | 2 26 | 17 25 | 3 54 | 16 33 | 0 44 | 18 21 | 0 5 | 14 45 | 2 13 | 5 36 | 0 29 | 15 18 | 1 24 | 19 22 | 15 54 | 14 47 | 15 21 | 1 0 | | | n.a. |
| S 31 | 8s42 | 1n55 | 3n24 | 1n49 | 2n22 | 17s 5 | 3s42 | 16s48 | 0s44 | 18s25 | 0n 5 | 14n44 | 2n13 | 5s37 | 0n29 | 15s19 | 1n24 | 19n21 | 15n55 | 14n49 | 15n22 | 0n58 | | | n.a. |

Julian Day Number = 1003249.5, Delta T = 12h48m41s
Ecliptic obliquity = 23°55'08, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'58, Lahiri = -31°03'58 Julian Calendar 1 Oct. 1967 BCE == Greg. Calendar 14 Sept. 1967 BCE


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## NOVEMBER 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 33 27 | 22♎54'47 | 14♎46 | 1♎58 | 5°R 0 | 13♏57 | 21♏42 | 27♌24 | 15♎10 | 15♏ 1 | 18♍ 5 | 20°R44 | 19♌10 | 6♎13 | n.a. | S 1 |
| M 2 | 1 37 23 | 23°56'05 | 26°40 | 3° 9 | 4♏29 | 14°44 | 21°56 | 27°29 | 15°14 | 15° 3 | 18° 7 | 20♌32 | 19° 6 | 6°20 | n.a. | M 2 |
| T 3 | 1 41 20 | 24°57'24 | 8♏40 | 4°22 | 3°57 | 15°31 | 22° 9 | 27°34 | 15°18 | 15° 5 | 18° 9 | 20°19 | 19° 3 | 6°26 | n.a. | T 3 |
| W 4 | 1 45 16 | 25°58'44 | 20°46 | 5°37 | 3°24 | 16°18 | 22°22 | 27°39 | 15°21 | 15° 7 | 18°11 | 20° 6 | 19° 0 | 6°33 | n.a. | W 4 |
| T 5 | 1 49 13 | 27° 0'04 | 3♐ 0 | 6°54 | 2°49 | 17° 5 | 22°36 | 27°43 | 15°25 | 15° 9 | 18°13 | 19°54 | 18°57 | 6°40 | n.a. | T 5 |
| F 6 | 1 53 9 | 28° 1'24 | 15°22 | 8°13 | 2°14 | 17°52 | 22°49 | 27°48 | 15°28 | 15°12 | 18°15 | 19°44 | 18°54 | 6°46 | n.a. | F 6 |
| S 7 | 1 57 6 | 29° 2'44 | 27°56 | 9°33 | 1°38 | 18°39 | 23° 2 | 27°53 | 15°32 | 15°14 | 18°17 | 19°37 | 18°50 | 6°53 | n.a. | S 7 |
| S 8 | 2 1 3 | 0♏ 4'04 | 10♑43 | 10°55 | 1° 1 | 19°26 | 23°16 | 27°57 | 15°36 | 15°16 | 18°19 | 19°33 | 18°47 | 7° 0 | n.a. | S 8 |
| M 9 | 2 4 59 | 1° 5'24 | 23°47 | 12°18 | 0°25 | 20°13 | 23°30 | 28° 2 | 15°39 | 15°18 | 18°21 | 19°31 | 18°44 | 7° 6 | n.a. | M 9 |
| T 10 | 2 8 56 | 2° 6'44 | 7♒11 | 13°42 | 29♎48 | 21° 0 | 23°43 | 28° 6 | 15°43 | 15°20 | 18°23 | 19°D31 | 18°41 | 7°13 | n.a. | T 10 |
| W11 | 2 12 52 | 3° 8'04 | 20°57 | 15° 7 | 29°12 | 21°47 | 23°57 | 28°10 | 15°46 | 15°23 | 18°25 | 19°R32 | 18°38 | 7°20 | n.a. | W11 |
| T 12 | 2 16 49 | 4° 9'24 | 5♓ 7 | 16°32 | 28°36 | 22°34 | 24°10 | 28°15 | 15°50 | 15°25 | 18°27 | 19°31 | 18°35 | 7°26 | n.a. | T 12 |
| F 13 | 2 20 45 | 5°10'43 | 19°41 | 17°58 | 28° 2 | 23°21 | 24°24 | 28°19 | 15°54 | 15°27 | 18°29 | 19°28 | 18°31 | 7°33 | n.a. | F 13 |
| S 14 | 2 24 42 | 6°12'02 | 4♈34 | 19°25 | 27°28 | 24° 8 | 24°38 | 28°23 | 15°57 | 15°29 | 18°31 | 19°22 | 18°28 | 7°40 | n.a. | S 14 |
| S 15 | 2 28 39 | 7°13'21 | 19°41 | 20°53 | 26°56 | 24°55 | 24°52 | 28°27 | 16° 1 | 15°32 | 18°33 | 19°13 | 18°25 | 7°46 | n.a. | S 15 |
| M16 | 2 32 35 | 8°14'39 | 4♉52 | 22°21 | 26°25 | 25°42 | 25° 5 | 28°31 | 16° 4 | 15°34 | 18°34 | 19° 3 | 18°22 | 7°53 | n.a. | M16 |
| T 17 | 2 36 32 | 9°15'58 | 19°57 | 23°50 | 25°56 | 26°29 | 25°19 | 28°35 | 16° 8 | 15°36 | 18°36 | 18°51 | 18°19 | 8° 0 | n.a. | T 17 |
| W18 | 2 40 28 | 10°17'16 | 4♊44 | 25°19 | 25°29 | 27°16 | 25°33 | 28°38 | 16°11 | 15°38 | 18°38 | 18°39 | 18°15 | 8° 7 | n.a. | W18 |
| T 19 | 2 44 25 | 11°18'35 | 19° 7 | 26°49 | 25° 4 | 28° 4 | 25°47 | 28°42 | 16°14 | 15°41 | 18°40 | 18°29 | 18°12 | 8°13 | n.a. | T 19 |
| F 20 | 2 48 21 | 12°19'53 | 3♋ 1 | 28°19 | 24°42 | 28°51 | 26° 1 | 28°45 | 16°18 | 15°43 | 18°41 | 18°22 | 18° 9 | 8°20 | n.a. | F 20 |
| S 21 | 2 52 18 | 13°21'12 | 16°25 | 29°49 | 24°21 | 29°38 | 26°15 | 28°49 | 16°21 | 15°45 | 18°43 | 18°17 | 18° 6 | 8°27 | n.a. | S 21 |
| S 22 | 2 56 14 | 14°22'30 | 29°20 | 1♏20 | 24° 3 | 0♐25 | 26°29 | 28°52 | 16°25 | 15°48 | 18°44 | 18°15 | 18° 3 | 8°33 | n.a. | S 22 |
| M23 | 3 0 11 | 15°23'49 | 11♌52 | 2°52 | 23°47 | 1°13 | 26°43 | 28°56 | 16°28 | 15°50 | 18°46 | 18°15 | 18° 0 | 8°40 | n.a. | M23 |
| T 24 | 3 4 8 | 16°25'07 | 24° 4 | 4°23 | 23°34 | 2° 0 | 26°57 | 28°59 | 16°31 | 15°52 | 18°48 | 18°15 | 17°56 | 8°47 | n.a. | T 24 |
| W25 | 3 8 4 | 17°26'25 | 6♍ 3 | 5°56 | 23°23 | 2°47 | 27°11 | 29° 2 | 16°35 | 15°54 | 18°49 | 18°14 | 17°53 | 8°53 | n.a. | W25 |
| T 26 | 3 12 1 | 18°27'42 | 17°54 | 7°28 | 23°15 | 3°34 | 27°25 | 29° 5 | 16°38 | 15°57 | 18°51 | 18°11 | 17°50 | 9° 0 | n.a. | T 26 |
| F 27 | 3 15 57 | 19°29'00 | 29°42 | 9° 1 | 23° 9 | 4°22 | 27°39 | 29° 8 | 16°41 | 15°59 | 18°52 | 18° 6 | 17°47 | 9° 7 | n.a. | F 27 |
| S 28 | 3 19 54 | 20°30'17 | 11♎31 | 10°35 | 23° 6 | 5° 9 | 27°53 | 29°11 | 16°44 | 16° 1 | 18°54 | 17°58 | 17°44 | 9°13 | n.a. | S 28 |
| S 29 | 3 23 50 | 21°31'33 | 23°24 | 12° 9 | 23°D 5 | 5°56 | 28° 7 | 29°13 | 16°48 | 16° 3 | 18°55 | 17°47 | 17°41 | 9°20 | n.a. | S 29 |
| M30 | 3 27 47 | 22♏32'49 | 5♏25 | 13♏43 | 23♎ 7 | 6♐44 | 28♏21 | 29♌16 | 16♎51 | 16♏ 6 | 18♍56 | 17♌33 | 17♌37 | 9♎27 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s 5 | 2s10 | 4n 6 | 1n17 | 2n17 | 16s44 | 3s30 | 17s 3 | 0s45 | 18s29 | 0n 5 | 14n42 | 2n14 | 5s39 | 0n29 | 15s19 | 1n24 | 19n20 | 15n55 | 14n52 | 15n23 | 0n56 | | n.a. |
| M 2 | 9 28 | 6 11 | 4 37 | 0 44 | 2 12 | 16 22 | 3 18 | 17 18 | 0 45 | 18 32 | 0 5 | 14 41 | 2 14 | 5 40 | 0 29 | 15 20 | 1 24 | 19 20 | 15 55 | 14 56 | 15 24 | 0 54 | | n.a. |
| T 3 | 9 51 | 10 0 | 4 56 | 0 10 | 2 7 | 15 58 | 3 5 | 17 33 | 0 46 | 18 36 | 0 5 | 14 39 | 2 14 | 5 42 | 0 29 | 15 21 | 1 24 | 19 19 | 15 56 | 15 0 | 15 25 | 0 52 | | n.a. |
| W 4 | 10 14 | 13 27 | 5 2 | 0s26 | 2 1 | 15 34 | 2 51 | 17 47 | 0 46 | 18 39 | 0 5 | 14 38 | 2 14 | 5 43 | 0 29 | 15 21 | 1 24 | 19 19 | 15 56 | 15 5 | 15 26 | 0 50 | | n.a. |
| T 5 | 10 36 | 16 22 | 4 55 | 1 2 | 1 55 | 15 9 | 2 37 | 18 1 | 0 47 | 18 43 | 0 4 | 14 36 | 2 15 | 5 44 | 0 29 | 15 22 | 1 24 | 19 18 | 15 56 | 15 8 | 15 27 | 0 48 | | n.a. |
| F 6 | 10 59 | 18 34 | 4 33 | 1 40 | 1 49 | 14 43 | 2 23 | 18 15 | 0 47 | 18 47 | 0 4 | 14 35 | 2 15 | 5 46 | 0 29 | 15 23 | 1 24 | 19 18 | 15 56 | 15 11 | 15 28 | 0 45 | | n.a. |
| S 7 | 11 21 | 19 56 | 3 58 | 2 18 | 1 42 | 14 16 | 2 8 | 18 29 | 0 48 | 18 50 | 0 4 | 14 33 | 2 15 | 5 47 | 0 29 | 15 23 | 1 24 | 19 17 | 15 57 | 15 14 | 15 29 | 0 43 | | n.a. |
| S 8 | 11 43 | 20 19 | 3 11 | 2 57 | 1 36 | 13 49 | 1 53 | 18 43 | 0 48 | 18 54 | 0 4 | 14 32 | 2 15 | 5 49 | 0 29 | 15 24 | 1 24 | 19 17 | 15 57 | 15 15 | 15 30 | 0 41 | | n.a. |
| M 9 | 12 5 | 19 37 | 2 12 | 3 36 | 1 29 | 13 22 | 1 38 | 18 56 | 0 49 | 18 57 | 0 4 | 14 31 | 2 16 | 5 50 | 0 29 | 15 25 | 1 24 | 19 16 | 15 57 | 15 16 | 15 31 | 0 39 | | n.a. |
| T 10 | 12 27 | 17 48 | 1 5 | 4 15 | 1 22 | 12 54 | 1 22 | 19 9 | 0 49 | 19 1 | 0 4 | 14 29 | 2 16 | 5 51 | 0 29 | 15 26 | 1 24 | 19 16 | 15 58 | 15 16 | 15 32 | 0 37 | | n.a. |
| W11 | 12 48 | 14 55 | 0s 8 | 4 55 | 1 15 | 12 27 | 1 7 | 19 22 | 0 50 | 19 4 | 0 4 | 14 28 | 2 16 | 5 53 | 0 29 | 15 26 | 1 24 | 19 15 | 15 58 | 15 16 | 15 33 | 0 35 | | n.a. |
| T 12 | 13 9 | 11 5 | 1 22 | 5 35 | 1 8 | 11 59 | 0 51 | 19 35 | 0 50 | 19 8 | 0 4 | 14 27 | 2 16 | 5 54 | 0 29 | 15 27 | 1 24 | 19 15 | 15 58 | 15 16 | 15 34 | 0 33 | | n.a. |
| F 13 | 13 30 | 6 30 | 2 32 | 6 15 | 1 1 | 11 32 | 0 35 | 19 48 | 0 51 | 19 12 | 0 3 | 14 25 | 2 16 | 5 56 | 0 29 | 15 28 | 1 24 | 19 14 | 15 59 | 15 17 | 15 35 | 0 30 | | n.a. |
| S 14 | 13 51 | 1 25 | 3 34 | 6 55 | 0 54 | 11 5 | 0 20 | 20 0 | 0 51 | 19 15 | 0 3 | 14 24 | 2 17 | 5 57 | 0 29 | 15 28 | 1 24 | 19 14 | 15 59 | 15 19 | 15 36 | 0 28 | | n.a. |
| S 15 | 14 12 | 3n49 | 4 22 | 7 36 | 0 46 | 10 39 | 0 5 | 20 13 | 0 52 | 19 19 | 0 3 | 14 23 | 2 17 | 5 58 | 0 29 | 15 29 | 1 24 | 19 13 | 15 59 | 15 21 | 15 37 | 0 26 | | n.a. |
| M16 | 14 32 | 8 50 | 4 52 | 8 16 | 0 39 | 10 14 | 0n10 | 20 25 | 0 52 | 19 22 | 0 3 | 14 22 | 2 17 | 6 0 | 0 29 | 15 30 | 1 24 | 19 13 | 16 0 | 15 25 | 15 38 | 0 24 | | n.a. |
| T 17 | 14 52 | 13 15 | 5 1 | 8 56 | 0 32 | 9 49 | 0 25 | 20 36 | 0 52 | 19 26 | 0 3 | 14 21 | 2 17 | 6 1 | 0 29 | 15 30 | 1 24 | 19 13 | 16 0 | 15 28 | 15 39 | 0 22 | | n.a. |
| W18 | 15 12 | 16 46 | 4 49 | 9 36 | 0 25 | 9 26 | 0 40 | 20 48 | 0 53 | 19 29 | 0 3 | 14 20 | 2 18 | 6 2 | 0 29 | 15 31 | 1 24 | 19 12 | 16 1 | 15 32 | 15 40 | 0 20 | | n.a. |
| T 19 | 15 31 | 19 9 | 4 19 | 10 16 | 0 18 | 9 3 | 0 54 | 20 59 | 0 53 | 19 33 | 0 3 | 14 19 | 2 18 | 6 4 | 0 29 | 15 32 | 1 24 | 19 12 | 16 1 | 15 35 | 15 41 | 0 17 | | n.a. |
| F 20 | 15 51 | 20 18 | 3 35 | 10 55 | 0 11 | 8 42 | 1 8 | 21 10 | 0 54 | 19 36 | 0 3 | 14 18 | 2 18 | 6 5 | 0 29 | 15 32 | 1 24 | 19 12 | 16 1 | 15 38 | 15 42 | 0 15 | | n.a. |
| S 21 | 16 10 | 20 15 | 2 40 | 11 34 | 0 4 | 8 22 | 1 21 | 21 21 | 0 54 | 19 40 | 0 3 | 14 17 | 2 18 | 6 6 | 0 29 | 15 33 | 1 24 | 19 11 | 16 2 | 15 39 | 15 43 | 0 13 | | n.a. |
| S 22 | 16 28 | 19 6 | 1 38 | 12 13 | 0s 3 | 8 3 | 1 34 | 21 32 | 0 55 | 19 43 | 0 2 | 14 16 | 2 19 | 6 8 | 0 29 | 15 34 | 1 24 | 19 11 | 16 2 | 15 40 | 15 44 | 0 11 | | n.a. |
| M23 | 16 47 | 17 2 | 0 34 | 12 52 | 0 10 | 7 46 | 1 47 | 21 43 | 0 55 | 19 46 | 0 2 | 14 15 | 2 19 | 6 9 | 0 29 | 15 34 | 1 24 | 19 11 | 16 3 | 15 40 | 15 45 | 0 9 | | n.a. |
| T 24 | 17 5 | 14 15 | 0n31 | 13 30 | 0 16 | 7 30 | 1 58 | 21 53 | 0 55 | 19 50 | 0 2 | 14 14 | 2 19 | 6 10 | 0 29 | 15 35 | 1 24 | 19 11 | 16 3 | 15 40 | 15 46 | 0 7 | | n.a. |
| W25 | 17 23 | 10 54 | 1 33 | 14 7 | 0 23 | 7 15 | 2 10 | 22 3 | 0 56 | 19 53 | 0 2 | 14 13 | 2 20 | 6 12 | 0 29 | 15 36 | 1 24 | 19 10 | 16 3 | 15 40 | 15 47 | 0 5 | | n.a. |
| T 26 | 17 40 | 7 10 | 2 30 | 14 45 | 0 30 | 7 2 | 2 21 | 22 12 | 0 56 | 19 57 | 0 2 | 14 12 | 2 20 | 6 13 | 0 29 | 15 36 | 1 24 | 19 10 | 16 4 | 15 41 | 15 48 | 0 2 | | n.a. |
| F 27 | 17 57 | 3 10 | 3 20 | 15 21 | 0 36 | 6 50 | 2 31 | 22 22 | 0 56 | 20 0 | 0 2 | 14 11 | 2 20 | 6 14 | 0 29 | 15 37 | 1 24 | 19 10 | 16 4 | 15 43 | 15 49 | 0 0 | | n.a. |
| S 28 | 18 14 | 0s56 | 4 2 | 15 57 | 0 42 | 6 40 | 2 41 | 22 31 | 0 57 | 20 3 | 0 2 | 14 10 | 2 20 | 6 16 | 0 29 | 15 38 | 1 24 | 19 10 | 16 5 | 15 45 | 15 50 | 0s 2 | | n.a. |
| S 29 | 18 30 | 5 3 | 4 33 | 16 33 | 0 48 | 6 31 | 2 50 | 22 40 | 0 57 | 20 7 | 0 2 | 14 10 | 2 21 | 6 17 | 0 29 | 15 38 | 1 24 | 19 10 | 16 5 | 15 49 | 15 51 | 0 4 | | n.a. |
| M30 | 18s46 | 8s59 | 4n53 | 17s 8 | 0s54 | 6s23 | 2n59 | 22s49 | 0s58 | 20s10 | 0n 2 | 14n 9 | 2n21 | 6s18 | 0n29 | 15s39 | 1n24 | 19n 9 | 16n 6 | 15n53 | 15n52 | 0s 6 | | n.a. |

Julian Day Number = 1003280.5, Delta T = 12h48m38s
Ecliptic obliquity = 23°55'08, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'54, Lahiri = -31°03'54 Julian Calendar 1 Nov. 1967 BCE == Greg. Calendar 15 Oct. 1967 BCE


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# ASTRODIENST EPHEMERIS for the year 1967 BCE
# geocentric

## DECEMBER 1967 BCE (-1966) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 31 44 | 23♏34'05 | 17♏34 | 15♏18 | 23♎11 | 7♐31 | 28♏35 | 29♌19 | 16♎54 | 16♏ 8 | 18♍58 | 17°R18 | 17♌34 | 9♎34 | n.a. | T 1 |
| W 2 | 3 35 40 | 24°35'20 | 29°52 | 16°53 | 23°17 | 8°18 | 28°49 | 29°21 | 16°57 | 16°10 | 18°59 | 17♌ 4 | 17°31 | 9°40 | n.a. | W 2 |
| T 3 | 3 39 37 | 25°36'34 | 12♐21 | 18°29 | 23°26 | 9° 6 | 29° 3 | 29°23 | 17° 0 | 16°12 | 19° 0 | 16°50 | 17°28 | 9°47 | n.a. | T 3 |
| F 4 | 3 43 33 | 26°37'47 | 24°59 | 20° 5 | 23°37 | 9°53 | 29°17 | 29°26 | 17° 3 | 16°15 | 19° 2 | 16°39 | 17°25 | 9°54 | n.a. | F 4 |
| S 5 | 3 47 30 | 27°38'59 | 7♑48 | 21°42 | 23°50 | 10°41 | 29°31 | 29°28 | 17° 6 | 16°17 | 19° 3 | 16°30 | 17°21 | 10° 0 | n.a. | S 5 |
| S 6 | 3 51 26 | 28°40'11 | 20°47 | 23°20 | 24° 6 | 11°28 | 29°46 | 29°30 | 17° 9 | 16°19 | 19° 4 | 16°25 | 17°18 | 10° 7 | n.a. | S 6 |
| M 7 | 3 55 23 | 29°41'21 | 3♒59 | 24°58 | 24°23 | 12°15 | 29°59 | 29°32 | 17°12 | 16°21 | 19° 5 | 16°23 | 17°15 | 10°14 | n.a. | M 7 |
| T 8 | 3 59 20 | 0♐42'30 | 17°25 | 26°36 | 24°42 | 13° 3 | 0♐14 | 29°34 | 17°15 | 16°24 | 19° 6 | 16°D22 | 17°12 | 10°20 | n.a. | T 8 |
| W 9 | 4 3 16 | 1°43'37 | 1♓ 6 | 28°15 | 25° 4 | 13°50 | 0°28 | 29°35 | 17°18 | 16°26 | 19° 7 | 16°R23 | 17° 9 | 10°27 | n.a. | W 9 |
| T 10 | 4 7 13 | 2°44'43 | 15° 5 | 29°55 | 25°27 | 14°37 | 0°42 | 29°37 | 17°21 | 16°28 | 19° 8 | 16°22 | 17° 6 | 10°34 | n.a. | T 10 |
| F 11 | 4 11 9 | 3°45'48 | 29°20 | 1♐35 | 25°52 | 15°25 | 0°56 | 29°38 | 17°24 | 16°30 | 19° 9 | 16°20 | 17° 2 | 10°41 | n.a. | F 11 |
| S 12 | 4 15 6 | 4°46'51 | 13♈51 | 3°16 | 26°18 | 16°12 | 1°10 | 29°40 | 17°27 | 16°33 | 19°10 | 16°15 | 16°59 | 10°47 | n.a. | S 12 |
| S 13 | 4 19 2 | 5°47'53 | 28°33 | 4°58 | 26°47 | 16°59 | 1°25 | 29°41 | 17°29 | 16°35 | 19°11 | 16° 7 | 16°56 | 10°54 | n.a. | S 13 |
| M14 | 4 22 59 | 6°48'54 | 13♉21 | 6°40 | 27°17 | 17°47 | 1°39 | 29°42 | 17°32 | 16°37 | 19°12 | 15°57 | 16°53 | 11° 1 | n.a. | M14 |
| T 15 | 4 26 55 | 7°49'53 | 28° 6 | 8°23 | 27°48 | 18°34 | 1°53 | 29°44 | 17°35 | 16°39 | 19°13 | 15°46 | 16°50 | 11° 7 | n.a. | T 15 |
| W16 | 4 30 52 | 8°50'51 | 12♊39 | 10° 7 | 28°21 | 19°22 | 2° 7 | 29°45 | 17°38 | 16°41 | 19°14 | 15°36 | 16°47 | 11°14 | n.a. | W16 |
| T 17 | 4 34 49 | 9°51'48 | 26°55 | 11°51 | 28°56 | 20° 9 | 2°21 | 29°46 | 17°40 | 16°43 | 19°15 | 15°26 | 16°43 | 11°21 | n.a. | T 17 |
| F 18 | 4 38 45 | 10°52'43 | 10♋47 | 13°35 | 29°31 | 20°56 | 2°35 | 29°46 | 17°43 | 16°45 | 19°16 | 15°19 | 16°40 | 11°27 | n.a. | F 18 |
| S 19 | 4 42 42 | 11°53'38 | 24°12 | 15°21 | 0♏ 9 | 21°43 | 2°49 | 29°47 | 17°45 | 16°48 | 19°16 | 15°14 | 16°37 | 11°34 | n.a. | S 19 |
| S 20 | 4 46 38 | 12°54'31 | 7♌12 | 17° 7 | 0°47 | 22°31 | 3° 3 | 29°48 | 17°48 | 16°50 | 19°17 | 15°12 | 16°34 | 11°41 | n.a. | S 20 |
| M21 | 4 50 35 | 13°55'23 | 19°48 | 18°53 | 1°27 | 23°18 | 3°17 | 29°48 | 17°50 | 16°52 | 19°18 | 15°D12 | 16°31 | 11°48 | n.a. | M21 |
| T 22 | 4 54 31 | 14°56'14 | 2♍ 5 | 20°41 | 2° 8 | 24° 5 | 3°31 | 29°49 | 17°53 | 16°54 | 19°18 | 15°13 | 16°27 | 11°54 | n.a. | T 22 |
| W23 | 4 58 28 | 15°57'03 | 14° 8 | 22°28 | 2°50 | 24°53 | 3°45 | 29°49 | 17°55 | 16°56 | 19°19 | 15°R13 | 16°24 | 12° 1 | n.a. | W23 |
| T 24 | 5 2 25 | 16°57'52 | 26° 1 | 24°16 | 3°33 | 25°40 | 3°59 | 29°49 | 17°57 | 16°58 | 19°19 | 15°13 | 16°21 | 12° 8 | n.a. | T 24 |
| F 25 | 5 6 21 | 17°58'39 | 7♎51 | 26° 4 | 4°17 | 26°27 | 4°13 | 29°R49 | 18° 0 | 17° 0 | 19°20 | 15°11 | 16°18 | 12°14 | n.a. | F 25 |
| S 26 | 5 10 18 | 18°59'24 | 19°42 | 27°52 | 5° 2 | 27°14 | 4°27 | 29°49 | 18° 2 | 17° 2 | 19°20 | 15° 6 | 16°15 | 12°21 | n.a. | S 26 |
| S 27 | 5 14 14 | 20° 0'09 | 1♏38 | 29°41 | 5°48 | 28° 2 | 4°41 | 29°49 | 18° 4 | 17° 4 | 19°21 | 14°59 | 16°12 | 12°28 | n.a. | S 27 |
| M28 | 5 18 11 | 21° 0'52 | 13°44 | 1♑29 | 6°35 | 28°49 | 4°55 | 29°49 | 18° 6 | 17° 6 | 19°21 | 14°50 | 16° 8 | 12°34 | n.a. | M28 |
| T 29 | 5 22 7 | 22° 1'33 | 26° 2 | 3°17 | 7°23 | 29°36 | 5° 9 | 29°48 | 18° 8 | 17° 8 | 19°22 | 14°40 | 16° 5 | 12°41 | n.a. | T 29 |
| W30 | 5 26 4 | 23° 2'13 | 8♐32 | 5° 4 | 8°12 | 0♑23 | 5°22 | 29°48 | 18°11 | 17°10 | 19°22 | 14°30 | 16° 2 | 12°48 | n.a. | W30 |
| T 31 | 5 30 0 | 24♐ 2'52 | 21♐17 | 6♑50 | 9♏ 1 | 1♑11 | 5♐36 | 29♌47 | 18♎13 | 17♏12 | 19♍22 | 14♌20 | 15♌59 | 12♎55 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 19s 2 | 12s37 | 5n 0 | 17s42 | 1s 0 | 6s17 | 3n 8 | 22s57 | 0s58 | 20s13 | 0n 1 | 14n 8 | 2n21 | 6s19 | 0n29 | 15s40 | 1n24 | 19n 9 | 16n 6 | 15n57 | 15n53 | 0s 8 | | | n.a. |
| W 2 | 19 18 | 15 46 | 4 52 | 18 15 | 1 5 | 6 12 | 3 15 | 23 5 | 0 58 | 20 17 | 0 1 | 14 8 | 2 21 | 6 20 | 0 29 | 15 40 | 1 24 | 19 9 | 16 7 | 16 2 | 15 54 | 0 11 | | | n.a. |
| T 3 | 19 33 | 18 15 | 4 31 | 18 48 | 1 11 | 6 9 | 3 23 | 23 13 | 0 59 | 20 20 | 0 1 | 14 7 | 2 22 | 6 22 | 0 29 | 15 41 | 1 24 | 19 9 | 16 7 | 16 6 | 15 55 | 0 13 | | | n.a. |
| F 4 | 19 47 | 19 53 | 3 56 | 19 20 | 1 16 | 6 6 | 3 30 | 23 21 | 0 59 | 20 23 | 0 1 | 14 7 | 2 22 | 6 23 | 0 29 | 15 42 | 1 24 | 19 9 | 16 7 | 16 10 | 15 55 | 0 15 | | | n.a. |
| S 5 | 20 2 | 20 33 | 3 9 | 19 51 | 1 21 | 6 5 | 3 36 | 23 28 | 0 59 | 20 26 | 0 1 | 14 6 | 2 22 | 6 24 | 0 29 | 15 42 | 1 24 | 19 9 | 16 8 | 16 12 | 15 56 | 0 17 | | | n.a. |
| S 6 | 20 16 | 20 7 | 2 11 | 20 21 | 1 25 | 6 6 | 3 42 | 23 35 | 1 0 | 20 29 | 0 1 | 14 6 | 2 23 | 6 25 | 0 29 | 15 43 | 1 24 | 19 9 | 16 8 | 16 14 | 15 57 | 0 19 | | | n.a. |
| M 7 | 20 29 | 18 35 | 1 5 | 20 50 | 1 30 | 6 7 | 3 48 | 23 42 | 1 0 | 20 33 | 0 1 | 14 5 | 2 23 | 6 26 | 0 29 | 15 44 | 1 24 | 19 9 | 16 9 | 16 15 | 15 58 | 0 22 | | | n.a. |
| T 8 | 20 42 | 16 1 | 0s 6 | 21 19 | 1 34 | 6 9 | 3 53 | 23 49 | 1 0 | 20 36 | 0 1 | 14 5 | 2 23 | 6 27 | 0 29 | 15 44 | 1 24 | 19 9 | 16 9 | 16 15 | 15 59 | 0 24 | | | n.a. |
| W 9 | 20 55 | 12 30 | 1 17 | 21 46 | 1 38 | 6 13 | 3 57 | 23 55 | 1 0 | 20 39 | 0 0 | 14 4 | 2 23 | 6 29 | 0 29 | 15 45 | 1 24 | 19 9 | 16 10 | 16 15 | 16 0 | 0 26 | | | n.a. |
| T 10 | 21 8 | 8 14 | 2 26 | 22 12 | 1 42 | 6 18 | 4 1 | 24 1 | 1 1 | 20 42 | 0 0 | 14 4 | 2 24 | 6 30 | 0 29 | 15 46 | 1 24 | 19 9 | 16 10 | 16 15 | 16 1 | 0 28 | | | n.a. |
| F 11 | 21 20 | 3 25 | 3 27 | 22 36 | 1 45 | 6 23 | 4 5 | 24 7 | 1 1 | 20 45 | 0 0 | 14 4 | 2 24 | 6 31 | 0 29 | 15 46 | 1 24 | 19 9 | 16 11 | 16 15 | 16 2 | 0 30 | | | n.a. |
| S 12 | 21 31 | 1n39 | 4 16 | 23 0 | 1 48 | 6 30 | 4 9 | 24 12 | 1 1 | 20 48 | 0 0 | 14 4 | 2 24 | 6 32 | 0 29 | 15 47 | 1 24 | 19 9 | 16 11 | 16 17 | 16 3 | 0 32 | | | n.a. |
| S 13 | 21 42 | 6 42 | 4 48 | 23 22 | 1 51 | 6 37 | 4 12 | 24 17 | 1 2 | 20 51 | 0 0 | 14 3 | 2 25 | 6 33 | 0 29 | 15 47 | 1 24 | 19 9 | 16 12 | 16 19 | 16 4 | 0 35 | | | n.a. |
| M14 | 21 53 | 11 22 | 5 2 | 23 43 | 1 53 | 6 45 | 4 15 | 24 22 | 1 2 | 20 54 | 0s 0 | 14 3 | 2 25 | 6 34 | 0 29 | 15 48 | 1 24 | 19 9 | 16 12 | 16 22 | 16 5 | 0 37 | | | n.a. |
| T 15 | 22 3 | 15 20 | 4 55 | 24 2 | 1 55 | 6 54 | 4 17 | 24 27 | 1 2 | 20 57 | 0 0 | 14 3 | 2 25 | 6 35 | 0 29 | 15 49 | 1 24 | 19 9 | 16 13 | 16 26 | 16 6 | 0 39 | | | n.a. |
| W16 | 22 13 | 18 19 | 4 30 | 24 20 | 1 57 | 7 4 | 4 19 | 24 31 | 1 2 | 21 0 | 0 0 | 14 3 | 2 25 | 6 36 | 0 29 | 15 49 | 1 24 | 19 9 | 16 13 | 16 29 | 16 7 | 0 41 | | | n.a. |
| T 17 | 22 22 | 20 6 | 3 47 | 24 37 | 1 58 | 7 15 | 4 21 | 24 35 | 1 3 | 21 3 | 0 0 | 14 3 | 2 26 | 6 37 | 0 29 | 15 50 | 1 24 | 19 9 | 16 14 | 16 32 | 16 8 | 0 43 | | | n.a. |
| F 18 | 22 31 | 20 36 | 2 53 | 24 51 | 1 59 | 7 26 | 4 23 | 24 39 | 1 3 | 21 6 | 0 1 | 14 3 | 2 26 | 6 38 | 0 29 | 15 51 | 1 24 | 19 10 | 16 14 | 16 34 | 16 9 | 0 46 | | | n.a. |
| S 19 | 22 40 | 19 54 | 1 50 | 25 4 | 1 59 | 7 38 | 4 24 | 24 42 | 1 3 | 21 9 | 0 1 | 14 3 | 2 26 | 6 39 | 0 29 | 15 51 | 1 24 | 19 10 | 16 15 | 16 35 | 16 10 | 0 48 | | | n.a. |
| S 20 | 22 48 | 18 9 | 0 43 | 25 15 | 1 59 | 7 51 | 4 25 | 24 45 | 1 3 | 21 12 | 0 1 | 14 3 | 2 27 | 6 40 | 0 29 | 15 52 | 1 24 | 19 10 | 16 15 | 16 36 | 16 11 | 0 50 | | | n.a. |
| M21 | 22 56 | 15 33 | 0n25 | 25 25 | 1 59 | 8 4 | 4 25 | 24 48 | 1 3 | 21 15 | 0 1 | 14 3 | 2 27 | 6 41 | 0 29 | 15 52 | 1 24 | 19 10 | 16 16 | 16 36 | 16 12 | 0 52 | | | n.a. |
| T 22 | 23 3 | 12 19 | 1 29 | 25 32 | 1 57 | 8 18 | 4 26 | 24 51 | 1 4 | 21 18 | 0 1 | 14 3 | 2 27 | 6 42 | 0 29 | 15 53 | 1 24 | 19 10 | 16 16 | 16 36 | 16 13 | 0 54 | | | n.a. |
| W23 | 23 10 | 8 38 | 2 28 | 25 38 | 1 56 | 8 32 | 4 26 | 24 53 | 1 4 | 21 21 | 0 1 | 14 3 | 2 27 | 6 43 | 0 29 | 15 53 | 1 24 | 19 11 | 16 17 | 16 36 | 16 14 | 0 56 | | | n.a. |
| T 24 | 23 16 | 4 40 | 3 20 | 25 41 | 1 54 | 8 47 | 4 26 | 24 55 | 1 4 | 21 23 | 0 1 | 14 4 | 2 28 | 6 44 | 0 29 | 15 54 | 1 24 | 19 11 | 16 17 | 16 36 | 16 15 | 0 59 | | | n.a. |
| F 25 | 23 22 | 0 33 | 4 4 | 25 42 | 1 51 | 9 3 | 4 25 | 24 56 | 1 4 | 21 26 | 0 1 | 14 4 | 2 28 | 6 45 | 0 29 | 15 55 | 1 24 | 19 11 | 16 18 | 16 36 | 16 16 | 1 1 | | | n.a. |
| S 26 | 23 27 | 3s36 | 4 36 | 25 41 | 1 47 | 9 18 | 4 25 | 24 58 | 1 4 | 21 29 | 0 1 | 14 4 | 2 28 | 6 45 | 0 30 | 15 55 | 1 24 | 19 11 | 16 19 | 16 38 | 16 17 | 1 3 | | | n.a. |
| S 27 | 23 32 | 7 38 | 4 57 | 25 38 | 1 43 | 9 34 | 4 24 | 24 59 | 1 5 | 21 32 | 0 2 | 14 4 | 2 29 | 6 46 | 0 30 | 15 56 | 1 24 | 19 12 | 16 19 | 16 40 | 16 18 | 1 5 | | | n.a. |
| M28 | 23 36 | 11 25 | 5 5 | 25 33 | 1 38 | 9 51 | 4 23 | 24 59 | 1 5 | 21 34 | 0 2 | 14 5 | 2 29 | 6 47 | 0 30 | 15 56 | 1 24 | 19 12 | 16 20 | 16 43 | 16 19 | 1 7 | | | n.a. |
| T 29 | 23 40 | 14 48 | 5 0 | 25 25 | 1 33 | 10 8 | 4 22 | 25 0 | 1 5 | 21 37 | 0 2 | 14 5 | 2 29 | 6 48 | 0 30 | 15 57 | 1 24 | 19 12 | 16 20 | 16 46 | 16 20 | 1 10 | | | n.a. |
| W30 | 23 44 | 17 34 | 4 39 | 25 15 | 1 26 | 10 25 | 4 21 | 25 0 | 1 5 | 21 40 | 0 2 | 14 5 | 2 29 | 6 49 | 0 30 | 15 57 | 1 24 | 19 13 | 16 21 | 16 49 | 16 21 | 1 12 | | | n.a. |
| T 31 | 23s47 | 19s33 | 4n 5 | 25s 3 | 1s19 | 10s42 | 4n19 | 25s 0 | 1s 5 | 21s42 | 0s 2 | 14n 6 | 2n30 | 6s49 | 0n30 | 15s58 | 1n24 | 19n13 | 16n21 | 16n51 | 16n22 | 1s14 | | | n.a. |

Julian Day Number = 1003310.5, Delta T = 12h48m36s
Ecliptic obliquity = 23°55'08, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'50, Lahiri = -31°03'50 Julian Calendar 1 Dec. 1967 BCE == Greg. Calendar 14 Nov. 1967 BCE

The year -1966 astronomical counting style corresponds to year 1967 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## JANUARY 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 33 57 | 25♐ 3'28 | 4♉15 | 8♉35 | 9♏51 | 1♉58 | 5♐50 | 29°R47 | 18♎15 | 17♏14 | 19♍23 | 14°R13 | 15♌56 | 13♎ 1 | n.a. | F 1 |
| S 2 | 5 37 54 | 26° 4'03 | 17°25 | 10°19 | 10°42 | 2°45 | 6° 4 | 29♌46 | 18°16 | 17°16 | 19°23 | 14♌ 7 | 15°53 | 13° 8 | n.a. | S 2 |
| S 3 | 5 41 50 | 27° 4'36 | 0♒47 | 12° 0 | 11°34 | 3°32 | 6°18 | 29°45 | 18°18 | 17°17 | 19°23 | 14° 4 | 15°49 | 13°15 | n.a. | S 3 |
| M 4 | 5 45 47 | 28° 5'07 | 14°20 | 13°39 | 12°27 | 4°19 | 6°31 | 29°44 | 18°20 | 17°19 | 19°23 | 14°D 3 | 15°46 | 13°21 | n.a. | M 4 |
| T 5 | 5 49 43 | 29° 5'36 | 28° 2 | 15°15 | 13°20 | 5° 6 | 6°45 | 29°43 | 18°22 | 17°21 | 19°23 | 14° 4 | 15°43 | 13°28 | n.a. | T 5 |
| W 6 | 5 53 40 | 0♉ 6'03 | 11♓53 | 16°48 | 14°13 | 5°53 | 6°58 | 29°42 | 18°24 | 17°23 | 19°23 | 14° 5 | 15°40 | 13°35 | n.a. | W 6 |
| T 7 | 5 57 36 | 1° 6'28 | 25°53 | 18°16 | 15° 8 | 6°40 | 7°12 | 29°41 | 18°25 | 17°25 | 19°24 | 14°R 6 | 15°37 | 13°41 | n.a. | T 7 |
| F 8 | 6 1 33 | 2° 6'50 | 10♈ 1 | 19°39 | 16° 2 | 7°27 | 7°25 | 29°40 | 18°27 | 17°26 | 19°R24 | 14° 6 | 15°33 | 13°48 | n.a. | F 8 |
| S 9 | 6 5 29 | 3° 7'10 | 24°16 | 20°57 | 16°58 | 8°14 | 7°39 | 29°38 | 18°29 | 17°28 | 19°24 | 14° 4 | 15°30 | 13°55 | n.a. | S 9 |
| S 10 | 6 9 26 | 4° 7'28 | 8♉35 | 22° 9 | 17°54 | 9° 1 | 7°52 | 29°37 | 18°30 | 17°30 | 19°23 | 14° 0 | 15°27 | 14° 2 | n.a. | S 10 |
| M11 | 6 13 23 | 5° 7'44 | 22°54 | 23°15 | 18°50 | 9°48 | 8° 6 | 29°35 | 18°32 | 17°32 | 19°23 | 13°55 | 15°24 | 14° 8 | n.a. | M11 |
| T 12 | 6 17 19 | 6° 7'58 | 7♊10 | 24°12 | 19°47 | 10°35 | 8°19 | 29°33 | 18°33 | 17°33 | 19°23 | 13°49 | 15°21 | 14°15 | n.a. | T 12 |
| W13 | 6 21 16 | 7° 8'09 | 21°16 | 25° 2 | 20°45 | 11°22 | 8°32 | 29°31 | 18°35 | 17°35 | 19°23 | 13°43 | 15°18 | 14°22 | n.a. | W13 |
| T 14 | 6 25 12 | 8° 8'19 | 5♋ 9 | 25°44 | 21°42 | 12° 9 | 8°46 | 29°29 | 18°36 | 17°37 | 19°23 | 13°38 | 15°14 | 14°28 | n.a. | T 14 |
| F 15 | 6 29 9 | 9° 8'26 | 18°45 | 26°16 | 22°41 | 12°56 | 8°59 | 29°27 | 18°37 | 17°38 | 19°23 | 13°34 | 15°11 | 14°35 | n.a. | F 15 |
| S 16 | 6 33 5 | 10° 8'32 | 2♌ 0 | 26°40 | 23°40 | 13°42 | 9°12 | 29°25 | 18°39 | 17°40 | 19°22 | 13°32 | 15° 8 | 14°42 | n.a. | S 16 |
| S 17 | 6 37 2 | 11° 8'35 | 14°55 | 26°54 | 24°39 | 14°29 | 9°25 | 29°23 | 18°40 | 17°41 | 19°22 | 13°D31 | 15° 5 | 14°49 | n.a. | S 17 |
| M18 | 6 40 58 | 12° 8'37 | 27°31 | 26°R58 | 25°38 | 15°16 | 9°38 | 29°21 | 18°41 | 17°43 | 19°22 | 13°32 | 15° 2 | 14°55 | n.a. | M18 |
| T 19 | 6 44 55 | 13° 8'36 | 9♍49 | 26°54 | 26°38 | 16° 2 | 9°51 | 29°19 | 18°42 | 17°44 | 19°21 | 13°33 | 14°59 | 15° 2 | n.a. | T 19 |
| W20 | 6 48 52 | 14° 8'34 | 21°54 | 26°40 | 27°39 | 16°49 | 10° 4 | 29°16 | 18°43 | 17°46 | 19°21 | 13°35 | 14°55 | 15° 9 | n.a. | W20 |
| T 21 | 6 52 48 | 15° 8'30 | 3♎50 | 26°17 | 28°39 | 17°36 | 10°17 | 29°14 | 18°44 | 17°47 | 19°21 | 13°37 | 14°52 | 15°15 | n.a. | T 21 |
| F 22 | 6 56 45 | 16° 8'24 | 15°42 | 25°46 | 29°41 | 18°22 | 10°30 | 29°11 | 18°45 | 17°49 | 19°20 | 13°R37 | 14°49 | 15°22 | n.a. | F 22 |
| S 23 | 7 0 41 | 17° 8'16 | 27°35 | 25° 8 | 0♐42 | 19° 9 | 10°42 | 29° 8 | 18°46 | 17°50 | 19°20 | 13°37 | 14°46 | 15°29 | n.a. | S 23 |
| S 24 | 7 4 38 | 18° 8'06 | 9♏33 | 24°24 | 1°44 | 19°56 | 10°55 | 29° 5 | 18°47 | 17°51 | 19°19 | 13°35 | 14°43 | 15°35 | n.a. | S 24 |
| M25 | 7 8 34 | 19° 7'55 | 21°41 | 23°34 | 2°46 | 20°42 | 11° 8 | 29° 3 | 18°48 | 17°53 | 19°18 | 13°32 | 14°39 | 15°42 | n.a. | M25 |
| T 26 | 7 12 31 | 20° 7'41 | 4♐ 3 | 22°41 | 3°48 | 21°29 | 11°20 | 29° 0 | 18°48 | 17°54 | 19°18 | 13°29 | 14°36 | 15°49 | n.a. | T 26 |
| W27 | 7 16 27 | 21° 7'25 | 16°41 | 21°44 | 4°51 | 22°15 | 11°33 | 28°57 | 18°49 | 17°55 | 19°17 | 13°25 | 14°33 | 15°56 | n.a. | W27 |
| T 28 | 7 20 24 | 22° 7'08 | 29°37 | 20°46 | 5°54 | 23° 1 | 11°45 | 28°53 | 18°50 | 17°57 | 19°17 | 13°22 | 14°30 | 16° 2 | n.a. | T 28 |
| F 29 | 7 24 20 | 23° 6'48 | 12♉51 | 19°48 | 6°57 | 23°48 | 11°58 | 28°50 | 18°50 | 17°58 | 19°16 | 13°19 | 14°27 | 16° 9 | n.a. | F 29 |
| S 30 | 7 28 17 | 24° 6'27 | 26°24 | 18°51 | 8° 0 | 24°34 | 12°10 | 28°47 | 18°51 | 17°59 | 19°15 | 13°17 | 14°24 | 16°16 | n.a. | S 30 |
| S 31 | 7 32 14 | 25♉ 6'03 | 10♒11 | 17♉57 | 9♐ 4 | 25♉20 | 12♐22 | 28♌44 | 18♎51 | 18♏ 0 | 19♍14 | 13°D16 | 14♌20 | 16♎22 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23s49 | 20s34 | 3n17 | 24s49 | 1s11 | 11s 0 | 4n18 | 24s59 | 1s 5 | 21s45 | 0s 2 | 14n 6 | 2n30 | 6s50 | 0n30 | 15s58 | 1n24 | 19n13 | 16n22 | 16n54 | 16n23 | 1s16 | | n.a. |
| S 2 | 23 51 | 20 28 | 2 19 | 24 33 | 1 2 | 11 17 | 4 16 | 24 59 | 1 5 | 21 47 | 0 2 | 14 7 | 2 30 | 6 51 | 0 30 | 15 59 | 1 24 | 19 14 | 16 22 | 16 55 | 16 24 | 1 18 | | n.a. |
| S 3 | 23 53 | 19 14 | 1 11 | 24 15 | 0 53 | 11 35 | 4 14 | 24 58 | 1 5 | 21 50 | 0 2 | 14 8 | 2 31 | 6 52 | 0 30 | 15 59 | 1 24 | 19 14 | 16 23 | 16 56 | 16 25 | 1 21 | | n.a. |
| M 4 | 23 54 | 16 53 | 0s 2 | 23 54 | 0 43 | 11 53 | 4 12 | 24 56 | 1 6 | 21 52 | 0 3 | 14 8 | 2 31 | 6 52 | 0 30 | 16 0 | 1 24 | 19 14 | 16 23 | 16 56 | 16 26 | 1 23 | | n.a. |
| T 5 | 23 55 | 13 34 | 1 15 | 23 33 | 0 31 | 12 12 | 4 9 | 24 55 | 1 6 | 21 55 | 0 3 | 14 9 | 2 31 | 6 53 | 0 30 | 16 1 | 1 24 | 19 15 | 16 24 | 16 56 | 16 27 | 1 25 | | n.a. |
| W 6 | 23 55 | 9 28 | 2 25 | 23 10 | 0 19 | 12 30 | 4 7 | 24 53 | 1 6 | 21 57 | 0 3 | 14 9 | 2 31 | 6 54 | 0 30 | 16 1 | 1 24 | 19 15 | 16 24 | 16 56 | 16 28 | 1 27 | | n.a. |
| T 7 | 23 55 | 4 49 | 3 27 | 22 45 | 0 7 | 12 49 | 4 4 | 24 51 | 1 6 | 22 0 | 0 3 | 14 10 | 2 32 | 6 54 | 0 30 | 16 1 | 1 24 | 19 16 | 16 25 | 16 56 | 16 29 | 1 29 | | n.a. |
| F 8 | 23 54 | 0n 7 | 4 17 | 22 20 | 0n 7 | 13 7 | 4 1 | 24 48 | 1 6 | 22 2 | 0 3 | 14 11 | 2 32 | 6 55 | 0 30 | 16 2 | 1 24 | 19 16 | 16 25 | 16 56 | 16 30 | 1 32 | | n.a. |
| S 9 | 23 53 | 5 5 | 4 52 | 21 54 | 0 21 | 13 26 | 3 59 | 24 45 | 1 6 | 22 4 | 0 3 | 14 12 | 2 32 | 6 56 | 0 30 | 16 2 | 1 24 | 19 17 | 16 26 | 16 56 | 16 30 | 1 34 | | n.a. |
| S 10 | 23 51 | 9 47 | 5 9 | 21 28 | 0 36 | 13 44 | 3 56 | 24 42 | 1 6 | 22 7 | 0 3 | 14 12 | 2 32 | 6 56 | 0 30 | 16 3 | 1 24 | 19 17 | 16 26 | 16 57 | 16 31 | 1 36 | | n.a. |
| M11 | 23 49 | 13 56 | 5 6 | 21 2 | 0 51 | 14 3 | 3 53 | 24 39 | 1 6 | 22 9 | 0 3 | 14 13 | 2 33 | 6 57 | 0 30 | 16 3 | 1 24 | 19 18 | 16 27 | 16 59 | 16 32 | 1 38 | | n.a. |
| T 12 | 23 46 | 17 16 | 4 45 | 20 37 | 1 7 | 14 21 | 3 49 | 24 35 | 1 6 | 22 11 | 0 4 | 14 14 | 2 33 | 6 57 | 0 30 | 16 4 | 1 24 | 19 18 | 16 27 | 17 1 | 16 33 | 1 40 | | n.a. |
| W13 | 23 43 | 19 32 | 4 6 | 20 12 | 1 23 | 14 40 | 3 46 | 24 31 | 1 6 | 22 14 | 0 4 | 14 15 | 2 33 | 6 58 | 0 30 | 16 4 | 1 24 | 19 19 | 16 28 | 17 2 | 16 34 | 1 43 | | n.a. |
| T 14 | 23 40 | 20 35 | 3 14 | 19 48 | 1 39 | 14 58 | 3 43 | 24 27 | 1 6 | 22 16 | 0 4 | 14 16 | 2 34 | 6 58 | 0 30 | 16 5 | 1 24 | 19 19 | 16 28 | 17 4 | 16 35 | 1 45 | | n.a. |
| F 15 | 23 36 | 20 25 | 2 11 | 19 26 | 1 55 | 15 17 | 3 39 | 24 23 | 1 6 | 22 18 | 0 4 | 14 17 | 2 34 | 6 59 | 0 30 | 16 5 | 1 24 | 19 20 | 16 29 | 17 5 | 16 36 | 1 47 | | n.a. |
| S 16 | 23 31 | 19 6 | 1 3 | 19 6 | 2 11 | 15 35 | 3 36 | 24 18 | 1 6 | 22 20 | 0 4 | 14 18 | 2 34 | 6 59 | 0 30 | 16 6 | 1 24 | 19 20 | 16 29 | 17 6 | 16 37 | 1 49 | | n.a. |
| S 17 | 23 26 | 16 48 | 0n 8 | 18 48 | 2 26 | 15 53 | 3 32 | 24 13 | 1 6 | 22 22 | 0 4 | 14 19 | 2 34 | 7 0 | 0 30 | 16 6 | 1 24 | 19 21 | 16 30 | 17 6 | 16 38 | 1 52 | | n.a. |
| M18 | 23 21 | 13 46 | 1 16 | 18 33 | 2 41 | 16 11 | 3 28 | 24 7 | 1 6 | 22 25 | 0 4 | 14 20 | 2 35 | 7 0 | 0 30 | 16 6 | 1 24 | 19 22 | 16 30 | 17 6 | 16 39 | 1 54 | | n.a. |
| T 19 | 23 15 | 10 11 | 2 19 | 18 20 | 2 55 | 16 29 | 3 24 | 24 2 | 1 6 | 22 27 | 0 4 | 14 21 | 2 35 | 7 1 | 0 30 | 16 7 | 1 24 | 19 22 | 16 31 | 17 5 | 16 40 | 1 56 | | n.a. |
| W20 | 23 9 | 6 15 | 3 15 | 18 10 | 3 9 | 16 47 | 3 20 | 23 56 | 1 6 | 22 29 | 0 4 | 14 22 | 2 35 | 7 1 | 0 30 | 16 7 | 1 24 | 19 23 | 16 31 | 17 5 | 16 41 | 1 58 | | n.a. |
| T 21 | 23 2 | 2 8 | 4 2 | 18 2 | 3 20 | 17 4 | 3 17 | 23 50 | 1 6 | 22 31 | 0 5 | 14 23 | 2 35 | 7 1 | 0 30 | 16 8 | 1 24 | 19 23 | 16 32 | 17 4 | 16 42 | 2 0 | | n.a. |
| F 22 | 22 55 | 2s 3 | 4 38 | 17 58 | 3 31 | 17 21 | 3 12 | 23 44 | 1 6 | 22 33 | 0 5 | 14 25 | 2 35 | 7 2 | 0 30 | 16 8 | 1 24 | 19 24 | 16 32 | 17 4 | 16 43 | 2 3 | | n.a. |
| S 23 | 22 48 | 6 8 | 5 2 | 17 56 | 3 40 | 17 38 | 3 8 | 23 37 | 1 6 | 22 35 | 0 5 | 14 26 | 2 36 | 7 2 | 0 30 | 16 8 | 1 25 | 19 25 | 16 33 | 17 4 | 16 44 | 2 5 | | n.a. |
| S 24 | 22 40 | 10 1 | 5 13 | 17 57 | 3 47 | 17 55 | 3 4 | 23 30 | 1 6 | 22 37 | 0 5 | 14 27 | 2 36 | 7 2 | 0 30 | 16 9 | 1 25 | 19 25 | 16 33 | 17 5 | 16 45 | 2 7 | | n.a. |
| M25 | 22 31 | 13 33 | 5 11 | 18 0 | 3 52 | 18 11 | 3 0 | 23 23 | 1 6 | 22 39 | 0 5 | 14 28 | 2 36 | 7 3 | 0 30 | 16 9 | 1 25 | 19 26 | 16 34 | 17 6 | 16 46 | 2 9 | | n.a. |
| T 26 | 22 22 | 16 34 | 4 54 | 18 6 | 3 55 | 18 27 | 2 56 | 23 15 | 1 6 | 22 41 | 0 5 | 14 29 | 2 36 | 7 3 | 0 30 | 16 9 | 1 25 | 19 27 | 16 34 | 17 7 | 16 47 | 2 11 | | n.a. |
| W27 | 22 13 | 18 53 | 4 23 | 18 14 | 3 57 | 18 43 | 2 52 | 23 8 | 1 6 | 22 42 | 0 5 | 14 31 | 2 37 | 7 3 | 0 30 | 16 10 | 1 25 | 19 27 | 16 35 | 17 8 | 16 48 | 2 14 | | n.a. |
| T 28 | 22 4 | 20 17 | 3 38 | 18 24 | 3 56 | 18 59 | 2 47 | 23 0 | 1 6 | 22 44 | 0 6 | 14 32 | 2 37 | 7 3 | 0 30 | 16 10 | 1 25 | 19 28 | 16 35 | 17 9 | 16 49 | 2 16 | | n.a. |
| F 29 | 21 54 | 20 38 | 2 40 | 18 35 | 3 53 | 19 14 | 2 43 | 22 52 | 1 6 | 22 46 | 0 6 | 14 33 | 2 37 | 7 4 | 0 30 | 16 10 | 1 25 | 19 29 | 16 36 | 17 9 | 16 50 | 2 18 | | n.a. |
| S 30 | 21 43 | 19 48 | 1 32 | 18 48 | 3 48 | 19 29 | 2 38 | 22 43 | 1 6 | 22 48 | 0 6 | 14 35 | 2 37 | 7 4 | 0 30 | 16 11 | 1 25 | 19 29 | 16 36 | 17 10 | 16 50 | 2 20 | | n.a. |
| S 31 | 21s32 | 17s46 | 0n17 | 19s 2 | 3n42 | 19s43 | 2n34 | 22s35 | 1s 6 | 22s50 | 0s 6 | 14n36 | 2n37 | 7s 4 | 0n30 | 16s11 | 1n25 | 19n30 | 16n36 | 17n10 | 16n51 | 2s23 | | n.a. |

Julian Day Number = 1003341.5, Delta T = 12h48m34s
Ecliptic obliquity = 23°55'07, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'46, Lahiri = -31°03'45 Julian Calendar 1 Jan. 1966 BCE == Greg. Calendar 15 Dec. 1967 BCE

The year -1965 astronomical counting style corresponds to year 1966 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## FEBRUARY 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 36 10 | 26♉ 5'36 | 24♒11 | 17°R 5 | 10♐ 8 | 26♉ 7 | 12♐34 | 28°R40 | 18♎52 | 18♏ 1 | 19°R14 | 13♌17 | 14♌17 | 16♎29 | n.a. | M 1 |
| T 2 | 7 40 7 | 27° 5'08 | 8♓19 | 16♉18 | 11°12 | 26°53 | 12°46 | 28♌37 | 18°52 | 18° 2 | 19♍13 | 13°18 | 14°14 | 16°36 | n.a. | T 2 |
| W 3 | 7 44 3 | 28° 4'37 | 22°33 | 15°35 | 12°16 | 27°39 | 12°58 | 28°33 | 18°52 | 18° 3 | 19°12 | 13°19 | 14°11 | 16°43 | n.a. | W 3 |
| T 4 | 7 48 0 | 29° 4'03 | 6♈49 | 14°57 | 13°20 | 28°25 | 13°10 | 28°30 | 18°52 | 18° 4 | 19°11 | 13°20 | 14° 8 | 16°49 | n.a. | T 4 |
| F 5 | 7 51 56 | 0♒ 3'27 | 21° 4 | 14°26 | 14°25 | 29°11 | 13°22 | 28°26 | 18°53 | 18° 5 | 19°10 | 13°21 | 14° 4 | 16°56 | n.a. | F 5 |
| S 6 | 7 55 53 | 1° 2'48 | 5♉16 | 14° 0 | 15°30 | 29°57 | 13°34 | 28°22 | 18°53 | 18° 6 | 19° 9 | 13°R21 | 14° 1 | 17° 3 | n.a. | S 6 |
| S 7 | 7 59 49 | 2° 2'07 | 19°22 | 13°40 | 16°35 | 0♒43 | 13°45 | 28°18 | 18°53 | 18° 7 | 19° 8 | 13°20 | 13°58 | 17° 9 | n.a. | S 7 |
| M 8 | 8 3 46 | 3° 1'23 | 3♊20 | 13°26 | 17°40 | 1°29 | 13°57 | 28°15 | 18°R53 | 18° 8 | 19° 7 | 13°19 | 13°55 | 17°16 | n.a. | M 8 |
| T 9 | 8 7 42 | 4° 0'37 | 17° 9 | 13°19 | 18°46 | 2°15 | 14° 8 | 28°11 | 18°53 | 18° 9 | 19° 6 | 13°18 | 13°52 | 17°23 | n.a. | T 9 |
| W10 | 8 11 39 | 4°59'49 | 0♋47 | 13°D17 | 19°52 | 3° 1 | 14°20 | 28° 7 | 18°53 | 18°10 | 19° 5 | 13°17 | 13°49 | 17°29 | n.a. | W10 |
| T 11 | 8 15 36 | 5°58'58 | 14°12 | 13°20 | 20°57 | 3°47 | 14°31 | 28° 3 | 18°53 | 18°11 | 19° 4 | 13°16 | 13°45 | 17°36 | n.a. | T 11 |
| F 12 | 8 19 32 | 6°58'05 | 27°23 | 13°30 | 22° 3 | 4°33 | 14°42 | 27°59 | 18°53 | 18°12 | 19° 3 | 13°16 | 13°42 | 17°43 | n.a. | F 12 |
| S 13 | 8 23 29 | 7°57'09 | 10♌19 | 13°44 | 23°10 | 5°19 | 14°54 | 27°55 | 18°52 | 18°12 | 19° 2 | 13°D15 | 13°39 | 17°50 | n.a. | S 13 |
| S 14 | 8 27 25 | 8°56'11 | 23° 1 | 14° 4 | 24°16 | 6° 4 | 15° 5 | 27°51 | 18°52 | 18°13 | 19° 1 | 13°15 | 13°36 | 17°56 | n.a. | S 14 |
| M15 | 8 31 22 | 9°55'11 | 5♍28 | 14°28 | 25°22 | 6°50 | 15°15 | 27°46 | 18°52 | 18°14 | 19° 0 | 13°16 | 13°33 | 18° 3 | n.a. | M15 |
| T 16 | 8 35 18 | 10°54'09 | 17°42 | 14°57 | 26°29 | 7°36 | 15°26 | 27°42 | 18°51 | 18°15 | 18°58 | 13°16 | 13°30 | 18°10 | n.a. | T 16 |
| W17 | 8 39 15 | 11°53'05 | 29°46 | 15°30 | 27°36 | 8°21 | 15°37 | 27°38 | 18°51 | 18°15 | 18°57 | 13°16 | 13°26 | 18°16 | n.a. | W17 |
| T 18 | 8 43 11 | 12°51'59 | 11♎43 | 16° 8 | 28°43 | 9° 7 | 15°48 | 27°34 | 18°50 | 18°16 | 18°56 | 13°R16 | 13°23 | 18°23 | n.a. | T 18 |
| F 19 | 8 47 8 | 13°50'51 | 23°35 | 16°49 | 29°50 | 9°52 | 15°58 | 27°29 | 18°50 | 18°16 | 18°55 | 13°16 | 13°20 | 18°30 | n.a. | F 19 |
| S 20 | 8 51 4 | 14°49'41 | 5♏28 | 17°34 | 0♉57 | 10°38 | 16° 9 | 27°25 | 18°49 | 18°17 | 18°53 | 13°16 | 13°17 | 18°37 | n.a. | S 20 |
| S 21 | 8 55 1 | 15°48'29 | 17°26 | 18°22 | 2° 4 | 11°23 | 16°19 | 27°21 | 18°49 | 18°17 | 18°52 | 13°D16 | 13°14 | 18°43 | n.a. | S 21 |
| M22 | 8 58 58 | 16°47'15 | 29°33 | 19°14 | 3°12 | 12° 9 | 16°29 | 27°16 | 18°48 | 18°18 | 18°51 | 13°16 | 13°10 | 18°50 | n.a. | M22 |
| T 23 | 9 2 54 | 17°45'59 | 11♐55 | 20° 9 | 4°19 | 12°54 | 16°39 | 27°12 | 18°47 | 18°18 | 18°49 | 13°17 | 13° 7 | 18°57 | n.a. | T 23 |
| W24 | 9 6 51 | 18°44'42 | 24°34 | 21° 7 | 5°27 | 13°39 | 16°50 | 27° 7 | 18°47 | 18°19 | 18°48 | 13°17 | 13° 4 | 19° 3 | n.a. | W24 |
| T 25 | 9 10 47 | 19°43'22 | 7♉34 | 22° 7 | 6°35 | 14°24 | 16°59 | 27° 3 | 18°46 | 18°19 | 18°46 | 13°18 | 13° 1 | 19°10 | n.a. | T 25 |
| F 26 | 9 14 44 | 20°42'01 | 20°57 | 23°10 | 7°42 | 15°10 | 17° 9 | 26°58 | 18°45 | 18°19 | 18°45 | 13°18 | 12°58 | 19°17 | n.a. | F 26 |
| S 27 | 9 18 40 | 21°40'38 | 4♒43 | 24°16 | 8°50 | 15°55 | 17°19 | 26°54 | 18°44 | 18°20 | 18°44 | 13°19 | 12°55 | 19°24 | n.a. | S 27 |
| S 28 | 9 22 37 | 22♒39'12 | 18♒50 | 25♉25 | 9♉58 | 16♒40 | 17♐29 | 26♌49 | 18♎43 | 18♏20 | 18♍42 | 13°R19 | 12♌51 | 19♎30 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s21 | 14s40 | 1s 0 | 19s16 | 3n33 | 19s57 | 2n29 | 22s26 | 1s 6 | 22s51 | 0s 6 | 14n38 | 2n38 | 7s 4 | 0n30 | 16s11 | 1n25 | 19n31 | 16n37 | 17n10 | 16n52 | 2s25 | | n.a. |
| T 2 | 21 10 | 10 41 | 2 14 | 19 32 | 3 24 | 20 11 | 2 25 | 22 17 | 1 6 | 22 53 | 0 6 | 14 39 | 2 38 | 7 4 | 0 30 | 16 11 | 1 25 | 19 31 | 16 37 | 17 10 | 16 53 | 2 27 | | n.a. |
| W 3 | 20 58 | 6 4 | 3 20 | 19 47 | 3 13 | 20 24 | 2 20 | 22 7 | 1 6 | 22 55 | 0 6 | 14 40 | 2 38 | 7 4 | 0 30 | 16 12 | 1 25 | 19 32 | 16 38 | 17 9 | 16 54 | 2 29 | | n.a. |
| T 4 | 20 45 | 1 7 | 4 15 | 20 3 | 3 1 | 20 37 | 2 16 | 21 58 | 1 6 | 22 56 | 0 6 | 14 42 | 2 38 | 7 4 | 0 30 | 16 12 | 1 25 | 19 33 | 16 38 | 17 9 | 16 55 | 2 31 | | n.a. |
| F 5 | 20 33 | 3n52 | 4 53 | 20 19 | 2 49 | 20 49 | 2 11 | 21 48 | 1 5 | 22 58 | 0 7 | 14 43 | 2 38 | 7 4 | 0 30 | 16 12 | 1 25 | 19 34 | 16 39 | 17 9 | 16 56 | 2 34 | | n.a. |
| S 6 | 20 20 | 8 37 | 5 13 | 20 35 | 2 36 | 21 1 | 2 7 | 21 38 | 1 5 | 23 0 | 0 7 | 14 45 | 2 39 | 7 4 | 0 30 | 16 12 | 1 25 | 19 34 | 16 39 | 17 9 | 16 57 | 2 36 | | n.a. |
| S 7 | 20 6 | 12 53 | 5 15 | 20 51 | 2 22 | 21 12 | 2 2 | 21 27 | 1 5 | 23 1 | 0 7 | 14 46 | 2 39 | 7 4 | 0 30 | 16 13 | 1 25 | 19 35 | 16 39 | 17 9 | 16 58 | 2 38 | | n.a. |
| M 8 | 19 52 | 16 23 | 4 57 | 21 6 | 2 8 | 21 23 | 1 58 | 21 17 | 1 5 | 23 3 | 0 7 | 14 48 | 2 39 | 7 4 | 0 30 | 16 13 | 1 25 | 19 36 | 16 40 | 17 9 | 16 59 | 2 40 | | n.a. |
| T 9 | 19 38 | 18 55 | 4 23 | 21 21 | 1 54 | 21 33 | 1 53 | 21 6 | 1 5 | 23 4 | 0 7 | 14 49 | 2 39 | 7 4 | 0 30 | 16 13 | 1 25 | 19 37 | 16 40 | 17 10 | 17 0 | 2 43 | | n.a. |
| W10 | 19 24 | 20 21 | 3 34 | 21 35 | 1 40 | 21 43 | 1 48 | 20 55 | 1 5 | 23 6 | 0 7 | 14 51 | 2 39 | 7 4 | 0 30 | 16 13 | 1 25 | 19 37 | 16 40 | 17 10 | 17 1 | 2 45 | | n.a. |
| T 11 | 19 9 | 20 35 | 2 34 | 21 49 | 1 26 | 21 53 | 1 44 | 20 44 | 1 5 | 23 7 | 0 7 | 14 53 | 2 39 | 7 4 | 0 30 | 16 14 | 1 25 | 19 38 | 16 41 | 17 10 | 17 2 | 2 47 | | n.a. |
| F 12 | 18 54 | 19 41 | 1 27 | 22 2 | 1 12 | 22 1 | 1 39 | 20 33 | 1 5 | 23 9 | 0 8 | 14 54 | 2 40 | 7 4 | 0 30 | 16 14 | 1 25 | 19 39 | 16 41 | 17 10 | 17 3 | 2 49 | | n.a. |
| S 13 | 18 39 | 17 45 | 0 16 | 22 14 | 0 58 | 22 10 | 1 35 | 20 22 | 1 4 | 23 10 | 0 8 | 14 56 | 2 40 | 7 4 | 0 30 | 16 14 | 1 25 | 19 40 | 16 42 | 17 10 | 17 4 | 2 52 | | n.a. |
| S 14 | 18 23 | 14 58 | 0n54 | 22 25 | 0 45 | 22 18 | 1 30 | 20 10 | 1 4 | 23 12 | 0 8 | 14 57 | 2 40 | 7 4 | 0 30 | 16 14 | 1 25 | 19 40 | 16 42 | 17 10 | 17 4 | 2 54 | | n.a. |
| M15 | 18 7 | 11 33 | 2 0 | 22 35 | 0 32 | 22 25 | 1 26 | 19 58 | 1 4 | 23 13 | 0 8 | 14 59 | 2 40 | 7 4 | 0 30 | 16 14 | 1 25 | 19 41 | 16 42 | 17 10 | 17 5 | 2 56 | | n.a. |
| T 16 | 17 51 | 7 42 | 3 0 | 22 45 | 0 19 | 22 31 | 1 21 | 19 46 | 1 4 | 23 14 | 0 8 | 15 0 | 2 40 | 7 4 | 0 30 | 16 14 | 1 25 | 19 42 | 16 43 | 17 10 | 17 6 | 2 58 | | n.a. |
| W17 | 17 34 | 3 36 | 3 50 | 22 53 | 0 6 | 22 37 | 1 16 | 19 34 | 1 4 | 23 16 | 0 8 | 15 2 | 2 40 | 7 4 | 0 30 | 16 15 | 1 25 | 19 43 | 16 43 | 17 10 | 17 7 | 3 0 | | n.a. |
| T 18 | 17 17 | 0s35 | 4 31 | 23 1 | 0s 6 | 22 43 | 1 12 | 19 21 | 1 3 | 23 17 | 0 8 | 15 4 | 2 40 | 7 3 | 0 30 | 16 15 | 1 25 | 19 44 | 16 43 | 17 10 | 17 8 | 3 3 | | n.a. |
| F 19 | 17 0 | 4 43 | 4 59 | 23 7 | 0 17 | 22 48 | 1 7 | 19 9 | 1 3 | 23 18 | 0 9 | 15 5 | 2 40 | 7 3 | 0 30 | 16 15 | 1 25 | 19 44 | 16 44 | 17 10 | 17 9 | 3 5 | | n.a. |
| S 20 | 16 43 | 8 40 | 5 14 | 23 12 | 0 28 | 22 52 | 1 3 | 18 56 | 1 3 | 23 20 | 0 9 | 15 7 | 2 41 | 7 3 | 0 31 | 16 15 | 1 25 | 19 45 | 16 44 | 17 10 | 17 10 | 3 7 | | n.a. |
| S 21 | 16 25 | 12 19 | 5 16 | 23 16 | 0 39 | 22 56 | 0 58 | 18 43 | 1 3 | 23 21 | 0 9 | 15 9 | 2 41 | 7 3 | 0 31 | 16 15 | 1 26 | 19 46 | 16 44 | 17 10 | 17 11 | 3 9 | | n.a. |
| M22 | 16 7 | 15 30 | 5 5 | 23 19 | 0 49 | 22 59 | 0 54 | 18 30 | 1 3 | 23 22 | 0 9 | 15 10 | 2 41 | 7 2 | 0 31 | 16 15 | 1 26 | 19 47 | 16 44 | 17 10 | 17 12 | 3 12 | | n.a. |
| T 23 | 15 49 | 18 4 | 4 39 | 23 20 | 0 59 | 23 1 | 0 50 | 18 16 | 1 2 | 23 23 | 0 9 | 15 12 | 2 41 | 7 2 | 0 31 | 16 15 | 1 26 | 19 48 | 16 45 | 17 10 | 17 13 | 3 14 | | n.a. |
| W24 | 15 30 | 19 50 | 3 59 | 23 20 | 1 8 | 23 3 | 0 45 | 18 3 | 1 2 | 23 24 | 0 9 | 15 14 | 2 41 | 7 2 | 0 31 | 16 15 | 1 26 | 19 48 | 16 45 | 17 10 | 17 14 | 3 16 | | n.a. |
| T 25 | 15 12 | 20 37 | 3 6 | 23 19 | 1 16 | 23 4 | 0 41 | 17 49 | 1 2 | 23 25 | 0 9 | 15 15 | 2 41 | 7 1 | 0 31 | 16 15 | 1 26 | 19 49 | 16 45 | 17 10 | 17 15 | 3 18 | | n.a. |
| F 26 | 14 53 | 20 16 | 2 1 | 23 16 | 1 25 | 23 5 | 0 37 | 17 36 | 1 2 | 23 27 | 0 10 | 15 17 | 2 41 | 7 1 | 0 31 | 16 15 | 1 26 | 19 50 | 16 45 | 17 10 | 17 16 | 3 21 | | n.a. |
| S 27 | 14 34 | 18 42 | 0 48 | 23 12 | 1 32 | 23 5 | 0 32 | 17 22 | 1 2 | 23 28 | 0 10 | 15 19 | 2 41 | 7 1 | 0 31 | 16 15 | 1 26 | 19 51 | 16 46 | 17 10 | 17 17 | 3 23 | | n.a. |
| S 28 | 14s14 | 15s58 | 0s31 | 23s 6 | 1s39 | 23s 4 | 0n28 | 17s 8 | 1s 1 | 23s29 | 0s10 | 15n20 | 2n41 | 7s 0 | 0n31 | 16s15 | 1n26 | 19n52 | 16n46 | 17n10 | 17n17 | 3s25 | | n.a. |

Julian Day Number = 1003372.5, Delta T = 12h48m32s
Ecliptic obliquity = 23°55'08, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'42, Lahiri = -31°03'41 Julian Calendar 1 Feb. 1966 BCE == Greg. Calendar 15 Jan. 1966 BCE


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## MARCH 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 26 33 | 23♒37'45 | 3♓14 | 26♉35 | 11♉ 7 | 17♒25 | 17♐38 | 26°R45 | 18°R42 | 18♏20 | 18°R41 | 13°R18 | 12♌48 | 19♎37 | n.a. | M 1 |
| T 2 | 9 30 30 | 24°36'15 | 17°51 | 27°48 | 12°15 | 18°10 | 17°47 | 26♌40 | 18♎41 | 18°20 | 18♍39 | 13♌17 | 12°45 | 19°44 | n.a. | T 2 |
| W 3 | 9 34 26 | 25°34'43 | 2♈33 | 29° 4 | 13°23 | 18°55 | 17°57 | 26°36 | 18°40 | 18°21 | 18°38 | 13°16 | 12°42 | 19°50 | n.a. | W 3 |
| T 4 | 9 38 23 | 26°33'09 | 17°13 | 0♒21 | 14°32 | 19°40 | 18° 6 | 26°31 | 18°39 | 18°21 | 18°36 | 13°14 | 12°39 | 19°57 | n.a. | T 4 |
| F 5 | 9 42 20 | 27°31'33 | 1♉46 | 1°40 | 15°40 | 20°24 | 18°15 | 26°27 | 18°37 | 18°21 | 18°35 | 13°13 | 12°36 | 20° 4 | n.a. | F 5 |
| S 6 | 9 46 16 | 28°29'54 | 16° 7 | 3° 2 | 16°49 | 21° 9 | 18°23 | 26°22 | 18°36 | 18°21 | 18°33 | 13°12 | 12°32 | 20°11 | n.a. | S 6 |
| S 7 | 9 50 13 | 29°28'13 | 0♊13 | 4°25 | 17°58 | 21°54 | 18°32 | 26°18 | 18°35 | 18°21 | 18°32 | 13°D12 | 12°29 | 20°17 | n.a. | S 7 |
| M 8 | 9 54 9 | 0♓26'30 | 14° 2 | 5°51 | 19° 6 | 22°39 | 18°41 | 26°13 | 18°34 | 18°R21 | 18°30 | 13°12 | 12°26 | 20°24 | n.a. | M 8 |
| T 9 | 9 58 6 | 1°24'44 | 27°34 | 7°18 | 20°15 | 23°23 | 18°49 | 26° 9 | 18°32 | 18°21 | 18°28 | 13°13 | 12°23 | 20°31 | n.a. | T 9 |
| W10 | 10 2 2 | 2°22'57 | 10♋51 | 8°47 | 21°24 | 24° 8 | 18°58 | 26° 4 | 18°31 | 18°21 | 18°27 | 13°14 | 12°20 | 20°37 | n.a. | W10 |
| T 11 | 10 5 59 | 3°21'07 | 23°52 | 10°18 | 22°33 | 24°52 | 19° 6 | 26° 0 | 18°29 | 18°21 | 18°25 | 13°16 | 12°16 | 20°44 | n.a. | T 11 |
| F 12 | 10 9 55 | 4°19'15 | 6♌40 | 11°51 | 23°42 | 25°37 | 19°14 | 25°55 | 18°28 | 18°21 | 18°24 | 13°17 | 12°13 | 20°51 | n.a. | F 12 |
| S 13 | 10 13 52 | 5°17'21 | 19°16 | 13°25 | 24°51 | 26°21 | 19°22 | 25°51 | 18°26 | 18°20 | 18°22 | 13°R17 | 12°10 | 20°58 | n.a. | S 13 |
| S 14 | 10 17 48 | 6°15'25 | 1♍40 | 15° 2 | 26° 1 | 27° 6 | 19°30 | 25°46 | 18°25 | 18°20 | 18°20 | 13°16 | 12° 7 | 21° 4 | n.a. | S 14 |
| M15 | 10 21 45 | 7°13'27 | 13°55 | 16°40 | 27°10 | 27°50 | 19°37 | 25°42 | 18°23 | 18°20 | 18°19 | 13°13 | 12° 4 | 21°11 | n.a. | M15 |
| T 16 | 10 25 42 | 8°11'27 | 26° 2 | 18°20 | 28°19 | 28°34 | 19°45 | 25°38 | 18°21 | 18°20 | 18°17 | 13°10 | 12° 1 | 21°18 | n.a. | T 16 |
| W17 | 10 29 38 | 9° 9'26 | 8♎ 1 | 20° 2 | 29°29 | 29°18 | 19°52 | 25°33 | 18°20 | 18°19 | 18°15 | 13° 6 | 11°57 | 21°24 | n.a. | W17 |
| T 18 | 10 33 35 | 10° 7'23 | 19°56 | 21°46 | 0♒38 | 0♓ 3 | 19°59 | 25°29 | 18°18 | 18°19 | 18°14 | 13° 1 | 11°54 | 21°31 | n.a. | T 18 |
| F 19 | 10 37 31 | 11° 5'18 | 1♏48 | 23°31 | 1°48 | 0°47 | 20° 6 | 25°25 | 18°16 | 18°19 | 18°12 | 12°57 | 11°51 | 21°38 | n.a. | F 19 |
| S 20 | 10 41 28 | 12° 3'12 | 13°41 | 25°19 | 2°58 | 1°31 | 20°13 | 25°20 | 18°15 | 18°18 | 18°10 | 12°53 | 11°48 | 21°45 | n.a. | S 20 |
| S 21 | 10 45 24 | 13° 1'04 | 25°38 | 27° 8 | 4° 7 | 2°15 | 20°20 | 25°16 | 18°13 | 18°18 | 18° 9 | 12°50 | 11°45 | 21°51 | n.a. | S 21 |
| M22 | 10 49 21 | 13°58'55 | 7♐44 | 28°59 | 5°17 | 2°59 | 20°27 | 25°12 | 18°11 | 18°18 | 18° 7 | 12°49 | 11°41 | 21°58 | n.a. | M22 |
| T 23 | 10 53 17 | 14°56'44 | 20° 2 | 0♓52 | 6°27 | 3°43 | 20°33 | 25° 8 | 18° 9 | 18°17 | 18° 5 | 12°D49 | 11°38 | 22° 5 | n.a. | T 23 |
| W24 | 10 57 14 | 15°54'32 | 2♉38 | 2°46 | 7°37 | 4°26 | 20°40 | 25° 4 | 18° 7 | 18°17 | 18° 4 | 12°50 | 11°35 | 22°11 | n.a. | W24 |
| T 25 | 11 1 10 | 16°52'19 | 15°35 | 4°43 | 8°47 | 5°10 | 20°46 | 25° 0 | 18° 5 | 18°16 | 18° 2 | 12°51 | 11°32 | 22°18 | n.a. | T 25 |
| F 26 | 11 5 7 | 17°50'04 | 28°57 | 6°41 | 9°57 | 5°54 | 20°52 | 24°56 | 18° 3 | 18°15 | 18° 0 | 12°53 | 11°29 | 22°25 | n.a. | F 26 |
| S 27 | 11 9 4 | 18°47'48 | 12♒46 | 8°41 | 11° 7 | 6°38 | 20°58 | 24°52 | 18° 1 | 18°15 | 17°59 | 12°R53 | 11°26 | 22°32 | n.a. | S 27 |
| S 28 | 11 13 0 | 19°45'31 | 27° 2 | 10°42 | 12°17 | 7°21 | 21° 3 | 24°48 | 17°59 | 18°14 | 17°57 | 12°53 | 11°22 | 22°38 | n.a. | S 28 |
| M29 | 11 16 57 | 20°43'12 | 11♓40 | 12°45 | 13°27 | 8° 5 | 21° 9 | 24°44 | 17°57 | 18°14 | 17°55 | 12°50 | 11°19 | 22°45 | n.a. | M29 |
| T 30 | 11 20 53 | 21°40'52 | 26°36 | 14°50 | 14°38 | 8°48 | 21°14 | 24°40 | 17°55 | 18°13 | 17°54 | 12°46 | 11°16 | 22°52 | n.a. | T 30 |
| W31 | 11 24 50 | 22♓38'30 | 11♈41 | 16♓56 | 15♒48 | 9♓32 | 21♐20 | 24♌36 | 17♎53 | 18♏12 | 17♍52 | 12♌41 | 11♌13 | 22♎58 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 13s55 | 12s12 | 1s48 | 22s59 | 1s46 | 23s 3 | 0n24 | 16s53 | 1s 1 | 23s30 | 0s10 | 15n22 | 2n41 | 7s 0 | 0n31 | 16s16 | 1n26 | 19n52 | 16n46 | 17n10 | 17n18 | 3s27 | | | n.a. |
| T 2 | 13 35 | 7 39 | 3 0 | 22 51 | 1 52 | 23 1 | 0 20 | 16 39 | 1 1 | 23 31 | 0 10 | 15 23 | 2 41 | 6 59 | 0 31 | 16 16 | 1 26 | 19 53 | 16 46 | 17 10 | 17 19 | 3 29 | | | n.a. |
| W 3 | 13 15 | 2 38 | 4 0 | 22 40 | 1 58 | 22 58 | 0 16 | 16 25 | 1 0 | 23 32 | 0 10 | 15 25 | 2 41 | 6 59 | 0 31 | 16 16 | 1 26 | 19 54 | 16 47 | 17 10 | 17 20 | 3 32 | | | n.a. |
| T 4 | 12 55 | 2n32 | 4 44 | 22 28 | 2 3 | 22 55 | 0 12 | 16 10 | 1 0 | 23 33 | 0 10 | 15 27 | 2 41 | 6 59 | 0 31 | 16 16 | 1 26 | 19 55 | 16 47 | 17 11 | 17 21 | 3 34 | | | n.a. |
| F 5 | 12 34 | 7 29 | 5 10 | 22 15 | 2 7 | 22 51 | 0 8 | 15 55 | 1 0 | 23 34 | 0 11 | 15 28 | 2 41 | 6 58 | 0 31 | 16 16 | 1 26 | 19 56 | 16 47 | 17 11 | 17 22 | 3 36 | | | n.a. |
| S 6 | 12 14 | 11 57 | 5 16 | 22 0 | 2 11 | 22 46 | 0 4 | 15 40 | 1 0 | 23 35 | 0 11 | 15 30 | 2 42 | 6 58 | 0 31 | 16 16 | 1 26 | 19 56 | 16 47 | 17 11 | 17 23 | 3 38 | | | n.a. |
| S 7 | 11 53 | 15 41 | 5 2 | 21 43 | 2 15 | 22 41 | 0s 0 | 15 25 | 0 59 | 23 36 | 0 11 | 15 32 | 2 42 | 6 57 | 0 31 | 16 15 | 1 26 | 19 57 | 16 47 | 17 12 | 17 24 | 3 41 | | | n.a. |
| M 8 | 11 32 | 18 27 | 4 32 | 21 24 | 2 18 | 22 35 | 0 4 | 15 10 | 0 59 | 23 37 | 0 11 | 15 33 | 2 42 | 6 57 | 0 31 | 16 15 | 1 26 | 19 58 | 16 47 | 17 11 | 17 25 | 3 43 | | | n.a. |
| T 9 | 11 11 | 20 8 | 3 46 | 21 4 | 2 20 | 22 29 | 0 8 | 14 55 | 0 59 | 23 38 | 0 11 | 15 35 | 2 42 | 6 56 | 0 31 | 16 15 | 1 26 | 19 59 | 16 48 | 17 11 | 17 26 | 3 45 | | | n.a. |
| W10 | 10 50 | 20 39 | 2 50 | 20 42 | 2 22 | 22 22 | 0 11 | 14 40 | 0 58 | 23 38 | 0 11 | 15 36 | 2 42 | 6 55 | 0 31 | 16 15 | 1 26 | 19 59 | 16 48 | 17 11 | 17 27 | 3 47 | | | n.a. |
| T 11 | 10 29 | 20 2 | 1 45 | 20 18 | 2 23 | 22 14 | 0 15 | 14 24 | 0 58 | 23 39 | 0 12 | 15 38 | 2 42 | 6 55 | 0 31 | 16 15 | 1 26 | 20 0 | 16 48 | 17 10 | 17 27 | 3 50 | | | n.a. |
| F 12 | 10 7 | 18 24 | 0 36 | 19 53 | 2 24 | 22 6 | 0 19 | 14 9 | 0 58 | 23 40 | 0 12 | 15 40 | 2 42 | 6 54 | 0 31 | 16 15 | 1 26 | 20 1 | 16 48 | 17 10 | 17 28 | 3 52 | | | n.a. |
| S 13 | 9 45 | 15 52 | 0n33 | 19 25 | 2 24 | 21 57 | 0 22 | 13 53 | 0 58 | 23 41 | 0 12 | 15 41 | 2 42 | 6 54 | 0 31 | 16 15 | 1 26 | 20 2 | 16 48 | 17 10 | 17 29 | 3 54 | | | n.a. |
| S 14 | 9 24 | 12 38 | 1 40 | 18 56 | 2 24 | 21 47 | 0 26 | 13 37 | 0 57 | 23 42 | 0 12 | 15 43 | 2 42 | 6 53 | 0 31 | 16 15 | 1 26 | 20 2 | 16 48 | 17 10 | 17 30 | 3 56 | | | n.a. |
| M15 | 9 2 | 8 55 | 2 41 | 18 25 | 2 23 | 21 37 | 0 29 | 13 21 | 0 57 | 23 42 | 0 12 | 15 44 | 2 42 | 6 52 | 0 31 | 16 15 | 1 26 | 20 3 | 16 48 | 17 11 | 17 31 | 3 59 | | | n.a. |
| T 16 | 8 40 | 4 52 | 3 34 | 17 53 | 2 22 | 21 26 | 0 32 | 13 5 | 0 57 | 23 43 | 0 12 | 15 46 | 2 42 | 6 52 | 0 31 | 16 15 | 1 26 | 20 4 | 16 48 | 17 12 | 17 32 | 4 1 | | | n.a. |
| W17 | 8 18 | 0 40 | 4 17 | 17 18 | 2 20 | 21 15 | 0 36 | 12 49 | 0 56 | 23 44 | 0 13 | 15 47 | 2 42 | 6 51 | 0 31 | 16 15 | 1 26 | 20 5 | 16 48 | 17 13 | 17 33 | 4 3 | | | n.a. |
| T 18 | 7 55 | 3s31 | 4 48 | 16 41 | 2 17 | 21 3 | 0 39 | 12 33 | 0 56 | 23 45 | 0 13 | 15 49 | 2 41 | 6 50 | 0 31 | 16 15 | 1 26 | 20 5 | 16 48 | 17 15 | 17 34 | 4 5 | | | n.a. |
| F 19 | 7 33 | 7 33 | 5 7 | 16 3 | 2 14 | 20 50 | 0 42 | 12 17 | 0 56 | 23 45 | 0 13 | 15 50 | 2 41 | 6 50 | 0 31 | 16 14 | 1 27 | 20 6 | 16 48 | 17 16 | 17 35 | 4 8 | | | n.a. |
| S 20 | 7 11 | 11 18 | 5 13 | 15 23 | 2 10 | 20 37 | 0 45 | 12 0 | 0 55 | 23 46 | 0 13 | 15 51 | 2 41 | 6 49 | 0 31 | 16 14 | 1 27 | 20 7 | 16 48 | 17 17 | 17 36 | 4 10 | | | n.a. |
| S 21 | 6 48 | 14 37 | 5 5 | 14 41 | 2 6 | 20 23 | 0 48 | 11 44 | 0 55 | 23 47 | 0 13 | 15 53 | 2 41 | 6 48 | 0 31 | 16 14 | 1 27 | 20 7 | 16 48 | 17 18 | 17 37 | 4 12 | | | n.a. |
| M22 | 6 25 | 17 22 | 4 44 | 13 57 | 2 1 | 20 9 | 0 51 | 11 28 | 0 54 | 23 47 | 0 14 | 15 54 | 2 41 | 6 48 | 0 31 | 16 14 | 1 27 | 20 8 | 16 48 | 17 18 | 17 37 | 4 14 | | | n.a. |
| T 23 | 6 3 | 19 24 | 4 9 | 13 12 | 1 56 | 19 54 | 0 54 | 11 11 | 0 54 | 23 48 | 0 14 | 15 56 | 2 41 | 6 47 | 0 31 | 16 14 | 1 27 | 20 9 | 16 48 | 17 18 | 17 38 | 4 17 | | | n.a. |
| W24 | 5 40 | 20 31 | 3 22 | 12 24 | 1 50 | 19 39 | 0 57 | 10 54 | 0 54 | 23 49 | 0 14 | 15 57 | 2 41 | 6 46 | 0 31 | 16 14 | 1 27 | 20 10 | 16 48 | 17 18 | 17 39 | 4 19 | | | n.a. |
| T 25 | 5 17 | 20 37 | 2 24 | 11 35 | 1 44 | 19 23 | 0 59 | 10 38 | 0 53 | 23 49 | 0 14 | 15 58 | 2 41 | 6 45 | 0 31 | 16 14 | 1 27 | 20 10 | 16 48 | 17 17 | 17 40 | 4 21 | | | n.a. |
| F 26 | 4 54 | 19 33 | 1 15 | 10 44 | 1 37 | 19 6 | 1 2 | 10 21 | 0 53 | 23 50 | 0 14 | 16 0 | 2 41 | 6 45 | 0 31 | 16 13 | 1 27 | 20 11 | 16 48 | 17 17 | 17 41 | 4 23 | | | n.a. |
| S 27 | 4 31 | 17 18 | 0 1 | 9 52 | 1 30 | 18 49 | 1 5 | 10 4 | 0 53 | 23 51 | 0 14 | 16 1 | 2 41 | 6 44 | 0 31 | 16 13 | 1 27 | 20 11 | 16 48 | 17 17 | 17 42 | 4 26 | | | n.a. |
| S 28 | 4 8 | 13 56 | 1s16 | 8 57 | 1 22 | 18 32 | 1 7 | 9 47 | 0 52 | 23 51 | 0 15 | 16 2 | 2 41 | 6 43 | 0 31 | 16 13 | 1 27 | 20 12 | 16 48 | 17 17 | 17 43 | 4 28 | | | n.a. |
| M29 | 3 45 | 9 38 | 2 30 | 8 2 | 1 13 | 18 13 | 1 10 | 9 30 | 0 52 | 23 52 | 0 15 | 16 3 | 2 41 | 6 42 | 0 31 | 16 13 | 1 27 | 20 13 | 16 48 | 17 18 | 17 44 | 4 30 | | | n.a. |
| T 30 | 3 22 | 4 39 | 3 35 | 7 5 | 1 5 | 17 55 | 1 12 | 9 13 | 0 51 | 23 52 | 0 15 | 16 5 | 2 41 | 6 41 | 0 31 | 16 12 | 1 27 | 20 13 | 16 48 | 17 19 | 17 45 | 4 32 | | | n.a. |
| W31 | 2s59 | 0n39 | 4s26 | 6s 6 | 0s55 | 17s36 | 1s14 | 8s56 | 0s51 | 23s53 | 0s15 | 16n 6 | 2n41 | 6s40 | 0n31 | 16s12 | 1n27 | 20n14 | 16n48 | 17n21 | 17n45 | 4s35 | | | n.a. |

Julian Day Number = 1003400.5, Delta T = 12h48m30s
Ecliptic obliquity = 23°55'08, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'38, Lahiri = -31°03'37 Julian Calendar 1 March 1966 BCE == Greg. Calendar 12 Feb. 1966 BCE


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## APRIL 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 28 46 | 23♓36'06 | 26♈45 | 19♓ 4 | 16♒58 | 10♓15 | 21♐25 | 24°R33 | 17°R51 | 18°R11 | 17°R50 | 12°R35 | 11♌10 | 23♎ 5 | n.a. | T 1 |
| F 2 | 11 32 43 | 24°33'42 | 11♉40 | 21°12 | 18° 9 | 10°59 | 21°30 | 24♌29 | 17♎48 | 18♏11 | 17♍49 | 12♌29 | 11° 7 | 23°12 | n.a. | F 2 |
| S 3 | 11 36 39 | 25°31'15 | 26°17 | 23°22 | 19°19 | 11°42 | 21°34 | 24°25 | 17°46 | 18°10 | 17°47 | 12°24 | 11° 3 | 23°19 | n.a. | S 3 |
| S 4 | 11 40 36 | 26°28'47 | 10♊31 | 25°32 | 20°30 | 12°25 | 21°39 | 24°22 | 17°44 | 18° 9 | 17°45 | 12°22 | 11° 0 | 23°25 | n.a. | S 4 |
| M 5 | 11 44 33 | 27°26'17 | 24°22 | 27°43 | 21°40 | 13° 8 | 21°43 | 24°18 | 17°42 | 18° 8 | 17°44 | 12°D20 | 10°57 | 23°32 | n.a. | M 5 |
| T 6 | 11 48 29 | 28°23'46 | 7♋49 | 29°54 | 22°51 | 13°52 | 21°47 | 24°15 | 17°39 | 18° 7 | 17°42 | 12°21 | 10°54 | 23°39 | n.a. | T 6 |
| W 7 | 11 52 26 | 29°21'13 | 20°55 | 2♈ 5 | 24° 1 | 14°35 | 21°51 | 24°12 | 17°37 | 18° 6 | 17°40 | 12°22 | 10°51 | 23°45 | n.a. | W 7 |
| T 8 | 11 56 22 | 0♈18'38 | 3♌42 | 4°15 | 25°12 | 15°18 | 21°55 | 24° 9 | 17°35 | 18° 6 | 17°39 | 12°23 | 10°47 | 23°52 | n.a. | T 8 |
| F 9 | 12 0 19 | 1°16'02 | 16°14 | 6°26 | 26°23 | 16° 1 | 21°59 | 24° 5 | 17°32 | 18° 5 | 17°37 | 12°R23 | 10°44 | 23°59 | n.a. | F 9 |
| S 10 | 12 4 15 | 2°13'25 | 28°34 | 8°35 | 27°33 | 16°44 | 22° 2 | 24° 2 | 17°30 | 18° 4 | 17°35 | 12°22 | 10°41 | 24° 6 | n.a. | S 10 |
| S 11 | 12 8 12 | 3°10'46 | 10♍45 | 10°43 | 28°44 | 17°26 | 22° 6 | 23°59 | 17°28 | 18° 3 | 17°34 | 12°18 | 10°38 | 24°12 | n.a. | S 11 |
| M12 | 12 12 8 | 4° 8'06 | 22°48 | 12°50 | 29°55 | 18° 9 | 22° 9 | 23°56 | 17°25 | 18° 2 | 17°32 | 12°12 | 10°35 | 24°19 | n.a. | M12 |
| T 13 | 12 16 5 | 5° 5'25 | 4♎47 | 14°56 | 1♓ 6 | 18°52 | 22°12 | 23°54 | 17°23 | 18° 0 | 17°31 | 12° 4 | 10°32 | 24°26 | n.a. | T 13 |
| W14 | 12 20 2 | 6° 2'42 | 16°42 | 16°59 | 2°17 | 19°35 | 22°15 | 23°51 | 17°21 | 17°59 | 17°29 | 11°55 | 10°28 | 24°32 | n.a. | W14 |
| T 15 | 12 23 58 | 6°59'59 | 28°34 | 19° 1 | 3°28 | 20°17 | 22°17 | 23°48 | 17°18 | 17°58 | 17°27 | 11°45 | 10°25 | 24°39 | n.a. | T 15 |
| F 16 | 12 27 55 | 7°57'15 | 10♏27 | 21° 1 | 4°39 | 21° 0 | 22°20 | 23°45 | 17°16 | 17°57 | 17°26 | 11°34 | 10°22 | 24°46 | n.a. | F 16 |
| S 17 | 12 31 51 | 8°54'30 | 22°21 | 22°58 | 5°50 | 21°42 | 22°22 | 23°43 | 17°13 | 17°56 | 17°24 | 11°25 | 10°19 | 24°53 | n.a. | S 17 |
| S 18 | 12 35 48 | 9°51'44 | 4♐19 | 24°53 | 7° 1 | 22°25 | 22°24 | 23°40 | 17°11 | 17°55 | 17°23 | 11°18 | 10°16 | 24°59 | n.a. | S 18 |
| M19 | 12 39 44 | 10°48'58 | 16°25 | 26°46 | 8°12 | 23° 7 | 22°26 | 23°38 | 17° 9 | 17°54 | 17°21 | 11°13 | 10°12 | 25° 6 | n.a. | M19 |
| T 20 | 12 43 41 | 11°46'11 | 28°42 | 28°36 | 9°23 | 23°50 | 22°28 | 23°36 | 17° 6 | 17°52 | 17°20 | 11°10 | 10° 9 | 25°13 | n.a. | T 20 |
| W21 | 12 47 37 | 12°43'23 | 11♑15 | 0♉23 | 10°34 | 24°32 | 22°29 | 23°34 | 17° 4 | 17°51 | 17°18 | 11°D 9 | 10° 6 | 25°20 | n.a. | W21 |
| T 22 | 12 51 34 | 13°40'35 | 24° 7 | 2° 8 | 11°46 | 25°14 | 22°30 | 23°31 | 17° 1 | 17°50 | 17°17 | 11° 9 | 10° 3 | 25°26 | n.a. | T 22 |
| F 23 | 12 55 31 | 14°37'47 | 7♒24 | 3°50 | 12°57 | 25°57 | 22°31 | 23°29 | 16°59 | 17°49 | 17°15 | 11°R10 | 10° 0 | 25°33 | n.a. | F 23 |
| S 24 | 12 59 27 | 15°34'58 | 21° 8 | 5°30 | 14° 8 | 26°39 | 22°32 | 23°27 | 16°56 | 17°47 | 17°14 | 11° 9 | 9°57 | 25°40 | n.a. | S 24 |
| S 25 | 13 3 24 | 16°32'08 | 5♓20 | 7° 7 | 15°20 | 27°21 | 22°33 | 23°26 | 16°54 | 17°46 | 17°12 | 11° 7 | 9°53 | 25°46 | n.a. | S 25 |
| M26 | 13 7 20 | 17°29'18 | 19°59 | 8°41 | 16°31 | 28° 3 | 22°34 | 23°24 | 16°51 | 17°45 | 17°11 | 11° 3 | 9°50 | 25°53 | n.a. | M26 |
| T 27 | 13 11 17 | 18°26'27 | 5♈ 0 | 10°13 | 17°43 | 28°45 | 22°34 | 23°22 | 16°49 | 17°43 | 17°10 | 10°56 | 9°47 | 26° 0 | n.a. | T 27 |
| W28 | 13 15 13 | 19°23'36 | 20°15 | 11°41 | 18°54 | 29°27 | 22°R34 | 23°21 | 16°46 | 17°42 | 17° 8 | 10°47 | 9°44 | 26° 7 | n.a. | W28 |
| T 29 | 13 19 10 | 20°20'44 | 5♉33 | 13° 7 | 20° 6 | 0♈ 9 | 22°34 | 23°19 | 16°44 | 17°41 | 17° 7 | 10°37 | 9°41 | 26°13 | n.a. | T 29 |
| F 30 | 13 23 6 | 21♈17'52 | 20♉42 | 14♉30 | 21♓17 | 0♈51 | 22♐34 | 23♌18 | 16♎41 | 17♏39 | 17♍ 6 | 10♌28 | 9♌38 | 26♎20 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s35 | 5n54 | 4s58 | 5s 7 | 0s46 | 17s16 | 1s16 | 8s39 | 0s51 | 23s53 | 0s15 | 16n 7 | 2n40 | 6s40 | 0n31 | 16s12 | 1n27 | 20n15 | 16n48 | 17n22 | 17n46 | 4s37 | | n.a. |
| F 2 | 2 12 | 10 44 | 5 9 | 4 6 | 0 36 | 16 56 | 1 18 | 8 22 | 0 50 | 23 54 | 0 16 | 16 8 | 2 40 | 6 39 | 0 31 | 16 12 | 1 27 | 20 15 | 16 48 | 17 24 | 17 47 | 4 39 | | n.a. |
| S 3 | 1 49 | 14 50 | 5 1 | 3 5 | 0 26 | 16 36 | 1 20 | 8 5 | 0 50 | 23 54 | 0 16 | 16 9 | 2 40 | 6 38 | 0 31 | 16 12 | 1 27 | 20 16 | 16 48 | 17 25 | 17 48 | 4 41 | | n.a. |
| S 4 | 1 26 | 17 58 | 4 33 | 2 3 | 0 15 | 16 15 | 1 22 | 7 48 | 0 49 | 23 55 | 0 16 | 16 10 | 2 40 | 6 37 | 0 31 | 16 11 | 1 27 | 20 16 | 16 48 | 17 26 | 17 49 | 4 44 | | n.a. |
| M 5 | 1 2 | 19 58 | 3 50 | 1 0 | 0 5 | 15 53 | 1 24 | 7 30 | 0 49 | 23 55 | 0 16 | 16 11 | 2 40 | 6 36 | 0 31 | 16 11 | 1 27 | 20 17 | 16 48 | 17 26 | 17 50 | 4 46 | | n.a. |
| T 6 | 0 39 | 20 45 | 2 56 | 0n 3 | 0n 6 | 15 32 | 1 26 | 7 13 | 0 49 | 23 56 | 0 16 | 16 12 | 2 40 | 6 35 | 0 31 | 16 11 | 1 27 | 20 17 | 16 47 | 17 26 | 17 51 | 4 48 | | n.a. |
| W 7 | 0 16 | 20 23 | 1 53 | 1 5 | 0 16 | 15 9 | 1 28 | 6 56 | 0 48 | 23 56 | 0 16 | 16 13 | 2 40 | 6 34 | 0 31 | 16 10 | 1 27 | 20 18 | 16 47 | 17 26 | 17 52 | 4 50 | | n.a. |
| T 8 | 0n 8 | 18 57 | 0 47 | 2 8 | 0 27 | 14 47 | 1 29 | 6 38 | 0 48 | 23 57 | 0 17 | 16 14 | 2 40 | 6 34 | 0 31 | 16 10 | 1 27 | 20 18 | 16 47 | 17 26 | 17 53 | 4 53 | | n.a. |
| F 9 | 0 31 | 16 37 | 0n21 | 3 10 | 0 37 | 14 24 | 1 31 | 6 21 | 0 47 | 23 57 | 0 17 | 16 15 | 2 40 | 6 33 | 0 31 | 16 10 | 1 27 | 20 19 | 16 47 | 17 26 | 17 53 | 4 55 | | n.a. |
| S 10 | 0 54 | 13 33 | 1 26 | 4 11 | 0 47 | 14 0 | 1 32 | 6 3 | 0 47 | 23 58 | 0 17 | 16 16 | 2 39 | 6 32 | 0 31 | 16 10 | 1 27 | 20 19 | 16 47 | 17 26 | 17 54 | 4 57 | | n.a. |
| S 11 | 1 17 | 9 56 | 2 27 | 5 12 | 0 57 | 13 36 | 1 34 | 5 46 | 0 46 | 23 58 | 0 17 | 16 17 | 2 39 | 6 31 | 0 31 | 16 9 | 1 27 | 20 20 | 16 47 | 17 27 | 17 55 | 4 59 | | n.a. |
| M12 | 1 41 | 5 57 | 3 20 | 6 11 | 1 7 | 13 12 | 1 35 | 5 29 | 0 46 | 23 58 | 0 17 | 16 18 | 2 39 | 6 30 | 0 31 | 16 9 | 1 27 | 20 20 | 16 46 | 17 29 | 17 56 | 5 2 | | n.a. |
| T 13 | 2 4 | 1 46 | 4 3 | 7 9 | 1 16 | 12 48 | 1 36 | 5 11 | 0 45 | 23 59 | 0 18 | 16 19 | 2 39 | 6 29 | 0 31 | 16 9 | 1 27 | 20 21 | 16 46 | 17 31 | 17 57 | 5 4 | | n.a. |
| W14 | 2 27 | 2s27 | 4 36 | 8 6 | 1 24 | 12 23 | 1 37 | 4 54 | 0 45 | 23 59 | 0 18 | 16 20 | 2 39 | 6 28 | 0 31 | 16 8 | 1 27 | 20 21 | 16 46 | 17 34 | 17 58 | 5 6 | | n.a. |
| T 15 | 2 50 | 6 34 | 4 57 | 9 1 | 1 32 | 11 57 | 1 38 | 4 36 | 0 44 | 23 59 | 0 18 | 16 20 | 2 39 | 6 27 | 0 31 | 16 8 | 1 27 | 20 22 | 16 46 | 17 37 | 17 59 | 5 8 | | n.a. |
| F 16 | 3 13 | 10 26 | 5 5 | 9 54 | 1 40 | 11 32 | 1 39 | 4 19 | 0 44 | 24 0 | 0 18 | 16 21 | 2 38 | 6 26 | 0 31 | 16 8 | 1 27 | 20 22 | 16 46 | 17 39 | 18 0 | 5 11 | | n.a. |
| S 17 | 3 36 | 13 54 | 4 59 | 10 45 | 1 47 | 11 6 | 1 40 | 4 1 | 0 44 | 24 0 | 0 18 | 16 22 | 2 38 | 6 25 | 0 31 | 16 7 | 1 27 | 20 23 | 16 45 | 17 42 | 18 1 | 5 13 | | n.a. |
| S 18 | 3 59 | 16 50 | 4 41 | 11 34 | 1 53 | 10 40 | 1 41 | 3 43 | 0 43 | 24 0 | 0 19 | 16 23 | 2 38 | 6 24 | 0 31 | 16 7 | 1 27 | 20 23 | 16 45 | 17 44 | 18 1 | 5 15 | | n.a. |
| M19 | 4 22 | 19 4 | 4 10 | 12 22 | 1 59 | 10 14 | 1 42 | 3 26 | 0 43 | 24 1 | 0 19 | 16 23 | 2 38 | 6 23 | 0 31 | 16 7 | 1 27 | 20 23 | 16 45 | 17 46 | 18 2 | 5 17 | | n.a. |
| T 20 | 4 45 | 20 28 | 3 26 | 13 7 | 2 4 | 9 47 | 1 42 | 3 8 | 0 42 | 24 1 | 0 19 | 16 24 | 2 38 | 6 22 | 0 31 | 16 6 | 1 27 | 20 24 | 16 44 | 17 46 | 18 3 | 5 20 | | n.a. |
| W21 | 5 7 | 20 54 | 2 33 | 13 50 | 2 8 | 9 20 | 1 43 | 2 51 | 0 42 | 24 1 | 0 19 | 16 24 | 2 38 | 6 21 | 0 31 | 16 6 | 1 27 | 20 24 | 16 44 | 17 47 | 18 4 | 5 22 | | n.a. |
| T 22 | 5 30 | 20 15 | 1 30 | 14 31 | 2 12 | 8 53 | 1 43 | 2 33 | 0 41 | 24 2 | 0 20 | 16 25 | 2 37 | 6 20 | 0 31 | 16 5 | 1 27 | 20 24 | 16 44 | 17 46 | 18 5 | 5 24 | | n.a. |
| F 23 | 5 53 | 18 28 | 0 20 | 15 10 | 2 15 | 8 25 | 1 44 | 2 16 | 0 41 | 24 2 | 0 20 | 16 26 | 2 37 | 6 19 | 0 31 | 16 5 | 1 27 | 20 25 | 16 44 | 17 46 | 18 6 | 5 26 | | n.a. |
| S 24 | 6 15 | 15 34 | 0s53 | 15 46 | 2 17 | 7 57 | 1 44 | 1 58 | 0 40 | 24 2 | 0 20 | 16 26 | 2 37 | 6 19 | 0 31 | 16 5 | 1 28 | 20 25 | 16 43 | 17 46 | 18 7 | 5 29 | | n.a. |
| S 25 | 6 38 | 11 40 | 2 5 | 16 20 | 2 19 | 7 29 | 1 44 | 1 41 | 0 40 | 24 2 | 0 20 | 16 26 | 2 37 | 6 18 | 0 31 | 16 4 | 1 28 | 20 25 | 16 43 | 17 47 | 18 7 | 5 31 | | n.a. |
| M26 | 7 0 | 6 58 | 3 11 | 16 53 | 2 20 | 7 1 | 1 44 | 1 23 | 0 39 | 24 3 | 0 20 | 16 27 | 2 37 | 6 17 | 0 31 | 16 4 | 1 28 | 20 26 | 16 43 | 17 48 | 18 8 | 5 33 | | n.a. |
| T 27 | 7 22 | 1 43 | 4 5 | 17 23 | 2 20 | 6 33 | 1 44 | 1 6 | 0 39 | 24 3 | 0 21 | 16 27 | 2 36 | 6 16 | 0 31 | 16 4 | 1 28 | 20 26 | 16 42 | 17 50 | 18 9 | 5 35 | | n.a. |
| W28 | 7 44 | 3n42 | 4 43 | 17 50 | 2 19 | 6 4 | 1 44 | 0 48 | 0 38 | 24 3 | 0 21 | 16 28 | 2 36 | 6 15 | 0 31 | 16 3 | 1 28 | 20 26 | 16 42 | 17 53 | 18 10 | 5 38 | | n.a. |
| T 29 | 8 6 | 8 55 | 5 1 | 18 16 | 2 18 | 5 36 | 1 44 | 0 31 | 0 38 | 24 3 | 0 21 | 16 28 | 2 36 | 6 14 | 0 31 | 16 3 | 1 28 | 20 26 | 16 42 | 17 55 | 18 11 | 5 40 | | n.a. |
| F 30 | 8n28 | 13n31 | 4s58 | 18n40 | 2n15 | 5s 7 | 1s44 | 0s13 | 0s37 | 24s 4 | 0s21 | 16n28 | 2n36 | 6s13 | 0n31 | 16s 2 | 1n28 | 20n26 | 16n41 | 17n58 | 18n12 | 5s42 | | n.a. |

Julian Day Number = 1003431.5, Delta T = 12h48m28s
Ecliptic obliquity = 23°55'09, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'34, Lahiri = -31°03'33 Julian Calendar 1 Apr. 1966 BCE == Greg. Calendar 15 March 1966 BCE


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## MAY 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 27 3 | 22♈14'59 | 5♊34 | 15♉51 | 22♓29 | 1♈32 | 22°R33 | 23°R16 | 16°R39 | 17°R38 | 17°R 4 | 10°R20 | 9♌34 | 26♎27 | n.a. | S 1 |
| S 2 | 13 31 0 | 23°12'05 | 20° 0 | 17° 8 | 23°40 | 2°14 | 22♐33 | 23♌15 | 16♎37 | 17♏36 | 17♍ 3 | 10♌14 | 9°31 | 26°33 | n.a. | S 2 |
| M 3 | 13 34 56 | 24° 9'11 | 3♋59 | 18°22 | 24°52 | 2°56 | 22°32 | 23°14 | 16°34 | 17°35 | 17° 2 | 10°10 | 9°28 | 26°40 | n.a. | M 3 |
| T 4 | 13 38 53 | 25° 6'16 | 17°29 | 19°34 | 26° 4 | 3°37 | 22°31 | 23°13 | 16°32 | 17°34 | 17° 1 | 10° 9 | 9°25 | 26°47 | n.a. | T 4 |
| W 5 | 13 42 49 | 26° 3'20 | 0♌33 | 20°42 | 27°15 | 4°19 | 22°30 | 23°12 | 16°29 | 17°32 | 16°59 | 10°D 9 | 9°22 | 26°54 | n.a. | W 5 |
| T 6 | 13 46 46 | 27° 0'24 | 13°15 | 21°47 | 28°27 | 5° 1 | 22°29 | 23°11 | 16°27 | 17°31 | 16°58 | 10°R 9 | 9°18 | 27° 0 | n.a. | T 6 |
| F 7 | 13 50 42 | 27°57'27 | 25°40 | 22°50 | 29°39 | 5°42 | 22°27 | 23°10 | 16°24 | 17°29 | 16°57 | 10° 8 | 9°15 | 27° 7 | n.a. | F 7 |
| S 8 | 13 54 39 | 28°54'29 | 7♍52 | 23°48 | 0♈51 | 6°23 | 22°25 | 23°10 | 16°22 | 17°28 | 16°56 | 10° 5 | 9°12 | 27°14 | n.a. | S 8 |
| S 9 | 13 58 36 | 29°51'31 | 19°54 | 24°44 | 2° 3 | 7° 5 | 22°23 | 23° 9 | 16°20 | 17°26 | 16°55 | 10° 0 | 9° 9 | 27°20 | n.a. | S 9 |
| M10 | 14 2 32 | 0♉48'33 | 1♎50 | 25°36 | 3°15 | 7°46 | 22°21 | 23° 9 | 16°17 | 17°25 | 16°54 | 9°52 | 9° 6 | 27°27 | n.a. | M10 |
| T 11 | 14 6 29 | 1°45'34 | 13°44 | 26°24 | 4°27 | 8°27 | 22°19 | 23° 8 | 16°15 | 17°23 | 16°53 | 9°41 | 9° 3 | 27°34 | n.a. | T 11 |
| W12 | 14 10 25 | 2°42'35 | 25°36 | 27° 9 | 5°38 | 9° 8 | 22°16 | 23° 8 | 16°13 | 17°22 | 16°52 | 9°29 | 8°59 | 27°41 | n.a. | W12 |
| T 13 | 14 14 22 | 3°39'36 | 7♏29 | 27°49 | 6°51 | 9°50 | 22°14 | 23° 8 | 16°10 | 17°20 | 16°51 | 9°15 | 8°56 | 27°47 | n.a. | T 13 |
| F 14 | 14 18 18 | 4°36'37 | 19°24 | 28°26 | 8° 3 | 10°31 | 22°11 | 23°D 8 | 16° 8 | 17°18 | 16°50 | 9° 2 | 8°53 | 27°54 | n.a. | F 14 |
| S 15 | 14 22 15 | 5°33'38 | 1♐22 | 28°59 | 9°15 | 11°12 | 22° 8 | 23° 8 | 16° 6 | 17°17 | 16°49 | 8°49 | 8°50 | 28° 1 | n.a. | S 15 |
| S 16 | 14 26 11 | 6°30'39 | 13°26 | 29°28 | 10°27 | 11°53 | 22° 5 | 23° 8 | 16° 3 | 17°15 | 16°48 | 8°39 | 8°47 | 28° 8 | n.a. | S 16 |
| M17 | 14 30 8 | 7°27'41 | 25°36 | 29°52 | 11°39 | 12°34 | 22° 1 | 23° 8 | 16° 1 | 17°14 | 16°47 | 8°32 | 8°44 | 28°14 | n.a. | M17 |
| T 18 | 14 34 5 | 8°24'43 | 7♑57 | 0♊13 | 12°51 | 13°14 | 21°58 | 23° 9 | 15°59 | 17°12 | 16°46 | 8°27 | 8°40 | 28°21 | n.a. | T 18 |
| W19 | 14 38 1 | 9°21'45 | 20°31 | 0°28 | 14° 3 | 13°55 | 21°54 | 23° 9 | 15°57 | 17°10 | 16°45 | 8°25 | 8°37 | 28°28 | n.a. | W19 |
| T 20 | 14 41 58 | 10°18'47 | 3♒23 | 0°39 | 15°16 | 14°36 | 21°50 | 23°10 | 15°55 | 17° 9 | 16°44 | 8°24 | 8°34 | 28°34 | n.a. | T 20 |
| F 21 | 14 45 54 | 11°15'50 | 16°35 | 0°46 | 16°28 | 15°17 | 21°46 | 23°10 | 15°52 | 17° 7 | 16°43 | 8°24 | 8°31 | 28°41 | n.a. | F 21 |
| S 22 | 14 49 51 | 12°12'53 | 0♓12 | 0°R47 | 17°40 | 15°57 | 21°42 | 23°11 | 15°50 | 17° 6 | 16°43 | 8°23 | 8°28 | 28°48 | n.a. | S 22 |
| S 23 | 14 53 47 | 13° 9'57 | 14°15 | 0°45 | 18°53 | 16°38 | 21°37 | 23°12 | 15°48 | 17° 4 | 16°42 | 8°21 | 8°24 | 28°55 | n.a. | S 23 |
| M24 | 14 57 44 | 14° 7'01 | 28°45 | 0°37 | 20° 5 | 17°19 | 21°33 | 23°13 | 15°46 | 17° 2 | 16°41 | 8°16 | 8°21 | 29° 1 | n.a. | M24 |
| T 25 | 15 1 41 | 15° 4'06 | 13♈37 | 0°25 | 21°18 | 17°59 | 21°28 | 23°14 | 15°44 | 17° 1 | 16°41 | 8° 9 | 8°18 | 29° 8 | n.a. | T 25 |
| W26 | 15 5 37 | 16° 1'12 | 28°46 | 0° 8 | 22°30 | 18°40 | 21°23 | 23°15 | 15°42 | 16°59 | 16°40 | 7°59 | 8°15 | 29°15 | n.a. | W26 |
| T 27 | 15 9 34 | 16°58'18 | 14♉ 2 | 29♉48 | 23°43 | 19°20 | 21°18 | 23°16 | 15°40 | 16°58 | 16°39 | 7°49 | 8°12 | 29°21 | n.a. | T 27 |
| F 28 | 15 13 30 | 17°55'24 | 29°13 | 29°23 | 24°55 | 20° 0 | 21°13 | 23°17 | 15°38 | 16°56 | 16°39 | 7°38 | 8° 9 | 29°28 | n.a. | F 28 |
| S 29 | 15 17 27 | 18°52'31 | 14♊ 9 | 28°54 | 26° 8 | 20°41 | 21° 7 | 23°19 | 15°36 | 16°54 | 16°38 | 7°29 | 8° 5 | 29°35 | n.a. | S 29 |
| S 30 | 15 21 23 | 19°49'38 | 28°42 | 28°22 | 27°20 | 21°21 | 21° 2 | 23°20 | 15°34 | 16°53 | 16°38 | 7°22 | 8° 2 | 29°42 | n.a. | S 30 |
| M31 | 15 25 20 | 20♉46'46 | 12♋47 | 27♉48 | 28♈33 | 22♈ 1 | 20♐56 | 23♌22 | 15♎32 | 16♏51 | 16♍37 | 7♌18 | 7♌59 | 29♎48 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n50 | 17n10 | 4s34 | 19n 1 | 2n13 | 4s38 | 1s44 | 0n 4 | 0s37 | 24s 4 | 0s21 | 16n29 | 2n36 | 6s12 | 0n31 | 16s 2 | 1n28 | 20n27 | 16n41 | 18n 0 | 18n13 | 5s44 | | n.a. |
| S 2 | 9 11 | 19 40 | 3 53 | 19 21 | 2 9 | 4 8 | 1 44 | 0 21 | 0 36 | 24 4 | 0 22 | 16 29 | 2 35 | 6 11 | 0 31 | 16 1 | 1 28 | 20 27 | 16 41 | 18 2 | 18 14 | 5 47 | | n.a. |
| M 3 | 9 33 | 20 52 | 2 59 | 19 38 | 2 5 | 3 39 | 1 43 | 0 39 | 0 36 | 24 4 | 0 22 | 16 29 | 2 35 | 6 10 | 0 31 | 16 1 | 1 28 | 20 27 | 16 40 | 18 3 | 18 14 | 5 49 | | n.a. |
| T 4 | 9 54 | 20 49 | 1 57 | 19 54 | 2 0 | 3 10 | 1 43 | 0 56 | 0 35 | 24 4 | 0 22 | 16 29 | 2 35 | 6 9 | 0 31 | 16 1 | 1 28 | 20 27 | 16 40 | 18 3 | 18 15 | 5 51 | | n.a. |
| W 5 | 10 15 | 19 37 | 0 51 | 20 7 | 1 54 | 2 40 | 1 42 | 1 13 | 0 34 | 24 4 | 0 22 | 16 29 | 2 35 | 6 8 | 0 31 | 16 0 | 1 28 | 20 27 | 16 39 | 18 3 | 18 16 | 5 53 | | n.a. |
| T 6 | 10 37 | 17 26 | 0n16 | 20 18 | 1 48 | 2 11 | 1 42 | 1 31 | 0 34 | 24 5 | 0 23 | 16 29 | 2 35 | 6 7 | 0 31 | 16 0 | 1 28 | 20 27 | 16 39 | 18 3 | 18 17 | 5 56 | | n.a. |
| F 7 | 10 57 | 14 29 | 1 21 | 20 28 | 1 41 | 1 41 | 1 41 | 1 48 | 0 33 | 24 5 | 0 23 | 16 29 | 2 34 | 6 6 | 0 31 | 15 59 | 1 28 | 20 27 | 16 39 | 18 3 | 18 18 | 5 58 | | n.a. |
| S 8 | 11 18 | 10 58 | 2 21 | 20 36 | 1 33 | 1 11 | 1 40 | 2 5 | 0 33 | 24 5 | 0 23 | 16 29 | 2 34 | 6 5 | 0 31 | 15 59 | 1 28 | 20 28 | 16 38 | 18 4 | 18 19 | 6 0 | | n.a. |
| S 9 | 11 39 | 7 2 | 3 14 | 20 41 | 1 24 | 0 41 | 1 39 | 2 22 | 0 32 | 24 5 | 0 23 | 16 29 | 2 34 | 6 4 | 0 31 | 15 58 | 1 28 | 20 28 | 16 38 | 18 6 | 18 20 | 6 2 | | n.a. |
| M10 | 11 59 | 2 52 | 3 57 | 20 45 | 1 15 | 0 11 | 1 39 | 2 39 | 0 32 | 24 5 | 0 23 | 16 29 | 2 34 | 6 3 | 0 31 | 15 58 | 1 28 | 20 28 | 16 37 | 18 8 | 18 20 | 6 5 | | n.a. |
| T 11 | 12 19 | 1s23 | 4 30 | 20 48 | 1 5 | 0n19 | 1 38 | 2 56 | 0 31 | 24 5 | 0 24 | 16 29 | 2 34 | 6 3 | 0 31 | 15 58 | 1 28 | 20 28 | 16 37 | 18 11 | 18 21 | 6 7 | | n.a. |
| W12 | 12 39 | 5 35 | 4 51 | 20 48 | 0 55 | 0 49 | 1 37 | 3 13 | 0 31 | 24 5 | 0 24 | 16 29 | 2 33 | 6 2 | 0 31 | 15 57 | 1 28 | 20 28 | 16 36 | 18 14 | 18 22 | 6 9 | | n.a. |
| T 13 | 12 59 | 9 34 | 5 0 | 20 47 | 0 44 | 1 19 | 1 36 | 3 30 | 0 30 | 24 5 | 0 24 | 16 29 | 2 33 | 6 1 | 0 31 | 15 57 | 1 28 | 20 28 | 16 36 | 18 18 | 18 23 | 6 11 | | n.a. |
| F 14 | 13 19 | 13 12 | 4 55 | 20 44 | 0 32 | 1 49 | 1 34 | 3 47 | 0 30 | 24 5 | 0 24 | 16 29 | 2 33 | 6 0 | 0 31 | 15 56 | 1 28 | 20 28 | 16 35 | 18 22 | 18 24 | 6 14 | | n.a. |
| S 15 | 13 38 | 16 19 | 4 37 | 20 39 | 0 20 | 2 19 | 1 33 | 4 4 | 0 29 | 24 5 | 0 25 | 16 29 | 2 33 | 5 59 | 0 31 | 15 56 | 1 28 | 20 28 | 16 35 | 18 25 | 18 25 | 6 16 | | n.a. |
| S 16 | 13 58 | 18 47 | 4 7 | 20 33 | 0 7 | 2 49 | 1 32 | 4 21 | 0 28 | 24 5 | 0 25 | 16 28 | 2 33 | 5 58 | 0 31 | 15 55 | 1 28 | 20 28 | 16 34 | 18 28 | 18 26 | 6 18 | | n.a. |
| M17 | 14 17 | 20 25 | 3 25 | 20 25 | 0s 7 | 3 19 | 1 31 | 4 38 | 0 28 | 24 5 | 0 25 | 16 28 | 2 32 | 5 57 | 0 31 | 15 55 | 1 28 | 20 27 | 16 34 | 18 30 | 18 26 | 6 21 | | n.a. |
| T 18 | 14 35 | 21 7 | 2 33 | 20 16 | 0 21 | 3 49 | 1 29 | 4 55 | 0 27 | 24 5 | 0 25 | 16 28 | 2 32 | 5 56 | 0 31 | 15 54 | 1 28 | 20 27 | 16 34 | 18 31 | 18 27 | 6 23 | | n.a. |
| W19 | 14 54 | 20 47 | 1 33 | 20 5 | 0 35 | 4 18 | 1 28 | 5 11 | 0 27 | 24 5 | 0 25 | 16 27 | 2 32 | 5 56 | 0 31 | 15 54 | 1 28 | 20 27 | 16 33 | 18 31 | 18 28 | 6 25 | | n.a. |
| T 20 | 15 12 | 19 22 | 0 27 | 19 53 | 0 50 | 4 48 | 1 26 | 5 28 | 0 26 | 24 5 | 0 26 | 16 27 | 2 32 | 5 55 | 0 31 | 15 54 | 1 28 | 20 27 | 16 33 | 18 32 | 18 29 | 6 27 | | n.a. |
| F 21 | 15 31 | 16 52 | 0s43 | 19 39 | 1 5 | 5 18 | 1 25 | 5 44 | 0 26 | 24 5 | 0 26 | 16 27 | 2 31 | 5 54 | 0 31 | 15 53 | 1 28 | 20 27 | 16 32 | 18 32 | 18 30 | 6 30 | | n.a. |
| S 22 | 15 48 | 13 22 | 1 53 | 19 25 | 1 21 | 5 48 | 1 23 | 6 1 | 0 25 | 24 5 | 0 26 | 16 26 | 2 31 | 5 53 | 0 31 | 15 53 | 1 28 | 20 27 | 16 32 | 18 32 | 18 31 | 6 32 | | n.a. |
| S 23 | 16 6 | 9 2 | 2 57 | 19 9 | 1 36 | 6 17 | 1 21 | 6 17 | 0 24 | 24 5 | 0 26 | 16 26 | 2 31 | 5 52 | 0 30 | 15 52 | 1 28 | 20 27 | 16 31 | 18 32 | 18 31 | 6 34 | | n.a. |
| M24 | 16 24 | 4 3 | 3 53 | 18 52 | 1 52 | 6 47 | 1 20 | 6 34 | 0 24 | 24 5 | 0 27 | 16 25 | 2 31 | 5 52 | 0 30 | 15 52 | 1 28 | 20 27 | 16 31 | 18 34 | 18 32 | 6 36 | | n.a. |
| T 25 | 16 41 | 1n17 | 4 34 | 18 34 | 2 7 | 7 16 | 1 18 | 6 50 | 0 23 | 24 5 | 0 27 | 16 25 | 2 31 | 5 51 | 0 30 | 15 51 | 1 28 | 20 26 | 16 30 | 18 36 | 18 33 | 6 39 | | n.a. |
| W26 | 16 58 | 6 38 | 4 57 | 18 16 | 2 23 | 7 45 | 1 16 | 7 6 | 0 23 | 24 5 | 0 27 | 16 24 | 2 30 | 5 50 | 0 30 | 15 51 | 1 28 | 20 26 | 16 29 | 18 38 | 18 34 | 6 41 | | n.a. |
| T 27 | 17 14 | 11 37 | 4 59 | 17 57 | 2 38 | 8 14 | 1 14 | 7 22 | 0 22 | 24 5 | 0 27 | 16 23 | 2 30 | 5 49 | 0 30 | 15 50 | 1 28 | 20 26 | 16 29 | 18 41 | 18 35 | 6 43 | | n.a. |
| F 28 | 17 31 | 15 50 | 4 40 | 17 37 | 2 52 | 8 43 | 1 12 | 7 39 | 0 22 | 24 5 | 0 27 | 16 23 | 2 30 | 5 48 | 0 30 | 15 50 | 1 28 | 20 26 | 16 28 | 18 44 | 18 36 | 6 45 | | n.a. |
| S 29 | 17 47 | 18 57 | 4 2 | 17 17 | 3 7 | 9 12 | 1 11 | 7 55 | 0 21 | 24 4 | 0 28 | 16 22 | 2 30 | 5 48 | 0 30 | 15 49 | 1 28 | 20 25 | 16 28 | 18 46 | 18 37 | 6 48 | | n.a. |
| S 30 | 18 3 | 20 46 | 3 9 | 16 57 | 3 20 | 9 40 | 1 9 | 8 11 | 0 20 | 24 4 | 0 28 | 16 21 | 2 29 | 5 47 | 0 30 | 15 49 | 1 28 | 20 25 | 16 27 | 18 48 | 18 37 | 6 50 | | n.a. |
| M31 | 18n18 | 21n12 | 2s 6 | 16n37 | 3s32 | 10n 8 | 1s 7 | 8n26 | 0s20 | 24s 4 | 0s28 | 16n21 | 2n29 | 5s46 | 0n30 | 15s49 | 1n28 | 20n25 | 16n27 | 18n49 | 18n38 | 6s52 | | n.a. |

Julian Day Number = 1003461.5, Delta T = 12h48m26s
Ecliptic obliquity = 23°55'09, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'30, Lahiri = -31°03'29 Julian Calendar 1 May 1966 BCE == Greg. Calendar 14 Apr. 1966 BCE

The year -1965 astronomical counting style corresponds to year 1966 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## JUNE 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 29 16 | 21♉43'54 | 26♋23 | 27°R11 | 29♈46 | 22♈41 | 20°R50 | 23♌23 | 15°R31 | 16°R50 | 16°R37 | 7°R16 | 7♌56 | 29♎55 | n.a. | T 1 |
| W 2 | 15 33 13 | 22°41'02 | 9♌31 | 26♉32 | 0♉59 | 23°21 | 20♐45 | 23°25 | 15♎29 | 16♏48 | 16♏36 | 7°D16 | 7°53 | 0♏ 2 | n.a. | W 2 |
| T 3 | 15 37 10 | 23°38'10 | 22°15 | 25°52 | 2°11 | 24° 1 | 20°38 | 23°27 | 15°27 | 16°46 | 16°36 | 7°R16 | 7°49 | 0° 9 | n.a. | T 3 |
| F 4 | 15 41 6 | 24°35'19 | 4♍39 | 25°11 | 3°24 | 24°41 | 20°32 | 23°29 | 15°25 | 16°45 | 16°36 | 7♌16 | 7°46 | 0°15 | n.a. | F 4 |
| S 5 | 15 45 3 | 25°32'28 | 16°49 | 24°31 | 4°37 | 25°21 | 20°26 | 23°31 | 15°24 | 16°43 | 16°35 | 7°14 | 7°43 | 0°22 | n.a. | S 5 |
| S 6 | 15 48 59 | 26°29'38 | 28°48 | 23°52 | 5°50 | 26° 1 | 20°20 | 23°33 | 15°22 | 16°41 | 16°35 | 7°10 | 7°40 | 0°29 | n.a. | S 6 |
| M 7 | 15 52 56 | 27°26'48 | 10♎42 | 23°14 | 7° 3 | 26°41 | 20°13 | 23°35 | 15°20 | 16°40 | 16°35 | 7° 3 | 7°37 | 0°35 | n.a. | M 7 |
| T 8 | 15 56 52 | 28°23'59 | 22°34 | 22°39 | 8°16 | 27°21 | 20° 6 | 23°38 | 15°19 | 16°38 | 16°35 | 6°54 | 7°34 | 0°42 | n.a. | T 8 |
| W 9 | 16 0 49 | 29°21'11 | 4♏26 | 22° 7 | 9°29 | 28° 1 | 20° 0 | 23°40 | 15°17 | 16°37 | 16°34 | 6°43 | 7°30 | 0°49 | n.a. | W 9 |
| T 10 | 16 4 46 | 0♊18'23 | 16°22 | 21°38 | 10°42 | 28°40 | 19°53 | 23°43 | 15°16 | 16°35 | 16°34 | 6°31 | 7°27 | 0°56 | n.a. | T 10 |
| F 11 | 16 8 42 | 1°15'36 | 28°22 | 21°14 | 11°55 | 29°20 | 19°46 | 23°45 | 15°14 | 16°34 | 16°34 | 6°19 | 7°24 | 1° 2 | n.a. | F 11 |
| S 12 | 16 12 39 | 2°12'50 | 10♐29 | 20°54 | 13° 8 | 29°59 | 19°39 | 23°48 | 15°13 | 16°32 | 16°34 | 6° 8 | 7°21 | 1° 9 | n.a. | S 12 |
| S 13 | 16 16 35 | 3°10'05 | 22°42 | 20°39 | 14°21 | 0♉39 | 19°32 | 23°51 | 15°11 | 16°31 | 16°34 | 5°59 | 7°18 | 1°16 | n.a. | S 13 |
| M14 | 16 20 32 | 4° 7'21 | 5♑ 4 | 20°30 | 15°34 | 1°18 | 19°24 | 23°54 | 15°10 | 16°29 | 16°D34 | 5°52 | 7°15 | 1°23 | n.a. | M14 |
| T 15 | 16 24 28 | 5° 4'39 | 17°36 | 20°D27 | 16°47 | 1°58 | 19°17 | 23°56 | 15° 9 | 16°27 | 16°34 | 5°49 | 7°11 | 1°29 | n.a. | T 15 |
| W16 | 16 28 25 | 6° 1'57 | 0♒19 | 20°30 | 18° 1 | 2°37 | 19°10 | 23°59 | 15° 8 | 16°26 | 16°34 | 5°D47 | 7° 8 | 1°36 | n.a. | W16 |
| T 17 | 16 32 21 | 6°59'17 | 13°17 | 20°38 | 19°14 | 3°16 | 19° 2 | 24° 3 | 15° 6 | 16°24 | 16°34 | 5°47 | 7° 5 | 1°43 | n.a. | T 17 |
| F 18 | 16 36 18 | 7°56'38 | 26°32 | 20°53 | 20°27 | 3°56 | 18°55 | 24° 6 | 15° 5 | 16°23 | 16°34 | 5°48 | 7° 2 | 1°49 | n.a. | F 18 |
| S 19 | 16 40 15 | 8°54'01 | 10♓ 7 | 21°15 | 21°41 | 4°35 | 18°47 | 24° 9 | 15° 4 | 16°22 | 16°34 | 5°R48 | 6°59 | 1°56 | n.a. | S 19 |
| S 20 | 16 44 11 | 9°51'25 | 24° 2 | 21°42 | 22°54 | 5°14 | 18°40 | 24°12 | 15° 3 | 16°20 | 16°34 | 5°47 | 6°55 | 2° 3 | n.a. | S 20 |
| M21 | 16 48 8 | 10°48'50 | 8♈19 | 22°17 | 24° 7 | 5°53 | 18°32 | 24°16 | 15° 2 | 16°19 | 16°35 | 5°45 | 6°52 | 2°10 | n.a. | M21 |
| T 22 | 16 52 4 | 11°46'17 | 22°55 | 22°57 | 25°21 | 6°32 | 18°24 | 24°19 | 15° 1 | 16°17 | 16°35 | 5°40 | 6°49 | 2°16 | n.a. | T 22 |
| W23 | 16 56 1 | 12°43'46 | 7♉46 | 23°44 | 26°34 | 7°11 | 18°16 | 24°23 | 15° 0 | 16°16 | 16°35 | 5°33 | 6°46 | 2°23 | n.a. | W23 |
| T 24 | 16 59 57 | 13°41'16 | 22°45 | 24°37 | 27°48 | 7°50 | 18° 9 | 24°27 | 14°59 | 16°14 | 16°36 | 5°25 | 6°43 | 2°30 | n.a. | T 24 |
| F 25 | 17 3 54 | 14°38'47 | 7♊42 | 25°36 | 29° 2 | 8°29 | 18° 1 | 24°30 | 14°58 | 16°13 | 16°36 | 5°18 | 6°40 | 2°37 | n.a. | F 25 |
| S 26 | 17 7 51 | 15°36'20 | 22°28 | 26°41 | 0♊15 | 9° 8 | 17°53 | 24°34 | 14°57 | 16°12 | 16°36 | 5°11 | 6°36 | 2°43 | n.a. | S 26 |
| S 27 | 17 11 47 | 16°33'54 | 6♋56 | 27°52 | 1°29 | 9°47 | 17°45 | 24°38 | 14°57 | 16°10 | 16°37 | 5° 6 | 6°33 | 2°50 | n.a. | S 27 |
| M28 | 17 15 44 | 17°31'30 | 21° 1 | 29° 9 | 2°43 | 10°25 | 17°37 | 24°42 | 14°56 | 16° 9 | 16°37 | 5° 3 | 6°30 | 2°57 | n.a. | M28 |
| T 29 | 17 19 40 | 18°29'07 | 4♌39 | 0♊30 | 3°56 | 11° 4 | 17°30 | 24°46 | 14°55 | 16° 8 | 16°38 | 5°D 2 | 6°27 | 3° 3 | n.a. | T 29 |
| W30 | 17 23 37 | 19♊26'45 | 17♌50 | 1♊57 | 5♊10 | 11♉43 | 17♐22 | 24♌51 | 14♎55 | 16♏ 6 | 16♏38 | 5♌ 3 | 6♌24 | 3♏10 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n34 | 20n22 | 0s57 | 16n17 | 3s44 | 10n37 | 1s 4 | 8n42 | 0s19 | 24s 4 | 0s28 | 16n20 | 2n29 | 5s46 | 0n30 | 15s48 | 1n28 | 20n24 | 16n26 | 18n49 | 18n39 | 6s54 | | n.a. |
| W 2 | 18 49 | 18 25 | 0n12 | 15 58 | 3 54 | 11 4 | 1 2 | 8 58 | 0 19 | 24 4 | 0 28 | 16 19 | 2 29 | 5 45 | 0 30 | 15 48 | 1 28 | 20 24 | 16 26 | 18 49 | 18 40 | 6 57 | | n.a. |
| T 3 | 19 3 | 15 37 | 1 19 | 15 40 | 4 3 | 11 32 | 1 0 | 9 13 | 0 18 | 24 4 | 0 29 | 16 18 | 2 29 | 5 44 | 0 30 | 15 47 | 1 28 | 20 24 | 16 25 | 18 49 | 18 41 | 6 59 | | n.a. |
| F 4 | 19 18 | 12 10 | 2 20 | 15 23 | 4 11 | 11 59 | 0 58 | 9 29 | 0 17 | 24 3 | 0 29 | 16 17 | 2 28 | 5 44 | 0 30 | 15 47 | 1 28 | 20 23 | 16 25 | 18 50 | 18 42 | 7 1 | | n.a. |
| S 5 | 19 32 | 8 16 | 3 13 | 15 8 | 4 17 | 12 26 | 0 56 | 9 44 | 0 17 | 24 3 | 0 29 | 16 16 | 2 28 | 5 43 | 0 30 | 15 46 | 1 28 | 20 23 | 16 24 | 18 50 | 18 42 | 7 3 | | n.a. |
| S 6 | 19 46 | 4 6 | 3 58 | 14 54 | 4 22 | 12 53 | 0 54 | 10 0 | 0 16 | 24 3 | 0 29 | 16 15 | 2 28 | 5 42 | 0 30 | 15 46 | 1 27 | 20 23 | 16 23 | 18 51 | 18 43 | 7 6 | | n.a. |
| M 7 | 19 59 | 0s10 | 4 31 | 14 41 | 4 24 | 13 20 | 0 51 | 10 15 | 0 15 | 24 2 | 0 30 | 16 15 | 2 28 | 5 42 | 0 30 | 15 45 | 1 27 | 20 22 | 16 23 | 18 53 | 18 44 | 7 8 | | n.a. |
| T 8 | 20 12 | 4 26 | 4 53 | 14 31 | 4 26 | 13 46 | 0 49 | 10 30 | 0 15 | 24 2 | 0 30 | 16 14 | 2 27 | 5 41 | 0 30 | 15 45 | 1 27 | 20 22 | 16 22 | 18 55 | 18 45 | 7 10 | | n.a. |
| W 9 | 20 25 | 8 32 | 5 2 | 14 23 | 4 26 | 14 12 | 0 47 | 10 45 | 0 14 | 24 2 | 0 30 | 16 13 | 2 27 | 5 41 | 0 30 | 15 45 | 1 27 | 20 21 | 16 22 | 18 58 | 18 46 | 7 12 | | n.a. |
| T 10 | 20 37 | 12 19 | 4 58 | 14 18 | 4 24 | 14 38 | 0 44 | 11 0 | 0 14 | 24 2 | 0 30 | 16 11 | 2 27 | 5 40 | 0 30 | 15 44 | 1 27 | 20 21 | 16 21 | 19 1 | 18 47 | 7 15 | | n.a. |
| F 11 | 20 49 | 15 38 | 4 40 | 14 15 | 4 20 | 15 3 | 0 42 | 11 15 | 0 13 | 24 1 | 0 30 | 16 10 | 2 27 | 5 39 | 0 30 | 15 44 | 1 27 | 20 20 | 16 21 | 19 4 | 18 47 | 7 17 | | n.a. |
| S 12 | 21 1 | 18 20 | 4 10 | 14 14 | 4 15 | 15 28 | 0 40 | 11 30 | 0 12 | 24 1 | 0 31 | 16 9 | 2 27 | 5 39 | 0 30 | 15 43 | 1 27 | 20 20 | 16 20 | 19 7 | 18 48 | 7 19 | | n.a. |
| S 13 | 21 13 | 20 15 | 3 28 | 14 16 | 4 9 | 15 52 | 0 37 | 11 45 | 0 12 | 24 0 | 0 31 | 16 8 | 2 26 | 5 38 | 0 30 | 15 43 | 1 27 | 20 19 | 16 19 | 19 9 | 18 49 | 7 21 | | n.a. |
| M14 | 21 24 | 21 13 | 2 36 | 14 21 | 4 2 | 16 16 | 0 35 | 11 59 | 0 11 | 24 0 | 0 31 | 16 7 | 2 26 | 5 38 | 0 30 | 15 42 | 1 27 | 20 19 | 16 19 | 19 11 | 18 50 | 7 24 | | n.a. |
| T 15 | 21 34 | 21 9 | 1 36 | 14 29 | 3 53 | 16 40 | 0 32 | 12 14 | 0 10 | 24 0 | 0 31 | 16 6 | 2 26 | 5 37 | 0 30 | 15 42 | 1 27 | 20 18 | 16 18 | 19 12 | 18 51 | 7 26 | | n.a. |
| W16 | 21 45 | 20 1 | 0 29 | 14 39 | 3 43 | 17 4 | 0 30 | 12 28 | 0 10 | 23 59 | 0 31 | 16 5 | 2 26 | 5 37 | 0 30 | 15 42 | 1 27 | 20 18 | 16 18 | 19 12 | 18 51 | 7 28 | | n.a. |
| T 17 | 21 55 | 17 48 | 0s40 | 14 52 | 3 32 | 17 27 | 0 28 | 12 43 | 0 9 | 23 59 | 0 32 | 16 3 | 2 26 | 5 36 | 0 30 | 15 41 | 1 27 | 20 17 | 16 17 | 19 12 | 18 52 | 7 30 | | n.a. |
| F 18 | 22 4 | 14 37 | 1 49 | 15 7 | 3 21 | 17 49 | 0 25 | 12 57 | 0 8 | 23 58 | 0 32 | 16 2 | 2 25 | 5 36 | 0 30 | 15 41 | 1 27 | 20 17 | 16 16 | 19 12 | 18 53 | 7 33 | | n.a. |
| S 19 | 22 14 | 10 35 | 2 53 | 15 24 | 3 8 | 18 11 | 0 23 | 13 11 | 0 8 | 23 58 | 0 32 | 16 1 | 2 25 | 5 36 | 0 30 | 15 40 | 1 27 | 20 16 | 16 16 | 19 12 | 18 54 | 7 35 | | n.a. |
| S 20 | 22 22 | 5 54 | 3 49 | 15 44 | 2 55 | 18 33 | 0 20 | 13 25 | 0 7 | 23 57 | 0 32 | 15 59 | 2 25 | 5 35 | 0 30 | 15 40 | 1 27 | 20 15 | 16 15 | 19 12 | 18 55 | 7 37 | | n.a. |
| M21 | 22 31 | 0 47 | 4 32 | 16 6 | 2 42 | 18 54 | 0 18 | 13 39 | 0 6 | 23 57 | 0 32 | 15 58 | 2 25 | 5 35 | 0 30 | 15 40 | 1 27 | 20 15 | 16 15 | 19 13 | 18 56 | 7 39 | | n.a. |
| T 22 | 22 39 | 4n28 | 4 59 | 16 30 | 2 28 | 19 14 | 0 15 | 13 53 | 0 6 | 23 56 | 0 32 | 15 57 | 2 25 | 5 34 | 0 30 | 15 39 | 1 27 | 20 14 | 16 14 | 19 14 | 18 56 | 7 42 | | n.a. |
| W23 | 22 47 | 9 34 | 5 6 | 16 56 | 2 14 | 19 35 | 0 13 | 14 6 | 0 5 | 23 56 | 0 33 | 15 55 | 2 24 | 5 34 | 0 30 | 15 39 | 1 27 | 20 14 | 16 14 | 19 16 | 18 57 | 7 44 | | n.a. |
| T 24 | 22 54 | 14 7 | 4 52 | 17 23 | 1 59 | 19 54 | 0 10 | 14 20 | 0 5 | 23 55 | 0 33 | 15 54 | 2 24 | 5 34 | 0 30 | 15 38 | 1 27 | 20 13 | 16 13 | 19 18 | 18 58 | 7 46 | | n.a. |
| F 25 | 23 1 | 17 46 | 4 19 | 17 51 | 1 44 | 20 13 | 0 8 | 14 33 | 0 4 | 23 55 | 0 33 | 15 52 | 2 24 | 5 34 | 0 30 | 15 38 | 1 27 | 20 12 | 16 12 | 19 20 | 18 59 | 7 48 | | n.a. |
| S 26 | 23 7 | 20 14 | 3 29 | 18 21 | 1 30 | 20 32 | 0 5 | 14 47 | 0 3 | 23 54 | 0 33 | 15 51 | 2 24 | 5 33 | 0 30 | 15 38 | 1 27 | 20 11 | 16 12 | 19 21 | 19 0 | 7 51 | | n.a. |
| S 27 | 23 13 | 21 19 | 2 25 | 18 52 | 1 15 | 20 50 | 0 3 | 15 0 | 0 3 | 23 54 | 0 33 | 15 49 | 2 24 | 5 33 | 0 30 | 15 37 | 1 27 | 20 11 | 16 11 | 19 22 | 19 0 | 7 53 | | n.a. |
| M28 | 23 19 | 21 0 | 1 15 | 19 23 | 1 1 | 21 7 | 0 0 | 15 13 | 0 2 | 23 53 | 0 34 | 15 48 | 2 23 | 5 33 | 0 30 | 15 37 | 1 27 | 20 10 | 16 11 | 19 23 | 19 1 | 7 55 | | n.a. |
| T 29 | 23 24 | 19 27 | 0 2 | 19 55 | 0 46 | 21 24 | 0n 2 | 15 26 | 0 1 | 23 53 | 0 34 | 15 46 | 2 23 | 5 32 | 0 29 | 15 37 | 1 27 | 20 9 | 16 10 | 19 23 | 19 2 | 7 57 | | n.a. |
| W30 | 23n29 | 16n53 | 1n 9 | 20n26 | 0s32 | 21n40 | 0n 5 | 15n39 | 0s 0 | 23s52 | 0s34 | 15n45 | 2n23 | 5s32 | 0n29 | 15s36 | 1n27 | 20n 9 | 16n 9 | 19n23 | 19n 3 | 8s 0 | | n.a. |

Julian Day Number = 1003492.5, Delta T = 12h48m24s
Ecliptic obliquity = 23°55'09, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'25, Lahiri = -31°03'25 Julian Calendar 1 June 1966 BCE == Greg. Calendar 15 May 1966 BCE


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## JULY 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 27 33 | 20♊24'24 | 0♍38 | 3♊29 | 6♊24 | 12♉21 | 17°R14 | 24♌55 | 14°R54 | 16°R 5 | 16♍39 | 5♌ 4 | 6♌21 | 3♏17 | n.a. | T 1 |
| F 2 | 17 31 30 | 21°22'04 | 13° 5 | 5° 5 | 7°38 | 13° 0 | 17♐ 6 | 24°59 | 14♎54 | 16♏ 4 | 16°39 | 5° 5 | 6°17 | 3°24 | n.a. | F 2 |
| S 3 | 17 35 26 | 22°19'46 | 25°16 | 6°45 | 8°52 | 13°38 | 16°58 | 25° 3 | 14°53 | 16° 3 | 16°40 | 5°R 6 | 6°14 | 3°30 | n.a. | S 3 |
| S 4 | 17 39 23 | 23°17'29 | 7♎16 | 8°28 | 10° 6 | 14°17 | 16°51 | 25° 8 | 14°53 | 16° 1 | 16°41 | 5° 4 | 6°11 | 3°37 | n.a. | S 4 |
| M 5 | 17 43 20 | 24°15'13 | 19°11 | 10°16 | 11°19 | 14°55 | 16°43 | 25°12 | 14°52 | 16° 0 | 16°41 | 5° 1 | 6° 8 | 3°44 | n.a. | M 5 |
| T 6 | 17 47 16 | 25°12'59 | 1♏ 3 | 12° 6 | 12°33 | 15°33 | 16°35 | 25°17 | 14°52 | 15°59 | 16°42 | 4°57 | 6° 5 | 3°50 | n.a. | T 6 |
| W 7 | 17 51 13 | 26°10'46 | 12°57 | 13°58 | 13°47 | 16°12 | 16°28 | 25°22 | 14°52 | 15°58 | 16°43 | 4°51 | 6° 1 | 3°57 | n.a. | W 7 |
| T 8 | 17 55 9 | 27° 8'34 | 24°57 | 15°53 | 15° 1 | 16°50 | 16°20 | 25°26 | 14°52 | 15°57 | 16°44 | 4°44 | 5°58 | 4° 4 | n.a. | T 8 |
| F 9 | 17 59 6 | 28° 6'24 | 7♐ 4 | 17°49 | 16°15 | 17°28 | 16°13 | 25°31 | 14°51 | 15°56 | 16°45 | 4°38 | 5°55 | 4°11 | n.a. | F 9 |
| S 10 | 18 3 2 | 29° 4'16 | 19°20 | 19°46 | 17°30 | 18° 6 | 16° 5 | 25°36 | 14°51 | 15°55 | 16°45 | 4°32 | 5°52 | 4°17 | n.a. | S 10 |
| S 11 | 18 6 59 | 0♋ 2'10 | 1♑47 | 21°45 | 18°44 | 18°44 | 15°58 | 25°41 | 14°51 | 15°54 | 16°46 | 4°27 | 5°49 | 4°24 | n.a. | S 11 |
| M12 | 18 10 55 | 1° 0'05 | 14°25 | 23°44 | 19°58 | 19°22 | 15°50 | 25°46 | 14°D51 | 15°53 | 16°47 | 4°24 | 5°46 | 4°31 | n.a. | M12 |
| T 13 | 18 14 52 | 1°58'02 | 27°15 | 25°43 | 21°12 | 20° 0 | 15°43 | 25°51 | 14°51 | 15°52 | 16°48 | 4°22 | 5°42 | 4°38 | n.a. | T 13 |
| W14 | 18 18 49 | 2°56'01 | 10♒17 | 27°43 | 22°26 | 20°38 | 15°36 | 25°56 | 14°51 | 15°51 | 16°49 | 4°D22 | 5°39 | 4°44 | n.a. | W14 |
| T 15 | 18 22 45 | 3°54'02 | 23°31 | 29°42 | 23°41 | 21°16 | 15°29 | 26° 1 | 14°52 | 15°50 | 16°50 | 4°23 | 5°36 | 4°51 | n.a. | T 15 |
| F 16 | 18 26 42 | 4°52'05 | 6♓59 | 1♋41 | 24°55 | 21°53 | 15°22 | 26° 7 | 14°52 | 15°49 | 16°51 | 4°24 | 5°33 | 4°58 | n.a. | F 16 |
| S 17 | 18 30 38 | 5°50'10 | 20°41 | 3°39 | 26° 9 | 22°31 | 15°15 | 26°12 | 14°52 | 15°48 | 16°52 | 4°26 | 5°30 | 5° 4 | n.a. | S 17 |
| S 18 | 18 34 35 | 6°48'17 | 4♈36 | 5°36 | 27°24 | 23° 9 | 15° 8 | 26°17 | 14°52 | 15°47 | 16°54 | 4°R27 | 5°27 | 5°11 | n.a. | S 18 |
| M19 | 18 38 31 | 7°46'26 | 18°45 | 7°33 | 28°38 | 23°46 | 15° 2 | 26°23 | 14°53 | 15°46 | 16°55 | 4°26 | 5°23 | 5°18 | n.a. | M19 |
| T 20 | 18 42 28 | 8°44'38 | 3♉ 6 | 9°29 | 29°53 | 24°24 | 14°55 | 26°28 | 14°53 | 15°45 | 16°56 | 4°25 | 5°20 | 5°25 | n.a. | T 20 |
| W21 | 18 46 24 | 9°42'52 | 17°35 | 11°24 | 1♋ 7 | 25° 1 | 14°49 | 26°34 | 14°54 | 15°44 | 16°57 | 4°22 | 5°17 | 5°31 | n.a. | W21 |
| T 22 | 18 50 21 | 10°41'08 | 2♊ 9 | 13°18 | 2°21 | 25°39 | 14°42 | 26°39 | 14°54 | 15°44 | 16°58 | 4°19 | 5°14 | 5°38 | n.a. | T 22 |
| F 23 | 18 54 17 | 11°39'26 | 16°40 | 15°11 | 3°36 | 26°16 | 14°36 | 26°45 | 14°55 | 15°43 | 17° 0 | 4°16 | 5°11 | 5°45 | n.a. | F 23 |
| S 24 | 18 58 14 | 12°37'47 | 1♋ 4 | 17° 2 | 4°51 | 26°53 | 14°30 | 26°51 | 14°55 | 15°42 | 17° 1 | 4°13 | 5° 7 | 5°52 | n.a. | S 24 |
| S 25 | 19 2 11 | 13°36'09 | 15°14 | 18°53 | 6° 5 | 27°31 | 14°24 | 26°57 | 14°56 | 15°42 | 17° 2 | 4°11 | 5° 4 | 5°58 | n.a. | S 25 |
| M26 | 19 6 7 | 14°34'34 | 29° 7 | 20°42 | 7°20 | 28° 8 | 14°18 | 27° 2 | 14°57 | 15°41 | 17° 4 | 4°D10 | 5° 1 | 6° 5 | n.a. | M26 |
| T 27 | 19 10 4 | 15°33'00 | 12♌38 | 22°31 | 8°35 | 28°45 | 14°13 | 27° 8 | 14°57 | 15°40 | 17° 5 | 4°10 | 4°58 | 6°12 | n.a. | T 27 |
| W28 | 19 14 0 | 16°31'29 | 25°47 | 24°18 | 9°49 | 29°22 | 14° 7 | 27°14 | 14°58 | 15°40 | 17° 6 | 4°11 | 4°55 | 6°18 | n.a. | W28 |
| T 29 | 19 17 57 | 17°29'59 | 8♍35 | 26° 4 | 11° 4 | 29°59 | 14° 2 | 27°20 | 14°59 | 15°39 | 17° 8 | 4°12 | 4°52 | 6°25 | n.a. | T 29 |
| F 30 | 19 21 53 | 18°28'31 | 21° 4 | 27°49 | 12°19 | 0♊36 | 13°57 | 27°26 | 15° 0 | 15°39 | 17° 9 | 4°14 | 4°48 | 6°32 | n.a. | F 30 |
| S 31 | 19 25 50 | 19♋27'05 | 3♎17 | 29♋32 | 13♋33 | 1♊13 | 13♐52 | 27♌32 | 15♎ 1 | 15♏38 | 17♍11 | 4♌15 | 4♌45 | 6♏39 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 23n34 | 13n33 | 2n14 | 20n58 | 0s19 | 21n56 | 0n 7 | 15n51 | 0n 0 | 23s51 | 0s34 | 15n43 | 2n23 | 5s32 | 0n29 | 15s36 | 1n27 | 20n 8 | 16n 9 | 19n23 | 19n 4 | 8s 2 | | | n.a. |
| F 2 | 23 38 | 9 42 | 3 11 | 21 29 | 0 6 | 22 11 | 0 10 | 16 4 | 0 1 | 23 51 | 0 34 | 15 41 | 2 23 | 5 32 | 0 29 | 15 36 | 1 27 | 20 7 | 16 8 | 19 23 | 19 4 | 8 4 | | | n.a. |
| S 3 | 23 41 | 5 33 | 3 58 | 21 59 | 0n 7 | 22 25 | 0 12 | 16 16 | 0 2 | 23 50 | 0 34 | 15 40 | 2 23 | 5 32 | 0 29 | 15 35 | 1 27 | 20 6 | 16 8 | 19 22 | 19 5 | 8 6 | | | n.a. |
| S 4 | 23 45 | 1 15 | 4 34 | 22 28 | 0 19 | 22 39 | 0 15 | 16 29 | 0 2 | 23 50 | 0 34 | 15 38 | 2 22 | 5 32 | 0 29 | 15 35 | 1 27 | 20 5 | 16 7 | 19 23 | 19 6 | 8 9 | | | n.a. |
| M 5 | 23 47 | 3s 4 | 4 58 | 22 56 | 0 30 | 22 52 | 0 17 | 16 41 | 0 3 | 23 49 | 0 35 | 15 36 | 2 22 | 5 32 | 0 29 | 15 35 | 1 27 | 20 5 | 16 6 | 19 23 | 19 7 | 8 11 | | | n.a. |
| T 6 | 23 50 | 7 15 | 5 9 | 23 22 | 0 41 | 23 5 | 0 19 | 16 53 | 0 4 | 23 48 | 0 35 | 15 34 | 2 22 | 5 31 | 0 29 | 15 34 | 1 27 | 20 4 | 16 6 | 19 25 | 19 8 | 8 13 | | | n.a. |
| W 7 | 23 52 | 11 10 | 5 7 | 23 46 | 0 51 | 23 16 | 0 22 | 17 5 | 0 4 | 23 48 | 0 35 | 15 33 | 2 22 | 5 31 | 0 29 | 15 34 | 1 27 | 20 3 | 16 5 | 19 26 | 19 9 | 8 15 | | | n.a. |
| T 8 | 23 53 | 14 41 | 4 51 | 24 9 | 1 0 | 23 27 | 0 24 | 17 17 | 0 5 | 23 47 | 0 35 | 15 31 | 2 22 | 5 31 | 0 29 | 15 34 | 1 26 | 20 2 | 16 5 | 19 28 | 19 9 | 8 18 | | | n.a. |
| F 9 | 23 54 | 17 37 | 4 22 | 24 29 | 1 8 | 23 38 | 0 26 | 17 28 | 0 6 | 23 46 | 0 35 | 15 29 | 2 22 | 5 31 | 0 29 | 15 34 | 1 26 | 20 1 | 16 4 | 19 29 | 19 10 | 8 20 | | | n.a. |
| S 10 | 23 55 | 19 49 | 3 41 | 24 46 | 1 16 | 23 48 | 0 29 | 17 40 | 0 6 | 23 46 | 0 35 | 15 27 | 2 21 | 5 31 | 0 29 | 15 33 | 1 26 | 20 0 | 16 4 | 19 31 | 19 11 | 8 22 | | | n.a. |
| S 11 | 23 55 | 21 6 | 2 48 | 25 2 | 1 22 | 23 57 | 0 31 | 17 51 | 0 7 | 23 45 | 0 35 | 15 25 | 2 21 | 5 31 | 0 29 | 15 33 | 1 26 | 20 0 | 16 3 | 19 32 | 19 12 | 8 24 | | | n.a. |
| M12 | 23 55 | 21 21 | 1 47 | 25 14 | 1 28 | 24 5 | 0 33 | 18 3 | 0 8 | 23 44 | 0 36 | 15 23 | 2 21 | 5 31 | 0 29 | 15 33 | 1 26 | 19 59 | 16 2 | 19 33 | 19 13 | 8 27 | | | n.a. |
| T 13 | 23 54 | 20 30 | 0 39 | 25 24 | 1 33 | 24 12 | 0 35 | 18 14 | 0 9 | 23 44 | 0 36 | 15 22 | 2 21 | 5 31 | 0 29 | 15 32 | 1 26 | 19 58 | 16 2 | 19 33 | 19 13 | 8 29 | | | n.a. |
| W14 | 23 53 | 18 32 | 0s32 | 25 31 | 1 38 | 24 19 | 0 38 | 18 25 | 0 9 | 23 43 | 0 36 | 15 20 | 2 21 | 5 31 | 0 29 | 15 32 | 1 26 | 19 57 | 16 1 | 19 33 | 19 14 | 8 31 | | | n.a. |
| T 15 | 23 52 | 15 34 | 1 43 | 25 36 | 1 41 | 24 25 | 0 40 | 18 36 | 0 10 | 23 42 | 0 36 | 15 18 | 2 21 | 5 32 | 0 29 | 15 32 | 1 26 | 19 56 | 16 1 | 19 33 | 19 15 | 8 33 | | | n.a. |
| F 16 | 23 50 | 11 44 | 2 49 | 25 38 | 1 44 | 24 31 | 0 42 | 18 47 | 0 11 | 23 42 | 0 36 | 15 16 | 2 21 | 5 32 | 0 29 | 15 32 | 1 26 | 19 55 | 16 0 | 19 33 | 19 16 | 8 36 | | | n.a. |
| S 17 | 23 47 | 7 14 | 3 47 | 25 38 | 1 46 | 24 35 | 0 44 | 18 57 | 0 11 | 23 41 | 0 36 | 15 14 | 2 20 | 5 32 | 0 29 | 15 32 | 1 26 | 19 54 | 16 0 | 19 32 | 19 16 | 8 38 | | | n.a. |
| S 18 | 23 44 | 2 17 | 4 32 | 25 35 | 1 47 | 24 39 | 0 46 | 19 8 | 0 12 | 23 40 | 0 36 | 15 12 | 2 20 | 5 32 | 0 29 | 15 31 | 1 26 | 19 53 | 15 59 | 19 32 | 19 17 | 8 40 | | | n.a. |
| M19 | 23 41 | 2n51 | 5 2 | 25 30 | 1 48 | 24 42 | 0 48 | 19 18 | 0 13 | 23 40 | 0 36 | 15 10 | 2 20 | 5 32 | 0 29 | 15 31 | 1 26 | 19 52 | 15 59 | 19 32 | 19 18 | 8 42 | | | n.a. |
| T 20 | 23 37 | 7 53 | 5 14 | 25 22 | 1 48 | 24 45 | 0 50 | 19 28 | 0 14 | 23 39 | 0 37 | 15 8 | 2 20 | 5 32 | 0 29 | 15 31 | 1 26 | 19 51 | 15 58 | 19 33 | 19 19 | 8 45 | | | n.a. |
| W21 | 23 33 | 12 32 | 5 6 | 25 13 | 1 48 | 24 46 | 0 52 | 19 38 | 0 14 | 23 38 | 0 37 | 15 6 | 2 20 | 5 32 | 0 29 | 15 31 | 1 26 | 19 50 | 15 58 | 19 33 | 19 20 | 8 47 | | | n.a. |
| T 22 | 23 29 | 16 28 | 4 38 | 25 1 | 1 47 | 24 47 | 0 53 | 19 48 | 0 15 | 23 38 | 0 37 | 15 4 | 2 20 | 5 33 | 0 29 | 15 31 | 1 26 | 19 49 | 15 57 | 19 34 | 19 20 | 8 49 | | | n.a. |
| F 23 | 23 24 | 19 23 | 3 52 | 24 47 | 1 45 | 24 47 | 0 55 | 19 58 | 0 16 | 23 37 | 0 37 | 15 1 | 2 20 | 5 33 | 0 29 | 15 30 | 1 26 | 19 48 | 15 56 | 19 35 | 19 21 | 8 51 | | | n.a. |
| S 24 | 23 18 | 21 3 | 2 52 | 24 31 | 1 43 | 24 47 | 0 57 | 20 7 | 0 17 | 23 37 | 0 37 | 14 59 | 2 19 | 5 33 | 0 29 | 15 30 | 1 26 | 19 47 | 15 56 | 19 35 | 19 22 | 8 54 | | | n.a. |
| S 25 | 23 12 | 21 20 | 1 42 | 24 13 | 1 41 | 24 45 | 0 59 | 20 17 | 0 17 | 23 36 | 0 37 | 14 57 | 2 19 | 5 34 | 0 29 | 15 30 | 1 26 | 19 46 | 15 55 | 19 36 | 19 23 | 8 56 | | | n.a. |
| M26 | 23 6 | 20 18 | 0 28 | 23 54 | 1 38 | 24 43 | 1 0 | 20 26 | 0 18 | 23 35 | 0 37 | 14 55 | 2 19 | 5 34 | 0 29 | 15 30 | 1 26 | 19 45 | 15 55 | 19 36 | 19 24 | 8 58 | | | n.a. |
| T 27 | 22 59 | 18 6 | 0n47 | 23 33 | 1 35 | 24 40 | 1 2 | 20 35 | 0 19 | 23 35 | 0 37 | 14 53 | 2 19 | 5 34 | 0 29 | 15 30 | 1 26 | 19 44 | 15 54 | 19 36 | 19 24 | 9 0 | | | n.a. |
| W28 | 22 52 | 15 0 | 1 57 | 23 11 | 1 31 | 24 36 | 1 4 | 20 44 | 0 20 | 23 34 | 0 37 | 14 51 | 2 19 | 5 35 | 0 29 | 15 30 | 1 25 | 19 43 | 15 54 | 19 36 | 19 25 | 9 2 | | | n.a. |
| T 29 | 22 45 | 11 16 | 2 59 | 22 47 | 1 27 | 24 32 | 1 5 | 20 53 | 0 20 | 23 34 | 0 37 | 14 48 | 2 19 | 5 35 | 0 28 | 15 30 | 1 25 | 19 42 | 15 53 | 19 35 | 19 26 | 9 5 | | | n.a. |
| F 30 | 22 37 | 7 8 | 3 51 | 22 22 | 1 22 | 24 27 | 1 7 | 21 2 | 0 21 | 23 33 | 0 37 | 14 46 | 2 19 | 5 35 | 0 28 | 15 30 | 1 25 | 19 41 | 15 53 | 19 35 | 19 27 | 9 7 | | | n.a. |
| S 31 | 22n29 | 2n48 | 4n31 | 21n55 | 1n18 | 24n20 | 1n 8 | 21n10 | 0n22 | 23s32 | 0s37 | 14n44 | 2n19 | 5s36 | 0n28 | 15s29 | 1n25 | 19n40 | 15n52 | 19n35 | 19n27 | 9s 9 | | | n.a. |

Julian Day Number = 1003522.5, Delta T = 12h48m22s
Ecliptic obliquity = 23°55'08, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'21, Lahiri = -31°03'21 Julian Calendar 1 July 1966 BCE == Greg. Calendar 14 June 1966 BCE

The year -1965 astronomical counting style corresponds to year 1966 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## AUGUST 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 29 46 | 20♋25'40 | 15♎20 | 1♌15 | 14♋48 | 1♊50 | 13°R47 | 27♌38 | 15♎ 2 | 15°R38 | 17♍12 | 4°R15 | 4♌42 | 6♏45 | n.a. | S 1 |
| M 2 | 19 33 43 | 21°24'18 | 27°15 | 2°57 | 16° 3 | 2°27 | 13♐42 | 27°45 | 15° 3 | 15♏37 | 17°14 | 4♌15 | 4°39 | 6°52 | n.a. | M 2 |
| T 3 | 19 37 40 | 22°22'57 | 9♏ 8 | 4°37 | 17°18 | 3° 3 | 13°37 | 27°51 | 15° 4 | 15°37 | 17°16 | 4°15 | 4°36 | 6°59 | n.a. | T 3 |
| W 4 | 19 41 36 | 23°21'38 | 21° 4 | 6°17 | 18°33 | 3°40 | 13°33 | 27°57 | 15° 5 | 15°36 | 17°17 | 4°14 | 4°33 | 7° 6 | n.a. | W 4 |
| T 5 | 19 45 33 | 24°20'22 | 3♐ 5 | 7°55 | 19°48 | 4°17 | 13°29 | 28° 3 | 15° 7 | 15°36 | 17°19 | 4°13 | 4°29 | 7°12 | n.a. | T 5 |
| F 6 | 19 49 29 | 25°19'07 | 15°17 | 9°32 | 21° 2 | 4°53 | 13°25 | 28°10 | 15° 8 | 15°36 | 17°21 | 4°11 | 4°26 | 7°19 | n.a. | F 6 |
| S 7 | 19 53 26 | 26°17'54 | 27°42 | 11° 9 | 22°17 | 5°29 | 13°21 | 28°16 | 15° 9 | 15°36 | 17°22 | 4°10 | 4°23 | 7°26 | n.a. | S 7 |
| S 8 | 19 57 22 | 27°16'43 | 10♑22 | 12°44 | 23°32 | 6° 6 | 13°17 | 28°22 | 15°11 | 15°35 | 17°24 | 4° 9 | 4°20 | 7°32 | n.a. | S 8 |
| M 9 | 20 1 19 | 28°15'35 | 23°17 | 14°19 | 24°47 | 6°42 | 13°14 | 28°29 | 15°12 | 15°35 | 17°26 | 4° 9 | 4°17 | 7°39 | n.a. | M 9 |
| T 10 | 20 5 15 | 29°14'28 | 6♒29 | 15°52 | 26° 2 | 7°18 | 13°10 | 28°35 | 15°14 | 15°35 | 17°28 | 4°D 9 | 4°13 | 7°46 | n.a. | T 10 |
| W11 | 20 9 12 | 0♌13'24 | 19°55 | 17°24 | 27°17 | 7°55 | 13° 7 | 28°42 | 15°15 | 15°35 | 17°29 | 4° 9 | 4°10 | 7°53 | n.a. | W11 |
| T 12 | 20 13 8 | 1°12'22 | 3♓35 | 18°56 | 28°32 | 8°31 | 13° 4 | 28°48 | 15°17 | 15°35 | 17°31 | 4° 9 | 4° 7 | 7°59 | n.a. | T 12 |
| F 13 | 20 17 5 | 2°11'22 | 17°26 | 20°26 | 29°47 | 9° 7 | 13° 2 | 28°55 | 15°18 | 15°35 | 17°33 | 4° 9 | 4° 4 | 8° 6 | n.a. | F 13 |
| S 14 | 20 21 2 | 3°10'25 | 1♈27 | 21°56 | 1♌ 2 | 9°43 | 12°59 | 29° 2 | 15°20 | 15°34 | 17°35 | 4°10 | 4° 1 | 8°13 | n.a. | S 14 |
| S 15 | 20 24 58 | 4° 9'30 | 15°34 | 23°25 | 2°18 | 10°19 | 12°57 | 29° 8 | 15°22 | 15°D34 | 17°37 | 4°R10 | 3°58 | 8°20 | n.a. | S 15 |
| M16 | 20 28 55 | 5° 8'37 | 29°45 | 24°52 | 3°33 | 10°55 | 12°54 | 29°15 | 15°23 | 15°34 | 17°39 | 4°D10 | 3°54 | 8°26 | n.a. | M16 |
| T 17 | 20 32 51 | 6° 7'47 | 13♉58 | 26°19 | 4°48 | 11°30 | 12°52 | 29°22 | 15°25 | 15°35 | 17°41 | 4°10 | 3°51 | 8°33 | n.a. | T 17 |
| W18 | 20 36 48 | 7° 7'00 | 28°11 | 27°45 | 6° 3 | 12° 6 | 12°51 | 29°28 | 15°27 | 15°35 | 17°43 | 4°10 | 3°48 | 8°40 | n.a. | W18 |
| T 19 | 20 40 44 | 8° 6'16 | 12♊20 | 29° 9 | 7°18 | 12°42 | 12°49 | 29°35 | 15°29 | 15°35 | 17°45 | 4°10 | 3°45 | 8°46 | n.a. | T 19 |
| F 20 | 20 44 41 | 9° 5'33 | 26°24 | 0♍33 | 8°33 | 13°17 | 12°48 | 29°42 | 15°31 | 15°35 | 17°47 | 4°10 | 3°42 | 8°53 | n.a. | F 20 |
| S 21 | 20 48 37 | 10° 4'54 | 10♋19 | 1°55 | 9°49 | 13°53 | 12°46 | 29°49 | 15°33 | 15°35 | 17°49 | 4°11 | 3°38 | 9° 0 | n.a. | S 21 |
| S 22 | 20 52 34 | 11° 4'16 | 24° 3 | 3°17 | 11° 4 | 14°28 | 12°45 | 29°56 | 15°35 | 15°35 | 17°51 | 4°11 | 3°35 | 9° 7 | n.a. | S 22 |
| M23 | 20 56 30 | 12° 3'41 | 7♌34 | 4°37 | 12°19 | 15° 4 | 12°44 | 0♍ 3 | 15°37 | 15°36 | 17°53 | 4°R11 | 3°32 | 9°13 | n.a. | M23 |
| T 24 | 21 0 27 | 13° 3'09 | 20°49 | 5°56 | 13°34 | 15°39 | 12°44 | 0° 9 | 15°39 | 15°36 | 17°55 | 4°11 | 3°29 | 9°20 | n.a. | T 24 |
| W25 | 21 4 24 | 14° 2'38 | 3♍48 | 7°14 | 14°50 | 16°14 | 12°43 | 0°16 | 15°41 | 15°36 | 17°57 | 4°10 | 3°26 | 9°27 | n.a. | W25 |
| T 26 | 21 8 20 | 15° 2'09 | 16°30 | 8°30 | 16° 5 | 16°49 | 12°43 | 0°23 | 15°43 | 15°36 | 17°59 | 4° 9 | 3°23 | 9°33 | n.a. | T 26 |
| F 27 | 21 12 17 | 16° 1'42 | 28°56 | 9°45 | 17°20 | 17°24 | 12°D43 | 0°30 | 15°46 | 15°37 | 18° 1 | 4° 7 | 3°19 | 9°40 | n.a. | F 27 |
| S 28 | 21 16 13 | 17° 1'18 | 11♎ 9 | 10°59 | 18°35 | 17°59 | 12°43 | 0°37 | 15°48 | 15°37 | 18° 3 | 4° 5 | 3°16 | 9°47 | n.a. | S 28 |
| S 29 | 21 20 10 | 18° 0'55 | 23°11 | 12°10 | 19°51 | 18°34 | 12°44 | 0°44 | 15°50 | 15°38 | 18° 6 | 4° 4 | 3°13 | 9°54 | n.a. | S 29 |
| M30 | 21 24 6 | 19° 0'35 | 5♏ 7 | 13°20 | 21° 6 | 19° 9 | 12°44 | 0°51 | 15°53 | 15°38 | 18° 8 | 4° 3 | 3°10 | 10° 0 | n.a. | M30 |
| T 31 | 21 28 3 | 20♌ 0'16 | 16♏59 | 14♍29 | 22♌21 | 19♊44 | 12♐45 | 0♍58 | 15♎55 | 15♏39 | 18♍10 | 4°D 2 | 3♌ 7 | 10♏ 7 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n20 | 1s34 | 4n59 | 21n28 | 1n13 | 24n14 | 1n 9 | 21n19 | 0n23 | 23s32 | 0s38 | 14n42 | 2n19 | 5s36 | 0n28 | 15s29 | 1n25 | 19n39 | 15n52 | 19n35 | 19n28 | 9s11 | | n.a. |
| M 2 | 22 11 | 5 50 | 5 14 | 20 59 | 1 7 | 24 6 | 1 11 | 21 27 | 0 23 | 23 31 | 0 38 | 14 39 | 2 18 | 5 37 | 0 28 | 15 29 | 1 25 | 19 38 | 15 51 | 19 35 | 19 29 | 9 14 | | n.a. |
| T 3 | 22 1 | 9 51 | 5 15 | 20 30 | 1 2 | 23 58 | 1 12 | 21 35 | 0 24 | 23 31 | 0 38 | 14 37 | 2 18 | 5 37 | 0 28 | 15 29 | 1 25 | 19 37 | 15 51 | 19 35 | 19 30 | 9 16 | | n.a. |
| W 4 | 21 51 | 13 31 | 5 3 | 19 59 | 0 56 | 23 49 | 1 13 | 21 43 | 0 25 | 23 30 | 0 38 | 14 35 | 2 18 | 5 38 | 0 28 | 15 29 | 1 25 | 19 36 | 15 50 | 19 35 | 19 31 | 9 18 | | n.a. |
| T 5 | 21 41 | 16 40 | 4 37 | 19 28 | 0 50 | 23 39 | 1 14 | 21 51 | 0 26 | 23 30 | 0 38 | 14 32 | 2 18 | 5 38 | 0 28 | 15 29 | 1 25 | 19 35 | 15 50 | 19 35 | 19 31 | 9 20 | | n.a. |
| F 6 | 21 30 | 19 8 | 3 59 | 18 56 | 0 44 | 23 29 | 1 15 | 21 58 | 0 27 | 23 30 | 0 38 | 14 30 | 2 18 | 5 39 | 0 28 | 15 29 | 1 25 | 19 33 | 15 50 | 19 36 | 19 32 | 9 23 | | n.a. |
| S 7 | 21 19 | 20 45 | 3 8 | 18 23 | 0 38 | 23 17 | 1 16 | 22 6 | 0 27 | 23 29 | 0 38 | 14 28 | 2 18 | 5 39 | 0 28 | 15 29 | 1 25 | 19 32 | 15 49 | 19 36 | 19 33 | 9 25 | | n.a. |
| S 8 | 21 7 | 21 23 | 2 8 | 17 49 | 0 31 | 23 5 | 1 17 | 22 13 | 0 28 | 23 29 | 0 38 | 14 25 | 2 18 | 5 40 | 0 28 | 15 29 | 1 25 | 19 31 | 15 49 | 19 36 | 19 34 | 9 27 | | n.a. |
| M 9 | 20 55 | 20 53 | 1 0 | 17 15 | 0 24 | 22 53 | 1 18 | 22 20 | 0 29 | 23 28 | 0 38 | 14 23 | 2 18 | 5 40 | 0 28 | 15 29 | 1 25 | 19 30 | 15 48 | 19 36 | 19 34 | 9 29 | | n.a. |
| T 10 | 20 43 | 19 14 | 0s13 | 16 41 | 0 17 | 22 39 | 1 19 | 22 27 | 0 30 | 23 28 | 0 38 | 14 21 | 2 18 | 5 41 | 0 28 | 15 29 | 1 25 | 19 29 | 15 48 | 19 36 | 19 35 | 9 32 | | n.a. |
| W11 | 20 30 | 16 30 | 1 26 | 16 6 | 0 10 | 22 25 | 1 20 | 22 34 | 0 31 | 23 28 | 0 38 | 14 18 | 2 18 | 5 42 | 0 28 | 15 29 | 1 25 | 19 28 | 15 47 | 19 36 | 19 36 | 9 34 | | n.a. |
| T 12 | 20 17 | 12 49 | 2 36 | 15 30 | 0 3 | 22 11 | 1 21 | 22 41 | 0 31 | 23 27 | 0 38 | 14 16 | 2 18 | 5 42 | 0 28 | 15 29 | 1 25 | 19 27 | 15 47 | 19 36 | 19 37 | 9 36 | | n.a. |
| F 13 | 20 4 | 8 23 | 3 38 | 14 54 | 0s 4 | 21 55 | 1 21 | 22 47 | 0 32 | 23 27 | 0 38 | 14 13 | 2 18 | 5 43 | 0 28 | 15 29 | 1 25 | 19 26 | 15 47 | 19 36 | 19 38 | 9 38 | | n.a. |
| S 14 | 19 50 | 3 29 | 4 27 | 14 18 | 0 11 | 21 39 | 1 22 | 22 54 | 0 33 | 23 27 | 0 38 | 14 11 | 2 17 | 5 44 | 0 28 | 15 29 | 1 25 | 19 25 | 15 46 | 19 36 | 19 38 | 9 40 | | n.a. |
| S 15 | 19 36 | 1n38 | 5 1 | 13 42 | 0 19 | 21 23 | 1 22 | 23 0 | 0 34 | 23 26 | 0 38 | 14 9 | 2 17 | 5 44 | 0 28 | 15 29 | 1 24 | 19 23 | 15 46 | 19 36 | 19 39 | 9 43 | | n.a. |
| M16 | 19 22 | 6 41 | 5 16 | 13 5 | 0 26 | 21 5 | 1 23 | 23 6 | 0 35 | 23 26 | 0 38 | 14 6 | 2 17 | 5 45 | 0 28 | 15 29 | 1 24 | 19 22 | 15 45 | 19 36 | 19 40 | 9 45 | | n.a. |
| T 17 | 19 7 | 11 23 | 5 12 | 12 28 | 0 34 | 20 48 | 1 23 | 23 12 | 0 36 | 23 26 | 0 38 | 14 4 | 2 17 | 5 46 | 0 28 | 15 29 | 1 24 | 19 21 | 15 45 | 19 36 | 19 41 | 9 47 | | n.a. |
| W18 | 18 52 | 15 27 | 4 50 | 11 51 | 0 41 | 20 29 | 1 24 | 23 18 | 0 36 | 23 26 | 0 38 | 14 1 | 2 17 | 5 46 | 0 28 | 15 29 | 1 24 | 19 20 | 15 45 | 19 36 | 19 41 | 9 49 | | n.a. |
| T 19 | 18 36 | 18 36 | 4 10 | 11 14 | 0 49 | 20 10 | 1 24 | 23 23 | 0 37 | 23 26 | 0 39 | 13 59 | 2 17 | 5 47 | 0 28 | 15 29 | 1 24 | 19 19 | 15 44 | 19 36 | 19 42 | 9 52 | | n.a. |
| F 20 | 18 20 | 20 38 | 3 15 | 10 37 | 0 56 | 19 50 | 1 24 | 23 29 | 0 38 | 23 25 | 0 39 | 13 56 | 2 17 | 5 48 | 0 28 | 15 30 | 1 24 | 19 18 | 15 44 | 19 36 | 19 43 | 9 54 | | n.a. |
| S 21 | 18 4 | 21 22 | 2 9 | 10 1 | 1 4 | 19 30 | 1 24 | 23 34 | 0 39 | 23 25 | 0 39 | 13 54 | 2 17 | 5 49 | 0 28 | 15 30 | 1 24 | 19 17 | 15 43 | 19 36 | 19 44 | 9 56 | | n.a. |
| S 22 | 17 48 | 20 49 | 0 56 | 9 24 | 1 11 | 19 9 | 1 24 | 23 39 | 0 40 | 23 25 | 0 39 | 13 51 | 2 17 | 5 50 | 0 28 | 15 30 | 1 24 | 19 15 | 15 43 | 19 36 | 19 44 | 9 58 | | n.a. |
| M23 | 17 31 | 19 3 | 0n19 | 8 47 | 1 19 | 18 47 | 1 24 | 23 44 | 0 41 | 23 25 | 0 39 | 13 49 | 2 17 | 5 51 | 0 28 | 15 30 | 1 24 | 19 14 | 15 43 | 19 36 | 19 45 | 10 0 | | n.a. |
| T 24 | 17 14 | 16 16 | 1 31 | 8 11 | 1 27 | 18 26 | 1 24 | 23 49 | 0 41 | 23 25 | 0 39 | 13 46 | 2 17 | 5 51 | 0 28 | 15 30 | 1 24 | 19 13 | 15 42 | 19 36 | 19 46 | 10 3 | | n.a. |
| W25 | 16 57 | 12 44 | 2 37 | 7 35 | 1 34 | 18 3 | 1 24 | 23 54 | 0 42 | 23 25 | 0 39 | 13 44 | 2 17 | 5 52 | 0 28 | 15 30 | 1 24 | 19 12 | 15 42 | 19 36 | 19 47 | 10 5 | | n.a. |
| T 26 | 16 39 | 8 42 | 3 33 | 6 59 | 1 41 | 17 40 | 1 24 | 23 58 | 0 43 | 23 25 | 0 39 | 13 41 | 2 17 | 5 53 | 0 28 | 15 30 | 1 24 | 19 11 | 15 42 | 19 36 | 19 47 | 10 7 | | n.a. |
| F 27 | 16 21 | 4 22 | 4 19 | 6 23 | 1 49 | 17 16 | 1 24 | 24 2 | 0 44 | 23 25 | 0 39 | 13 38 | 2 17 | 5 54 | 0 28 | 15 31 | 1 24 | 19 10 | 15 41 | 19 37 | 19 48 | 10 9 | | n.a. |
| S 28 | 16 3 | 0s 3 | 4 51 | 5 49 | 1 56 | 16 52 | 1 23 | 24 7 | 0 45 | 23 25 | 0 39 | 13 36 | 2 17 | 5 55 | 0 28 | 15 31 | 1 24 | 19 9 | 15 41 | 19 37 | 19 49 | 10 12 | | n.a. |
| S 29 | 15 44 | 4 24 | 5 10 | 5 14 | 2 3 | 16 28 | 1 23 | 24 11 | 0 46 | 23 25 | 0 39 | 13 33 | 2 17 | 5 56 | 0 28 | 15 31 | 1 24 | 19 7 | 15 41 | 19 38 | 19 50 | 10 14 | | n.a. |
| M30 | 15 25 | 8 32 | 5 16 | 4 41 | 2 10 | 16 3 | 1 23 | 24 15 | 0 47 | 23 25 | 0 39 | 13 31 | 2 17 | 5 57 | 0 27 | 15 31 | 1 24 | 19 6 | 15 40 | 19 38 | 19 50 | 10 16 | | n.a. |
| T 31 | 15n 6 | 12s20 | 5n 8 | 4n 8 | 2s17 | 15n38 | 1n22 | 24n18 | 0n48 | 23s25 | 0s39 | 13n28 | 2n17 | 5s58 | 0n27 | 15s31 | 1n24 | 19n 5 | 15n40 | 19n38 | 19n51 | 10s18 | | n.a. |

Julian Day Number = 1003553.5, Delta T = 12h48m20s
Ecliptic obliquity = 23°55'09, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'17, Lahiri = -31°03'17 Julian Calendar 1 Aug. 1966 BCE == Greg. Calendar 15 July 1966 BCE

The year -1965 astronomical counting style corresponds to year 1966 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## SEPTEMBER 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 31 59 | 20♌59'59 | 28♏54 | 15♍35 | 23♌37 | 20♊18 | 12♐46 | 1♍ 5 | 15♎58 | 15♏39 | 18♍12 | 4♌ 2 | 3♌ 4 | 10♏14 | n.a. | W 1 |
| T 2 | 21 35 56 | 21°59'44 | 10♐55 | 16°38 | 24°52 | 20°53 | 12°47 | 1°12 | 16° 0 | 15°40 | 18°14 | 4° 3 | 3° 0 | 10°21 | n.a. | T 2 |
| F 3 | 21 39 52 | 22°59'31 | 23° 7 | 17°40 | 26° 7 | 21°27 | 12°49 | 1°19 | 16° 3 | 15°40 | 18°17 | 4° 4 | 2°57 | 10°27 | n.a. | F 3 |
| S 4 | 21 43 49 | 23°59'20 | 5♑35 | 18°38 | 27°23 | 22° 2 | 12°50 | 1°26 | 16° 5 | 15°41 | 18°19 | 4° 6 | 2°54 | 10°34 | n.a. | S 4 |
| S 5 | 21 47 46 | 24°59'11 | 18°22 | 19°34 | 28°38 | 22°36 | 12°52 | 1°34 | 16° 8 | 15°42 | 18°21 | 4° 7 | 2°51 | 10°41 | n.a. | S 5 |
| M 6 | 21 51 42 | 25°59'04 | 1♒29 | 20°26 | 29°54 | 23°10 | 12°54 | 1°41 | 16°10 | 15°43 | 18°24 | 4°R 8 | 2°48 | 10°47 | n.a. | M 6 |
| T 7 | 21 55 39 | 26°58'59 | 14°59 | 21°14 | 1♍ 9 | 23°44 | 12°56 | 1°48 | 16°13 | 15°43 | 18°26 | 4° 8 | 2°44 | 10°54 | n.a. | T 7 |
| W 8 | 21 59 35 | 27°58'56 | 28°49 | 21°59 | 2°24 | 24°18 | 12°59 | 1°55 | 16°16 | 15°44 | 18°28 | 4° 6 | 2°41 | 11° 1 | n.a. | W 8 |
| T 9 | 22 3 32 | 28°58'55 | 12♓57 | 22°39 | 3°40 | 24°52 | 13° 1 | 2° 2 | 16°19 | 15°45 | 18°30 | 4° 3 | 2°38 | 11° 8 | n.a. | T 9 |
| F 10 | 22 7 28 | 29°58'56 | 27°18 | 23°15 | 4°55 | 25°26 | 13° 4 | 2° 9 | 16°21 | 15°46 | 18°33 | 4° 0 | 2°35 | 11°14 | n.a. | F 10 |
| S 11 | 22 11 25 | 0♍58'59 | 11♈46 | 23°44 | 6°10 | 26° 0 | 13° 7 | 2°16 | 16°24 | 15°47 | 18°35 | 3°56 | 2°32 | 11°21 | n.a. | S 11 |
| S 12 | 22 15 21 | 1°59'04 | 26°16 | 24° 8 | 7°26 | 26°33 | 13°10 | 2°23 | 16°27 | 15°48 | 18°37 | 3°52 | 2°29 | 11°28 | n.a. | S 12 |
| M13 | 22 19 18 | 2°59'12 | 10♉42 | 24°26 | 8°41 | 27° 7 | 13°13 | 2°30 | 16°30 | 15°48 | 18°40 | 3°49 | 2°25 | 11°35 | n.a. | M13 |
| T 14 | 22 23 14 | 3°59'23 | 25° 0 | 24°36 | 9°57 | 27°40 | 13°17 | 2°38 | 16°33 | 15°49 | 18°42 | 3°48 | 2°22 | 11°41 | n.a. | T 14 |
| W15 | 22 27 11 | 4°59'35 | 9♊ 7 | 24°R38 | 11°12 | 28°14 | 13°20 | 2°45 | 16°36 | 15°50 | 18°45 | 3°D48 | 2°19 | 11°48 | n.a. | W15 |
| T 16 | 22 31 8 | 5°59'50 | 23° 3 | 24°33 | 12°27 | 28°47 | 13°24 | 2°52 | 16°39 | 15°51 | 18°47 | 3°48 | 2°16 | 11°55 | n.a. | T 16 |
| F 17 | 22 35 4 | 7° 0'07 | 6♋45 | 24°18 | 13°43 | 29°20 | 13°28 | 2°59 | 16°42 | 15°53 | 18°49 | 3°50 | 2°13 | 12° 1 | n.a. | F 17 |
| S 18 | 22 39 1 | 8° 0'27 | 20°15 | 23°54 | 14°58 | 29°53 | 13°33 | 3° 6 | 16°45 | 15°54 | 18°52 | 3°51 | 2°10 | 12° 8 | n.a. | S 18 |
| S 19 | 22 42 57 | 9° 0'48 | 3♌32 | 23°20 | 16°14 | 0♋26 | 13°37 | 3°13 | 16°48 | 15°55 | 18°54 | 3°R52 | 2° 6 | 12°15 | n.a. | S 19 |
| M20 | 22 46 54 | 10° 1'12 | 16°38 | 22°37 | 17°29 | 0°59 | 13°42 | 3°20 | 16°51 | 15°56 | 18°57 | 3°51 | 2° 3 | 12°22 | n.a. | M20 |
| T 21 | 22 50 50 | 11° 1'37 | 29°32 | 21°45 | 18°44 | 1°31 | 13°47 | 3°27 | 16°54 | 15°57 | 18°59 | 3°49 | 2° 0 | 12°28 | n.a. | T 21 |
| W22 | 22 54 47 | 12° 2'04 | 12♍14 | 20°44 | 20° 0 | 2° 4 | 13°52 | 3°34 | 16°57 | 15°58 | 19° 2 | 3°44 | 1°57 | 12°35 | n.a. | W22 |
| T 23 | 22 58 43 | 13° 2'34 | 24°45 | 19°36 | 21°15 | 2°36 | 13°57 | 3°41 | 17° 1 | 16° 0 | 19° 4 | 3°38 | 1°54 | 12°42 | n.a. | T 23 |
| F 24 | 23 2 40 | 14° 3'05 | 7♎ 4 | 18°22 | 22°31 | 3° 9 | 14° 2 | 3°48 | 17° 4 | 16° 1 | 19° 6 | 3°30 | 1°50 | 12°48 | n.a. | F 24 |
| S 25 | 23 6 36 | 15° 3'37 | 19°12 | 17° 4 | 23°46 | 3°41 | 14° 8 | 3°55 | 17° 7 | 16° 2 | 19° 9 | 3°22 | 1°47 | 12°55 | n.a. | S 25 |
| S 26 | 23 10 33 | 16° 4'11 | 1♏12 | 15°44 | 25° 2 | 4°13 | 14°13 | 4° 2 | 17°10 | 16° 3 | 19°11 | 3°14 | 1°44 | 13° 2 | n.a. | S 26 |
| M27 | 23 14 30 | 17° 4'47 | 13° 6 | 14°25 | 26°17 | 4°45 | 14°19 | 4° 9 | 17°14 | 16° 5 | 19°14 | 3° 8 | 1°41 | 13° 9 | n.a. | M27 |
| T 28 | 23 18 26 | 18° 5'25 | 24°56 | 13°10 | 27°32 | 5°17 | 14°25 | 4°16 | 17°17 | 16° 6 | 19°16 | 3° 3 | 1°38 | 13°15 | n.a. | T 28 |
| W29 | 23 22 23 | 19° 6'04 | 6♐48 | 12° 1 | 28°48 | 5°48 | 14°31 | 4°23 | 17°20 | 16° 8 | 19°19 | 3° 0 | 1°35 | 13°22 | n.a. | W29 |
| T 30 | 23 26 19 | 20♍ 6'44 | 18♐46 | 11♍ 0 | 0♎ 3 | 6♋20 | 14♐38 | 4♍30 | 17♎24 | 16♏ 9 | 19♍21 | 2°D59 | 1♌31 | 13♏29 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14n47 | 15s39 | 4n47 | 3n36 | 2s23 | 15n12 | 1n22 | 24n22 | 0n49 | 23s26 | 0s39 | 13n26 | 2n17 | 5s59 | 0n27 | 15s32 | 1n24 | 19n 4 | 15n40 | 19n38 | 19n52 | 10s20 | | n.a. |
| T 2 | 14 27 | 18 21 | 4 13 | 3 5 | 2 30 | 14 46 | 1 21 | 24 25 | 0 49 | 23 26 | 0 39 | 13 23 | 2 17 | 6 0 | 0 27 | 15 32 | 1 23 | 19 3 | 15 40 | 19 38 | 19 53 | 10 23 | | n.a. |
| F 3 | 14 8 | 20 17 | 3 27 | 2 36 | 2 36 | 14 19 | 1 20 | 24 29 | 0 50 | 23 26 | 0 39 | 13 21 | 2 17 | 6 1 | 0 27 | 15 32 | 1 23 | 19 2 | 15 39 | 19 37 | 19 53 | 10 25 | | n.a. |
| S 4 | 13 47 | 21 17 | 2 31 | 2 7 | 2 41 | 13 52 | 1 19 | 24 32 | 0 51 | 23 26 | 0 39 | 13 18 | 2 17 | 6 2 | 0 27 | 15 32 | 1 23 | 19 0 | 15 39 | 19 37 | 19 54 | 10 27 | | n.a. |
| S 5 | 13 27 | 21 13 | 1 26 | 1 40 | 2 47 | 13 25 | 1 19 | 24 35 | 0 52 | 23 26 | 0 39 | 13 15 | 2 17 | 6 3 | 0 27 | 15 32 | 1 23 | 18 59 | 15 39 | 19 37 | 19 55 | 10 29 | | n.a. |
| M 6 | 13 7 | 19 59 | 0 15 | 1 15 | 2 51 | 12 57 | 1 18 | 24 37 | 0 53 | 23 27 | 0 39 | 13 13 | 2 17 | 6 4 | 0 27 | 15 33 | 1 23 | 18 58 | 15 39 | 19 37 | 19 56 | 10 31 | | n.a. |
| T 7 | 12 46 | 17 37 | 0s59 | 0 51 | 2 56 | 12 29 | 1 17 | 24 40 | 0 54 | 23 27 | 0 39 | 13 10 | 2 17 | 6 5 | 0 27 | 15 33 | 1 23 | 18 57 | 15 38 | 19 37 | 19 56 | 10 34 | | n.a. |
| W 8 | 12 25 | 14 10 | 2 12 | 0 30 | 3 0 | 12 0 | 1 16 | 24 43 | 0 55 | 23 27 | 0 39 | 13 8 | 2 17 | 6 6 | 0 27 | 15 33 | 1 23 | 18 56 | 15 38 | 19 37 | 19 57 | 10 36 | | n.a. |
| T 9 | 12 4 | 9 51 | 3 17 | 0 11 | 3 3 | 11 31 | 1 15 | 24 45 | 0 56 | 23 28 | 0 39 | 13 5 | 2 17 | 6 7 | 0 27 | 15 34 | 1 23 | 18 55 | 15 38 | 19 38 | 19 58 | 10 38 | | n.a. |
| F 10 | 11 42 | 4 55 | 4 11 | 0s 6 | 3 6 | 11 2 | 1 14 | 24 47 | 0 57 | 23 28 | 0 39 | 13 2 | 2 17 | 6 8 | 0 27 | 15 34 | 1 23 | 18 54 | 15 38 | 19 39 | 19 59 | 10 40 | | n.a. |
| S 11 | 11 21 | 0n19 | 4 50 | 0 20 | 3 8 | 10 33 | 1 13 | 24 49 | 0 58 | 23 28 | 0 39 | 13 0 | 2 17 | 6 9 | 0 27 | 15 34 | 1 23 | 18 52 | 15 38 | 19 39 | 19 59 | 10 42 | | n.a. |
| S 12 | 10 59 | 5 32 | 5 10 | 0 30 | 3 9 | 10 3 | 1 11 | 24 51 | 0 59 | 23 29 | 0 39 | 12 57 | 2 17 | 6 11 | 0 27 | 15 35 | 1 23 | 18 51 | 15 37 | 19 40 | 20 0 | 10 45 | | n.a. |
| M13 | 10 37 | 10 25 | 5 11 | 0 37 | 3 9 | 9 33 | 1 10 | 24 53 | 1 0 | 23 29 | 0 39 | 12 55 | 2 17 | 6 12 | 0 27 | 15 35 | 1 23 | 18 50 | 15 37 | 19 41 | 20 1 | 10 47 | | n.a. |
| T 14 | 10 14 | 14 41 | 4 52 | 0 40 | 3 7 | 9 3 | 1 9 | 24 55 | 1 1 | 23 30 | 0 39 | 12 52 | 2 17 | 6 13 | 0 27 | 15 35 | 1 23 | 18 49 | 15 37 | 19 41 | 20 2 | 10 49 | | n.a. |
| W15 | 9 52 | 18 3 | 4 16 | 0 39 | 3 5 | 8 33 | 1 7 | 24 56 | 1 2 | 23 30 | 0 39 | 12 49 | 2 17 | 6 14 | 0 27 | 15 36 | 1 23 | 18 48 | 15 37 | 19 41 | 20 2 | 10 51 | | n.a. |
| T 16 | 9 30 | 20 20 | 3 25 | 0 33 | 3 1 | 8 2 | 1 6 | 24 58 | 1 3 | 23 31 | 0 39 | 12 47 | 2 17 | 6 15 | 0 27 | 15 36 | 1 23 | 18 47 | 15 37 | 19 41 | 20 3 | 10 53 | | n.a. |
| F 17 | 9 7 | 21 22 | 2 23 | 0 22 | 2 56 | 7 31 | 1 4 | 24 59 | 1 4 | 23 31 | 0 39 | 12 44 | 2 17 | 6 17 | 0 27 | 15 36 | 1 23 | 18 46 | 15 37 | 19 41 | 20 4 | 10 56 | | n.a. |
| S 18 | 8 44 | 21 9 | 1 14 | 0 6 | 2 49 | 7 0 | 1 3 | 25 0 | 1 5 | 23 32 | 0 39 | 12 42 | 2 17 | 6 18 | 0 27 | 15 37 | 1 23 | 18 45 | 15 36 | 19 41 | 20 4 | 10 58 | | n.a. |
| S 19 | 8 21 | 19 43 | 0 2 | 0n15 | 2 40 | 6 29 | 1 1 | 25 1 | 1 6 | 23 32 | 0 39 | 12 39 | 2 17 | 6 19 | 0 27 | 15 37 | 1 23 | 18 44 | 15 36 | 19 40 | 20 5 | 11 0 | | n.a. |
| M20 | 7 58 | 17 16 | 1n 9 | 0 42 | 2 30 | 5 57 | 1 0 | 25 2 | 1 7 | 23 33 | 0 39 | 12 36 | 2 17 | 6 20 | 0 27 | 15 37 | 1 22 | 18 42 | 15 36 | 19 41 | 20 6 | 11 2 | | n.a. |
| T 21 | 7 34 | 13 58 | 2 15 | 1 15 | 2 17 | 5 26 | 0 58 | 25 3 | 1 8 | 23 33 | 0 39 | 12 34 | 2 17 | 6 21 | 0 27 | 15 38 | 1 22 | 18 41 | 15 36 | 19 41 | 20 7 | 11 4 | | n.a. |
| W22 | 7 11 | 10 4 | 3 13 | 1 52 | 2 3 | 4 54 | 0 56 | 25 3 | 1 9 | 23 34 | 0 39 | 12 31 | 2 17 | 6 23 | 0 27 | 15 38 | 1 22 | 18 40 | 15 36 | 19 42 | 20 7 | 11 7 | | n.a. |
| T 23 | 6 47 | 5 48 | 4 1 | 2 34 | 1 46 | 4 22 | 0 54 | 25 4 | 1 10 | 23 35 | 0 39 | 12 29 | 2 17 | 6 24 | 0 27 | 15 39 | 1 22 | 18 39 | 15 36 | 19 44 | 20 8 | 11 9 | | n.a. |
| F 24 | 6 24 | 1 22 | 4 37 | 3 20 | 1 29 | 3 50 | 0 53 | 25 4 | 1 11 | 23 35 | 0 39 | 12 26 | 2 17 | 6 25 | 0 27 | 15 39 | 1 22 | 18 38 | 15 36 | 19 46 | 20 9 | 11 11 | | n.a. |
| S 25 | 6 0 | 3s 4 | 4 59 | 4 9 | 1 10 | 3 18 | 0 51 | 25 4 | 1 12 | 23 36 | 0 39 | 12 24 | 2 17 | 6 26 | 0 27 | 15 39 | 1 22 | 18 37 | 15 36 | 19 48 | 20 10 | 11 13 | | n.a. |
| S 26 | 5 36 | 7 19 | 5 8 | 4 59 | 0 50 | 2 46 | 0 49 | 25 4 | 1 13 | 23 37 | 0 39 | 12 21 | 2 17 | 6 28 | 0 27 | 15 40 | 1 22 | 18 36 | 15 36 | 19 49 | 20 10 | 11 15 | | n.a. |
| M27 | 5 12 | 11 16 | 5 4 | 5 48 | 0 29 | 2 13 | 0 47 | 25 4 | 1 14 | 23 37 | 0 39 | 12 18 | 2 18 | 6 29 | 0 27 | 15 40 | 1 22 | 18 35 | 15 36 | 19 51 | 20 11 | 11 18 | | n.a. |
| T 28 | 4 48 | 14 45 | 4 46 | 6 37 | 0 8 | 1 41 | 0 45 | 25 4 | 1 15 | 23 38 | 0 39 | 12 16 | 2 18 | 6 30 | 0 27 | 15 41 | 1 22 | 18 34 | 15 35 | 19 52 | 20 12 | 11 20 | | n.a. |
| W29 | 4 24 | 17 40 | 4 17 | 7 22 | 0n12 | 1 9 | 0 43 | 25 4 | 1 17 | 23 39 | 0 39 | 12 13 | 2 18 | 6 32 | 0 27 | 15 41 | 1 22 | 18 33 | 15 35 | 19 53 | 20 12 | 11 22 | | n.a. |
| T 30 | 4n 0 | 19s51 | 3n36 | 8n 4 | 0n31 | 0n36 | 0n41 | 25n 3 | 1n18 | 23s40 | 0s39 | 12n11 | 2n18 | 6s33 | 0n27 | 15s42 | 1n22 | 18n32 | 15n35 | 19n53 | 20n13 | 11s24 | | n.a. |

Julian Day Number = 1003584.5, Delta T = 12h48m18s
Ecliptic obliquity = 23°55'09, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'13, Lahiri = -31°03'13 Julian Calendar 1 Sept. 1966 BCE == Greg. Calendar 15 Aug. 1966 BCE

The year -1965 astronomical counting style corresponds to year 1966 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## OCTOBER 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 30 16 | 21♍ 7'26 | 0♉55 | 10°R 9 | 1♎18 | 6♋51 | 14♐44 | 4♍37 | 17♎27 | 16♏11 | 19♍23 | 2♌59 | 1♌28 | 13♏35 | n.a. | F 1 |
| S 2 | 23 34 12 | 22° 8'09 | 13°19 | 9♍28 | 2°34 | 7°23 | 14°51 | 4°44 | 17°30 | 16°12 | 19°26 | 3° 1 | 1°25 | 13°42 | n.a. | S 2 |
| S 3 | 23 38 9 | 23° 8'53 | 26° 4 | 8°59 | 3°49 | 7°54 | 14°58 | 4°51 | 17°34 | 16°14 | 19°28 | 3° 2 | 1°22 | 13°49 | n.a. | S 3 |
| M 4 | 23 42 5 | 24° 9'39 | 9♒14 | 8°42 | 5° 5 | 8°25 | 15° 5 | 4°58 | 17°37 | 16°15 | 19°31 | 3°R 2 | 1°19 | 13°56 | n.a. | M 4 |
| T 5 | 23 46 2 | 25°10'26 | 22°51 | 8°D37 | 6°20 | 8°56 | 15°12 | 5° 5 | 17°41 | 16°17 | 19°33 | 3° 0 | 1°15 | 14° 2 | n.a. | T 5 |
| W 6 | 23 49 59 | 26°11'14 | 6♓55 | 8°42 | 7°35 | 9°26 | 15°19 | 5°12 | 17°44 | 16°18 | 19°36 | 2°56 | 1°12 | 14° 9 | n.a. | W 6 |
| T 7 | 23 53 55 | 27°12'03 | 21°23 | 8°58 | 8°51 | 9°57 | 15°27 | 5°18 | 17°48 | 16°20 | 19°38 | 2°49 | 1° 9 | 14°16 | n.a. | T 7 |
| F 8 | 23 57 52 | 28°12'54 | 6♈10 | 9°23 | 10° 6 | 10°27 | 15°34 | 5°25 | 17°51 | 16°22 | 19°41 | 2°41 | 1° 6 | 14°23 | n.a. | F 8 |
| S 9 | 0 1 48 | 29°13'47 | 21° 7 | 9°57 | 11°21 | 10°58 | 15°42 | 5°32 | 17°55 | 16°23 | 19°43 | 2°32 | 1° 3 | 14°29 | n.a. | S 9 |
| S 10 | 0 5 45 | 0♎14'41 | 6♉ 5 | 10°39 | 12°37 | 11°28 | 15°50 | 5°39 | 17°58 | 16°25 | 19°45 | 2°23 | 1° 0 | 14°36 | n.a. | S 10 |
| M11 | 0 9 41 | 1°15'36 | 20°55 | 11°28 | 13°52 | 11°58 | 15°58 | 5°45 | 18° 2 | 16°27 | 19°48 | 2°15 | 0°56 | 14°43 | n.a. | M11 |
| T 12 | 0 13 38 | 2°16'33 | 5♊30 | 12°23 | 15° 7 | 12°28 | 16° 6 | 5°52 | 18° 5 | 16°28 | 19°50 | 2°10 | 0°53 | 14°49 | n.a. | T 12 |
| W13 | 0 17 34 | 3°17'32 | 19°45 | 13°23 | 16°22 | 12°57 | 16°15 | 5°59 | 18° 9 | 16°30 | 19°53 | 2° 7 | 0°50 | 14°56 | n.a. | W13 |
| T 14 | 0 21 31 | 4°18'32 | 3♋40 | 14°28 | 17°38 | 13°27 | 16°23 | 6° 5 | 18°12 | 16°32 | 19°55 | 2°D 6 | 0°47 | 15° 3 | n.a. | T 14 |
| F 15 | 0 25 28 | 5°19'34 | 17°14 | 15°37 | 18°53 | 13°56 | 16°32 | 6°12 | 18°16 | 16°34 | 19°57 | 2° 6 | 0°44 | 15°10 | n.a. | F 15 |
| S 16 | 0 29 24 | 6°20'37 | 0♌29 | 16°50 | 20° 8 | 14°25 | 16°41 | 6°18 | 18°20 | 16°36 | 20° 0 | 2°R 7 | 0°41 | 15°16 | n.a. | S 16 |
| S 17 | 0 33 21 | 7°21'42 | 13°29 | 18° 5 | 21°24 | 14°54 | 16°50 | 6°25 | 18°23 | 16°37 | 20° 2 | 2° 6 | 0°37 | 15°23 | n.a. | S 17 |
| M18 | 0 37 17 | 8°22'48 | 26°14 | 19°23 | 22°39 | 15°23 | 16°59 | 6°31 | 18°27 | 16°39 | 20° 4 | 2° 4 | 0°34 | 15°30 | n.a. | M18 |
| T 19 | 0 41 14 | 9°23'55 | 8♍49 | 20°43 | 23°54 | 15°51 | 17° 8 | 6°37 | 18°31 | 16°41 | 20° 7 | 1°58 | 0°31 | 15°36 | n.a. | T 19 |
| W20 | 0 45 10 | 10°25'04 | 21°13 | 22° 5 | 25° 9 | 16°20 | 17°17 | 6°44 | 18°34 | 16°43 | 20° 9 | 1°50 | 0°28 | 15°43 | n.a. | W20 |
| T 21 | 0 49 7 | 11°26'13 | 3♎29 | 23°29 | 26°24 | 16°48 | 17°27 | 6°50 | 18°38 | 16°45 | 20°11 | 1°38 | 0°25 | 15°50 | n.a. | T 21 |
| F 22 | 0 53 3 | 12°27'23 | 15°38 | 24°54 | 27°40 | 17°16 | 17°36 | 6°56 | 18°42 | 16°47 | 20°14 | 1°25 | 0°21 | 15°57 | n.a. | F 22 |
| S 23 | 0 57 0 | 13°28'35 | 27°40 | 26°20 | 28°55 | 17°44 | 17°46 | 7° 3 | 18°45 | 16°49 | 20°16 | 1°11 | 0°18 | 16° 3 | n.a. | S 23 |
| S 24 | 1 0 57 | 14°29'47 | 9♏36 | 27°47 | 0♏10 | 18°11 | 17°56 | 7° 9 | 18°49 | 16°51 | 20°18 | 0°57 | 0°15 | 16°10 | n.a. | S 24 |
| M25 | 1 4 53 | 15°31'00 | 21°28 | 29°14 | 1°25 | 18°38 | 18° 6 | 7°15 | 18°53 | 16°53 | 20°21 | 0°45 | 0°12 | 16°17 | n.a. | M25 |
| T 26 | 1 8 50 | 16°32'13 | 3♐17 | 0♎43 | 2°41 | 19° 5 | 18°16 | 7°21 | 18°56 | 16°55 | 20°23 | 0°34 | 0° 9 | 16°23 | n.a. | T 26 |
| W27 | 1 12 46 | 17°33'27 | 15° 8 | 2°12 | 3°56 | 19°32 | 18°26 | 7°27 | 19° 0 | 16°57 | 20°25 | 0°27 | 0° 6 | 16°30 | n.a. | W27 |
| T 28 | 1 16 43 | 18°34'42 | 27° 3 | 3°42 | 5°11 | 19°59 | 18°36 | 7°33 | 19° 4 | 16°59 | 20°27 | 0°23 | 0° 2 | 16°37 | n.a. | T 28 |
| F 29 | 1 20 39 | 19°35'57 | 9♑ 7 | 5°12 | 6°26 | 20°25 | 18°47 | 7°39 | 19° 7 | 17° 1 | 20°30 | 0°21 | 29♋59 | 16°44 | n.a. | F 29 |
| S 30 | 1 24 36 | 20°37'13 | 21°26 | 6°42 | 7°41 | 20°52 | 18°57 | 7°45 | 19°11 | 17° 3 | 20°32 | 0°D21 | 29°56 | 16°50 | n.a. | S 30 |
| S 31 | 1 28 32 | 21♎38'28 | 4♒ 5 | 8♎13 | 8♏56 | 21♋17 | 19♐ 8 | 7♍50 | 19♎15 | 17♏ 5 | 20♍34 | 0°R21 | 29♋53 | 16♏57 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3n35 | 21s11 | 2n44 | 8n40 | 0n49 | 0n 4 | 0n39 | 25n 3 | 1n19 | 23s40 | 0s39 | 12n 8 | 2n18 | 6s34 | 0n27 | 15s42 | 1n22 | 18n31 | 15n35 | 19n53 | 20n14 | 11s26 | | n.a. |
| S 2 | 3 11 | 21 31 | 1 44 | 9 11 | 1 6 | 0s29 | 0 37 | 25 2 | 1 20 | 23 41 | 0 39 | 12 6 | 2 18 | 6 36 | 0 27 | 15 43 | 1 22 | 18 30 | 15 35 | 19 53 | 20 15 | 11 29 | | n.a. |
| S 3 | 2 46 | 20 45 | 0 37 | 9 36 | 1 21 | 1 1 | 0 34 | 25 2 | 1 21 | 23 42 | 0 39 | 12 3 | 2 18 | 6 37 | 0 27 | 15 43 | 1 22 | 18 29 | 15 35 | 19 52 | 20 15 | 11 31 | | n.a. |
| M 4 | 2 22 | 18 50 | 0s33 | 9 55 | 1 34 | 1 34 | 0 32 | 25 1 | 1 22 | 23 43 | 0 39 | 12 1 | 2 18 | 6 38 | 0 27 | 15 44 | 1 22 | 18 28 | 15 35 | 19 52 | 20 16 | 11 33 | | n.a. |
| T 5 | 1 57 | 15 49 | 1 44 | 10 8 | 1 46 | 2 6 | 0 30 | 25 0 | 1 23 | 23 44 | 0 39 | 11 58 | 2 18 | 6 40 | 0 27 | 15 44 | 1 22 | 18 27 | 15 35 | 19 53 | 20 17 | 11 35 | | n.a. |
| W 6 | 1 33 | 11 47 | 2 51 | 10 15 | 1 55 | 2 39 | 0 28 | 24 59 | 1 25 | 23 44 | 0 39 | 11 56 | 2 18 | 6 41 | 0 27 | 15 45 | 1 22 | 18 26 | 15 35 | 19 54 | 20 17 | 11 37 | | n.a. |
| T 7 | 1 8 | 6 59 | 3 49 | 10 16 | 2 3 | 3 11 | 0 26 | 24 58 | 1 26 | 23 45 | 0 39 | 11 53 | 2 18 | 6 42 | 0 27 | 15 45 | 1 22 | 18 25 | 15 35 | 19 55 | 20 18 | 11 39 | | n.a. |
| F 8 | 0 43 | 1 40 | 4 33 | 10 12 | 2 10 | 3 43 | 0 23 | 24 57 | 1 27 | 23 46 | 0 39 | 11 51 | 2 19 | 6 44 | 0 27 | 15 46 | 1 22 | 18 24 | 15 35 | 19 57 | 20 19 | 11 42 | | n.a. |
| S 9 | 0 19 | 3n48 | 4 59 | 10 4 | 2 15 | 4 16 | 0 21 | 24 55 | 1 28 | 23 47 | 0 39 | 11 49 | 2 19 | 6 45 | 0 27 | 15 46 | 1 22 | 18 23 | 15 35 | 19 59 | 20 20 | 11 44 | | n.a. |
| S 10 | 0s 6 | 9 2 | 5 4 | 9 51 | 2 18 | 4 48 | 0 19 | 24 54 | 1 29 | 23 48 | 0 39 | 11 46 | 2 19 | 6 47 | 0 27 | 15 47 | 1 22 | 18 22 | 15 36 | 20 1 | 20 20 | 11 46 | | n.a. |
| M11 | 0 31 | 13 42 | 4 49 | 9 34 | 2 21 | 5 20 | 0 16 | 24 52 | 1 31 | 23 49 | 0 39 | 11 44 | 2 19 | 6 48 | 0 27 | 15 47 | 1 21 | 18 21 | 15 36 | 20 3 | 20 21 | 11 48 | | n.a. |
| T 12 | 0 55 | 17 28 | 4 15 | 9 13 | 2 22 | 5 52 | 0 14 | 24 51 | 1 32 | 23 50 | 0 39 | 11 41 | 2 19 | 6 49 | 0 27 | 15 48 | 1 21 | 18 20 | 15 36 | 20 4 | 20 22 | 11 50 | | n.a. |
| W13 | 1 20 | 20 6 | 3 26 | 8 50 | 2 22 | 6 23 | 0 11 | 24 49 | 1 33 | 23 51 | 0 39 | 11 39 | 2 19 | 6 51 | 0 27 | 15 48 | 1 21 | 18 19 | 15 36 | 20 5 | 20 22 | 11 52 | | n.a. |
| T 14 | 1 45 | 21 26 | 2 26 | 8 24 | 2 21 | 6 55 | 0 9 | 24 47 | 1 34 | 23 51 | 0 39 | 11 37 | 2 19 | 6 52 | 0 27 | 15 49 | 1 21 | 18 19 | 15 36 | 20 5 | 20 23 | 11 55 | | n.a. |
| F 15 | 2 9 | 21 29 | 1 19 | 7 55 | 2 20 | 7 26 | 0 7 | 24 45 | 1 36 | 23 52 | 0 39 | 11 34 | 2 19 | 6 54 | 0 27 | 15 50 | 1 21 | 18 18 | 15 36 | 20 5 | 20 24 | 11 57 | | n.a. |
| S 16 | 2 34 | 20 19 | 0 9 | 7 24 | 2 17 | 7 58 | 0 4 | 24 44 | 1 37 | 23 53 | 0 39 | 11 32 | 2 19 | 6 55 | 0 27 | 15 50 | 1 21 | 18 17 | 15 36 | 20 5 | 20 25 | 11 59 | | n.a. |
| S 17 | 2 59 | 18 4 | 1n 0 | 6 51 | 2 14 | 8 29 | 0 2 | 24 42 | 1 38 | 23 54 | 0 39 | 11 30 | 2 20 | 6 56 | 0 27 | 15 51 | 1 21 | 18 16 | 15 36 | 20 5 | 20 25 | 12 1 | | n.a. |
| M18 | 3 23 | 14 58 | 2 5 | 6 17 | 2 11 | 9 0 | 0s 1 | 24 39 | 1 39 | 23 55 | 0 39 | 11 27 | 2 20 | 6 58 | 0 26 | 15 51 | 1 21 | 18 15 | 15 36 | 20 6 | 20 26 | 12 3 | | n.a. |
| T 19 | 3 48 | 11 14 | 3 2 | 5 41 | 2 7 | 9 30 | 0 3 | 24 37 | 1 41 | 23 56 | 0 39 | 11 25 | 2 20 | 6 59 | 0 26 | 15 52 | 1 21 | 18 14 | 15 36 | 20 7 | 20 27 | 12 5 | | n.a. |
| W20 | 4 12 | 7 3 | 3 49 | 5 4 | 2 3 | 10 1 | 0 6 | 24 35 | 1 42 | 23 57 | 0 39 | 11 23 | 2 20 | 7 1 | 0 26 | 15 52 | 1 21 | 18 13 | 15 36 | 20 9 | 20 27 | 12 8 | | n.a. |
| T 21 | 4 37 | 2 38 | 4 26 | 4 26 | 1 58 | 10 31 | 0 8 | 24 33 | 1 43 | 23 58 | 0 39 | 11 20 | 2 20 | 7 2 | 0 26 | 15 53 | 1 21 | 18 13 | 15 37 | 20 12 | 20 28 | 12 10 | | n.a. |
| F 22 | 5 1 | 1s50 | 4 49 | 3 47 | 1 53 | 11 1 | 0 11 | 24 31 | 1 45 | 23 59 | 0 39 | 11 18 | 2 20 | 7 4 | 0 26 | 15 54 | 1 21 | 18 12 | 15 37 | 20 15 | 20 29 | 12 12 | | n.a. |
| S 23 | 5 25 | 6 11 | 5 0 | 3 7 | 1 47 | 11 31 | 0 13 | 24 28 | 1 46 | 24 0 | 0 39 | 11 16 | 2 20 | 7 5 | 0 26 | 15 54 | 1 21 | 18 11 | 15 37 | 20 18 | 20 29 | 12 14 | | n.a. |
| S 24 | 5 49 | 10 17 | 4 57 | 2 27 | 1 42 | 12 0 | 0 16 | 24 26 | 1 48 | 24 1 | 0 39 | 11 14 | 2 21 | 7 6 | 0 26 | 15 55 | 1 21 | 18 10 | 15 37 | 20 21 | 20 30 | 12 16 | | n.a. |
| M25 | 6 14 | 13 58 | 4 42 | 1 46 | 1 36 | 12 29 | 0 18 | 24 23 | 1 49 | 24 2 | 0 39 | 11 12 | 2 21 | 7 8 | 0 26 | 15 55 | 1 21 | 18 10 | 15 37 | 20 24 | 20 31 | 12 18 | | n.a. |
| T 26 | 6 38 | 17 5 | 4 14 | 1 4 | 1 30 | 12 58 | 0 21 | 24 21 | 1 50 | 24 3 | 0 39 | 11 9 | 2 21 | 7 9 | 0 26 | 15 56 | 1 21 | 18 9 | 15 37 | 20 26 | 20 31 | 12 21 | | n.a. |
| W27 | 7 2 | 19 31 | 3 35 | 0 23 | 1 23 | 13 26 | 0 23 | 24 18 | 1 52 | 24 3 | 0 39 | 11 7 | 2 21 | 7 11 | 0 26 | 15 57 | 1 21 | 18 8 | 15 38 | 20 27 | 20 32 | 12 23 | | n.a. |
| T 28 | 7 25 | 21 7 | 2 46 | 0s20 | 1 17 | 13 54 | 0 25 | 24 16 | 1 53 | 24 4 | 0 39 | 11 5 | 2 21 | 7 12 | 0 26 | 15 57 | 1 21 | 18 7 | 15 38 | 20 28 | 20 33 | 12 25 | | n.a. |
| F 29 | 7 49 | 21 46 | 1 50 | 1 2 | 1 10 | 14 22 | 0 28 | 24 13 | 1 55 | 24 5 | 0 39 | 11 3 | 2 21 | 7 14 | 0 26 | 15 58 | 1 21 | 18 7 | 15 38 | 20 29 | 20 34 | 12 27 | | n.a. |
| S 30 | 8 13 | 21 24 | 0 47 | 1 45 | 1 4 | 14 50 | 0 30 | 24 10 | 1 56 | 24 6 | 0 39 | 11 1 | 2 22 | 7 15 | 0 26 | 15 59 | 1 21 | 18 6 | 15 38 | 20 29 | 20 34 | 12 29 | | n.a. |
| S 31 | 8s36 | 19s56 | 0s20 | 2s27 | 0n57 | 15s17 | 0s33 | 24n 8 | 1n58 | 24s 7 | 0s39 | 10n59 | 2n22 | 7s16 | 0n26 | 15s59 | 1n21 | 18n 5 | 15n39 | 20n29 | 20n35 | 12s31 | | n.a. |

Julian Day Number = 1003614.5, Delta T = 12h48m16s
Ecliptic obliquity = 23°55'10, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'09, Lahiri = -31°03'08 Julian Calendar 1 Oct. 1966 BCE == Greg. Calendar 14 Sept. 1966 BCE

The year -1965 astronomical counting style corresponds to year 1966 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## NOVEMBER 1966 BCE (-1965) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 32 29 | 22♎39'44 | 17♒ 8 | 9♎44 | 10♏11 | 21♋43 | 19♐18 | 7♍56 | 19♎18 | 17♏ 7 | 20♍36 | 0°R20 | 29♋50 | 17♏ 4 | n.a. | M 1 |
| T 2 | 1 36 26 | 23°41'01 | 0♓40 | 11°16 | 11°26 | 22° 9 | 19°29 | 8° 2 | 19°22 | 17° 9 | 20°38 | 0♌17 | 29°46 | 17°11 | n.a. | T 2 |
| W 3 | 1 40 22 | 24°42'17 | 14°43 | 12°47 | 12°41 | 22°34 | 19°40 | 8° 7 | 19°26 | 17°12 | 20°40 | 0°11 | 29°43 | 17°17 | n.a. | W 3 |
| T 4 | 1 44 19 | 25°43'34 | 29°15 | 14°19 | 13°57 | 22°59 | 19°51 | 8°13 | 19°29 | 17°14 | 20°42 | 0° 3 | 29°40 | 17°24 | n.a. | T 4 |
| F 5 | 1 48 15 | 26°44'51 | 14♈12 | 15°51 | 15°12 | 23°23 | 20° 2 | 8°18 | 19°33 | 17°16 | 20°45 | 29♋53 | 29°37 | 17°31 | n.a. | F 5 |
| S 6 | 1 52 12 | 27°46'08 | 29°25 | 17°24 | 16°27 | 23°48 | 20°14 | 8°24 | 19°37 | 17°18 | 20°47 | 29°41 | 29°34 | 17°37 | n.a. | S 6 |
| S 7 | 1 56 8 | 28°47'26 | 14♉44 | 18°56 | 17°42 | 24°12 | 20°25 | 8°29 | 19°40 | 17°20 | 20°49 | 29°29 | 29°31 | 17°44 | n.a. | S 7 |
| M 8 | 2 0 5 | 29°48'44 | 29°56 | 20°29 | 18°57 | 24°36 | 20°37 | 8°35 | 19°44 | 17°22 | 20°51 | 29°19 | 29°27 | 17°51 | n.a. | M 8 |
| T 9 | 2 4 2 | 0♏50'02 | 14♊52 | 22° 2 | 20°12 | 24°59 | 20°48 | 8°40 | 19°47 | 17°25 | 20°53 | 29°11 | 29°24 | 17°58 | n.a. | T 9 |
| W10 | 2 7 58 | 1°51'21 | 29°26 | 23°35 | 21°27 | 25°22 | 21° 0 | 8°45 | 19°51 | 17°27 | 20°55 | 29° 6 | 29°21 | 18° 4 | n.a. | W10 |
| T 11 | 2 11 55 | 2°52'40 | 13♋32 | 25° 8 | 22°41 | 25°45 | 21°11 | 8°50 | 19°55 | 17°29 | 20°57 | 29° 4 | 29°18 | 18°11 | n.a. | T 11 |
| F 12 | 2 15 51 | 3°54'00 | 27°11 | 26°42 | 23°56 | 26° 8 | 21°23 | 8°55 | 19°58 | 17°31 | 20°59 | 29° 4 | 29°15 | 18°18 | n.a. | F 12 |
| S 13 | 2 19 48 | 4°55'20 | 10♌26 | 28°16 | 25°11 | 26°30 | 21°35 | 9° 0 | 20° 2 | 17°33 | 21° 1 | 29° 4 | 29°12 | 18°24 | n.a. | S 13 |
| S 14 | 2 23 44 | 5°56'41 | 23°19 | 29°50 | 26°26 | 26°52 | 21°47 | 9° 5 | 20° 5 | 17°36 | 21° 2 | 29° 3 | 29° 8 | 18°31 | n.a. | S 14 |
| M15 | 2 27 41 | 6°58'01 | 5♍55 | 1♏24 | 27°41 | 27°14 | 21°59 | 9°10 | 20° 9 | 17°38 | 21° 4 | 29° 0 | 29° 5 | 18°38 | n.a. | M15 |
| T 16 | 2 31 37 | 7°59'22 | 18°17 | 2°59 | 28°56 | 27°35 | 22°11 | 9°15 | 20°13 | 17°40 | 21° 6 | 28°54 | 29° 2 | 18°45 | n.a. | T 16 |
| W17 | 2 35 34 | 9° 0'43 | 0♎29 | 4°34 | 0♐11 | 27°56 | 22°24 | 9°19 | 20°16 | 17°42 | 21° 8 | 28°45 | 28°59 | 18°51 | n.a. | W17 |
| T 18 | 2 39 31 | 10° 2'04 | 12°34 | 6° 9 | 1°26 | 28°17 | 22°36 | 9°24 | 20°20 | 17°45 | 21°10 | 28°33 | 28°56 | 18°58 | n.a. | T 18 |
| F 19 | 2 43 27 | 11° 3'25 | 24°33 | 7°44 | 2°41 | 28°37 | 22°48 | 9°29 | 20°23 | 17°47 | 21°12 | 28°20 | 28°52 | 19° 5 | n.a. | F 19 |
| S 20 | 2 47 24 | 12° 4'46 | 6♏28 | 9°20 | 3°55 | 28°57 | 23° 1 | 9°33 | 20°27 | 17°49 | 21°13 | 28° 5 | 28°49 | 19°11 | n.a. | S 20 |
| S 21 | 2 51 20 | 13° 6'06 | 18°21 | 10°57 | 5°10 | 29°16 | 23°14 | 9°38 | 20°30 | 17°51 | 21°15 | 27°50 | 28°46 | 19°18 | n.a. | S 21 |
| M22 | 2 55 17 | 14° 7'26 | 0♐12 | 12°33 | 6°25 | 29°35 | 23°26 | 9°42 | 20°34 | 17°54 | 21°17 | 27°37 | 28°43 | 19°25 | n.a. | M22 |
| T 23 | 2 59 13 | 15° 8'46 | 12° 3 | 14°10 | 7°40 | 29°54 | 23°39 | 9°46 | 20°37 | 17°56 | 21°18 | 27°26 | 28°40 | 19°32 | n.a. | T 23 |
| W24 | 3 3 10 | 16°10'06 | 23°56 | 15°48 | 8°54 | 0♌12 | 23°52 | 9°50 | 20°40 | 17°58 | 21°20 | 27°18 | 28°37 | 19°38 | n.a. | W24 |
| T 25 | 3 7 7 | 17°11'25 | 5♑54 | 17°25 | 10° 9 | 0°30 | 24° 5 | 9°54 | 20°44 | 18° 1 | 21°22 | 27°13 | 28°33 | 19°45 | n.a. | T 25 |
| F 26 | 3 11 3 | 18°12'43 | 18° 0 | 19° 4 | 11°24 | 0°47 | 24°17 | 9°58 | 20°47 | 18° 3 | 21°23 | 27°11 | 28°30 | 19°52 | n.a. | F 26 |
| S 27 | 3 15 0 | 19°14'00 | 0♒18 | 20°42 | 12°39 | 1° 4 | 24°30 | 10° 2 | 20°51 | 18° 5 | 21°25 | 27°D11 | 28°27 | 19°58 | n.a. | S 27 |
| S 28 | 3 18 56 | 20°15'17 | 12°53 | 22°21 | 13°53 | 1°21 | 24°43 | 10° 6 | 20°54 | 18° 7 | 21°26 | 27°11 | 28°24 | 20° 5 | n.a. | S 28 |
| M29 | 3 22 53 | 21°16'32 | 25°49 | 24° 1 | 15° 8 | 1°37 | 24°57 | 10°10 | 20°57 | 18°10 | 21°28 | 27°R11 | 28°21 | 20°12 | n.a. | M29 |
| T 30 | 3 26 49 | 22♏17'47 | 9♓11 | 25♏41 | 16♐22 | 1♌52 | 25♐10 | 10♍13 | 21♎ 1 | 18♏12 | 21♍29 | 27♋10 | 28♋18 | 20♏19 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 8 s59 | 17 s24 | 1 s28 | 3 s10 | 0n50 | 15 s43 | 0 s35 | 24n 5 | 1n59 | 24 s 8 | 0 s39 | 10n57 | 2n22 | 7 s18 | 0n26 | 16 s 0 | 1n21 | 18n 5 | 15n39 | 20n29 | 20n36 | 12 s33 | | n.a. |
| T 2 | 9 22 | 13 50 | 2 33 | 3 53 | 0 44 | 16 10 | 0 37 | 24 2 | 2 1 | 24 9 | 0 39 | 10 55 | 2 22 | 7 19 | 0 26 | 16 0 | 1 21 | 18 4 | 15 39 | 20 30 | 20 36 | 12 36 | | n.a. |
| W 3 | 9 45 | 9 22 | 3 31 | 4 35 | 0 37 | 16 35 | 0 40 | 24 0 | 2 2 | 24 10 | 0 39 | 10 53 | 2 22 | 7 21 | 0 26 | 16 1 | 1 21 | 18 3 | 15 39 | 20 31 | 20 37 | 12 38 | | n.a. |
| T 4 | 10 8 | 4 14 | 4 18 | 5 18 | 0 30 | 17 1 | 0 42 | 23 57 | 2 4 | 24 11 | 0 39 | 10 51 | 2 23 | 7 22 | 0 26 | 16 2 | 1 21 | 18 3 | 15 40 | 20 33 | 20 38 | 12 40 | | n.a. |
| F 5 | 10 31 | 1n17 | 4 49 | 6 0 | 0 23 | 17 26 | 0 44 | 23 54 | 2 5 | 24 12 | 0 40 | 10 49 | 2 23 | 7 24 | 0 26 | 16 2 | 1 21 | 18 2 | 15 40 | 20 35 | 20 38 | 12 42 | | n.a. |
| S 6 | 10 53 | 6 49 | 5 0 | 6 43 | 0 16 | 17 50 | 0 47 | 23 51 | 2 7 | 24 13 | 0 40 | 10 47 | 2 23 | 7 25 | 0 26 | 16 3 | 1 21 | 18 1 | 15 40 | 20 38 | 20 39 | 12 44 | | n.a. |
| S 7 | 11 16 | 11 58 | 4 50 | 7 25 | 0 10 | 18 14 | 0 49 | 23 49 | 2 8 | 24 13 | 0 40 | 10 45 | 2 23 | 7 26 | 0 26 | 16 4 | 1 21 | 18 1 | 15 40 | 20 40 | 20 40 | 12 46 | | n.a. |
| M 8 | 11 38 | 16 20 | 4 19 | 8 7 | 0 3 | 18 37 | 0 51 | 23 46 | 2 10 | 24 14 | 0 40 | 10 43 | 2 23 | 7 28 | 0 26 | 16 4 | 1 21 | 18 0 | 15 41 | 20 42 | 20 40 | 12 48 | | n.a. |
| T 9 | 12 0 | 19 33 | 3 31 | 8 48 | 0 s 4 | 19 0 | 0 54 | 23 43 | 2 12 | 24 15 | 0 40 | 10 42 | 2 24 | 7 29 | 0 26 | 16 5 | 1 21 | 18 0 | 15 41 | 20 44 | 20 41 | 12 51 | | n.a. |
| W10 | 12 21 | 21 25 | 2 30 | 9 30 | 0 10 | 19 23 | 0 56 | 23 40 | 2 13 | 24 16 | 0 40 | 10 40 | 2 24 | 7 31 | 0 26 | 16 6 | 1 20 | 17 59 | 15 41 | 20 45 | 20 42 | 12 53 | | n.a. |
| T 11 | 12 43 | 21 52 | 1 21 | 10 11 | 0 17 | 19 45 | 0 58 | 23 37 | 2 15 | 24 17 | 0 40 | 10 38 | 2 24 | 7 32 | 0 26 | 16 6 | 1 20 | 17 59 | 15 42 | 20 45 | 20 42 | 12 55 | | n.a. |
| F 12 | 13 4 | 20 59 | 0 10 | 10 51 | 0 23 | 20 6 | 1 0 | 23 35 | 2 17 | 24 18 | 0 40 | 10 36 | 2 24 | 7 33 | 0 26 | 16 7 | 1 20 | 17 58 | 15 42 | 20 45 | 20 43 | 12 57 | | n.a. |
| S 13 | 13 25 | 18 56 | 1n 0 | 11 32 | 0 30 | 20 27 | 1 2 | 23 32 | 2 18 | 24 18 | 0 40 | 10 34 | 2 24 | 7 35 | 0 26 | 16 8 | 1 20 | 17 58 | 15 42 | 20 45 | 20 44 | 12 59 | | n.a. |
| S 14 | 13 46 | 15 58 | 2 4 | 12 12 | 0 36 | 20 47 | 1 4 | 23 29 | 2 20 | 24 19 | 0 40 | 10 33 | 2 25 | 7 36 | 0 26 | 16 8 | 1 20 | 17 57 | 15 42 | 20 46 | 20 44 | 13 1 | | n.a. |
| M15 | 14 7 | 12 19 | 3 1 | 12 51 | 0 42 | 21 7 | 1 6 | 23 27 | 2 22 | 24 20 | 0 40 | 10 31 | 2 25 | 7 37 | 0 26 | 16 9 | 1 20 | 17 57 | 15 43 | 20 46 | 20 45 | 13 3 | | n.a. |
| T 16 | 14 27 | 8 13 | 3 49 | 13 30 | 0 48 | 21 26 | 1 8 | 23 24 | 2 23 | 24 21 | 0 40 | 10 29 | 2 25 | 7 39 | 0 26 | 16 9 | 1 20 | 17 56 | 15 43 | 20 47 | 20 46 | 13 5 | | n.a. |
| W17 | 14 47 | 3 50 | 4 25 | 14 8 | 0 54 | 21 44 | 1 10 | 23 22 | 2 25 | 24 22 | 0 40 | 10 28 | 2 25 | 7 40 | 0 26 | 16 10 | 1 20 | 17 56 | 15 44 | 20 49 | 20 46 | 13 8 | | n.a. |
| T 18 | 15 7 | 0 s39 | 4 49 | 14 46 | 0 59 | 22 2 | 1 12 | 23 19 | 2 27 | 24 22 | 0 40 | 10 26 | 2 25 | 7 42 | 0 26 | 16 11 | 1 20 | 17 56 | 15 44 | 20 52 | 20 47 | 13 10 | | n.a. |
| F 19 | 15 27 | 5 4 | 4 59 | 15 23 | 1 5 | 22 19 | 1 14 | 23 16 | 2 29 | 24 23 | 0 40 | 10 25 | 2 26 | 7 43 | 0 26 | 16 11 | 1 20 | 17 55 | 15 44 | 20 55 | 20 48 | 13 12 | | n.a. |
| S 20 | 15 46 | 9 17 | 4 57 | 16 0 | 1 10 | 22 35 | 1 15 | 23 14 | 2 31 | 24 24 | 0 40 | 10 23 | 2 26 | 7 44 | 0 26 | 16 12 | 1 20 | 17 55 | 15 45 | 20 58 | 20 48 | 13 14 | | n.a. |
| S 21 | 16 5 | 13 8 | 4 41 | 16 36 | 1 16 | 22 51 | 1 17 | 23 12 | 2 32 | 24 24 | 0 40 | 10 22 | 2 26 | 7 46 | 0 26 | 16 13 | 1 20 | 17 54 | 15 45 | 21 1 | 20 49 | 13 16 | | n.a. |
| M22 | 16 24 | 16 28 | 4 14 | 17 11 | 1 21 | 23 6 | 1 19 | 23 9 | 2 34 | 24 25 | 0 40 | 10 20 | 2 26 | 7 47 | 0 26 | 16 13 | 1 20 | 17 54 | 15 45 | 21 3 | 20 50 | 13 18 | | n.a. |
| T 23 | 16 42 | 19 8 | 3 35 | 17 46 | 1 25 | 23 21 | 1 20 | 23 7 | 2 36 | 24 26 | 0 40 | 10 19 | 2 27 | 7 48 | 0 26 | 16 14 | 1 20 | 17 54 | 15 46 | 21 5 | 20 50 | 13 20 | | n.a. |
| W24 | 17 0 | 21 0 | 2 47 | 18 20 | 1 30 | 23 35 | 1 22 | 23 5 | 2 38 | 24 26 | 0 40 | 10 18 | 2 27 | 7 49 | 0 26 | 16 15 | 1 20 | 17 53 | 15 46 | 21 7 | 20 51 | 13 22 | | n.a. |
| T 25 | 17 18 | 21 57 | 1 51 | 18 52 | 1 34 | 23 48 | 1 24 | 23 3 | 2 40 | 24 27 | 0 40 | 10 16 | 2 27 | 7 51 | 0 26 | 16 15 | 1 20 | 17 53 | 15 47 | 21 8 | 20 52 | 13 25 | | n.a. |
| F 26 | 17 36 | 21 53 | 0 49 | 19 24 | 1 38 | 24 0 | 1 25 | 23 1 | 2 42 | 24 28 | 0 40 | 10 15 | 2 27 | 7 52 | 0 26 | 16 16 | 1 20 | 17 53 | 15 47 | 21 8 | 20 52 | 13 27 | | n.a. |
| S 27 | 17 53 | 20 46 | 0 s17 | 19 55 | 1 42 | 24 12 | 1 27 | 22 59 | 2 44 | 24 28 | 0 40 | 10 14 | 2 28 | 7 53 | 0 26 | 16 17 | 1 20 | 17 53 | 15 47 | 21 9 | 20 53 | 13 29 | | n.a. |
| S 28 | 18 10 | 18 36 | 1 23 | 20 25 | 1 46 | 24 23 | 1 28 | 22 57 | 2 46 | 24 29 | 0 40 | 10 12 | 2 28 | 7 55 | 0 26 | 16 17 | 1 20 | 17 52 | 15 48 | 21 8 | 20 54 | 13 31 | | n.a. |
| M29 | 18 26 | 15 27 | 2 26 | 20 54 | 1 49 | 24 33 | 1 29 | 22 55 | 2 48 | 24 29 | 0 40 | 10 11 | 2 28 | 7 56 | 0 26 | 16 18 | 1 20 | 17 52 | 15 48 | 21 8 | 20 54 | 13 33 | | n.a. |
| T 30 | 18 s43 | 11 s25 | 3 s24 | 21 s22 | 1 s52 | 24 s42 | 1 s30 | 22n54 | 2n50 | 24 s30 | 0 s40 | 10n10 | 2n28 | 7 s57 | 0n26 | 16 s19 | 1n20 | 17n52 | 15n49 | 21n 9 | 20n55 | 13 s35 | | n.a. |

Julian Day Number = 1003645.5, Delta T = 12h48m14s
Ecliptic obliquity = 23°55'10, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'05, Lahiri = -31°03'04 Julian Calendar 1 Nov. 1966 BCE == Greg. Calendar 15 Oct. 1966 BCE


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# ASTRODIENST EPHEMERIS for the year 1966 BCE
# geocentric

## DECEMBER 1966 BCE (-1965) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 30 46 | 23♏19'01 | 23♓ 2 | 27♏21 | 17♐37 | 2♌ 8 | 25♐23 | 10♍17 | 21♎ 4 | 18♏14 | 21♍31 | 27°R 6 | 28♋14 | 20♏25 | n.a. | W 1 |
| T 2 | 3 34 43 | 24°20'13 | 7♈23 | 29° 2 | 18°52 | 2°22 | 25°36 | 10°20 | 21° 7 | 18°17 | 21°32 | 27♋ 0 | 28°11 | 20°32 | n.a. | T 2 |
| F 3 | 3 38 39 | 25°21'25 | 22°11 | 0♐43 | 20° 6 | 2°36 | 25°50 | 10°24 | 21°10 | 18°19 | 21°33 | 26°52 | 28° 8 | 20°39 | n.a. | F 3 |
| S 4 | 3 42 36 | 26°22'36 | 7♉20 | 2°25 | 21°20 | 2°50 | 26° 3 | 10°27 | 21°13 | 18°21 | 21°35 | 26°43 | 28° 5 | 20°45 | n.a. | S 4 |
| S 5 | 3 46 32 | 27°23'46 | 22°40 | 4° 7 | 22°35 | 3° 3 | 26°16 | 10°30 | 21°17 | 18°23 | 21°36 | 26°33 | 28° 2 | 20°52 | n.a. | S 5 |
| M 6 | 3 50 29 | 28°24'55 | 8♊ 0 | 5°49 | 23°49 | 3°16 | 26°30 | 10°34 | 21°20 | 18°26 | 21°37 | 26°25 | 27°58 | 20°59 | n.a. | M 6 |
| T 7 | 3 54 25 | 29°26'03 | 23° 8 | 7°32 | 25° 4 | 3°28 | 26°43 | 10°37 | 21°23 | 18°28 | 21°39 | 26°19 | 27°55 | 21° 6 | n.a. | T 7 |
| W 8 | 3 58 22 | 0♐27'10 | 7♋56 | 9°15 | 26°18 | 3°39 | 26°57 | 10°39 | 21°26 | 18°30 | 21°40 | 26°15 | 27°52 | 21°12 | n.a. | W 8 |
| T 9 | 4 2 18 | 1°28'17 | 22°17 | 10°58 | 27°32 | 3°50 | 27°11 | 10°42 | 21°29 | 18°32 | 21°41 | 26°D13 | 27°49 | 21°19 | n.a. | T 9 |
| F 10 | 4 6 15 | 2°29'23 | 6♌ 9 | 12°41 | 28°47 | 4° 1 | 27°24 | 10°45 | 21°32 | 18°35 | 21°42 | 26°13 | 27°46 | 21°26 | n.a. | F 10 |
| S 11 | 4 10 12 | 3°30'28 | 19°33 | 14°24 | 0♑ 1 | 4°11 | 27°38 | 10°48 | 21°35 | 18°37 | 21°43 | 26°15 | 27°43 | 21°32 | n.a. | S 11 |
| S 12 | 4 14 8 | 4°31'32 | 2♍32 | 16° 7 | 1°15 | 4°20 | 27°52 | 10°50 | 21°38 | 18°39 | 21°44 | 26°R15 | 27°39 | 21°39 | n.a. | S 12 |
| M13 | 4 18 5 | 5°32'35 | 15° 8 | 17°50 | 2°30 | 4°28 | 28° 6 | 10°53 | 21°41 | 18°41 | 21°45 | 26°15 | 27°36 | 21°46 | n.a. | M13 |
| T 14 | 4 22 1 | 6°33'38 | 27°28 | 19°32 | 3°44 | 4°36 | 28°19 | 10°55 | 21°44 | 18°43 | 21°46 | 26°12 | 27°33 | 21°53 | n.a. | T 14 |
| W15 | 4 25 58 | 7°34'39 | 9♎36 | 21°13 | 4°58 | 4°44 | 28°33 | 10°57 | 21°47 | 18°46 | 21°47 | 26° 8 | 27°30 | 21°59 | n.a. | W15 |
| T 16 | 4 29 54 | 8°35'40 | 21°35 | 22°53 | 6°12 | 4°51 | 28°47 | 11° 0 | 21°49 | 18°48 | 21°48 | 26° 1 | 27°27 | 22° 6 | n.a. | T 16 |
| F 17 | 4 33 51 | 9°36'39 | 3♏28 | 24°32 | 7°26 | 4°57 | 29° 1 | 11° 2 | 21°52 | 18°50 | 21°49 | 25°52 | 27°24 | 22°13 | n.a. | F 17 |
| S 18 | 4 37 48 | 10°37'38 | 15°19 | 26° 9 | 8°40 | 5° 2 | 29°15 | 11° 4 | 21°55 | 18°52 | 21°50 | 25°43 | 27°20 | 22°19 | n.a. | S 18 |
| S 19 | 4 41 44 | 11°38'35 | 27°10 | 27°44 | 9°54 | 5° 7 | 29°29 | 11° 6 | 21°58 | 18°54 | 21°51 | 25°34 | 27°17 | 22°26 | n.a. | S 19 |
| M20 | 4 45 41 | 12°39'31 | 9♐ 3 | 29°16 | 11° 8 | 5°11 | 29°43 | 11° 7 | 22° 0 | 18°56 | 21°52 | 25°26 | 27°14 | 22°33 | n.a. | M20 |
| T 21 | 4 49 37 | 13°40'25 | 20°58 | 0♑45 | 12°22 | 5°14 | 29°57 | 11° 9 | 22° 3 | 18°58 | 21°53 | 25°19 | 27°11 | 22°40 | n.a. | T 21 |
| W22 | 4 53 34 | 14°41'18 | 2♑59 | 2°10 | 13°36 | 5°17 | 0♑11 | 11°11 | 22° 5 | 19° 1 | 21°53 | 25°14 | 27° 8 | 22°46 | n.a. | W22 |
| T 23 | 4 57 30 | 15°42'10 | 15° 5 | 3°31 | 14°50 | 5°19 | 0°26 | 11°12 | 22° 8 | 19° 3 | 21°54 | 25°12 | 27° 4 | 22°53 | n.a. | T 23 |
| F 24 | 5 1 27 | 16°43'00 | 27°21 | 4°46 | 16° 4 | 5°20 | 0°40 | 11°13 | 22°11 | 19° 5 | 21°55 | 25°D11 | 27° 1 | 23° 0 | n.a. | F 24 |
| S 25 | 5 5 23 | 17°43'48 | 9♒47 | 5°55 | 17°18 | 5°R21 | 0°54 | 11°15 | 22°13 | 19° 7 | 21°55 | 25°12 | 26°58 | 23° 6 | n.a. | S 25 |
| S 26 | 5 9 20 | 18°44'34 | 22°28 | 6°58 | 18°31 | 5°20 | 1° 8 | 11°16 | 22°15 | 19° 9 | 21°56 | 25°14 | 26°55 | 23°13 | n.a. | S 26 |
| M27 | 5 13 17 | 19°45'19 | 5♓26 | 7°54 | 19°45 | 5°19 | 1°22 | 11°17 | 22°18 | 19°11 | 21°56 | 25°15 | 26°52 | 23°20 | n.a. | M27 |
| T 28 | 5 17 13 | 20°46'01 | 18°45 | 8°41 | 20°59 | 5°17 | 1°37 | 11°18 | 22°20 | 19°13 | 21°57 | 25°R16 | 26°49 | 23°27 | n.a. | T 28 |
| W29 | 5 21 10 | 21°46'42 | 2♈26 | 9°19 | 22°12 | 5°15 | 1°51 | 11°19 | 22°23 | 19°15 | 21°57 | 25°16 | 26°45 | 23°33 | n.a. | W29 |
| T 30 | 5 25 6 | 22°47'21 | 16°32 | 9°48 | 23°26 | 5°12 | 2° 5 | 11°20 | 22°25 | 19°17 | 21°58 | 25°14 | 26°42 | 23°40 | n.a. | T 30 |
| F 31 | 5 29 3 | 23♐47'57 | 1♉ 1 | 10♑ 7 | 24♑39 | 5♌ 8 | 2♑20 | 11♍20 | 22♎27 | 19♏19 | 21♍58 | 25♋10 | 26♋39 | 23♏47 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 18s58 | 6s40 | 4s12 | 21s49 | 1s54 | 24s51 | 1s32 | 22n52 | 2n52 | 24s31 | 0s40 | 10n 9 | 2n29 | 7s58 | 0n26 | 16s19 | 1n20 | 17n52 | 15n49 | 21n 9 | 20n56 | 13s37 | | | n.a. |
| T 2 | 19 14 | 1 23 | 4 47 | 22 14 | 1 57 | 24 59 | 1 33 | 22 51 | 2 54 | 24 31 | 0 40 | 10 8 | 2 29 | 8 0 | 0 26 | 16 20 | 1 20 | 17 52 | 15 49 | 21 11 | 20 56 | 13 39 | | | n.a. |
| F 3 | 19 29 | 4n 8 | 5 3 | 22 38 | 1 58 | 25 6 | 1 34 | 22 49 | 2 56 | 24 32 | 0 40 | 10 7 | 2 29 | 8 1 | 0 26 | 16 21 | 1 20 | 17 51 | 15 50 | 21 12 | 20 57 | 13 41 | | | n.a. |
| S 4 | 19 44 | 9 32 | 4 59 | 23 1 | 2 0 | 25 12 | 1 35 | 22 48 | 2 58 | 24 32 | 0 41 | 10 6 | 2 29 | 8 2 | 0 26 | 16 21 | 1 20 | 17 51 | 15 50 | 21 14 | 20 58 | 13 43 | | | n.a. |
| S 5 | 19 58 | 14 24 | 4 33 | 23 22 | 2 1 | 25 18 | 1 36 | 22 47 | 3 0 | 24 32 | 0 41 | 10 5 | 2 30 | 8 3 | 0 26 | 16 22 | 1 20 | 17 51 | 15 51 | 21 16 | 20 58 | 13 46 | | | n.a. |
| M 6 | 20 12 | 18 20 | 3 48 | 23 42 | 2 2 | 25 23 | 1 37 | 22 46 | 3 2 | 24 33 | 0 41 | 10 4 | 2 30 | 8 4 | 0 26 | 16 22 | 1 20 | 17 51 | 15 51 | 21 18 | 20 59 | 13 48 | | | n.a. |
| T 7 | 20 26 | 20 57 | 2 47 | 24 0 | 2 2 | 25 27 | 1 37 | 22 45 | 3 5 | 24 33 | 0 41 | 10 3 | 2 30 | 8 6 | 0 26 | 16 23 | 1 20 | 17 51 | 15 52 | 21 19 | 21 0 | 13 50 | | | n.a. |
| W 8 | 20 39 | 22 4 | 1 36 | 24 17 | 2 1 | 25 30 | 1 38 | 22 45 | 3 7 | 24 34 | 0 41 | 10 2 | 2 30 | 8 7 | 0 26 | 16 24 | 1 20 | 17 51 | 15 52 | 21 19 | 21 0 | 13 52 | | | n.a. |
| T 9 | 20 52 | 21 41 | 0 21 | 24 31 | 2 0 | 25 33 | 1 39 | 22 44 | 3 9 | 24 34 | 0 41 | 10 1 | 2 31 | 8 8 | 0 26 | 16 24 | 1 20 | 17 51 | 15 53 | 21 20 | 21 1 | 13 54 | | | n.a. |
| F 10 | 21 5 | 19 58 | 0n53 | 24 44 | 1 59 | 25 34 | 1 39 | 22 44 | 3 11 | 24 34 | 0 41 | 10 0 | 2 31 | 8 9 | 0 26 | 16 25 | 1 20 | 17 51 | 15 53 | 21 20 | 21 2 | 13 56 | | | n.a. |
| S 11 | 21 17 | 17 11 | 2 2 | 24 55 | 1 57 | 25 35 | 1 40 | 22 43 | 3 13 | 24 35 | 0 41 | 9 59 | 2 31 | 8 10 | 0 26 | 16 26 | 1 20 | 17 51 | 15 54 | 21 20 | 21 2 | 13 58 | | | n.a. |
| S 12 | 21 28 | 13 36 | 3 2 | 25 4 | 1 54 | 25 35 | 1 40 | 22 43 | 3 16 | 24 35 | 0 41 | 9 59 | 2 31 | 8 11 | 0 26 | 16 26 | 1 20 | 17 51 | 15 54 | 21 19 | 21 3 | 14 0 | | | n.a. |
| M13 | 21 39 | 9 31 | 3 52 | 25 11 | 1 51 | 25 34 | 1 41 | 22 43 | 3 18 | 24 35 | 0 41 | 9 58 | 2 32 | 8 12 | 0 26 | 16 27 | 1 20 | 17 51 | 15 54 | 21 19 | 21 3 | 14 2 | | | n.a. |
| T 14 | 21 50 | 5 8 | 4 30 | 25 16 | 1 46 | 25 33 | 1 41 | 22 44 | 3 20 | 24 36 | 0 41 | 9 57 | 2 32 | 8 14 | 0 26 | 16 27 | 1 20 | 17 51 | 15 55 | 21 20 | 21 4 | 14 4 | | | n.a. |
| W15 | 22 1 | 0 38 | 4 55 | 25 19 | 1 42 | 25 31 | 1 41 | 22 44 | 3 22 | 24 36 | 0 41 | 9 56 | 2 32 | 8 15 | 0 26 | 16 28 | 1 20 | 17 51 | 15 55 | 21 21 | 21 5 | 14 6 | | | n.a. |
| T 16 | 22 11 | 3s51 | 5 6 | 25 19 | 1 36 | 25 28 | 1 41 | 22 44 | 3 25 | 24 36 | 0 41 | 9 56 | 2 33 | 8 16 | 0 26 | 16 29 | 1 20 | 17 51 | 15 56 | 21 22 | 21 5 | 14 8 | | | n.a. |
| F 17 | 22 20 | 8 9 | 5 5 | 25 18 | 1 30 | 25 24 | 1 42 | 22 45 | 3 27 | 24 36 | 0 41 | 9 55 | 2 33 | 8 17 | 0 26 | 16 29 | 1 20 | 17 51 | 15 56 | 21 24 | 21 6 | 14 11 | | | n.a. |
| S 18 | 22 29 | 12 8 | 4 50 | 25 14 | 1 22 | 25 19 | 1 42 | 22 46 | 3 29 | 24 36 | 0 41 | 9 55 | 2 33 | 8 18 | 0 26 | 16 30 | 1 20 | 17 51 | 15 57 | 21 25 | 21 7 | 14 13 | | | n.a. |
| S 19 | 22 38 | 15 40 | 4 22 | 25 8 | 1 14 | 25 14 | 1 41 | 22 47 | 3 32 | 24 36 | 0 41 | 9 54 | 2 33 | 8 19 | 0 26 | 16 30 | 1 20 | 17 51 | 15 57 | 21 27 | 21 7 | 14 15 | | | n.a. |
| M20 | 22 46 | 18 34 | 3 44 | 25 0 | 1 5 | 25 7 | 1 41 | 22 48 | 3 34 | 24 37 | 0 41 | 9 54 | 2 34 | 8 20 | 0 26 | 16 31 | 1 20 | 17 51 | 15 58 | 21 29 | 21 8 | 14 17 | | | n.a. |
| T 21 | 22 54 | 20 42 | 2 55 | 24 50 | 0 55 | 25 1 | 1 41 | 22 50 | 3 36 | 24 37 | 0 41 | 9 54 | 2 34 | 8 21 | 0 26 | 16 32 | 1 20 | 17 51 | 15 58 | 21 30 | 21 9 | 14 19 | | | n.a. |
| W22 | 23 1 | 21 55 | 1 58 | 24 38 | 0 44 | 24 53 | 1 41 | 22 51 | 3 39 | 24 37 | 0 42 | 9 53 | 2 34 | 8 22 | 0 26 | 16 32 | 1 20 | 17 52 | 15 59 | 21 31 | 21 9 | 14 21 | | | n.a. |
| T 23 | 23 8 | 22 8 | 0 55 | 24 24 | 0 32 | 24 44 | 1 40 | 22 53 | 3 41 | 24 37 | 0 42 | 9 53 | 2 35 | 8 23 | 0 27 | 16 33 | 1 20 | 17 52 | 15 59 | 21 31 | 21 10 | 14 23 | | | n.a. |
| F 24 | 23 14 | 21 18 | 0s12 | 24 9 | 0 19 | 24 35 | 1 40 | 22 55 | 3 43 | 24 37 | 0 42 | 9 53 | 2 35 | 8 24 | 0 27 | 16 33 | 1 20 | 17 52 | 16 0 | 21 31 | 21 10 | 14 25 | | | n.a. |
| S 25 | 23 20 | 19 25 | 1 19 | 23 52 | 0 5 | 24 25 | 1 39 | 22 57 | 3 46 | 24 37 | 0 42 | 9 52 | 2 35 | 8 25 | 0 27 | 16 34 | 1 20 | 17 52 | 16 0 | 21 31 | 21 11 | 14 27 | | | n.a. |
| S 26 | 23 26 | 16 33 | 2 23 | 23 35 | 0n 9 | 24 14 | 1 39 | 23 0 | 3 48 | 24 37 | 0 42 | 9 52 | 2 35 | 8 25 | 0 27 | 16 34 | 1 20 | 17 52 | 16 1 | 21 31 | 21 12 | 14 29 | | | n.a. |
| M27 | 23 31 | 12 49 | 3 22 | 23 16 | 0 25 | 24 3 | 1 38 | 23 2 | 3 50 | 24 37 | 0 42 | 9 52 | 2 36 | 8 26 | 0 27 | 16 35 | 1 20 | 17 53 | 16 1 | 21 31 | 21 12 | 14 31 | | | n.a. |
| T 28 | 23 35 | 8 23 | 4 11 | 22 57 | 0 41 | 23 51 | 1 37 | 23 5 | 3 53 | 24 37 | 0 42 | 9 52 | 2 36 | 8 27 | 0 27 | 16 36 | 1 20 | 17 53 | 16 2 | 21 31 | 21 13 | 14 33 | | | n.a. |
| W29 | 23 39 | 3 24 | 4 48 | 22 38 | 0 57 | 23 38 | 1 37 | 23 8 | 3 55 | 24 36 | 0 42 | 9 52 | 2 36 | 8 28 | 0 27 | 16 36 | 1 20 | 17 53 | 16 2 | 21 31 | 21 14 | 14 35 | | | n.a. |
| T 30 | 23 43 | 1n53 | 5 9 | 22 18 | 1 15 | 23 25 | 1 36 | 23 11 | 3 57 | 24 36 | 0 42 | 9 52 | 2 37 | 8 29 | 0 27 | 16 37 | 1 20 | 17 53 | 16 3 | 21 31 | 21 14 | 14 37 | | | n.a. |
| F 31 | 23s46 | 7n13 | 5s11 | 22s 0 | 1n32 | 23s10 | 1s35 | 23n14 | 4n 0 | 24s36 | 0s42 | 9n52 | 2n37 | 8s30 | 0n27 | 16s37 | 1n20 | 17n54 | 16n 3 | 21n32 | 21n15 | 14s39 | | | n.a. |

Julian Day Number = 1003675.5, Delta T = 12h48m12s
Ecliptic obliquity = 23°55'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°10'01, Lahiri = -31°03'00 Julian Calendar 1 Dec. 1966 BCE == Greg. Calendar 14 Nov. 1966 BCE

The year -1965 astronomical counting style corresponds to year 1966 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## JANUARY 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 32 59 | 24♐48'32 | 15♉50 | 10°R16 | 25♑53 | 5°R 3 | 2♑34 | 11♍21 | 22♎29 | 19♏21 | 21♍59 | 25°R 6 | 26♋36 | 23♏53 | n.a. | S 1 |
| S 2 | 5 36 56 | 25°49'05 | 0♊52 | 10♑14 | 27° 6 | 4♌57 | 2°48 | 11°21 | 22°31 | 19°23 | 21°59 | 25♋ 2 | 26°33 | 24° 0 | n.a. | S 2 |
| M 3 | 5 40 52 | 26°49'36 | 15°58 | 10° 2 | 28°19 | 4°51 | 3° 2 | 11°22 | 22°33 | 19°25 | 21°59 | 24°58 | 26°29 | 24° 7 | n.a. | M 3 |
| T 4 | 5 44 49 | 27°50'05 | 0♋59 | 9°39 | 29°33 | 4°44 | 3°17 | 11°22 | 22°35 | 19°27 | 22° 0 | 24°55 | 26°26 | 24°13 | n.a. | T 4 |
| W 5 | 5 48 46 | 28°50'32 | 15°47 | 9° 7 | 0♒46 | 4°36 | 3°31 | 11°22 | 22°37 | 19°28 | 22° 0 | 24°53 | 26°23 | 24°20 | n.a. | W 5 |
| T 6 | 5 52 42 | 29°50'58 | 0♌13 | 8°26 | 1°59 | 4°27 | 3°46 | 11°R22 | 22°39 | 19°30 | 22° 0 | 24°D53 | 26°20 | 24°27 | n.a. | T 6 |
| F 7 | 5 56 39 | 0♑51'22 | 14°14 | 7°37 | 3°12 | 4°17 | 4° 0 | 11°22 | 22°41 | 19°32 | 22° 0 | 24°54 | 26°17 | 24°34 | n.a. | F 7 |
| S 8 | 6 0 35 | 1°51'44 | 27°47 | 6°42 | 4°25 | 4° 7 | 4°14 | 11°22 | 22°43 | 19°34 | 22° 0 | 24°56 | 26°14 | 24°40 | n.a. | S 8 |
| S 9 | 6 4 32 | 2°52'05 | 10♍55 | 5°42 | 5°38 | 3°56 | 4°29 | 11°22 | 22°45 | 19°36 | 22° 0 | 24°57 | 26°10 | 24°47 | n.a. | S 9 |
| M10 | 6 8 28 | 3°52'23 | 23°39 | 4°38 | 6°51 | 3°44 | 4°43 | 11°21 | 22°47 | 19°37 | 22° 0 | 24°58 | 26° 7 | 24°54 | n.a. | M10 |
| T 11 | 6 12 25 | 4°52'40 | 6♎ 3 | 3°33 | 8° 4 | 3°32 | 4°57 | 11°21 | 22°49 | 19°39 | 22°R 0 | 24°R59 | 26° 4 | 25° 0 | n.a. | T 11 |
| W12 | 6 16 21 | 5°52'56 | 18°12 | 2°28 | 9°17 | 3°18 | 5°12 | 11°20 | 22°50 | 19°41 | 22° 0 | 24°58 | 26° 1 | 25° 7 | n.a. | W12 |
| T 13 | 6 20 18 | 6°53'10 | 0♏11 | 1°24 | 10°29 | 3° 4 | 5°26 | 11°20 | 22°52 | 19°43 | 22° 0 | 24°57 | 25°58 | 25°14 | n.a. | T 13 |
| F 14 | 6 24 15 | 7°53'22 | 12° 3 | 0°23 | 11°42 | 2°49 | 5°41 | 11°19 | 22°53 | 19°44 | 22° 0 | 24°55 | 25°55 | 25°21 | n.a. | F 14 |
| S 15 | 6 28 11 | 8°53'32 | 23°53 | 29♐26 | 12°55 | 2°34 | 5°55 | 11°18 | 22°55 | 19°46 | 22° 0 | 24°52 | 25°51 | 25°27 | n.a. | S 15 |
| S 16 | 6 32 8 | 9°53'40 | 5♐45 | 28°34 | 14° 7 | 2°18 | 6° 9 | 11°17 | 22°56 | 19°48 | 22° 0 | 24°50 | 25°48 | 25°34 | n.a. | S 16 |
| M17 | 6 36 4 | 10°53'47 | 17°40 | 27°48 | 15°20 | 2° 1 | 6°24 | 11°16 | 22°58 | 19°49 | 22° 0 | 24°47 | 25°45 | 25°41 | n.a. | M17 |
| T 18 | 6 40 1 | 11°53'51 | 29°43 | 27° 8 | 16°32 | 1°43 | 6°38 | 11°15 | 22°59 | 19°51 | 21°59 | 24°46 | 25°42 | 25°47 | n.a. | T 18 |
| W19 | 6 43 57 | 12°53'54 | 11♑53 | 26°36 | 17°44 | 1°25 | 6°52 | 11°14 | 23° 1 | 19°52 | 21°59 | 24°45 | 25°39 | 25°54 | n.a. | W19 |
| T 20 | 6 47 54 | 13°53'54 | 24°14 | 26° 9 | 18°56 | 1° 6 | 7° 7 | 11°12 | 23° 2 | 19°54 | 21°59 | 24°D44 | 25°35 | 26° 1 | n.a. | T 20 |
| F 21 | 6 51 50 | 14°53'53 | 6♒46 | 25°50 | 20° 9 | 0°47 | 7°21 | 11°11 | 23° 3 | 19°55 | 21°59 | 24°45 | 25°32 | 26° 7 | n.a. | F 21 |
| S 22 | 6 55 47 | 15°53'49 | 19°30 | 25°38 | 21°21 | 0°27 | 7°35 | 11° 9 | 23° 4 | 19°57 | 21°58 | 24°45 | 25°29 | 26°14 | n.a. | S 22 |
| S 23 | 6 59 44 | 16°53'42 | 2♓27 | 25°D32 | 22°33 | 0° 7 | 7°50 | 11° 8 | 23° 5 | 19°58 | 21°58 | 24°46 | 25°26 | 26°21 | n.a. | S 23 |
| M24 | 7 3 40 | 17°53'34 | 15°39 | 25°33 | 23°45 | 29♋46 | 8° 4 | 11° 6 | 23° 6 | 20° 0 | 21°57 | 24°47 | 25°23 | 26°28 | n.a. | M24 |
| T 25 | 7 7 37 | 18°53'23 | 29° 6 | 25°39 | 24°56 | 29°25 | 8°18 | 11° 4 | 23° 7 | 20° 1 | 21°57 | 24°47 | 25°20 | 26°34 | n.a. | T 25 |
| W26 | 7 11 33 | 19°53'09 | 12♈49 | 25°52 | 26° 8 | 29° 3 | 8°32 | 11° 2 | 23° 8 | 20° 3 | 21°56 | 24°47 | 25°16 | 26°41 | n.a. | W26 |
| T 27 | 7 15 30 | 20°52'53 | 26°47 | 26°10 | 27°20 | 28°41 | 8°47 | 11° 0 | 23° 9 | 20° 4 | 21°56 | 24°R47 | 25°13 | 26°48 | n.a. | T 27 |
| F 28 | 7 19 26 | 21°52'35 | 11♉ 1 | 26°33 | 28°31 | 28°19 | 9° 1 | 10°58 | 23°10 | 20° 5 | 21°55 | 24°47 | 25°10 | 26°54 | n.a. | F 28 |
| S 29 | 7 23 23 | 22°52'14 | 25°28 | 27° 1 | 29°43 | 27°56 | 9°15 | 10°56 | 23°11 | 20° 7 | 21°55 | 24°47 | 25° 7 | 27° 1 | n.a. | S 29 |
| S 30 | 7 27 19 | 23°51'50 | 10♊ 4 | 27°33 | 0♓54 | 27°33 | 9°29 | 10°54 | 23°12 | 20° 8 | 21°54 | 24°47 | 25° 4 | 27° 8 | n.a. | S 30 |
| M31 | 7 31 16 | 24♑51'25 | 24♊43 | 28♐10 | 2♓ 5 | 27♋10 | 9♑43 | 10♍51 | 23♎13 | 20♏ 9 | 21♍53 | 24°D47 | 25♋ 1 | 27♏15 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23s49 | 12n15 | 4s52 | 21s41 | 1n50 | 22s56 | 1s34 | 23n18 | 4n 2 | 24s36 | 0s42 | 9n52 | 2n37 | 8s31 | 0n27 | 16s38 | 1n20 | 17n54 | 16n 4 | 21n32 | 21n15 | 14s41 | | n.a. |
| S 2 | 23 51 | 16 36 | 4 14 | 21 24 | 2 7 | 22 40 | 1 32 | 23 21 | 4 4 | 24 36 | 0 42 | 9 52 | 2 37 | 8 31 | 0 27 | 16 38 | 1 20 | 17 54 | 16 4 | 21 33 | 21 16 | 14 43 | | n.a. |
| M 3 | 23 53 | 19 54 | 3 17 | 21 8 | 2 24 | 22 24 | 1 31 | 23 25 | 4 7 | 24 35 | 0 42 | 9 52 | 2 38 | 8 32 | 0 27 | 16 39 | 1 20 | 17 55 | 16 5 | 21 34 | 21 17 | 14 45 | | n.a. |
| T 4 | 23 54 | 21 47 | 2 7 | 20 54 | 2 40 | 22 7 | 1 30 | 23 29 | 4 9 | 24 35 | 0 43 | 9 52 | 2 38 | 8 33 | 0 27 | 16 39 | 1 20 | 17 55 | 16 5 | 21 34 | 21 17 | 14 48 | | n.a. |
| W 5 | 23 55 | 22 8 | 0 50 | 20 41 | 2 56 | 21 50 | 1 28 | 23 33 | 4 11 | 24 35 | 0 43 | 9 52 | 2 38 | 8 34 | 0 27 | 16 40 | 1 20 | 17 55 | 16 6 | 21 35 | 21 18 | 14 50 | | n.a. |
| T 6 | 23 55 | 20 59 | 0n29 | 20 29 | 3 10 | 21 32 | 1 27 | 23 38 | 4 13 | 24 35 | 0 43 | 9 53 | 2 39 | 8 34 | 0 27 | 16 40 | 1 20 | 17 56 | 16 6 | 21 35 | 21 18 | 14 52 | | n.a. |
| F 7 | 23 55 | 18 33 | 1 44 | 20 20 | 3 22 | 21 13 | 1 25 | 23 42 | 4 16 | 24 34 | 0 43 | 9 53 | 2 39 | 8 35 | 0 27 | 16 41 | 1 20 | 17 56 | 16 7 | 21 35 | 21 19 | 14 54 | | n.a. |
| S 8 | 23 54 | 15 9 | 2 51 | 20 12 | 3 33 | 20 54 | 1 24 | 23 47 | 4 18 | 24 34 | 0 43 | 9 53 | 2 39 | 8 36 | 0 27 | 16 41 | 1 20 | 17 57 | 16 7 | 21 34 | 21 20 | 14 56 | | n.a. |
| S 9 | 23 53 | 11 6 | 3 47 | 20 6 | 3 42 | 20 34 | 1 22 | 23 51 | 4 20 | 24 34 | 0 43 | 9 54 | 2 39 | 8 37 | 0 27 | 16 42 | 1 21 | 17 57 | 16 8 | 21 34 | 21 20 | 14 58 | | n.a. |
| M10 | 23 52 | 6 41 | 4 30 | 20 2 | 3 48 | 20 13 | 1 20 | 23 56 | 4 22 | 24 33 | 0 43 | 9 54 | 2 40 | 8 37 | 0 27 | 16 42 | 1 21 | 17 57 | 16 8 | 21 34 | 21 21 | 15 0 | | n.a. |
| T 11 | 23 50 | 2 6 | 4 58 | 20 0 | 3 53 | 19 53 | 1 18 | 24 1 | 4 24 | 24 33 | 0 43 | 9 54 | 2 40 | 8 38 | 0 27 | 16 43 | 1 21 | 17 58 | 16 9 | 21 34 | 21 22 | 15 2 | | n.a. |
| W12 | 23 47 | 2s28 | 5 13 | 19 59 | 3 55 | 19 31 | 1 16 | 24 6 | 4 26 | 24 32 | 0 43 | 9 55 | 2 40 | 8 38 | 0 27 | 16 43 | 1 21 | 17 58 | 16 10 | 21 34 | 21 22 | 15 4 | | n.a. |
| T 13 | 23 44 | 6 52 | 5 14 | 20 0 | 3 55 | 19 9 | 1 14 | 24 12 | 4 28 | 24 32 | 0 43 | 9 55 | 2 41 | 8 39 | 0 27 | 16 43 | 1 21 | 17 59 | 16 10 | 21 34 | 21 23 | 15 6 | | n.a. |
| F 14 | 23 41 | 10 59 | 5 2 | 20 3 | 3 53 | 18 47 | 1 12 | 24 17 | 4 30 | 24 31 | 0 44 | 9 56 | 2 41 | 8 40 | 0 27 | 16 44 | 1 21 | 17 59 | 16 11 | 21 35 | 21 23 | 15 8 | | n.a. |
| S 15 | 23 37 | 14 40 | 4 36 | 20 7 | 3 49 | 18 24 | 1 10 | 24 23 | 4 31 | 24 31 | 0 44 | 9 57 | 2 41 | 8 40 | 0 27 | 16 44 | 1 21 | 18 0 | 16 11 | 21 35 | 21 24 | 15 10 | | n.a. |
| S 16 | 23 32 | 17 47 | 3 59 | 20 12 | 3 43 | 18 0 | 1 8 | 24 28 | 4 33 | 24 30 | 0 44 | 9 57 | 2 41 | 8 41 | 0 27 | 16 45 | 1 21 | 18 0 | 16 11 | 21 35 | 21 25 | 15 12 | | n.a. |
| M17 | 23 28 | 20 10 | 3 11 | 20 19 | 3 35 | 17 36 | 1 6 | 24 34 | 4 35 | 24 29 | 0 44 | 9 58 | 2 42 | 8 41 | 0 27 | 16 45 | 1 21 | 18 1 | 16 12 | 21 36 | 21 25 | 15 14 | | n.a. |
| T 18 | 23 22 | 21 41 | 2 14 | 20 27 | 3 27 | 17 12 | 1 3 | 24 39 | 4 36 | 24 29 | 0 44 | 9 58 | 2 42 | 8 42 | 0 27 | 16 46 | 1 21 | 18 1 | 16 12 | 21 36 | 21 26 | 15 16 | | n.a. |
| W19 | 23 17 | 22 12 | 1 11 | 20 36 | 3 17 | 16 47 | 1 1 | 24 45 | 4 38 | 24 28 | 0 44 | 9 59 | 2 42 | 8 42 | 0 27 | 16 46 | 1 21 | 18 2 | 16 13 | 21 36 | 21 26 | 15 18 | | n.a. |
| T 20 | 23 11 | 21 39 | 0 3 | 20 46 | 3 6 | 16 22 | 0 58 | 24 51 | 4 39 | 24 27 | 0 44 | 10 0 | 2 42 | 8 43 | 0 27 | 16 46 | 1 21 | 18 2 | 16 13 | 21 36 | 21 27 | 15 20 | | n.a. |
| F 21 | 23 4 | 20 1 | 1s 6 | 20 56 | 2 55 | 15 56 | 0 56 | 24 56 | 4 40 | 24 27 | 0 44 | 10 1 | 2 43 | 8 43 | 0 27 | 16 47 | 1 21 | 18 3 | 16 14 | 21 36 | 21 28 | 15 22 | | n.a. |
| S 22 | 22 57 | 17 22 | 2 13 | 21 8 | 2 43 | 15 30 | 0 53 | 25 2 | 4 42 | 24 26 | 0 44 | 10 2 | 2 43 | 8 44 | 0 27 | 16 47 | 1 21 | 18 4 | 16 14 | 21 36 | 21 28 | 15 24 | | n.a. |
| S 23 | 22 50 | 13 49 | 3 14 | 21 20 | 2 31 | 15 4 | 0 50 | 25 8 | 4 43 | 24 25 | 0 44 | 10 3 | 2 43 | 8 44 | 0 27 | 16 47 | 1 21 | 18 4 | 16 15 | 21 36 | 21 29 | 15 26 | | n.a. |
| M24 | 22 42 | 9 32 | 4 6 | 21 33 | 2 18 | 14 37 | 0 48 | 25 13 | 4 44 | 24 25 | 0 45 | 10 3 | 2 43 | 8 44 | 0 27 | 16 48 | 1 21 | 18 5 | 16 15 | 21 36 | 21 29 | 15 28 | | n.a. |
| T 25 | 22 33 | 4 43 | 4 46 | 21 46 | 2 5 | 14 10 | 0 45 | 25 19 | 4 45 | 24 24 | 0 45 | 10 4 | 2 44 | 8 45 | 0 27 | 16 48 | 1 21 | 18 5 | 16 16 | 21 36 | 21 30 | 15 30 | | n.a. |
| W26 | 22 25 | 0n24 | 5 10 | 21 59 | 1 52 | 13 43 | 0 42 | 25 24 | 4 46 | 24 23 | 0 45 | 10 5 | 2 44 | 8 45 | 0 27 | 16 49 | 1 21 | 18 6 | 16 16 | 21 36 | 21 31 | 15 32 | | n.a. |
| T 27 | 22 16 | 5 37 | 5 17 | 22 12 | 1 40 | 13 15 | 0 39 | 25 30 | 4 46 | 24 22 | 0 45 | 10 6 | 2 44 | 8 45 | 0 27 | 16 49 | 1 21 | 18 7 | 16 17 | 21 36 | 21 31 | 15 34 | | n.a. |
| F 28 | 22 6 | 10 37 | 5 5 | 22 26 | 1 27 | 12 47 | 0 36 | 25 35 | 4 47 | 24 21 | 0 45 | 10 7 | 2 44 | 8 46 | 0 27 | 16 49 | 1 21 | 18 7 | 16 17 | 21 36 | 21 32 | 15 36 | | n.a. |
| S 29 | 21 56 | 15 6 | 4 33 | 22 39 | 1 14 | 12 19 | 0 33 | 25 41 | 4 47 | 24 20 | 0 45 | 10 8 | 2 45 | 8 46 | 0 27 | 16 50 | 1 21 | 18 8 | 16 18 | 21 36 | 21 32 | 15 38 | | n.a. |
| S 30 | 21 46 | 18 43 | 3 44 | 22 52 | 1 2 | 11 50 | 0 30 | 25 46 | 4 48 | 24 20 | 0 45 | 10 10 | 2 45 | 8 46 | 0 27 | 16 50 | 1 21 | 18 9 | 16 18 | 21 36 | 21 33 | 15 40 | | n.a. |
| M31 | 21s35 | 21n10 | 2s39 | 23s 4 | 0n50 | 11s21 | 0s26 | 25n51 | 4n48 | 24s19 | 0s45 | 10n11 | 2n45 | 8s47 | 0n27 | 16s50 | 1n21 | 18n 9 | 16n18 | 21n36 | 21n33 | 15s42 | | n.a. |

Julian Day Number = 1003706.5, Delta T = 12h48m10s
Ecliptic obliquity = 23°55'10, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'56, Lahiri = -31°02'56 Julian Calendar 1 Jan. 1965 BCE == Greg. Calendar 15 Dec. 1966 BCE

The year -1964 astronomical counting style corresponds to year 1965 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## FEBRUARY 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 35 13 | 25♉50'57 | 9♋21 | 28♐51 | 3♓16 | 26°R47 | 9♉58 | 10°R49 | 23♎13 | 20♏10 | 21°R53 | 24♋47 | 24♋57 | 27♏21 | n.a. | T 1 |
| W 2 | 7 39 9 | 26°50'26 | 23°51 | 29°35 | 4°27 | 26♋24 | 10°12 | 10♍46 | 23°14 | 20°11 | 21♍52 | 24°R47 | 24°54 | 27°28 | n.a. | W 2 |
| T 3 | 7 43 6 | 27°49'54 | 8♌ 6 | 0♉23 | 5°38 | 26° 1 | 10°26 | 10°44 | 23°14 | 20°13 | 21°51 | 24°47 | 24°51 | 27°35 | n.a. | T 3 |
| F 4 | 7 47 2 | 28°49'19 | 22° 1 | 1°15 | 6°49 | 25°37 | 10°40 | 10°41 | 23°15 | 20°14 | 21°50 | 24°47 | 24°48 | 27°41 | n.a. | F 4 |
| S 5 | 7 50 59 | 29°48'42 | 5♍36 | 2° 9 | 8° 0 | 25°14 | 10°54 | 10°38 | 23°15 | 20°15 | 21°50 | 24°46 | 24°45 | 27°48 | n.a. | S 5 |
| S 6 | 7 54 55 | 0♒48'03 | 18°47 | 3° 6 | 9°10 | 24°51 | 11° 8 | 10°35 | 23°16 | 20°16 | 21°49 | 24°46 | 24°41 | 27°55 | n.a. | S 6 |
| M 7 | 7 58 52 | 1°47'21 | 1♎36 | 4° 7 | 10°21 | 24°28 | 11°22 | 10°32 | 23°16 | 20°17 | 21°48 | 24°45 | 24°38 | 28° 1 | n.a. | M 7 |
| T 8 | 8 2 48 | 2°46'38 | 14° 5 | 5° 9 | 11°31 | 24° 5 | 11°35 | 10°29 | 23°16 | 20°18 | 21°47 | 24°44 | 24°35 | 28° 8 | n.a. | T 8 |
| W 9 | 8 6 45 | 3°45'53 | 26°18 | 6°15 | 12°42 | 23°42 | 11°49 | 10°26 | 23°17 | 20°19 | 21°46 | 24°44 | 24°32 | 28°15 | n.a. | W 9 |
| T 10 | 8 10 41 | 4°45'06 | 8♏19 | 7°22 | 13°52 | 23°20 | 12° 3 | 10°23 | 23°17 | 20°20 | 21°45 | 24°D43 | 24°29 | 28°22 | n.a. | T 10 |
| F 11 | 8 14 38 | 5°44'17 | 20°12 | 8°32 | 15° 2 | 22°58 | 12°17 | 10°20 | 23°17 | 20°21 | 21°44 | 24°44 | 24°26 | 28°28 | n.a. | F 11 |
| S 12 | 8 18 35 | 6°43'26 | 2♐ 3 | 9°44 | 16°12 | 22°36 | 12°31 | 10°17 | 23°17 | 20°21 | 21°43 | 24°45 | 24°22 | 28°35 | n.a. | S 12 |
| S 13 | 8 22 31 | 7°42'34 | 13°56 | 10°58 | 17°21 | 22°14 | 12°44 | 10°13 | 23°R17 | 20°22 | 21°42 | 24°46 | 24°19 | 28°42 | n.a. | S 13 |
| M14 | 8 26 28 | 8°41'39 | 25°54 | 12°15 | 18°31 | 21°53 | 12°58 | 10°10 | 23°17 | 20°23 | 21°41 | 24°47 | 24°16 | 28°48 | n.a. | M14 |
| T 15 | 8 30 24 | 9°40'42 | 8♑ 3 | 13°33 | 19°41 | 21°32 | 13°12 | 10° 6 | 23°17 | 20°24 | 21°40 | 24°48 | 24°13 | 28°55 | n.a. | T 15 |
| W16 | 8 34 21 | 10°39'43 | 20°24 | 14°52 | 20°50 | 21°12 | 13°25 | 10° 3 | 23°17 | 20°25 | 21°39 | 24°R49 | 24°10 | 29° 2 | n.a. | W16 |
| T 17 | 8 38 17 | 11°38'42 | 2♒59 | 16°14 | 21°59 | 20°53 | 13°39 | 9°59 | 23°17 | 20°25 | 21°37 | 24°49 | 24° 7 | 29° 8 | n.a. | T 17 |
| F 18 | 8 42 14 | 12°37'39 | 15°50 | 17°38 | 23° 8 | 20°34 | 13°52 | 9°56 | 23°16 | 20°26 | 21°36 | 24°48 | 24° 3 | 29°15 | n.a. | F 18 |
| S 19 | 8 46 10 | 13°36'33 | 28°57 | 19° 3 | 24°17 | 20°15 | 14° 6 | 9°52 | 23°16 | 20°27 | 21°35 | 24°46 | 24° 0 | 29°22 | n.a. | S 19 |
| S 20 | 8 50 7 | 14°35'26 | 12♓19 | 20°30 | 25°26 | 19°57 | 14°19 | 9°48 | 23°16 | 20°27 | 21°34 | 24°43 | 23°57 | 29°29 | n.a. | S 20 |
| M21 | 8 54 3 | 15°34'16 | 25°54 | 21°58 | 26°35 | 19°40 | 14°33 | 9°44 | 23°15 | 20°28 | 21°33 | 24°40 | 23°54 | 29°35 | n.a. | M21 |
| T 22 | 8 58 0 | 16°33'03 | 9♈41 | 23°28 | 27°43 | 19°24 | 14°46 | 9°40 | 23°15 | 20°28 | 21°31 | 24°37 | 23°51 | 29°42 | n.a. | T 22 |
| W23 | 9 1 57 | 17°31'48 | 23°38 | 25° 0 | 28°52 | 19° 8 | 14°59 | 9°36 | 23°14 | 20°29 | 21°30 | 24°35 | 23°47 | 29°49 | n.a. | W23 |
| T 24 | 9 5 53 | 18°30'31 | 7♉42 | 26°33 | 29°59 | 18°53 | 15°12 | 9°32 | 23°14 | 20°29 | 21°29 | 24°34 | 23°44 | 29°55 | n.a. | T 24 |
| F 25 | 9 9 50 | 19°29'11 | 21°51 | 28° 8 | 1♈ 8 | 18°38 | 15°25 | 9°28 | 23°13 | 20°30 | 21°27 | 24°D33 | 23°41 | 0♐ 2 | n.a. | F 25 |
| S 26 | 9 13 46 | 20°27'49 | 6♊ 4 | 29°44 | 2°16 | 18°25 | 15°38 | 9°24 | 23°13 | 20°30 | 21°26 | 24°34 | 23°38 | 0° 9 | n.a. | S 26 |
| S 27 | 9 17 43 | 21°26'25 | 20°19 | 1♒22 | 3°23 | 18°12 | 15°51 | 9°20 | 23°12 | 20°31 | 21°25 | 24°35 | 23°35 | 0°15 | n.a. | S 27 |
| M28 | 9 21 39 | 22°24'58 | 4♋32 | 3° 2 | 4°31 | 18° 0 | 16° 4 | 9°16 | 23°11 | 20°31 | 21°23 | 24°37 | 23°32 | 0°22 | n.a. | M28 |
| T 29 | 9 25 36 | 23♒23'29 | 18♋41 | 4♒43 | 5♈38 | 17♋48 | 16♉17 | 9♍12 | 23♎10 | 20♏31 | 21♍22 | 24°R38 | 23♋28 | 0♐29 | n.a. | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21 s24 | 22n10 | 1 s25 | 23 s17 | 0n38 | 10 s52 | 0 s23 | 25n56 | 4n48 | 24 s18 | 0 s46 | 10n12 | 2n45 | 8 s47 | 0n27 | 16 s50 | 1n21 | 18n10 | 16n19 | 21n36 | 21n34 | 15 s44 | | n.a. |
| W 2 | 21 13 | 21 41 | 0 5 | 23 29 | 0 27 | 10 23 | 0 20 | 26 0 | 4 48 | 24 17 | 0 46 | 10 13 | 2 46 | 8 47 | 0 27 | 16 51 | 1 21 | 18 11 | 16 19 | 21 36 | 21 35 | 15 46 | | n.a. |
| T 3 | 21 1 | 19 47 | 1n13 | 23 40 | 0 15 | 9 53 | 0 16 | 26 5 | 4 48 | 24 16 | 0 46 | 10 14 | 2 46 | 8 47 | 0 27 | 16 51 | 1 21 | 18 11 | 16 20 | 21 36 | 21 35 | 15 48 | | n.a. |
| F 4 | 20 48 | 16 44 | 2 26 | 23 50 | 0 4 | 9 23 | 0 13 | 26 9 | 4 48 | 24 15 | 0 46 | 10 16 | 2 46 | 8 47 | 0 27 | 16 51 | 1 21 | 18 12 | 16 20 | 21 36 | 21 36 | 15 50 | | n.a. |
| S 5 | 20 36 | 12 51 | 3 28 | 24 0 | 0 s 6 | 8 53 | 0 10 | 26 13 | 4 48 | 24 14 | 0 46 | 10 17 | 2 46 | 8 48 | 0 27 | 16 52 | 1 21 | 18 13 | 16 21 | 21 36 | 21 36 | 15 52 | | n.a. |
| S 6 | 20 23 | 8 27 | 4 17 | 24 9 | 0 16 | 8 23 | 0 6 | 26 17 | 4 47 | 24 13 | 0 46 | 10 18 | 2 47 | 8 48 | 0 27 | 16 52 | 1 21 | 18 13 | 16 21 | 21 36 | 21 37 | 15 54 | | n.a. |
| M 7 | 20 10 | 3 48 | 4 52 | 24 17 | 0 26 | 7 53 | 0 3 | 26 21 | 4 47 | 24 12 | 0 46 | 10 20 | 2 47 | 8 48 | 0 27 | 16 52 | 1 21 | 18 14 | 16 21 | 21 36 | 21 38 | 15 56 | | n.a. |
| T 8 | 19 56 | 0 s53 | 5 12 | 24 25 | 0 36 | 7 22 | 0n 1 | 26 25 | 4 46 | 24 10 | 0 46 | 10 21 | 2 47 | 8 48 | 0 27 | 16 52 | 1 21 | 18 15 | 16 22 | 21 36 | 21 38 | 15 58 | | n.a. |
| W 9 | 19 42 | 5 26 | 5 17 | 24 31 | 0 45 | 6 51 | 0 5 | 26 28 | 4 45 | 24 9 | 0 47 | 10 22 | 2 47 | 8 48 | 0 27 | 16 53 | 1 21 | 18 16 | 16 22 | 21 37 | 21 39 | 16 0 | | n.a. |
| T 10 | 19 27 | 9 42 | 5 8 | 24 36 | 0 53 | 6 21 | 0 8 | 26 31 | 4 44 | 24 8 | 0 47 | 10 24 | 2 47 | 8 48 | 0 27 | 16 53 | 1 21 | 18 16 | 16 23 | 21 37 | 21 39 | 16 2 | | n.a. |
| F 11 | 19 13 | 13 33 | 4 46 | 24 40 | 1 2 | 5 50 | 0 12 | 26 34 | 4 43 | 24 7 | 0 47 | 10 25 | 2 48 | 8 48 | 0 27 | 16 53 | 1 21 | 18 17 | 16 23 | 21 37 | 21 40 | 16 4 | | n.a. |
| S 12 | 18 58 | 16 52 | 4 12 | 24 42 | 1 9 | 5 19 | 0 16 | 26 37 | 4 42 | 24 6 | 0 47 | 10 27 | 2 48 | 8 48 | 0 27 | 16 53 | 1 21 | 18 18 | 16 23 | 21 36 | 21 40 | 16 5 | | n.a. |
| S 13 | 18 43 | 19 30 | 3 28 | 24 44 | 1 17 | 4 47 | 0 20 | 26 40 | 4 41 | 24 5 | 0 47 | 10 28 | 2 48 | 8 48 | 0 27 | 16 53 | 1 21 | 18 19 | 16 24 | 21 36 | 21 41 | 16 7 | | n.a. |
| M14 | 18 27 | 21 18 | 2 33 | 24 44 | 1 24 | 4 16 | 0 24 | 26 42 | 4 40 | 24 3 | 0 47 | 10 30 | 2 48 | 8 48 | 0 27 | 16 54 | 1 22 | 18 19 | 16 24 | 21 36 | 21 42 | 16 9 | | n.a. |
| T 15 | 18 11 | 22 9 | 1 31 | 24 43 | 1 30 | 3 45 | 0 27 | 26 44 | 4 38 | 24 2 | 0 47 | 10 31 | 2 48 | 8 48 | 0 27 | 16 54 | 1 22 | 18 20 | 16 24 | 21 36 | 21 42 | 16 11 | | n.a. |
| W16 | 17 55 | 21 56 | 0 24 | 24 40 | 1 37 | 3 14 | 0 31 | 26 46 | 4 37 | 24 1 | 0 48 | 10 33 | 2 48 | 8 48 | 0 27 | 16 54 | 1 22 | 18 21 | 16 25 | 21 36 | 21 43 | 16 13 | | n.a. |
| T 17 | 17 38 | 20 37 | 0 s45 | 24 36 | 1 42 | 2 42 | 0 35 | 26 47 | 4 35 | 24 0 | 0 48 | 10 34 | 2 49 | 8 48 | 0 27 | 16 54 | 1 22 | 18 22 | 16 25 | 21 36 | 21 43 | 16 15 | | n.a. |
| F 18 | 17 21 | 18 13 | 1 54 | 24 31 | 1 48 | 2 11 | 0 39 | 26 49 | 4 34 | 23 58 | 0 48 | 10 36 | 2 49 | 8 48 | 0 27 | 16 54 | 1 22 | 18 22 | 16 25 | 21 36 | 21 44 | 16 17 | | n.a. |
| S 19 | 17 4 | 14 50 | 2 57 | 24 23 | 1 53 | 1 39 | 0 43 | 26 50 | 4 32 | 23 57 | 0 48 | 10 37 | 2 49 | 8 48 | 0 27 | 16 54 | 1 22 | 18 23 | 16 26 | 21 36 | 21 44 | 16 19 | | n.a. |
| S 20 | 16 47 | 10 39 | 3 53 | 24 15 | 1 57 | 1 8 | 0 47 | 26 51 | 4 30 | 23 56 | 0 48 | 10 39 | 2 49 | 8 48 | 0 27 | 16 54 | 1 22 | 18 24 | 16 26 | 21 37 | 21 45 | 16 21 | | n.a. |
| M21 | 16 29 | 5 52 | 4 36 | 24 4 | 2 1 | 0 36 | 0 51 | 26 52 | 4 28 | 23 55 | 0 48 | 10 41 | 2 49 | 8 47 | 0 27 | 16 55 | 1 22 | 18 25 | 16 26 | 21 37 | 21 46 | 16 23 | | n.a. |
| T 22 | 16 11 | 0 44 | 5 4 | 23 52 | 2 4 | 0 5 | 0 55 | 26 52 | 4 26 | 23 53 | 0 49 | 10 42 | 2 49 | 8 47 | 0 27 | 16 55 | 1 22 | 18 26 | 16 27 | 21 38 | 21 46 | 16 25 | | n.a. |
| W23 | 15 53 | 4n30 | 5 14 | 23 39 | 2 7 | 0n26 | 0 59 | 26 53 | 4 24 | 23 52 | 0 49 | 10 44 | 2 50 | 8 47 | 0 27 | 16 55 | 1 22 | 18 26 | 16 27 | 21 38 | 21 47 | 16 27 | | n.a. |
| T 24 | 15 35 | 9 32 | 5 6 | 23 23 | 2 10 | 0 58 | 1 3 | 26 53 | 4 22 | 23 51 | 0 49 | 10 46 | 2 50 | 8 47 | 0 27 | 16 55 | 1 22 | 18 27 | 16 27 | 21 38 | 21 47 | 16 29 | | n.a. |
| F 25 | 15 16 | 14 6 | 4 40 | 23 6 | 2 12 | 1 29 | 1 7 | 26 53 | 4 20 | 23 49 | 0 49 | 10 47 | 2 50 | 8 47 | 0 27 | 16 55 | 1 22 | 18 28 | 16 27 | 21 38 | 21 48 | 16 31 | | n.a. |
| S 26 | 14 57 | 17 53 | 3 56 | 22 47 | 2 13 | 2 0 | 1 11 | 26 52 | 4 18 | 23 48 | 0 49 | 10 49 | 2 50 | 8 46 | 0 27 | 16 55 | 1 22 | 18 29 | 16 28 | 21 38 | 21 48 | 16 33 | | n.a. |
| S 27 | 14 38 | 20 37 | 2 57 | 22 26 | 2 14 | 2 31 | 1 15 | 26 52 | 4 15 | 23 46 | 0 49 | 10 51 | 2 50 | 8 46 | 0 27 | 16 55 | 1 22 | 18 30 | 16 28 | 21 38 | 21 49 | 16 35 | | n.a. |
| M28 | 14 19 | 22 2 | 1 48 | 22 4 | 2 15 | 3 2 | 1 19 | 26 51 | 4 13 | 23 45 | 0 50 | 10 52 | 2 50 | 8 46 | 0 27 | 16 55 | 1 22 | 18 30 | 16 28 | 21 38 | 21 49 | 16 36 | | n.a. |
| T 29 | 14 s 0 | 22n 3 | 0 s33 | 21 s39 | 2 s15 | 3n33 | 1n24 | 26n51 | 4n11 | 23 s44 | 0 s50 | 10n54 | 2n50 | 8 s45 | 0n27 | 16 s55 | 1n22 | 18n31 | 16n28 | 21n38 | 21n50 | 16 s38 | | n.a. |

Julian Day Number = 1003737.5, Delta T = 12h48m08s
Ecliptic obliquity = 23°55'10, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'52, Lahiri = -31°02'52 Julian Calendar 1 Feb. 1965 BCE == Greg. Calendar 15 Jan. 1965 BCE


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## MARCH 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 29 32 | 24♒21'57 | 2♌43 | 6♒26 | 6♈45 | 17°R38 | 16♑30 | 9°R 7 | 23°R10 | 20♏32 | 21°R20 | 24°R37 | 23♋25 | 0♐36 | n.a. | W 1 |
| T 2 | 9 33 29 | 25°20'24 | 16°35 | 8°10 | 7°52 | 17♋28 | 16°43 | 9♍ 3 | 23♎ 9 | 20°32 | 21♍19 | 24♋36 | 23°22 | 0°42 | n.a. | T 2 |
| F 3 | 9 37 25 | 26°18'48 | 0♍14 | 9°56 | 8°59 | 17°19 | 16°56 | 8°59 | 23° 8 | 20°32 | 21°17 | 24°33 | 23°19 | 0°49 | n.a. | F 3 |
| S 4 | 9 41 22 | 27°17'10 | 13°36 | 11°43 | 10° 6 | 17°11 | 17° 8 | 8°55 | 23° 7 | 20°32 | 21°16 | 24°28 | 23°16 | 0°56 | n.a. | S 4 |
| S 5 | 9 45 19 | 28°15'30 | 26°41 | 13°32 | 11°12 | 17° 3 | 17°21 | 8°50 | 23° 6 | 20°32 | 21°14 | 24°23 | 23°13 | 1° 2 | n.a. | S 5 |
| M 6 | 9 49 15 | 29°13'48 | 9♎27 | 15°23 | 12°18 | 16°57 | 17°33 | 8°46 | 23° 5 | 20°33 | 21°13 | 24°17 | 23° 9 | 1° 9 | n.a. | M 6 |
| T 7 | 9 53 12 | 0♓12'05 | 21°56 | 17°15 | 13°24 | 16°51 | 17°46 | 8°41 | 23° 4 | 20°33 | 21°11 | 24°12 | 23° 6 | 1°16 | n.a. | T 7 |
| W 8 | 9 57 8 | 1°10'19 | 4♏10 | 19° 9 | 14°30 | 16°46 | 17°58 | 8°37 | 23° 2 | 20°33 | 21°10 | 24° 7 | 23° 3 | 1°22 | n.a. | W 8 |
| T 9 | 10 1 5 | 2° 8'32 | 16°12 | 21° 5 | 15°35 | 16°42 | 18°10 | 8°33 | 23° 1 | 20°R33 | 21° 8 | 24° 4 | 23° 0 | 1°29 | n.a. | T 9 |
| F 10 | 10 5 1 | 3° 6'44 | 28° 6 | 23° 2 | 16°41 | 16°38 | 18°22 | 8°28 | 23° 0 | 20°33 | 21° 7 | 24°D 3 | 22°57 | 1°36 | n.a. | F 10 |
| S 11 | 10 8 58 | 4° 4'53 | 9♐57 | 25° 1 | 17°46 | 16°35 | 18°35 | 8°24 | 22°59 | 20°33 | 21° 5 | 24° 3 | 22°53 | 1°42 | n.a. | S 11 |
| S 12 | 10 12 54 | 5° 3'02 | 21°50 | 27° 1 | 18°51 | 16°34 | 18°47 | 8°19 | 22°57 | 20°33 | 21° 4 | 24° 4 | 22°50 | 1°49 | n.a. | S 12 |
| M13 | 10 16 51 | 6° 1'08 | 3♑50 | 29° 3 | 19°55 | 16°32 | 18°59 | 8°15 | 22°56 | 20°32 | 21° 2 | 24° 5 | 22°47 | 1°56 | n.a. | M13 |
| T 14 | 10 20 47 | 6°59'13 | 16° 2 | 1♓ 6 | 21° 0 | 16°D32 | 19°10 | 8°10 | 22°55 | 20°32 | 21° 0 | 24° 7 | 22°44 | 2° 3 | n.a. | T 14 |
| W15 | 10 24 44 | 7°57'16 | 28°30 | 3°11 | 22° 4 | 16°32 | 19°22 | 8° 6 | 22°53 | 20°32 | 20°59 | 24°R 7 | 22°41 | 2° 9 | n.a. | W15 |
| T 16 | 10 28 41 | 8°55'18 | 11♒16 | 5°16 | 23° 7 | 16°34 | 19°34 | 8° 1 | 22°52 | 20°32 | 20°57 | 24° 5 | 22°38 | 2°16 | n.a. | T 16 |
| F 17 | 10 32 37 | 9°53'18 | 24°24 | 7°23 | 24°11 | 16°36 | 19°46 | 7°57 | 22°50 | 20°32 | 20°55 | 24° 2 | 22°34 | 2°23 | n.a. | F 17 |
| S 18 | 10 36 34 | 10°51'16 | 7♓52 | 9°31 | 25°14 | 16°38 | 19°57 | 7°52 | 22°48 | 20°31 | 20°54 | 23°56 | 22°31 | 2°29 | n.a. | S 18 |
| S 19 | 10 40 30 | 11°49'12 | 21°39 | 11°40 | 26°17 | 16°42 | 20° 9 | 7°48 | 22°47 | 20°31 | 20°52 | 23°49 | 22°28 | 2°36 | n.a. | S 19 |
| M20 | 10 44 27 | 12°47'07 | 5♈42 | 13°49 | 27°20 | 16°46 | 20°20 | 7°43 | 22°45 | 20°31 | 20°50 | 23°42 | 22°25 | 2°43 | n.a. | M20 |
| T 21 | 10 48 23 | 13°44'59 | 19°56 | 15°59 | 28°23 | 16°51 | 20°31 | 7°39 | 22°43 | 20°30 | 20°49 | 23°34 | 22°22 | 2°49 | n.a. | T 21 |
| W22 | 10 52 20 | 14°42'50 | 4♉15 | 18° 8 | 29°25 | 16°56 | 20°42 | 7°34 | 22°42 | 20°30 | 20°47 | 23°27 | 22°18 | 2°56 | n.a. | W22 |
| T 23 | 10 56 16 | 15°40'39 | 18°36 | 20°18 | 0♉27 | 17° 2 | 20°53 | 7°30 | 22°40 | 20°30 | 20°45 | 23°22 | 22°15 | 3° 3 | n.a. | T 23 |
| F 24 | 11 0 13 | 16°38'26 | 2♊54 | 22°27 | 1°28 | 17° 9 | 21° 4 | 7°26 | 22°38 | 20°29 | 20°44 | 23°19 | 22°12 | 3° 9 | n.a. | F 24 |
| S 25 | 11 4 9 | 17°36'11 | 17° 5 | 24°35 | 2°29 | 17°17 | 21°15 | 7°21 | 22°36 | 20°29 | 20°42 | 23°D19 | 22° 9 | 3°16 | n.a. | S 25 |
| S 26 | 11 8 6 | 18°33'55 | 1♋ 9 | 26°43 | 3°30 | 17°25 | 21°26 | 7°17 | 22°34 | 20°28 | 20°40 | 23°19 | 22° 6 | 3°23 | n.a. | S 26 |
| M27 | 11 12 3 | 19°31'36 | 15° 4 | 28°49 | 4°31 | 17°34 | 21°37 | 7°12 | 22°33 | 20°28 | 20°39 | 23°20 | 22° 3 | 3°30 | n.a. | M27 |
| T 28 | 11 15 59 | 20°29'16 | 28°50 | 0♈53 | 5°31 | 17°44 | 21°47 | 7° 8 | 22°31 | 20°27 | 20°37 | 23°R20 | 21°59 | 3°36 | n.a. | T 28 |
| W29 | 11 19 56 | 21°26'54 | 12♌27 | 2°56 | 6°30 | 17°54 | 21°58 | 7° 4 | 22°29 | 20°26 | 20°35 | 23°18 | 21°56 | 3°43 | n.a. | W29 |
| T 30 | 11 23 52 | 22°24'30 | 25°54 | 4°56 | 7°30 | 18° 5 | 22° 8 | 7° 0 | 22°27 | 20°26 | 20°34 | 23°15 | 21°53 | 3°50 | n.a. | T 30 |
| F 31 | 11 27 49 | 23♓22'04 | 9♍ 9 | 6♈54 | 8♉29 | 18♋16 | 22♑19 | 6♍55 | 22♎25 | 20♏25 | 20♍32 | 23♋ 8 | 21♋50 | 3♐56 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 13s40 | 20n40 | 0n44 | 21s12 | 2s15 | 4n 4 | 1n28 | 26n50 | 4n 8 | 23s42 | 0s50 | 10n56 | 2n50 | 8s45 | 0n28 | 16s55 | 1n22 | 18n32 | 16n29 | 21n38 | 21n51 | 16s40 | | n.a. |
| T 2 | 13 20 | 18 2 | 1 57 | 20 44 | 2 14 | 4 35 | 1 32 | 26 49 | 4 6 | 23 41 | 0 50 | 10 58 | 2 51 | 8 45 | 0 28 | 16 55 | 1 22 | 18 33 | 16 29 | 21 38 | 21 51 | 16 42 | | n.a. |
| F 3 | 13 0 | 14 27 | 3 2 | 20 14 | 2 12 | 5 6 | 1 36 | 26 47 | 4 3 | 23 39 | 0 50 | 10 59 | 2 51 | 8 44 | 0 28 | 16 55 | 1 22 | 18 33 | 16 29 | 21 39 | 21 52 | 16 44 | | n.a. |
| S 4 | 12 39 | 10 11 | 3 56 | 19 41 | 2 10 | 5 36 | 1 40 | 26 46 | 4 1 | 23 38 | 0 50 | 11 1 | 2 51 | 8 44 | 0 28 | 16 55 | 1 22 | 18 34 | 16 29 | 21 39 | 21 52 | 16 46 | | n.a. |
| S 5 | 12 19 | 5 33 | 4 36 | 19 7 | 2 7 | 6 6 | 1 44 | 26 45 | 3 58 | 23 36 | 0 51 | 11 3 | 2 51 | 8 44 | 0 28 | 16 55 | 1 22 | 18 35 | 16 29 | 21 40 | 21 53 | 16 48 | | n.a. |
| M 6 | 11 58 | 0 47 | 5 1 | 18 31 | 2 4 | 6 36 | 1 48 | 26 43 | 3 56 | 23 35 | 0 51 | 11 5 | 2 51 | 8 43 | 0 28 | 16 55 | 1 22 | 18 36 | 16 30 | 21 41 | 21 53 | 16 50 | | n.a. |
| T 7 | 11 37 | 3s55 | 5 11 | 17 53 | 2 0 | 7 6 | 1 52 | 26 41 | 3 53 | 23 33 | 0 51 | 11 6 | 2 51 | 8 43 | 0 28 | 16 55 | 1 22 | 18 37 | 16 30 | 21 42 | 21 54 | 16 52 | | n.a. |
| W 8 | 11 16 | 8 22 | 5 6 | 17 13 | 1 56 | 7 36 | 1 56 | 26 39 | 3 50 | 23 32 | 0 51 | 11 8 | 2 51 | 8 42 | 0 28 | 16 55 | 1 22 | 18 37 | 16 30 | 21 43 | 21 54 | 16 54 | | n.a. |
| T 9 | 10 55 | 12 25 | 4 48 | 16 31 | 1 51 | 8 5 | 2 0 | 26 37 | 3 48 | 23 30 | 0 51 | 11 10 | 2 51 | 8 42 | 0 28 | 16 55 | 1 22 | 18 38 | 16 30 | 21 44 | 21 55 | 16 55 | | n.a. |
| F 10 | 10 34 | 15 57 | 4 18 | 15 47 | 1 46 | 8 35 | 2 4 | 26 35 | 3 45 | 23 29 | 0 52 | 11 12 | 2 51 | 8 41 | 0 28 | 16 55 | 1 22 | 18 39 | 16 30 | 21 44 | 21 55 | 16 57 | | n.a. |
| S 11 | 10 12 | 18 49 | 3 37 | 15 1 | 1 40 | 9 4 | 2 8 | 26 33 | 3 43 | 23 27 | 0 52 | 11 13 | 2 51 | 8 41 | 0 28 | 16 55 | 1 22 | 18 40 | 16 30 | 21 44 | 21 56 | 16 59 | | n.a. |
| S 12 | 9 51 | 20 54 | 2 46 | 14 13 | 1 34 | 9 33 | 2 12 | 26 30 | 3 40 | 23 26 | 0 52 | 11 15 | 2 51 | 8 40 | 0 28 | 16 55 | 1 22 | 18 40 | 16 31 | 21 44 | 21 57 | 17 1 | | n.a. |
| M13 | 9 29 | 22 4 | 1 48 | 13 23 | 1 27 | 10 1 | 2 15 | 26 28 | 3 37 | 23 24 | 0 52 | 11 17 | 2 51 | 8 40 | 0 28 | 16 55 | 1 23 | 18 41 | 16 31 | 21 43 | 21 57 | 17 3 | | n.a. |
| T 14 | 9 7 | 22 13 | 0 44 | 12 32 | 1 19 | 10 30 | 2 19 | 26 25 | 3 35 | 23 23 | 0 52 | 11 19 | 2 51 | 8 39 | 0 28 | 16 55 | 1 23 | 18 42 | 16 31 | 21 43 | 21 58 | 17 5 | | n.a. |
| W15 | 8 45 | 21 16 | 0s24 | 11 39 | 1 11 | 10 58 | 2 23 | 26 23 | 3 32 | 23 21 | 0 53 | 11 20 | 2 51 | 8 39 | 0 28 | 16 55 | 1 23 | 18 43 | 16 31 | 21 43 | 21 58 | 17 7 | | n.a. |
| T 16 | 8 23 | 19 12 | 1 32 | 10 44 | 1 3 | 11 25 | 2 27 | 26 20 | 3 29 | 23 20 | 0 53 | 11 22 | 2 51 | 8 38 | 0 28 | 16 55 | 1 23 | 18 43 | 16 31 | 21 43 | 21 59 | 17 9 | | n.a. |
| F 17 | 8 1 | 16 6 | 2 36 | 9 48 | 0 54 | 11 53 | 2 30 | 26 17 | 3 27 | 23 18 | 0 53 | 11 24 | 2 51 | 8 38 | 0 28 | 16 55 | 1 23 | 18 44 | 16 31 | 21 44 | 21 59 | 17 11 | | n.a. |
| S 18 | 7 38 | 12 5 | 3 34 | 8 50 | 0 44 | 12 20 | 2 34 | 26 14 | 3 24 | 23 17 | 0 53 | 11 26 | 2 51 | 8 37 | 0 28 | 16 55 | 1 23 | 18 45 | 16 31 | 21 45 | 22 0 | 17 12 | | n.a. |
| S 19 | 7 16 | 7 21 | 4 20 | 7 52 | 0 35 | 12 47 | 2 37 | 26 11 | 3 22 | 23 15 | 0 53 | 11 27 | 2 51 | 8 36 | 0 28 | 16 55 | 1 23 | 18 46 | 16 31 | 21 46 | 22 0 | 17 14 | | n.a. |
| M20 | 6 54 | 2 9 | 4 52 | 6 52 | 0 25 | 13 14 | 2 41 | 26 8 | 3 19 | 23 14 | 0 54 | 11 29 | 2 51 | 8 36 | 0 28 | 16 54 | 1 23 | 18 46 | 16 31 | 21 48 | 22 1 | 17 16 | | n.a. |
| T 21 | 6 31 | 3n14 | 5 6 | 5 51 | 0 14 | 13 40 | 2 44 | 26 5 | 3 16 | 23 12 | 0 54 | 11 31 | 2 51 | 8 35 | 0 28 | 16 54 | 1 23 | 18 47 | 16 31 | 21 49 | 22 1 | 17 18 | | n.a. |
| W22 | 6 8 | 8 28 | 5 1 | 4 50 | 0 4 | 14 6 | 2 48 | 26 1 | 3 14 | 23 11 | 0 54 | 11 32 | 2 51 | 8 34 | 0 28 | 16 54 | 1 23 | 18 48 | 16 31 | 21 50 | 22 2 | 17 20 | | n.a. |
| T 23 | 5 45 | 13 16 | 4 38 | 3 49 | 0n 7 | 14 31 | 2 51 | 25 58 | 3 11 | 23 9 | 0 54 | 11 34 | 2 51 | 8 34 | 0 28 | 16 54 | 1 23 | 18 48 | 16 31 | 21 51 | 22 2 | 17 22 | | n.a. |
| F 24 | 5 23 | 17 17 | 3 57 | 2 47 | 0 18 | 14 56 | 2 54 | 25 55 | 3 9 | 23 8 | 0 55 | 11 36 | 2 51 | 8 33 | 0 28 | 16 54 | 1 23 | 18 49 | 16 31 | 21 52 | 22 3 | 17 24 | | n.a. |
| S 25 | 5 0 | 20 16 | 3 2 | 1 45 | 0 28 | 15 21 | 2 58 | 25 51 | 3 6 | 23 6 | 0 55 | 11 37 | 2 51 | 8 32 | 0 28 | 16 54 | 1 23 | 18 50 | 16 31 | 21 52 | 22 3 | 17 25 | | n.a. |
| S 26 | 4 37 | 21 59 | 1 56 | 0 44 | 0 39 | 15 45 | 3 1 | 25 47 | 3 3 | 23 5 | 0 55 | 11 39 | 2 51 | 8 32 | 0 28 | 16 54 | 1 23 | 18 50 | 16 31 | 21 52 | 22 4 | 17 27 | | n.a. |
| M27 | 4 14 | 22 19 | 0 44 | 0n16 | 0 50 | 16 9 | 3 4 | 25 44 | 3 1 | 23 3 | 0 55 | 11 41 | 2 51 | 8 31 | 0 28 | 16 53 | 1 23 | 18 51 | 16 31 | 21 51 | 22 4 | 17 29 | | n.a. |
| T 28 | 3 51 | 21 17 | 0n29 | 1 16 | 1 0 | 16 33 | 3 7 | 25 40 | 2 58 | 23 2 | 0 55 | 11 42 | 2 51 | 8 30 | 0 28 | 16 53 | 1 23 | 18 52 | 16 31 | 21 51 | 22 5 | 17 31 | | n.a. |
| W29 | 3 27 | 19 1 | 1 40 | 2 15 | 1 10 | 16 56 | 3 10 | 25 36 | 2 56 | 23 0 | 0 56 | 11 44 | 2 51 | 8 29 | 0 28 | 16 53 | 1 23 | 18 52 | 16 31 | 21 52 | 22 6 | 17 33 | | n.a. |
| T 30 | 3 4 | 15 43 | 2 45 | 3 13 | 1 20 | 17 19 | 3 13 | 25 32 | 2 53 | 22 59 | 0 56 | 11 45 | 2 51 | 8 29 | 0 28 | 16 53 | 1 23 | 18 53 | 16 31 | 21 52 | 22 6 | 17 35 | | n.a. |
| F 31 | 2s41 | 11n40 | 3n39 | 4n 9 | 1n29 | 17n41 | 3n15 | 25n28 | 2n51 | 22s57 | 0s56 | 11n47 | 2n51 | 8s28 | 0n28 | 16s53 | 1n23 | 18n54 | 16n31 | 21n54 | 22n 7 | 17s36 | | n.a. |

Julian Day Number = 1003766.5, Delta T = 12h48m06s
Ecliptic obliquity = 23°55'11, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'48, Lahiri = -31°02'48 Julian Calendar 1 March 1965 BCE == Greg. Calendar 13 Feb. 1965 BCE

The year -1964 astronomical counting style corresponds to year 1965 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## APRIL 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 31 45 | 24♓19'37 | 22♍12 | 8♈50 | 9♉27 | 18♋28 | 22♑29 | 6°R51 | 22°R23 | 20°R24 | 20°R30 | 22°R59 | 21♋47 | 4♐ 3 | n.a. | S 1 |
| S 2 | 11 35 42 | 25°17'09 | 5♎ 2 | 10°43 | 10°25 | 18°41 | 22°39 | 6♍47 | 22♎21 | 20♏24 | 20♍29 | 22♋49 | 21°44 | 4°10 | n.a. | S 2 |
| M 3 | 11 39 38 | 26°14'39 | 17°38 | 12°34 | 11°23 | 18°54 | 22°49 | 6°43 | 22°18 | 20°23 | 20°27 | 22°38 | 21°40 | 4°16 | n.a. | M 3 |
| T 4 | 11 43 35 | 27°12'08 | 0♏ 1 | 14°21 | 12°20 | 19° 7 | 22°59 | 6°39 | 22°16 | 20°22 | 20°25 | 22°27 | 21°37 | 4°23 | n.a. | T 4 |
| W 5 | 11 47 31 | 28° 9'35 | 12°10 | 16° 6 | 13°17 | 19°21 | 23° 8 | 6°35 | 22°14 | 20°21 | 20°24 | 22°18 | 21°34 | 4°30 | n.a. | W 5 |
| T 6 | 11 51 28 | 29° 7'02 | 24°10 | 17°47 | 14°13 | 19°36 | 23°18 | 6°31 | 22°12 | 20°20 | 20°22 | 22°10 | 21°31 | 4°36 | n.a. | T 6 |
| F 7 | 11 55 25 | 0♈ 4'28 | 6♐ 3 | 19°26 | 15° 9 | 19°51 | 23°28 | 6°27 | 22°10 | 20°20 | 20°20 | 22° 5 | 21°28 | 4°43 | n.a. | F 7 |
| S 8 | 11 59 21 | 1° 1'52 | 17°53 | 21° 1 | 16° 4 | 20° 7 | 23°37 | 6°23 | 22° 8 | 20°19 | 20°19 | 22° 2 | 21°24 | 4°50 | n.a. | S 8 |
| S 9 | 12 3 18 | 1°59'16 | 29°45 | 22°33 | 16°58 | 20°23 | 23°46 | 6°19 | 22° 5 | 20°18 | 20°17 | 22°D 1 | 21°21 | 4°56 | n.a. | S 9 |
| M10 | 12 7 14 | 2°56'39 | 11♑44 | 24° 2 | 17°53 | 20°40 | 23°55 | 6°15 | 22° 3 | 20°17 | 20°15 | 22° 2 | 21°18 | 5° 3 | n.a. | M10 |
| T 11 | 12 11 11 | 3°54'01 | 23°56 | 25°28 | 18°46 | 20°57 | 24° 4 | 6°12 | 22° 1 | 20°16 | 20°14 | 22°R 2 | 21°15 | 5°10 | n.a. | T 11 |
| W12 | 12 15 7 | 4°51'22 | 6♒26 | 26°50 | 19°39 | 21°15 | 24°13 | 6° 8 | 21°58 | 20°15 | 20°12 | 22° 1 | 21°12 | 5°17 | n.a. | W12 |
| T 13 | 12 19 4 | 5°48'43 | 19°18 | 28° 9 | 20°32 | 21°33 | 24°22 | 6° 4 | 21°56 | 20°14 | 20°11 | 21°58 | 21° 9 | 5°23 | n.a. | T 13 |
| F 14 | 12 23 0 | 6°46'02 | 2♓34 | 29°24 | 21°23 | 21°52 | 24°31 | 6° 1 | 21°54 | 20°13 | 20° 9 | 21°53 | 21° 5 | 5°30 | n.a. | F 14 |
| S 15 | 12 26 57 | 7°43'20 | 16°16 | 0♉36 | 22°15 | 22°11 | 24°39 | 5°57 | 21°51 | 20°12 | 20° 7 | 21°45 | 21° 2 | 5°37 | n.a. | S 15 |
| S 16 | 12 30 54 | 8°40'38 | 0♈23 | 1°45 | 23° 5 | 22°31 | 24°48 | 5°54 | 21°49 | 20°11 | 20° 6 | 21°36 | 20°59 | 5°43 | n.a. | S 16 |
| M17 | 12 34 50 | 9°37'55 | 14°49 | 2°50 | 23°55 | 22°51 | 24°56 | 5°51 | 21°47 | 20°10 | 20° 4 | 21°25 | 20°56 | 5°50 | n.a. | M17 |
| T 18 | 12 38 47 | 10°35'10 | 29°29 | 3°51 | 24°44 | 23°11 | 25° 4 | 5°47 | 21°44 | 20° 8 | 20° 3 | 21°14 | 20°53 | 5°57 | n.a. | T 18 |
| W19 | 12 42 43 | 11°32'25 | 14♉14 | 4°49 | 25°32 | 23°32 | 25°12 | 5°44 | 21°42 | 20° 7 | 20° 1 | 21° 4 | 20°49 | 6° 3 | n.a. | W19 |
| T 20 | 12 46 40 | 12°29'39 | 28°57 | 5°43 | 26°20 | 23°53 | 25°20 | 5°41 | 21°40 | 20° 6 | 20° 0 | 20°57 | 20°46 | 6°10 | n.a. | T 20 |
| F 21 | 12 50 36 | 13°26'52 | 13♊31 | 6°33 | 27° 6 | 24°15 | 25°27 | 5°38 | 21°37 | 20° 5 | 19°58 | 20°52 | 20°43 | 6°17 | n.a. | F 21 |
| S 22 | 12 54 33 | 14°24'03 | 27°52 | 7°19 | 27°52 | 24°37 | 25°35 | 5°35 | 21°35 | 20° 4 | 19°57 | 20°50 | 20°40 | 6°23 | n.a. | S 22 |
| S 23 | 12 58 30 | 15°21'14 | 11♋57 | 8° 1 | 28°37 | 24°59 | 25°42 | 5°32 | 21°32 | 20° 2 | 19°55 | 20°49 | 20°37 | 6°30 | n.a. | S 23 |
| M24 | 13 2 26 | 16°18'24 | 25°46 | 8°39 | 29°22 | 25°22 | 25°50 | 5°29 | 21°30 | 20° 1 | 19°54 | 20°49 | 20°34 | 6°37 | n.a. | M24 |
| T 25 | 13 6 23 | 17°15'32 | 9♌19 | 9°13 | 0♊ 5 | 25°45 | 25°57 | 5°26 | 21°27 | 20° 0 | 19°52 | 20°48 | 20°30 | 6°43 | n.a. | T 25 |
| W26 | 13 10 19 | 18°12'40 | 22°38 | 9°43 | 0°47 | 26° 9 | 26° 4 | 5°24 | 21°25 | 19°59 | 19°51 | 20°46 | 20°27 | 6°50 | n.a. | W26 |
| T 27 | 13 14 16 | 19° 9'47 | 5♍45 | 10° 8 | 1°28 | 26°33 | 26°10 | 5°21 | 21°22 | 19°57 | 19°49 | 20°41 | 20°24 | 6°57 | n.a. | T 27 |
| F 28 | 13 18 12 | 20° 6'52 | 18°40 | 10°28 | 2° 8 | 26°57 | 26°17 | 5°18 | 21°20 | 19°56 | 19°48 | 20°33 | 20°21 | 7° 3 | n.a. | F 28 |
| S 29 | 13 22 9 | 21° 3'57 | 1♎23 | 10°44 | 2°47 | 27°22 | 26°24 | 5°16 | 21°18 | 19°55 | 19°47 | 20°22 | 20°18 | 7°10 | n.a. | S 29 |
| S 30 | 13 26 5 | 22♈ 1'02 | 13♎56 | 10♉56 | 3♊25 | 27♋46 | 26♑30 | 5♍14 | 21♎15 | 19♏53 | 19♍45 | 20♋10 | 20♋15 | 7♐17 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s18 | 7n 8 | 4n21 | 5n 4 | 1n38 | 18n 3 | 3n18 | 25n24 | 2n49 | 22s56 | 0s56 | 11n48 | 2n51 | 8s27 | 0n28 | 16s52 | 1n23 | 18n54 | 16n31 | 21n55 | 22n 7 | 17s38 | | n.a. |
| S 2 | 1 55 | 2 22 | 4 49 | 5 57 | 1 46 | 18 24 | 3 20 | 25 20 | 2 46 | 22 54 | 0 57 | 11 50 | 2 51 | 8 26 | 0 28 | 16 52 | 1 23 | 18 55 | 16 31 | 21 57 | 22 8 | 17 40 | | n.a. |
| M 3 | 1 31 | 2s25 | 5 2 | 6 48 | 1 54 | 18 45 | 3 23 | 25 15 | 2 44 | 22 53 | 0 57 | 11 51 | 2 51 | 8 25 | 0 28 | 16 52 | 1 23 | 18 55 | 16 31 | 21 59 | 22 8 | 17 42 | | n.a. |
| T 4 | 1 8 | 7 1 | 5 1 | 7 37 | 2 1 | 19 5 | 3 25 | 25 11 | 2 41 | 22 51 | 0 57 | 11 53 | 2 51 | 8 25 | 0 28 | 16 52 | 1 23 | 18 56 | 16 31 | 22 0 | 22 9 | 17 44 | | n.a. |
| W 5 | 0 45 | 11 16 | 4 45 | 8 24 | 2 7 | 19 25 | 3 27 | 25 7 | 2 39 | 22 50 | 0 57 | 11 54 | 2 51 | 8 24 | 0 28 | 16 51 | 1 23 | 18 57 | 16 31 | 22 2 | 22 9 | 17 46 | | n.a. |
| T 6 | 0 21 | 15 2 | 4 18 | 9 9 | 2 13 | 19 45 | 3 29 | 25 2 | 2 37 | 22 48 | 0 58 | 11 56 | 2 50 | 8 23 | 0 28 | 16 51 | 1 23 | 18 57 | 16 30 | 22 3 | 22 10 | 17 47 | | n.a. |
| F 7 | 0n 2 | 18 9 | 3 39 | 9 52 | 2 18 | 20 4 | 3 31 | 24 58 | 2 34 | 22 47 | 0 58 | 11 57 | 2 50 | 8 22 | 0 28 | 16 51 | 1 23 | 18 58 | 16 30 | 22 4 | 22 10 | 17 49 | | n.a. |
| S 8 | 0 25 | 20 31 | 2 51 | 10 33 | 2 22 | 20 22 | 3 33 | 24 53 | 2 32 | 22 46 | 0 58 | 11 58 | 2 50 | 8 21 | 0 28 | 16 51 | 1 23 | 18 58 | 16 30 | 22 5 | 22 11 | 17 51 | | n.a. |
| S 9 | 0 48 | 22 0 | 1 56 | 11 12 | 2 26 | 20 40 | 3 35 | 24 48 | 2 30 | 22 44 | 0 58 | 12 0 | 2 50 | 8 21 | 0 28 | 16 50 | 1 23 | 18 59 | 16 30 | 22 5 | 22 11 | 17 53 | | n.a. |
| M10 | 1 12 | 22 29 | 0 54 | 11 48 | 2 29 | 20 57 | 3 37 | 24 43 | 2 27 | 22 43 | 0 59 | 12 1 | 2 50 | 8 20 | 0 28 | 16 50 | 1 23 | 18 59 | 16 30 | 22 5 | 22 12 | 17 55 | | n.a. |
| T 11 | 1 35 | 21 55 | 0s10 | 12 22 | 2 31 | 21 14 | 3 38 | 24 38 | 2 25 | 22 42 | 0 59 | 12 2 | 2 50 | 8 19 | 0 28 | 16 50 | 1 23 | 19 0 | 16 30 | 22 5 | 22 12 | 17 56 | | n.a. |
| W12 | 1 58 | 20 16 | 1 16 | 12 54 | 2 32 | 21 31 | 3 39 | 24 33 | 2 23 | 22 40 | 0 59 | 12 4 | 2 50 | 8 18 | 0 28 | 16 50 | 1 23 | 19 0 | 16 30 | 22 5 | 22 13 | 17 58 | | n.a. |
| T 13 | 2 21 | 17 32 | 2 19 | 13 24 | 2 33 | 21 46 | 3 40 | 24 28 | 2 21 | 22 39 | 0 59 | 12 5 | 2 50 | 8 17 | 0 28 | 16 49 | 1 23 | 19 1 | 16 29 | 22 5 | 22 13 | 18 0 | | n.a. |
| F 14 | 2 44 | 13 49 | 3 17 | 13 51 | 2 32 | 22 1 | 3 41 | 24 23 | 2 19 | 22 38 | 1 0 | 12 6 | 2 49 | 8 16 | 0 28 | 16 49 | 1 23 | 19 1 | 16 29 | 22 6 | 22 14 | 18 2 | | n.a. |
| S 15 | 3 7 | 9 17 | 4 6 | 14 16 | 2 31 | 22 16 | 3 42 | 24 18 | 2 16 | 22 36 | 1 0 | 12 7 | 2 49 | 8 15 | 0 28 | 16 49 | 1 24 | 19 2 | 16 29 | 22 7 | 22 14 | 18 4 | | n.a. |
| S 16 | 3 30 | 4 8 | 4 41 | 14 39 | 2 29 | 22 30 | 3 43 | 24 12 | 2 14 | 22 35 | 1 0 | 12 9 | 2 49 | 8 14 | 0 28 | 16 48 | 1 24 | 19 2 | 16 29 | 22 9 | 22 15 | 18 5 | | n.a. |
| M17 | 3 53 | 1n22 | 4 59 | 14 59 | 2 26 | 22 44 | 3 44 | 24 7 | 2 12 | 22 34 | 1 0 | 12 10 | 2 49 | 8 13 | 0 28 | 16 48 | 1 24 | 19 3 | 16 28 | 22 11 | 22 15 | 18 7 | | n.a. |
| T 18 | 4 16 | 6 52 | 4 58 | 15 17 | 2 23 | 22 57 | 3 44 | 24 1 | 2 10 | 22 33 | 1 1 | 12 11 | 2 49 | 8 13 | 0 28 | 16 48 | 1 24 | 19 3 | 16 28 | 22 12 | 22 16 | 18 9 | | n.a. |
| W19 | 4 39 | 12 1 | 4 37 | 15 33 | 2 18 | 23 9 | 3 44 | 23 55 | 2 8 | 22 31 | 1 1 | 12 12 | 2 49 | 8 12 | 0 28 | 16 47 | 1 24 | 19 3 | 16 28 | 22 14 | 22 16 | 18 11 | | n.a. |
| T 20 | 5 2 | 16 27 | 3 58 | 15 47 | 2 13 | 23 21 | 3 44 | 23 49 | 2 6 | 22 30 | 1 1 | 12 13 | 2 49 | 8 11 | 0 28 | 16 47 | 1 24 | 19 4 | 16 28 | 22 15 | 22 17 | 18 12 | | n.a. |
| F 21 | 5 25 | 19 51 | 3 4 | 15 58 | 2 7 | 23 32 | 3 44 | 23 44 | 2 4 | 22 29 | 1 2 | 12 14 | 2 48 | 8 10 | 0 28 | 16 47 | 1 24 | 19 4 | 16 27 | 22 16 | 22 17 | 18 14 | | n.a. |
| S 22 | 5 47 | 21 56 | 1 58 | 16 7 | 2 0 | 23 42 | 3 44 | 23 37 | 2 2 | 22 28 | 1 2 | 12 15 | 2 48 | 8 9 | 0 28 | 16 46 | 1 24 | 19 4 | 16 27 | 22 16 | 22 18 | 18 16 | | n.a. |
| S 23 | 6 10 | 22 36 | 0 47 | 16 13 | 1 52 | 23 52 | 3 43 | 23 31 | 2 0 | 22 27 | 1 2 | 12 16 | 2 48 | 8 8 | 0 28 | 16 46 | 1 24 | 19 5 | 16 27 | 22 16 | 22 18 | 18 18 | | n.a. |
| M24 | 6 32 | 21 51 | 0n26 | 16 18 | 1 43 | 24 2 | 3 42 | 23 25 | 1 58 | 22 26 | 1 2 | 12 17 | 2 48 | 8 7 | 0 28 | 16 46 | 1 24 | 19 5 | 16 27 | 22 16 | 22 19 | 18 20 | | n.a. |
| T 25 | 6 55 | 19 49 | 1 36 | 16 20 | 1 34 | 24 10 | 3 41 | 23 19 | 1 56 | 22 24 | 1 3 | 12 18 | 2 48 | 8 6 | 0 28 | 16 45 | 1 24 | 19 5 | 16 26 | 22 16 | 22 19 | 18 21 | | n.a. |
| W26 | 7 17 | 16 45 | 2 40 | 16 20 | 1 23 | 24 18 | 3 40 | 23 12 | 1 54 | 22 23 | 1 3 | 12 18 | 2 48 | 8 5 | 0 28 | 16 45 | 1 24 | 19 6 | 16 26 | 22 17 | 22 20 | 18 23 | | n.a. |
| T 27 | 7 39 | 12 53 | 3 34 | 16 17 | 1 12 | 24 26 | 3 39 | 23 6 | 1 52 | 22 22 | 1 3 | 12 19 | 2 47 | 8 4 | 0 28 | 16 44 | 1 24 | 19 6 | 16 26 | 22 18 | 22 20 | 18 25 | | n.a. |
| F 28 | 8 1 | 8 28 | 4 15 | 16 13 | 1 0 | 24 33 | 3 37 | 22 59 | 1 50 | 22 21 | 1 4 | 12 20 | 2 47 | 8 3 | 0 28 | 16 44 | 1 24 | 19 6 | 16 25 | 22 19 | 22 21 | 18 27 | | n.a. |
| S 29 | 8 23 | 3 46 | 4 44 | 16 6 | 0 48 | 24 39 | 3 35 | 22 52 | 1 48 | 22 20 | 1 4 | 12 21 | 2 47 | 8 2 | 0 28 | 16 44 | 1 24 | 19 7 | 16 25 | 22 20 | 22 21 | 18 28 | | n.a. |
| S 30 | 8n45 | 1s 2 | 4n58 | 15n57 | 0n34 | 24n44 | 3n33 | 22n45 | 1n46 | 22s19 | 1s 4 | 12n22 | 2n47 | 8s 1 | 0n28 | 16s43 | 1n24 | 19n 7 | 16n25 | 22n22 | 22n22 | 18s30 | | n.a. |

Julian Day Number = 1003797.5, Delta T = 12h48m04s
Ecliptic obliquity = 23°55'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'44, Lahiri = -31°02'44 Julian Calendar 1 Apr. 1965 BCE == Greg. Calendar 15 March 1965 BCE


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## MAY 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 30 2 | 22♈58'06 | 26♎18 | 11♉ 3 | 4♊ 2 | 28♋12 | 26♏36 | 5°R11 | 21°R13 | 19°R52 | 19°R44 | 19°R57 | 20♋11 | 7♐24 | n.a. | M 1 |
| T 2 | 13 33 59 | 23°55'09 | 8♏30 | 11°R 6 | 4°37 | 28°37 | 26°42 | 5♍ 9 | 21♎10 | 19♏50 | 19♍43 | 19♋44 | 20° 8 | 7°30 | n.a. | T 2 |
| W 3 | 13 37 55 | 24°52'13 | 20°33 | 11° 4 | 5°11 | 29° 3 | 26°48 | 5° 7 | 21° 8 | 19°49 | 19°41 | 19°32 | 20° 5 | 7°37 | n.a. | W 3 |
| T 4 | 13 41 52 | 25°49'16 | 2♐28 | 10°57 | 5°44 | 29°29 | 26°54 | 5° 5 | 21° 5 | 19°48 | 19°40 | 19°23 | 20° 2 | 7°44 | n.a. | T 4 |
| F 5 | 13 45 48 | 26°46'18 | 14°18 | 10°46 | 6°16 | 29°56 | 26°59 | 5° 3 | 21° 3 | 19°46 | 19°39 | 19°16 | 19°59 | 7°50 | n.a. | F 5 |
| S 6 | 13 49 45 | 27°43'21 | 26° 7 | 10°31 | 6°46 | 0♑23 | 27° 5 | 5° 1 | 21° 0 | 19°45 | 19°37 | 19°12 | 19°55 | 7°57 | n.a. | S 6 |
| S 7 | 13 53 41 | 28°40'24 | 7♑58 | 10°13 | 7°15 | 0°50 | 27°10 | 4°59 | 20°58 | 19°43 | 19°36 | 19°10 | 19°52 | 8° 4 | n.a. | S 7 |
| M 8 | 13 57 38 | 29°37'27 | 19°56 | 9°50 | 7°42 | 1°17 | 27°15 | 4°58 | 20°56 | 19°42 | 19°35 | 19°D10 | 19°49 | 8°10 | n.a. | M 8 |
| T 9 | 14 1 34 | 0♒34'29 | 2♒ 6 | 9°24 | 8° 7 | 1°45 | 27°20 | 4°56 | 20°53 | 19°40 | 19°34 | 19°R10 | 19°46 | 8°17 | n.a. | T 9 |
| W10 | 14 5 31 | 1°31'32 | 14°35 | 8°56 | 8°31 | 2°12 | 27°25 | 4°54 | 20°51 | 19°39 | 19°33 | 19° 9 | 19°43 | 8°24 | n.a. | W10 |
| T 11 | 14 9 28 | 2°28'35 | 27°26 | 8°25 | 8°53 | 2°41 | 27°29 | 4°53 | 20°48 | 19°37 | 19°32 | 19° 7 | 19°40 | 8°30 | n.a. | T 11 |
| F 12 | 14 13 24 | 3°25'38 | 10♓43 | 7°51 | 9°14 | 3° 9 | 27°34 | 4°52 | 20°46 | 19°36 | 19°31 | 19° 2 | 19°36 | 8°37 | n.a. | F 12 |
| S 13 | 14 17 21 | 4°22'41 | 24°29 | 7°17 | 9°33 | 3°38 | 27°38 | 4°50 | 20°44 | 19°34 | 19°29 | 18°56 | 19°33 | 8°44 | n.a. | S 13 |
| S 14 | 14 21 17 | 5°19'44 | 8♈44 | 6°42 | 9°49 | 4° 7 | 27°42 | 4°49 | 20°41 | 19°33 | 19°28 | 18°47 | 19°30 | 8°50 | n.a. | S 14 |
| M15 | 14 25 14 | 6°16'47 | 23°22 | 6° 6 | 10° 4 | 4°36 | 27°46 | 4°48 | 20°39 | 19°31 | 19°27 | 18°37 | 19°27 | 8°57 | n.a. | M15 |
| T 16 | 14 29 10 | 7°13'51 | 8♉19 | 5°31 | 10°17 | 5° 6 | 27°50 | 4°47 | 20°36 | 19°29 | 19°26 | 18°26 | 19°24 | 9° 4 | n.a. | T 16 |
| W17 | 14 33 7 | 8°10'55 | 23°24 | 4°56 | 10°28 | 5°35 | 27°53 | 4°46 | 20°34 | 19°28 | 19°25 | 18°17 | 19°21 | 9°10 | n.a. | W17 |
| T 18 | 14 37 4 | 9° 7'58 | 8♊27 | 4°23 | 10°37 | 6° 5 | 27°56 | 4°46 | 20°32 | 19°26 | 19°25 | 18°10 | 19°17 | 9°17 | n.a. | T 18 |
| F 19 | 14 41 0 | 10° 5'02 | 23°20 | 3°53 | 10°44 | 6°36 | 28° 0 | 4°45 | 20°30 | 19°25 | 19°24 | 18° 6 | 19°14 | 9°24 | n.a. | F 19 |
| S 20 | 14 44 57 | 11° 2'06 | 7♋56 | 3°25 | 10°48 | 7° 6 | 28° 2 | 4°44 | 20°27 | 19°23 | 19°23 | 18° 4 | 19°11 | 9°30 | n.a. | S 20 |
| S 21 | 14 48 53 | 11°59'09 | 22°11 | 3° 0 | 10°R50 | 7°37 | 28° 5 | 4°44 | 20°25 | 19°22 | 19°22 | 18°D 3 | 19° 8 | 9°37 | n.a. | S 21 |
| M22 | 14 52 50 | 12°56'13 | 6♌ 4 | 2°39 | 10°50 | 8° 8 | 28° 8 | 4°43 | 20°23 | 19°20 | 19°21 | 18°R 4 | 19° 5 | 9°44 | n.a. | M22 |
| T 23 | 14 56 46 | 13°53'16 | 19°35 | 2°21 | 10°48 | 8°39 | 28°10 | 4°43 | 20°21 | 19°18 | 19°20 | 18° 4 | 19° 1 | 9°50 | n.a. | T 23 |
| W24 | 15 0 43 | 14°50'19 | 2♍47 | 2° 8 | 10°43 | 9°10 | 28°12 | 4°43 | 20°19 | 19°17 | 19°20 | 18° 2 | 18°58 | 9°57 | n.a. | W24 |
| T 25 | 15 4 40 | 15°47'23 | 15°42 | 2° 0 | 10°36 | 9°42 | 28°14 | 4°43 | 20°16 | 19°15 | 19°19 | 17°59 | 18°55 | 10° 4 | n.a. | T 25 |
| F 26 | 15 8 36 | 16°44'26 | 28°23 | 1°D57 | 10°26 | 10°14 | 28°16 | 4°D43 | 20°14 | 19°13 | 19°18 | 17°53 | 18°52 | 10°11 | n.a. | F 26 |
| S 27 | 15 12 33 | 17°41'30 | 10♎51 | 1°58 | 10°14 | 10°46 | 28°18 | 4°43 | 20°12 | 19°12 | 19°17 | 17°44 | 18°49 | 10°17 | n.a. | S 27 |
| S 28 | 15 16 29 | 18°38'34 | 23° 9 | 2° 5 | 10° 0 | 11°18 | 28°19 | 4°43 | 20°10 | 19°10 | 19°17 | 17°35 | 18°46 | 10°24 | n.a. | S 28 |
| M29 | 15 20 26 | 19°35'38 | 5♏19 | 2°17 | 9°43 | 11°51 | 28°21 | 4°43 | 20° 8 | 19° 9 | 19°16 | 17°24 | 18°42 | 10°31 | n.a. | M29 |
| T 30 | 15 24 22 | 20°32'43 | 17°20 | 2°34 | 9°24 | 12°23 | 28°22 | 4°44 | 20° 6 | 19° 7 | 19°16 | 17°14 | 18°39 | 10°37 | n.a. | T 30 |
| W31 | 15 28 19 | 21♑29'49 | 29♏16 | 2♑57 | 9♊ 3 | 12♌56 | 28♑23 | 4♍44 | 20♎ 4 | 19♏ 5 | 19♍15 | 17♋ 4 | 18♋36 | 10♐44 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| M 1 | 9n 6 | 5s44 | 4n58 | 15n46 | 0n20 | 24n49 | 3n30 | 22n38 | 1n44 | 22s19 | 1s 4 | 12n22 | 2n47 | 8s 1 | 0n28 | 16s43 | 1n24 | 19n 7 | 16n24 | 22n24 | 22n22 | 18s32 | | | n.a. |
| T 2 | 9 28 | 10 8 | 4 44 | 15 33 | 0 6 | 24 53 | 3 28 | 22 31 | 1 42 | 22 18 | 1 5 | 12 23 | 2 46 | 8 0 | 0 28 | 16 43 | 1 24 | 19 7 | 16 24 | 22 26 | 22 23 | 18 33 | | | n.a. |
| W 3 | 9 49 | 14 6 | 4 18 | 15 18 | 0s10 | 24 57 | 3 25 | 22 24 | 1 41 | 22 17 | 1 5 | 12 23 | 2 46 | 7 59 | 0 28 | 16 42 | 1 24 | 19 7 | 16 24 | 22 28 | 22 23 | 18 35 | | | n.a. |
| T 4 | 10 10 | 17 28 | 3 40 | 15 1 | 0 25 | 25 0 | 3 22 | 22 16 | 1 39 | 22 16 | 1 5 | 12 24 | 2 46 | 7 58 | 0 28 | 16 42 | 1 24 | 19 8 | 16 23 | 22 29 | 22 23 | 18 37 | | | n.a. |
| F 5 | 10 31 | 20 6 | 2 53 | 14 42 | 0 41 | 25 2 | 3 18 | 22 9 | 1 37 | 22 15 | 1 6 | 12 25 | 2 46 | 7 57 | 0 28 | 16 41 | 1 24 | 19 8 | 16 23 | 22 30 | 22 24 | 18 39 | | | n.a. |
| S 6 | 10 52 | 21 53 | 1 59 | 14 22 | 0 58 | 25 4 | 3 14 | 22 1 | 1 35 | 22 14 | 1 6 | 12 25 | 2 46 | 7 56 | 0 28 | 16 41 | 1 24 | 19 8 | 16 22 | 22 31 | 22 24 | 18 40 | | | n.a. |
| S 7 | 11 13 | 22 42 | 0 59 | 14 0 | 1 14 | 25 5 | 3 10 | 21 54 | 1 33 | 22 14 | 1 6 | 12 26 | 2 45 | 7 55 | 0 28 | 16 40 | 1 24 | 19 8 | 16 22 | 22 31 | 22 25 | 18 42 | | | n.a. |
| M 8 | 11 34 | 22 28 | 0s 4 | 13 37 | 1 31 | 25 5 | 3 6 | 21 46 | 1 32 | 22 13 | 1 7 | 12 26 | 2 45 | 7 54 | 0 28 | 16 40 | 1 24 | 19 8 | 16 22 | 22 31 | 22 25 | 18 44 | | | n.a. |
| T 9 | 11 54 | 21 12 | 1 8 | 13 14 | 1 47 | 25 4 | 3 1 | 21 38 | 1 30 | 22 12 | 1 7 | 12 26 | 2 45 | 7 53 | 0 28 | 16 40 | 1 24 | 19 8 | 16 21 | 22 31 | 22 26 | 18 46 | | | n.a. |
| W10 | 12 14 | 18 52 | 2 11 | 12 49 | 2 3 | 25 3 | 2 56 | 21 29 | 1 28 | 22 12 | 1 7 | 12 27 | 2 45 | 7 52 | 0 28 | 16 39 | 1 24 | 19 8 | 16 21 | 22 31 | 22 26 | 18 47 | | | n.a. |
| T 11 | 12 34 | 15 33 | 3 8 | 12 24 | 2 19 | 25 1 | 2 50 | 21 21 | 1 26 | 22 11 | 1 8 | 12 27 | 2 44 | 7 51 | 0 28 | 16 39 | 1 24 | 19 8 | 16 20 | 22 32 | 22 27 | 18 49 | | | n.a. |
| F 12 | 12 54 | 11 21 | 3 58 | 11 59 | 2 34 | 24 59 | 2 44 | 21 13 | 1 25 | 22 10 | 1 8 | 12 27 | 2 44 | 7 50 | 0 28 | 16 38 | 1 24 | 19 8 | 16 20 | 22 32 | 22 27 | 18 51 | | | n.a. |
| S 13 | 13 14 | 6 26 | 4 35 | 11 34 | 2 48 | 24 56 | 2 38 | 21 4 | 1 23 | 22 10 | 1 8 | 12 28 | 2 44 | 7 50 | 0 28 | 16 38 | 1 24 | 19 8 | 16 19 | 22 33 | 22 28 | 18 52 | | | n.a. |
| S 14 | 13 34 | 1 1 | 4 58 | 11 10 | 3 2 | 24 52 | 2 31 | 20 56 | 1 21 | 22 9 | 1 9 | 12 28 | 2 44 | 7 49 | 0 28 | 16 38 | 1 24 | 19 9 | 16 19 | 22 34 | 22 28 | 18 54 | | | n.a. |
| M15 | 13 53 | 4n36 | 5 1 | 10 46 | 3 15 | 24 47 | 2 24 | 20 47 | 1 20 | 22 9 | 1 9 | 12 28 | 2 44 | 7 48 | 0 28 | 16 37 | 1 24 | 19 9 | 16 19 | 22 36 | 22 29 | 18 56 | | | n.a. |
| T 16 | 14 12 | 10 5 | 4 44 | 10 23 | 3 26 | 24 42 | 2 17 | 20 38 | 1 18 | 22 9 | 1 9 | 12 28 | 2 43 | 7 47 | 0 27 | 16 37 | 1 24 | 19 8 | 16 18 | 22 37 | 22 29 | 18 57 | | | n.a. |
| W17 | 14 31 | 15 0 | 4 8 | 10 2 | 3 36 | 24 36 | 2 9 | 20 29 | 1 16 | 22 8 | 1 10 | 12 28 | 2 43 | 7 46 | 0 27 | 16 36 | 1 24 | 19 8 | 16 18 | 22 39 | 22 30 | 18 59 | | | n.a. |
| T 18 | 14 50 | 18 58 | 3 14 | 9 43 | 3 45 | 24 29 | 2 1 | 20 20 | 1 15 | 22 8 | 1 10 | 12 28 | 2 43 | 7 45 | 0 27 | 16 36 | 1 24 | 19 8 | 16 17 | 22 40 | 22 30 | 19 1 | | | n.a. |
| F 19 | 15 8 | 21 37 | 2 8 | 9 25 | 3 53 | 24 22 | 1 53 | 20 10 | 1 13 | 22 7 | 1 10 | 12 28 | 2 43 | 7 44 | 0 27 | 16 35 | 1 24 | 19 8 | 16 17 | 22 40 | 22 31 | 19 2 | | | n.a. |
| S 20 | 15 26 | 22 47 | 0 54 | 9 10 | 3 59 | 24 13 | 1 44 | 20 1 | 1 11 | 22 7 | 1 11 | 12 28 | 2 42 | 7 43 | 0 27 | 16 35 | 1 24 | 19 8 | 16 16 | 22 40 | 22 31 | 19 4 | | | n.a. |
| S 21 | 15 44 | 22 25 | 0n22 | 8 57 | 4 4 | 24 5 | 1 34 | 19 51 | 1 10 | 22 7 | 1 11 | 12 28 | 2 42 | 7 43 | 0 27 | 16 35 | 1 24 | 19 8 | 16 16 | 22 40 | 22 31 | 19 6 | | | n.a. |
| M22 | 16 2 | 20 39 | 1 34 | 8 46 | 4 7 | 23 55 | 1 25 | 19 42 | 1 8 | 22 7 | 1 11 | 12 28 | 2 42 | 7 42 | 0 27 | 16 34 | 1 24 | 19 8 | 16 15 | 22 40 | 22 32 | 19 7 | | | n.a. |
| T 23 | 16 19 | 17 46 | 2 40 | 8 38 | 4 9 | 23 44 | 1 14 | 19 32 | 1 7 | 22 7 | 1 12 | 12 28 | 2 42 | 7 41 | 0 27 | 16 34 | 1 24 | 19 8 | 16 15 | 22 40 | 22 32 | 19 9 | | | n.a. |
| W24 | 16 37 | 14 1 | 3 35 | 8 33 | 4 10 | 23 33 | 1 4 | 19 22 | 1 5 | 22 6 | 1 12 | 12 28 | 2 41 | 7 40 | 0 27 | 16 33 | 1 24 | 19 8 | 16 14 | 22 41 | 22 33 | 19 11 | | | n.a. |
| T 25 | 16 54 | 9 41 | 4 18 | 8 31 | 4 9 | 23 21 | 0 53 | 19 12 | 1 4 | 22 6 | 1 12 | 12 28 | 2 41 | 7 39 | 0 27 | 16 33 | 1 24 | 19 8 | 16 14 | 22 41 | 22 33 | 19 12 | | | n.a. |
| F 26 | 17 10 | 5 2 | 4 47 | 8 32 | 4 7 | 23 8 | 0 41 | 19 2 | 1 2 | 22 6 | 1 13 | 12 28 | 2 41 | 7 39 | 0 27 | 16 32 | 1 24 | 19 7 | 16 13 | 22 42 | 22 34 | 19 14 | | | n.a. |
| S 27 | 17 27 | 0 14 | 5 2 | 8 35 | 4 4 | 22 55 | 0 29 | 18 51 | 1 1 | 22 6 | 1 13 | 12 27 | 2 41 | 7 38 | 0 27 | 16 32 | 1 24 | 19 7 | 16 13 | 22 43 | 22 34 | 19 16 | | | n.a. |
| S 28 | 17 43 | 4s30 | 5 3 | 8 42 | 3 59 | 22 41 | 0 17 | 18 41 | 0 59 | 22 6 | 1 13 | 12 27 | 2 40 | 7 37 | 0 27 | 16 31 | 1 24 | 19 7 | 16 12 | 22 44 | 22 35 | 19 17 | | | n.a. |
| M29 | 17 59 | 9 0 | 4 50 | 8 51 | 3 54 | 22 26 | 0 5 | 18 30 | 0 58 | 22 6 | 1 14 | 12 27 | 2 40 | 7 36 | 0 27 | 16 31 | 1 24 | 19 7 | 16 12 | 22 46 | 22 35 | 19 19 | | | n.a. |
| T 30 | 18 15 | 13 8 | 4 24 | 9 4 | 3 47 | 22 10 | 0s 8 | 18 19 | 0 56 | 22 6 | 1 14 | 12 26 | 2 40 | 7 35 | 0 27 | 16 31 | 1 24 | 19 6 | 16 11 | 22 47 | 22 35 | 19 21 | | | n.a. |
| W31 | 18n30 | 16s43 | 3n47 | 9n19 | 3s40 | 21n54 | 0s21 | 18n 8 | 0n55 | 22s 7 | 1s14 | 12n26 | 2n40 | 7s35 | 0n27 | 16s30 | 1n24 | 19n 6 | 16n11 | 22n48 | 22n36 | 19s22 | | | n.a. |

Julian Day Number = 1003827.5, Delta T = 12h48m02s
Ecliptic obliquity = 23°55'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'40, Lahiri = -31°02'40 Julian Calendar 1 May 1965 BCE == Greg. Calendar 14 Apr. 1965 BCE

The year -1964 astronomical counting style corresponds to year 1965 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## JUNE 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 32 15 | 22♉26'55 | 11♐ 7 | 3♉26 | 8°R40 | 13♌29 | 28♏23 | 4♍45 | 20°R 2 | 19°R 4 | 19°R15 | 16°R57 | 18♋33 | 10♐51 | n.a. | T 1 |
| F 2 | 15 36 12 | 23°24'02 | 22°56 | 3°59 | 8♊14 | 14° 2 | 28°24 | 4°46 | 20♎ 0 | 19♏ 2 | 19♍14 | 16♋52 | 18°30 | 10°57 | n.a. | F 2 |
| S 3 | 15 40 9 | 24°21'09 | 4♏44 | 4°38 | 7°47 | 14°36 | 28°24 | 4°46 | 19°58 | 19° 1 | 19°14 | 16°49 | 18°26 | 11° 4 | n.a. | S 3 |
| S 4 | 15 44 5 | 25°18'18 | 16°36 | 5°22 | 7°18 | 15° 9 | 28°R24 | 4°47 | 19°56 | 18°59 | 19°13 | 16°D48 | 18°23 | 11°11 | n.a. | S 4 |
| M 5 | 15 48 2 | 26°15'27 | 28°35 | 6°12 | 6°47 | 15°43 | 28°24 | 4°48 | 19°55 | 18°57 | 19°13 | 16°49 | 18°20 | 11°17 | n.a. | M 5 |
| T 6 | 15 51 58 | 27°12'37 | 10♒46 | 7° 7 | 6°15 | 16°17 | 28°24 | 4°49 | 19°53 | 18°56 | 19°13 | 16°50 | 18°17 | 11°24 | n.a. | T 6 |
| W 7 | 15 55 55 | 28° 9'49 | 23°14 | 8° 7 | 5°41 | 16°51 | 28°23 | 4°50 | 19°51 | 18°54 | 19°12 | 16°R51 | 18°14 | 11°31 | n.a. | W 7 |
| T 8 | 15 59 51 | 29° 7'01 | 6♓ 2 | 9°12 | 5° 6 | 17°25 | 28°23 | 4°52 | 19°49 | 18°53 | 19°12 | 16°51 | 18°11 | 11°37 | n.a. | T 8 |
| F 9 | 16 3 48 | 0♊ 4'14 | 19°16 | 10°22 | 4°31 | 18° 0 | 28°22 | 4°53 | 19°48 | 18°51 | 19°12 | 16°49 | 18° 7 | 11°44 | n.a. | F 9 |
| S 10 | 16 7 45 | 1° 1'29 | 2♈58 | 11°37 | 3°54 | 18°35 | 28°21 | 4°54 | 19°46 | 18°49 | 19°11 | 16°45 | 18° 4 | 11°51 | n.a. | S 10 |
| S 11 | 16 11 41 | 1°58'45 | 17° 8 | 12°57 | 3°18 | 19° 9 | 28°19 | 4°56 | 19°44 | 18°48 | 19°11 | 16°40 | 18° 1 | 11°57 | n.a. | S 11 |
| M12 | 16 15 38 | 2°56'02 | 1♉45 | 14°21 | 2°41 | 19°44 | 28°18 | 4°57 | 19°43 | 18°46 | 19°11 | 16°34 | 17°58 | 12° 4 | n.a. | M12 |
| T 13 | 16 19 34 | 3°53'20 | 16°44 | 15°50 | 2° 4 | 20°20 | 28°16 | 4°59 | 19°41 | 18°45 | 19°11 | 16°28 | 17°55 | 12°11 | n.a. | T 13 |
| W14 | 16 23 31 | 4°50'39 | 1♊55 | 17°23 | 1°27 | 20°55 | 28°14 | 5° 1 | 19°40 | 18°43 | 19°11 | 16°22 | 17°52 | 12°17 | n.a. | W14 |
| T 15 | 16 27 27 | 5°48'00 | 17° 9 | 19° 0 | 0°50 | 21°31 | 28°12 | 5° 3 | 19°38 | 18°42 | 19°11 | 16°18 | 17°48 | 12°24 | n.a. | T 15 |
| F 16 | 16 31 24 | 6°45'21 | 2♋15 | 20°41 | 0°15 | 22° 6 | 28°10 | 5° 5 | 19°37 | 18°40 | 19°D11 | 16°15 | 17°45 | 12°31 | n.a. | F 16 |
| S 17 | 16 35 20 | 7°42'44 | 17° 6 | 22°26 | 29♉40 | 22°42 | 28° 8 | 5° 7 | 19°36 | 18°39 | 19°11 | 16°D15 | 17°42 | 12°37 | n.a. | S 17 |
| S 18 | 16 39 17 | 8°40'07 | 1♌34 | 24°14 | 29° 7 | 23°18 | 28° 5 | 5° 9 | 19°34 | 18°37 | 19°11 | 16°15 | 17°39 | 12°44 | n.a. | S 18 |
| M19 | 16 43 14 | 9°37'31 | 15°37 | 26° 6 | 28°34 | 23°54 | 28° 2 | 5°11 | 19°33 | 18°36 | 19°11 | 16°17 | 17°36 | 12°51 | n.a. | M19 |
| T 20 | 16 47 10 | 10°34'57 | 29°14 | 28° 0 | 28° 4 | 24°31 | 27°59 | 5°14 | 19°32 | 18°34 | 19°11 | 16°18 | 17°32 | 12°57 | n.a. | T 20 |
| W21 | 16 51 7 | 11°32'23 | 12♍28 | 29°56 | 27°35 | 25° 7 | 27°56 | 5°16 | 19°31 | 18°33 | 19°11 | 16°R18 | 17°29 | 13° 4 | n.a. | W21 |
| T 22 | 16 55 3 | 12°29'49 | 25°20 | 1♊54 | 27° 7 | 25°44 | 27°53 | 5°19 | 19°29 | 18°31 | 19°11 | 16°18 | 17°26 | 13°11 | n.a. | T 22 |
| F 23 | 16 59 0 | 13°27'17 | 7♎55 | 3°54 | 26°42 | 26°21 | 27°49 | 5°21 | 19°28 | 18°30 | 19°12 | 16°15 | 17°23 | 13°17 | n.a. | F 23 |
| S 24 | 17 2 56 | 14°24'46 | 20°14 | 5°55 | 26°19 | 26°57 | 27°45 | 5°24 | 19°27 | 18°28 | 19°12 | 16°12 | 17°20 | 13°24 | n.a. | S 24 |
| S 25 | 17 6 53 | 15°22'16 | 2♏23 | 7°58 | 25°57 | 27°35 | 27°41 | 5°27 | 19°26 | 18°27 | 19°12 | 16° 7 | 17°17 | 13°31 | n.a. | S 25 |
| M26 | 17 10 50 | 16°19'48 | 14°23 | 10° 1 | 25°38 | 28°12 | 27°37 | 5°30 | 19°25 | 18°26 | 19°13 | 16° 2 | 17°13 | 13°37 | n.a. | M26 |
| T 27 | 17 14 46 | 17°17'20 | 26°17 | 12° 4 | 25°22 | 28°49 | 27°33 | 5°33 | 19°24 | 18°24 | 19°13 | 15°57 | 17°10 | 13°44 | n.a. | T 27 |
| W28 | 17 18 43 | 18°14'54 | 8♐ 8 | 14° 7 | 25° 7 | 29°27 | 27°29 | 5°36 | 19°23 | 18°23 | 19°13 | 15°52 | 17° 7 | 13°51 | n.a. | W28 |
| T 29 | 17 22 39 | 19°12'30 | 19°57 | 16°10 | 24°56 | 0♍ 4 | 27°24 | 5°39 | 19°23 | 18°21 | 19°14 | 15°49 | 17° 4 | 13°57 | n.a. | T 29 |
| F 30 | 17 26 36 | 20♊10'07 | 1♏47 | 18♊13 | 24♉46 | 0♍42 | 27♏19 | 5♍42 | 19♎22 | 18♏20 | 19♍14 | 15♋47 | 17♋ 1 | 14♐ 4 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n45 | 19s36 | 3n 0 | 9n36 | 3s31 | 21n37 | 0s35 | 17n57 | 0n53 | 22s 7 | 1s15 | 12n25 | 2n39 | 7s34 | 0n27 | 16s30 | 1n24 | 19n 6 | 16n10 | 22n49 | 22n36 | 19s24 | | n.a. |
| F 2 | 19 0 | 21 39 | 2 5 | 9 56 | 3 22 | 21 20 | 0 48 | 17 46 | 0 52 | 22 7 | 1 15 | 12 25 | 2 39 | 7 33 | 0 27 | 16 29 | 1 24 | 19 6 | 16 9 | 22 50 | 22 37 | 19 26 | | n.a. |
| S 3 | 19 14 | 22 45 | 1 5 | 10 19 | 3 12 | 21 1 | 1 2 | 17 35 | 0 50 | 22 7 | 1 15 | 12 24 | 2 39 | 7 33 | 0 27 | 16 29 | 1 24 | 19 5 | 16 9 | 22 50 | 22 37 | 19 27 | | n.a. |
| S 4 | 19 28 | 22 51 | 0 1 | 10 44 | 3 1 | 20 43 | 1 16 | 17 24 | 0 49 | 22 8 | 1 16 | 12 24 | 2 39 | 7 32 | 0 27 | 16 28 | 1 24 | 19 5 | 16 8 | 22 50 | 22 38 | 19 29 | | n.a. |
| M 5 | 19 42 | 21 53 | 1s 3 | 11 11 | 2 50 | 20 24 | 1 30 | 17 12 | 0 48 | 22 8 | 1 16 | 12 23 | 2 38 | 7 31 | 0 27 | 16 28 | 1 24 | 19 5 | 16 8 | 22 50 | 22 38 | 19 30 | | n.a. |
| T 6 | 19 56 | 19 54 | 2 6 | 11 40 | 2 38 | 20 4 | 1 44 | 17 0 | 0 46 | 22 8 | 1 16 | 12 23 | 2 38 | 7 31 | 0 27 | 16 28 | 1 24 | 19 4 | 16 7 | 22 50 | 22 39 | 19 32 | | n.a. |
| W 7 | 20 9 | 16 56 | 3 4 | 12 11 | 2 26 | 19 44 | 1 59 | 16 48 | 0 45 | 22 9 | 1 17 | 12 22 | 2 38 | 7 30 | 0 27 | 16 27 | 1 24 | 19 4 | 16 7 | 22 50 | 22 39 | 19 34 | | n.a. |
| T 8 | 20 22 | 13 6 | 3 54 | 12 44 | 2 14 | 19 24 | 2 13 | 16 36 | 0 43 | 22 9 | 1 17 | 12 21 | 2 38 | 7 29 | 0 27 | 16 27 | 1 24 | 19 4 | 16 6 | 22 50 | 22 39 | 19 35 | | n.a. |
| F 9 | 20 34 | 8 31 | 4 34 | 13 19 | 2 1 | 19 4 | 2 27 | 16 24 | 0 42 | 22 10 | 1 17 | 12 21 | 2 37 | 7 29 | 0 27 | 16 26 | 1 24 | 19 3 | 16 6 | 22 50 | 22 40 | 19 37 | | n.a. |
| S 10 | 20 46 | 3 23 | 5 0 | 13 55 | 1 48 | 18 44 | 2 40 | 16 12 | 0 41 | 22 10 | 1 18 | 12 20 | 2 37 | 7 28 | 0 27 | 16 26 | 1 24 | 19 3 | 16 5 | 22 51 | 22 40 | 19 39 | | n.a. |
| S 11 | 20 58 | 2n 7 | 5 9 | 14 32 | 1 35 | 18 23 | 2 54 | 16 0 | 0 39 | 22 11 | 1 18 | 12 19 | 2 37 | 7 27 | 0 27 | 16 25 | 1 24 | 19 2 | 16 4 | 22 51 | 22 41 | 19 40 | | n.a. |
| M12 | 21 10 | 7 40 | 4 58 | 15 10 | 1 21 | 18 3 | 3 7 | 15 47 | 0 38 | 22 12 | 1 18 | 12 18 | 2 37 | 7 27 | 0 27 | 16 25 | 1 24 | 19 2 | 16 4 | 22 52 | 22 41 | 19 42 | | n.a. |
| T 13 | 21 21 | 12 54 | 4 27 | 15 49 | 1 8 | 17 43 | 3 20 | 15 35 | 0 37 | 22 12 | 1 19 | 12 17 | 2 36 | 7 26 | 0 27 | 16 25 | 1 24 | 19 1 | 16 3 | 22 53 | 22 42 | 19 43 | | n.a. |
| W14 | 21 32 | 17 25 | 3 37 | 16 29 | 0 55 | 17 23 | 3 33 | 15 22 | 0 35 | 22 13 | 1 19 | 12 16 | 2 36 | 7 26 | 0 27 | 16 24 | 1 24 | 19 1 | 16 3 | 22 54 | 22 42 | 19 45 | | n.a. |
| T 15 | 21 42 | 20 46 | 2 31 | 17 9 | 0 42 | 17 4 | 3 45 | 15 9 | 0 34 | 22 14 | 1 19 | 12 15 | 2 36 | 7 25 | 0 27 | 16 24 | 1 23 | 19 0 | 16 2 | 22 54 | 22 42 | 19 46 | | n.a. |
| F 16 | 21 52 | 22 39 | 1 15 | 17 49 | 0 29 | 16 45 | 3 57 | 14 56 | 0 33 | 22 14 | 1 20 | 12 15 | 2 36 | 7 25 | 0 27 | 16 23 | 1 23 | 19 0 | 16 2 | 22 54 | 22 43 | 19 48 | | n.a. |
| S 17 | 22 2 | 22 53 | 0n 5 | 18 29 | 0 16 | 16 27 | 4 8 | 14 43 | 0 31 | 22 15 | 1 20 | 12 13 | 2 35 | 7 24 | 0 27 | 16 23 | 1 23 | 18 59 | 16 1 | 22 55 | 22 43 | 19 50 | | n.a. |
| S 18 | 22 11 | 21 33 | 1 23 | 19 9 | 0 4 | 16 10 | 4 18 | 14 30 | 0 30 | 22 16 | 1 20 | 12 12 | 2 35 | 7 24 | 0 27 | 16 23 | 1 23 | 18 59 | 16 0 | 22 54 | 22 44 | 19 51 | | n.a. |
| M19 | 22 20 | 18 55 | 2 33 | 19 48 | 0n 8 | 15 53 | 4 28 | 14 16 | 0 29 | 22 17 | 1 21 | 12 11 | 2 35 | 7 23 | 0 27 | 16 22 | 1 23 | 18 58 | 16 0 | 22 54 | 22 44 | 19 53 | | n.a. |
| T 20 | 22 29 | 15 17 | 3 33 | 20 25 | 0 19 | 15 37 | 4 38 | 14 3 | 0 27 | 22 18 | 1 21 | 12 10 | 2 35 | 7 23 | 0 27 | 16 22 | 1 23 | 18 58 | 15 59 | 22 54 | 22 45 | 19 54 | | n.a. |
| W21 | 22 37 | 11 0 | 4 20 | 21 2 | 0 30 | 15 22 | 4 47 | 13 49 | 0 26 | 22 19 | 1 21 | 12 9 | 2 34 | 7 22 | 0 27 | 16 21 | 1 23 | 18 57 | 15 59 | 22 54 | 22 45 | 19 56 | | n.a. |
| T 22 | 22 45 | 6 20 | 4 52 | 21 37 | 0 40 | 15 8 | 4 55 | 13 35 | 0 25 | 22 20 | 1 22 | 12 8 | 2 34 | 7 22 | 0 27 | 16 21 | 1 23 | 18 56 | 15 58 | 22 54 | 22 45 | 19 57 | | n.a. |
| F 23 | 22 52 | 1 31 | 5 9 | 22 10 | 0 50 | 14 54 | 5 3 | 13 21 | 0 24 | 22 21 | 1 22 | 12 7 | 2 34 | 7 21 | 0 27 | 16 21 | 1 23 | 18 56 | 15 57 | 22 54 | 22 46 | 19 59 | | n.a. |
| S 24 | 22 59 | 3s16 | 5 12 | 22 42 | 0 59 | 14 42 | 5 10 | 13 7 | 0 22 | 22 22 | 1 22 | 12 6 | 2 34 | 7 21 | 0 27 | 16 20 | 1 23 | 18 55 | 15 57 | 22 55 | 22 46 | 20 1 | | n.a. |
| S 25 | 23 6 | 7 51 | 5 0 | 23 11 | 1 7 | 14 31 | 5 16 | 12 53 | 0 21 | 22 23 | 1 23 | 12 4 | 2 34 | 7 21 | 0 27 | 16 20 | 1 23 | 18 54 | 15 56 | 22 55 | 22 47 | 20 2 | | n.a. |
| M26 | 23 12 | 12 6 | 4 35 | 23 38 | 1 15 | 14 21 | 5 22 | 12 39 | 0 20 | 22 24 | 1 23 | 12 3 | 2 33 | 7 20 | 0 27 | 16 20 | 1 23 | 18 54 | 15 56 | 22 56 | 22 47 | 20 4 | | n.a. |
| T 27 | 23 18 | 15 51 | 3 59 | 24 2 | 1 21 | 14 12 | 5 27 | 12 25 | 0 19 | 22 26 | 1 23 | 12 2 | 2 33 | 7 20 | 0 27 | 16 19 | 1 23 | 18 53 | 15 55 | 22 57 | 22 48 | 20 5 | | n.a. |
| W28 | 23 23 | 18 57 | 3 12 | 24 24 | 1 27 | 14 4 | 5 31 | 12 10 | 0 18 | 22 27 | 1 23 | 12 0 | 2 33 | 7 20 | 0 26 | 16 19 | 1 23 | 18 52 | 15 55 | 22 57 | 22 48 | 20 7 | | n.a. |
| T 29 | 23 28 | 21 15 | 2 17 | 24 43 | 1 32 | 13 58 | 5 35 | 11 56 | 0 16 | 22 28 | 1 24 | 11 59 | 2 33 | 7 19 | 0 26 | 16 19 | 1 23 | 18 52 | 15 54 | 22 58 | 22 48 | 20 8 | | n.a. |
| F 30 | 23n33 | 22s38 | 1n16 | 24n59 | 1n37 | 13n52 | 5s39 | 11n41 | 0n15 | 22s29 | 1s24 | 11n57 | 2n32 | 7s19 | 0n26 | 16s18 | 1n23 | 18n51 | 15n53 | 22n58 | 22n49 | 20s10 | | n.a. |

Julian Day Number = 1003858.5, Delta T = 12h48m00s
Ecliptic obliquity = 23°55'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'36, Lahiri = -31°02'35 Julian Calendar 1 June 1965 BCE == Greg. Calendar 15 May 1965 BCE

The year -1964 astronomical counting style corresponds to year 1965 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## JULY 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 30 32 | 21♊ 7'45 | 13♉40 | 20♊15 | 24°R39 | 1♍20 | 27°R14 | 5♍45 | 19°R21 | 18°R19 | 19♍15 | 15°D46 | 16♋58 | 14♐11 | n.a. | S 1 |
| S 2 | 17 34 29 | 22° 5'25 | 25°37 | 22°16 | 24♉34 | 1°58 | 27♉ 9 | 5°49 | 19♎20 | 18♏18 | 19°15 | 15♋47 | 16°54 | 14°17 | n.a. | S 2 |
| M 3 | 17 38 25 | 23° 3'07 | 7♒43 | 24°17 | 24°D32 | 2°36 | 27° 4 | 5°52 | 19°20 | 18°16 | 19°16 | 15°48 | 16°51 | 14°24 | n.a. | M 3 |
| T 4 | 17 42 22 | 24° 0'50 | 19°59 | 26°16 | 24°32 | 3°14 | 26°59 | 5°56 | 19°19 | 18°15 | 19°16 | 15°49 | 16°48 | 14°31 | n.a. | T 4 |
| W 5 | 17 46 19 | 24°58'36 | 2♓30 | 28°14 | 24°34 | 3°53 | 26°53 | 5°59 | 19°19 | 18°14 | 19°17 | 15°51 | 16°45 | 14°37 | n.a. | W 5 |
| T 6 | 17 50 15 | 25°56'23 | 15°19 | 0♋11 | 24°39 | 4°31 | 26°47 | 6° 3 | 19°18 | 18°13 | 19°18 | 15°52 | 16°42 | 14°44 | n.a. | T 6 |
| F 7 | 17 54 12 | 26°54'12 | 28°30 | 2° 7 | 24°46 | 5°10 | 26°42 | 6° 7 | 19°18 | 18°11 | 19°18 | 15°R52 | 16°38 | 14°51 | n.a. | F 7 |
| S 8 | 17 58 8 | 27°52'03 | 12♈ 5 | 4° 2 | 24°55 | 5°49 | 26°36 | 6°11 | 19°17 | 18°10 | 19°19 | 15°52 | 16°35 | 14°57 | n.a. | S 8 |
| S 9 | 18 2 5 | 28°49'56 | 26° 6 | 5°55 | 25° 6 | 6°28 | 26°29 | 6°15 | 19°17 | 18° 9 | 19°20 | 15°50 | 16°32 | 15° 4 | n.a. | S 9 |
| M10 | 18 6 1 | 29°47'51 | 10♉31 | 7°47 | 25°19 | 7° 7 | 26°23 | 6°19 | 19°17 | 18° 8 | 19°21 | 15°49 | 16°29 | 15°11 | n.a. | M10 |
| T 11 | 18 9 58 | 0♋45'48 | 25°17 | 9°38 | 25°34 | 7°46 | 26°17 | 6°23 | 19°16 | 18° 7 | 19°21 | 15°47 | 16°26 | 15°17 | n.a. | T 11 |
| W12 | 18 13 54 | 1°43'48 | 10♊19 | 11°28 | 25°51 | 8°25 | 26°10 | 6°27 | 19°16 | 18° 6 | 19°22 | 15°45 | 16°23 | 15°24 | n.a. | W12 |
| T 13 | 18 17 51 | 2°41'49 | 25°28 | 13°16 | 26°10 | 9° 5 | 26° 4 | 6°31 | 19°16 | 18° 5 | 19°23 | 15°44 | 16°19 | 15°31 | n.a. | T 13 |
| F 14 | 18 21 48 | 3°39'52 | 10♋35 | 15° 3 | 26°31 | 9°44 | 25°57 | 6°36 | 19°16 | 18° 4 | 19°24 | 15°D43 | 16°16 | 15°37 | n.a. | F 14 |
| S 15 | 18 25 44 | 4°37'57 | 25°30 | 16°48 | 26°54 | 10°24 | 25°50 | 6°40 | 19°D16 | 18° 3 | 19°25 | 15°43 | 16°13 | 15°44 | n.a. | S 15 |
| S 16 | 18 29 41 | 5°36'03 | 10♌ 6 | 18°32 | 27°18 | 11° 4 | 25°43 | 6°45 | 19°16 | 18° 2 | 19°26 | 15°44 | 16°10 | 15°51 | n.a. | S 16 |
| M17 | 18 33 37 | 6°34'11 | 24°19 | 20°15 | 27°44 | 11°43 | 25°36 | 6°49 | 19°16 | 18° 1 | 19°27 | 15°45 | 16° 7 | 15°57 | n.a. | M17 |
| T 18 | 18 37 34 | 7°32'21 | 8♍ 5 | 21°57 | 28°12 | 12°24 | 25°29 | 6°54 | 19°16 | 18° 0 | 19°28 | 15°45 | 16° 4 | 16° 4 | n.a. | T 18 |
| W19 | 18 41 30 | 8°30'33 | 21°25 | 23°37 | 28°41 | 13° 4 | 25°21 | 6°58 | 19°16 | 17°59 | 19°29 | 15°46 | 16° 0 | 16°11 | n.a. | W19 |
| T 20 | 18 45 27 | 9°28'46 | 4♎21 | 25°17 | 29°12 | 13°44 | 25°14 | 7° 3 | 19°16 | 17°58 | 19°30 | 15°R46 | 15°57 | 16°17 | n.a. | T 20 |
| F 21 | 18 49 23 | 10°27'00 | 16°56 | 26°55 | 29°44 | 14°24 | 25° 7 | 7° 8 | 19°17 | 17°57 | 19°32 | 15°46 | 15°54 | 16°24 | n.a. | F 21 |
| S 22 | 18 53 20 | 11°25'17 | 29°13 | 28°31 | 0♊17 | 15° 5 | 24°59 | 7°13 | 19°17 | 17°57 | 19°33 | 15°46 | 15°51 | 16°31 | n.a. | S 22 |
| S 23 | 18 57 16 | 12°23'35 | 11♏18 | 0♌ 7 | 0°52 | 15°45 | 24°51 | 7°18 | 19°17 | 17°56 | 19°34 | 15°46 | 15°48 | 16°37 | n.a. | S 23 |
| M24 | 19 1 13 | 13°21'55 | 23°13 | 1°42 | 1°28 | 16°26 | 24°44 | 7°23 | 19°18 | 17°55 | 19°35 | 15°45 | 15°44 | 16°44 | n.a. | M24 |
| T 25 | 19 5 10 | 14°20'17 | 5♐ 4 | 3°15 | 2° 5 | 17° 7 | 24°36 | 7°28 | 19°18 | 17°54 | 19°37 | 15°45 | 15°41 | 16°51 | n.a. | T 25 |
| W26 | 19 9 6 | 15°18'40 | 16°53 | 4°47 | 2°44 | 17°48 | 24°28 | 7°33 | 19°19 | 17°54 | 19°38 | 15°D45 | 15°38 | 16°57 | n.a. | W26 |
| T 27 | 19 13 3 | 16°17'06 | 28°43 | 6°18 | 3°23 | 18°29 | 24°20 | 7°38 | 19°19 | 17°53 | 19°39 | 15°45 | 15°35 | 17° 4 | n.a. | T 27 |
| F 28 | 19 16 59 | 17°15'33 | 10♑37 | 7°47 | 4° 4 | 19°10 | 24°13 | 7°44 | 19°20 | 17°52 | 19°41 | 15°R45 | 15°32 | 17°11 | n.a. | F 28 |
| S 29 | 19 20 56 | 18°14'03 | 22°38 | 9°16 | 4°46 | 19°51 | 24° 5 | 7°49 | 19°21 | 17°52 | 19°42 | 15°45 | 15°29 | 17°17 | n.a. | S 29 |
| S 30 | 19 24 52 | 19°12'35 | 4♒46 | 10°43 | 5°29 | 20°32 | 23°57 | 7°54 | 19°21 | 17°51 | 19°43 | 15°45 | 15°25 | 17°24 | n.a. | S 30 |
| M31 | 19 28 49 | 20♋11'09 | 17♒ 4 | 12♌ 9 | 6♊12 | 21♍14 | 23♉49 | 8♍ 0 | 19♎22 | 17♏51 | 19♍45 | 15♋45 | 15♋22 | 17♐31 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n37 | 23s 1 | 0n12 | 25n13 | 1n40 | 13n47 | 5s42 | 11n26 | 0n14 | 22s30 | 1s24 | 11n56 | 2n32 | 7s19 | 0n26 | 16s18 | 1n23 | 18n50 | 15n53 | 22n58 | 22n49 | 20s11 | | n.a. |
| S 2 | 23 41 | 22 20 | 0s54 | 25 25 | 1 43 | 13 44 | 5 44 | 11 11 | 0 13 | 22 32 | 1 25 | 11 54 | 2 32 | 7 19 | 0 26 | 16 18 | 1 23 | 18 50 | 15 52 | 22 58 | 22 50 | 20 13 | | n.a. |
| M 3 | 23 44 | 20 36 | 1 58 | 25 33 | 1 46 | 13 42 | 5 46 | 10 56 | 0 12 | 22 33 | 1 25 | 11 53 | 2 32 | 7 18 | 0 26 | 16 17 | 1 23 | 18 49 | 15 52 | 22 58 | 22 50 | 20 14 | | n.a. |
| T 4 | 23 47 | 17 55 | 2 58 | 25 39 | 1 47 | 13 40 | 5 47 | 10 41 | 0 11 | 22 34 | 1 25 | 11 51 | 2 31 | 7 18 | 0 26 | 16 17 | 1 23 | 18 48 | 15 51 | 22 58 | 22 50 | 20 16 | | n.a. |
| W 5 | 23 49 | 14 21 | 3 50 | 25 43 | 1 48 | 13 40 | 5 48 | 10 26 | 0 9 | 22 36 | 1 25 | 11 50 | 2 31 | 7 18 | 0 26 | 16 17 | 1 23 | 18 47 | 15 50 | 22 57 | 22 51 | 20 17 | | n.a. |
| T 6 | 23 51 | 10 4 | 4 33 | 25 44 | 1 49 | 13 40 | 5 49 | 10 10 | 0 8 | 22 37 | 1 26 | 11 48 | 2 31 | 7 18 | 0 26 | 16 16 | 1 23 | 18 46 | 15 50 | 22 57 | 22 51 | 20 19 | | n.a. |
| F 7 | 23 53 | 5 12 | 5 2 | 25 43 | 1 49 | 13 42 | 5 49 | 9 55 | 0 7 | 22 39 | 1 26 | 11 47 | 2 31 | 7 18 | 0 26 | 16 16 | 1 23 | 18 46 | 15 49 | 22 57 | 22 52 | 20 20 | | n.a. |
| S 8 | 23 54 | 0n 3 | 5 16 | 25 39 | 1 48 | 13 44 | 5 49 | 9 39 | 0 6 | 22 40 | 1 26 | 11 45 | 2 31 | 7 18 | 0 26 | 16 16 | 1 23 | 18 45 | 15 49 | 22 57 | 22 52 | 20 22 | | n.a. |
| S 9 | 23 55 | 5 27 | 5 11 | 25 33 | 1 46 | 13 48 | 5 48 | 9 24 | 0 5 | 22 42 | 1 27 | 11 43 | 2 30 | 7 17 | 0 26 | 16 15 | 1 23 | 18 44 | 15 48 | 22 58 | 22 52 | 20 23 | | n.a. |
| M10 | 23 55 | 10 44 | 4 47 | 25 26 | 1 45 | 13 52 | 5 47 | 9 8 | 0 4 | 22 43 | 1 27 | 11 42 | 2 30 | 7 17 | 0 26 | 16 15 | 1 23 | 18 43 | 15 48 | 22 58 | 22 53 | 20 25 | | n.a. |
| T 11 | 23 55 | 15 31 | 4 4 | 25 16 | 1 42 | 13 56 | 5 46 | 8 52 | 0 3 | 22 45 | 1 27 | 11 40 | 2 30 | 7 17 | 0 26 | 16 15 | 1 23 | 18 42 | 15 47 | 22 58 | 22 53 | 20 26 | | n.a. |
| W12 | 23 54 | 19 25 | 3 4 | 25 4 | 1 40 | 14 2 | 5 44 | 8 36 | 0 2 | 22 46 | 1 27 | 11 38 | 2 30 | 7 17 | 0 26 | 16 15 | 1 23 | 18 41 | 15 46 | 22 58 | 22 54 | 20 28 | | n.a. |
| T 13 | 23 53 | 22 0 | 1 50 | 24 50 | 1 36 | 14 8 | 5 42 | 8 20 | 0 1 | 22 48 | 1 28 | 11 36 | 2 30 | 7 17 | 0 26 | 16 14 | 1 23 | 18 41 | 15 46 | 22 58 | 22 54 | 20 29 | | n.a. |
| F 14 | 23 52 | 23 1 | 0 28 | 24 35 | 1 33 | 14 15 | 5 40 | 8 4 | 0s 1 | 22 49 | 1 28 | 11 34 | 2 29 | 7 17 | 0 26 | 16 14 | 1 22 | 18 40 | 15 45 | 22 58 | 22 54 | 20 31 | | n.a. |
| S 15 | 23 50 | 22 21 | 0n54 | 24 18 | 1 29 | 14 23 | 5 38 | 7 48 | 0 2 | 22 51 | 1 28 | 11 33 | 2 29 | 7 17 | 0 26 | 16 14 | 1 22 | 18 39 | 15 45 | 22 58 | 22 55 | 20 32 | | n.a. |
| S 16 | 23 48 | 20 10 | 2 11 | 24 0 | 1 24 | 14 31 | 5 35 | 7 31 | 0 3 | 22 52 | 1 28 | 11 31 | 2 29 | 7 17 | 0 26 | 16 14 | 1 22 | 18 38 | 15 44 | 22 58 | 22 55 | 20 34 | | n.a. |
| M17 | 23 45 | 16 47 | 3 18 | 23 40 | 1 20 | 14 40 | 5 32 | 7 15 | 0 4 | 22 54 | 1 28 | 11 29 | 2 29 | 7 17 | 0 26 | 16 14 | 1 22 | 18 37 | 15 44 | 22 58 | 22 56 | 20 35 | | n.a. |
| T 18 | 23 42 | 12 35 | 4 12 | 23 19 | 1 15 | 14 49 | 5 29 | 6 58 | 0 5 | 22 55 | 1 29 | 11 27 | 2 29 | 7 17 | 0 26 | 16 13 | 1 22 | 18 36 | 15 43 | 22 58 | 22 56 | 20 37 | | n.a. |
| W19 | 23 38 | 7 53 | 4 49 | 22 57 | 1 9 | 14 58 | 5 26 | 6 42 | 0 6 | 22 57 | 1 29 | 11 25 | 2 28 | 7 18 | 0 26 | 16 13 | 1 22 | 18 35 | 15 43 | 22 58 | 22 56 | 20 38 | | n.a. |
| T 20 | 23 34 | 2 59 | 5 11 | 22 33 | 1 4 | 15 8 | 5 22 | 6 25 | 0 7 | 22 59 | 1 29 | 11 23 | 2 28 | 7 18 | 0 26 | 16 13 | 1 22 | 18 34 | 15 42 | 22 58 | 22 57 | 20 40 | | n.a. |
| F 21 | 23 30 | 1s54 | 5 17 | 22 8 | 0 58 | 15 19 | 5 18 | 6 8 | 0 8 | 23 0 | 1 29 | 11 21 | 2 28 | 7 18 | 0 26 | 16 13 | 1 22 | 18 33 | 15 41 | 22 58 | 22 57 | 20 41 | | n.a. |
| S 22 | 23 25 | 6 37 | 5 9 | 21 43 | 0 52 | 15 30 | 5 15 | 5 51 | 0 9 | 23 2 | 1 29 | 11 19 | 2 28 | 7 18 | 0 26 | 16 13 | 1 22 | 18 32 | 15 41 | 22 58 | 22 57 | 20 42 | | n.a. |
| S 23 | 23 20 | 10 59 | 4 47 | 21 16 | 0 45 | 15 41 | 5 10 | 5 34 | 0 10 | 23 3 | 1 30 | 11 17 | 2 28 | 7 18 | 0 26 | 16 12 | 1 22 | 18 31 | 15 40 | 22 58 | 22 58 | 20 44 | | n.a. |
| M24 | 23 14 | 14 53 | 4 12 | 20 48 | 0 39 | 15 52 | 5 6 | 5 17 | 0 11 | 23 5 | 1 30 | 11 15 | 2 28 | 7 18 | 0 26 | 16 12 | 1 22 | 18 30 | 15 40 | 22 58 | 22 58 | 20 45 | | n.a. |
| T 25 | 23 8 | 18 10 | 3 27 | 20 20 | 0 32 | 16 4 | 5 2 | 5 0 | 0 12 | 23 6 | 1 30 | 11 13 | 2 27 | 7 18 | 0 26 | 16 12 | 1 22 | 18 29 | 15 39 | 22 58 | 22 59 | 20 47 | | n.a. |
| W26 | 23 1 | 20 43 | 2 34 | 19 51 | 0 25 | 16 16 | 4 58 | 4 43 | 0 13 | 23 8 | 1 30 | 11 11 | 2 27 | 7 19 | 0 26 | 16 12 | 1 22 | 18 28 | 15 39 | 22 58 | 22 59 | 20 48 | | n.a. |
| T 27 | 22 54 | 22 22 | 1 33 | 19 21 | 0 18 | 16 28 | 4 53 | 4 26 | 0 14 | 23 10 | 1 30 | 11 8 | 2 27 | 7 19 | 0 26 | 16 12 | 1 22 | 18 27 | 15 38 | 22 58 | 22 59 | 20 50 | | n.a. |
| F 28 | 22 47 | 23 1 | 0 28 | 18 51 | 0 10 | 16 40 | 4 48 | 4 9 | 0 15 | 23 11 | 1 30 | 11 6 | 2 27 | 7 19 | 0 26 | 16 12 | 1 22 | 18 26 | 15 38 | 22 58 | 23 0 | 20 51 | | n.a. |
| S 29 | 22 39 | 22 36 | 0s38 | 18 20 | 0 3 | 16 52 | 4 43 | 3 51 | 0 16 | 23 13 | 1 31 | 11 4 | 2 27 | 7 20 | 0 26 | 16 11 | 1 22 | 18 25 | 15 37 | 22 58 | 23 0 | 20 52 | | n.a. |
| S 30 | 22 31 | 21 8 | 1 44 | 17 49 | 0s 5 | 17 5 | 4 39 | 3 34 | 0 17 | 23 14 | 1 31 | 11 2 | 2 27 | 7 20 | 0 25 | 16 11 | 1 22 | 18 24 | 15 37 | 22 58 | 23 0 | 20 54 | | n.a. |
| M31 | 22n22 | 18s39 | 2s45 | 17n17 | 0s13 | 17n17 | 4s34 | 3n16 | 0s18 | 23s16 | 1s31 | 11n 0 | 2n26 | 7s20 | 0n25 | 16s11 | 1n22 | 18n23 | 15n36 | 22n58 | 23n 1 | 20s55 | | n.a. |

Julian Day Number = 1003888.5, Delta T = 12h47m57s
Ecliptic obliquity = 23°55'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'32, Lahiri = -31°02'31 Julian Calendar 1 July 1965 BCE == Greg. Calendar 14 June 1965 BCE

The year -1964 astronomical counting style corresponds to year 1965 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## AUGUST 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 32 45 | 21♋ 9'45 | 29♒34 | 13♌34 | 6♊57 | 21♍55 | 23°R41 | 8♍ 5 | 19♎23 | 17°R50 | 19♍46 | 15°R44 | 15♋19 | 17♐37 | n.a. | T 1 |
| W 2 | 19 36 42 | 22° 8'23 | 12♓17 | 14°58 | 7°43 | 22°37 | 23♑33 | 8°11 | 19°24 | 17♏50 | 19°48 | 15♋43 | 15°16 | 17°44 | n.a. | W 2 |
| T 3 | 19 40 39 | 23° 7'04 | 25°15 | 16°20 | 8°30 | 23°19 | 23°25 | 8°16 | 19°25 | 17°49 | 19°49 | 15°42 | 15°13 | 17°51 | n.a. | T 3 |
| F 4 | 19 44 35 | 24° 5'47 | 8♈30 | 17°41 | 9°17 | 24° 0 | 23°17 | 8°22 | 19°26 | 17°49 | 19°51 | 15°42 | 15°10 | 17°57 | n.a. | F 4 |
| S 5 | 19 48 32 | 25° 4'32 | 22° 2 | 19° 0 | 10° 6 | 24°42 | 23° 9 | 8°28 | 19°27 | 17°48 | 19°53 | 15°D41 | 15° 6 | 18° 4 | n.a. | S 5 |
| S 6 | 19 52 28 | 26° 3'20 | 5♉54 | 20°19 | 10°55 | 25°24 | 23° 1 | 8°33 | 19°28 | 17°48 | 19°54 | 15°42 | 15° 3 | 18°11 | n.a. | S 6 |
| M 7 | 19 56 25 | 27° 2'11 | 20° 4 | 21°35 | 11°45 | 26° 6 | 22°53 | 8°39 | 19°29 | 17°48 | 19°56 | 15°42 | 15° 0 | 18°17 | n.a. | M 7 |
| T 8 | 20 0 21 | 28° 1'04 | 4♊31 | 22°51 | 12°35 | 26°48 | 22°45 | 8°45 | 19°30 | 17°47 | 19°58 | 15°43 | 14°57 | 18°24 | n.a. | T 8 |
| W 9 | 20 4 18 | 29° 0'00 | 19°12 | 24° 4 | 13°27 | 27°31 | 22°37 | 8°51 | 19°31 | 17°47 | 19°59 | 15°44 | 14°54 | 18°31 | n.a. | W 9 |
| T 10 | 20 8 14 | 29°58'58 | 4♋ 2 | 25°16 | 14°19 | 28°13 | 22°29 | 8°57 | 19°33 | 17°47 | 20° 1 | 15°45 | 14°50 | 18°37 | n.a. | T 10 |
| F 11 | 20 12 11 | 0♌57'58 | 18°53 | 26°26 | 15°12 | 28°56 | 22°21 | 9° 3 | 19°34 | 17°47 | 20° 3 | 15°R45 | 14°47 | 18°44 | n.a. | F 11 |
| S 12 | 20 16 7 | 1°57'00 | 3♌39 | 27°34 | 16° 5 | 29°38 | 22°14 | 9° 9 | 19°35 | 17°47 | 20° 5 | 15°44 | 14°44 | 18°51 | n.a. | S 12 |
| S 13 | 20 20 4 | 2°56'05 | 18°12 | 28°41 | 16°59 | 0♎21 | 22° 6 | 9°15 | 19°37 | 17°46 | 20° 6 | 15°43 | 14°41 | 18°57 | n.a. | S 13 |
| M14 | 20 24 1 | 3°55'12 | 2♍25 | 29°45 | 17°54 | 1° 4 | 21°58 | 9°21 | 19°38 | 17°46 | 20° 8 | 15°41 | 14°38 | 19° 4 | n.a. | M14 |
| T 15 | 20 27 57 | 4°54'21 | 16°16 | 0♍46 | 18°49 | 1°46 | 21°51 | 9°28 | 19°40 | 17°46 | 20°10 | 15°38 | 14°35 | 19°11 | n.a. | T 15 |
| W16 | 20 31 54 | 5°53'32 | 29°41 | 1°45 | 19°45 | 2°29 | 21°43 | 9°34 | 19°41 | 17°46 | 20°12 | 15°35 | 14°31 | 19°17 | n.a. | W16 |
| T 17 | 20 35 50 | 6°52'44 | 12♎42 | 2°42 | 20°41 | 3°12 | 21°35 | 9°40 | 19°43 | 17°D46 | 20°14 | 15°33 | 14°28 | 19°24 | n.a. | T 17 |
| F 18 | 20 39 47 | 7°51'59 | 25°19 | 3°35 | 21°38 | 3°56 | 21°28 | 9°46 | 19°45 | 17°46 | 20°16 | 15°31 | 14°25 | 19°31 | n.a. | F 18 |
| S 19 | 20 43 43 | 8°51'16 | 7♏38 | 4°25 | 22°36 | 4°39 | 21°21 | 9°53 | 19°46 | 17°46 | 20°18 | 15°D31 | 14°22 | 19°37 | n.a. | S 19 |
| S 20 | 20 47 40 | 9°50'35 | 19°42 | 5°12 | 23°33 | 5°22 | 21°14 | 9°59 | 19°48 | 17°46 | 20°20 | 15°31 | 14°19 | 19°44 | n.a. | S 20 |
| M21 | 20 51 36 | 10°49'55 | 1♐37 | 5°55 | 24°32 | 6° 5 | 21° 7 | 10° 6 | 19°50 | 17°47 | 20°22 | 15°32 | 14°16 | 19°51 | n.a. | M21 |
| T 22 | 20 55 33 | 11°49'18 | 13°26 | 6°34 | 25°31 | 6°49 | 21° 0 | 10°12 | 19°52 | 17°47 | 20°24 | 15°34 | 14°12 | 19°57 | n.a. | T 22 |
| W23 | 20 59 29 | 12°48'43 | 25°15 | 7° 8 | 26°30 | 7°32 | 20°53 | 10°19 | 19°54 | 17°47 | 20°26 | 15°36 | 14° 9 | 20° 4 | n.a. | W23 |
| T 24 | 21 3 26 | 13°48'10 | 7♑ 8 | 7°37 | 27°30 | 8°16 | 20°46 | 10°25 | 19°56 | 17°47 | 20°28 | 15°37 | 14° 6 | 20°11 | n.a. | T 24 |
| F 25 | 21 7 23 | 14°47'38 | 19° 8 | 8° 1 | 28°30 | 9° 0 | 20°39 | 10°32 | 19°58 | 17°47 | 20°30 | 15°R37 | 14° 3 | 20°17 | n.a. | F 25 |
| S 26 | 21 11 19 | 15°47'09 | 1♒19 | 8°19 | 29°30 | 9°43 | 20°33 | 10°38 | 20° 0 | 17°48 | 20°32 | 15°36 | 14° 0 | 20°24 | n.a. | S 26 |
| S 27 | 21 15 16 | 16°46'42 | 13°41 | 8°30 | 0♋31 | 10°27 | 20°26 | 10°45 | 20° 2 | 17°48 | 20°34 | 15°34 | 13°56 | 20°31 | n.a. | S 27 |
| M28 | 21 19 12 | 17°46'17 | 26°17 | 8°R35 | 1°33 | 11°11 | 20°20 | 10°52 | 20° 4 | 17°48 | 20°36 | 15°29 | 13°53 | 20°37 | n.a. | M28 |
| T 29 | 21 23 9 | 18°45'55 | 9♓ 7 | 8°33 | 2°35 | 11°55 | 20°14 | 10°58 | 20° 6 | 17°49 | 20°38 | 15°24 | 13°50 | 20°44 | n.a. | T 29 |
| W30 | 21 27 5 | 19°45'34 | 22°11 | 8°22 | 3°37 | 12°39 | 20° 8 | 11° 5 | 20° 8 | 17°49 | 20°40 | 15°18 | 13°47 | 20°51 | n.a. | W30 |
| T 31 | 21 31 2 | 20♌45'16 | 5♈28 | 8♍ 4 | 4♋39 | 13♎23 | 20♑ 2 | 11♍12 | 20♎11 | 17♏50 | 20♍43 | 15♋13 | 13♋44 | 20♐57 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 22n13 | 15s16 | 3s40 | 16n45 | 0s21 | 17n30 | 4s29 | 2n59 | 0s19 | 23s17 | 1s31 | 10n57 | 2n26 | 7s20 | 0n25 | 16s11 | 1n22 | 18n22 | 15n36 | 22n58 | 23n 1 | 20s57 | | | n.a. |
| W 2 | 22 4 | 11 9 | 4 25 | 16 13 | 0 29 | 17 42 | 4 23 | 2 41 | 0 20 | 23 19 | 1 31 | 10 55 | 2 26 | 7 21 | 0 25 | 16 11 | 1 22 | 18 21 | 15 35 | 22 58 | 23 2 | 20 58 | | | n.a. |
| T 3 | 21 54 | 6 27 | 4 57 | 15 40 | 0 37 | 17 55 | 4 18 | 2 24 | 0 21 | 23 20 | 1 31 | 10 53 | 2 26 | 7 21 | 0 25 | 16 11 | 1 21 | 18 20 | 15 35 | 22 58 | 23 2 | 20 59 | | | n.a. |
| F 4 | 21 43 | 1 22 | 5 15 | 15 8 | 0 45 | 18 7 | 4 13 | 2 6 | 0 21 | 23 22 | 1 31 | 10 50 | 2 26 | 7 22 | 0 25 | 16 11 | 1 21 | 18 19 | 15 34 | 22 59 | 23 2 | 21 1 | | | n.a. |
| S 5 | 21 33 | 3n53 | 5 15 | 14 35 | 0 53 | 18 20 | 4 7 | 1 48 | 0 22 | 23 23 | 1 31 | 10 48 | 2 26 | 7 22 | 0 25 | 16 11 | 1 21 | 18 18 | 15 34 | 22 59 | 23 3 | 21 2 | | | n.a. |
| S 6 | 21 22 | 9 5 | 4 58 | 14 2 | 1 2 | 18 32 | 4 2 | 1 30 | 0 23 | 23 25 | 1 32 | 10 46 | 2 25 | 7 23 | 0 25 | 16 11 | 1 21 | 18 17 | 15 33 | 22 59 | 23 3 | 21 4 | | | n.a. |
| M 7 | 21 10 | 13 55 | 4 22 | 13 29 | 1 10 | 18 44 | 3 57 | 1 13 | 0 24 | 23 26 | 1 32 | 10 43 | 2 25 | 7 23 | 0 25 | 16 11 | 1 21 | 18 16 | 15 33 | 22 58 | 23 3 | 21 5 | | | n.a. |
| T 8 | 20 58 | 18 3 | 3 29 | 12 57 | 1 18 | 18 57 | 3 51 | 0 55 | 0 25 | 23 28 | 1 32 | 10 41 | 2 25 | 7 23 | 0 25 | 16 11 | 1 21 | 18 15 | 15 32 | 22 58 | 23 4 | 21 6 | | | n.a. |
| W 9 | 20 46 | 21 7 | 2 22 | 12 24 | 1 27 | 19 9 | 3 45 | 0 37 | 0 26 | 23 29 | 1 32 | 10 39 | 2 25 | 7 24 | 0 25 | 16 11 | 1 21 | 18 13 | 15 32 | 22 58 | 23 4 | 21 8 | | | n.a. |
| T 10 | 20 34 | 22 47 | 1 5 | 11 52 | 1 35 | 19 20 | 3 40 | 0 19 | 0 27 | 23 31 | 1 32 | 10 36 | 2 25 | 7 25 | 0 25 | 16 11 | 1 21 | 18 12 | 15 32 | 22 58 | 23 4 | 21 9 | | | n.a. |
| F 11 | 20 21 | 22 51 | 0n17 | 11 20 | 1 43 | 19 32 | 3 34 | 0 1 | 0 28 | 23 32 | 1 32 | 10 34 | 2 25 | 7 25 | 0 25 | 16 11 | 1 21 | 18 11 | 15 31 | 22 58 | 23 5 | 21 10 | | | n.a. |
| S 12 | 20 7 | 21 18 | 1 37 | 10 49 | 1 51 | 19 43 | 3 29 | 0s17 | 0 29 | 23 33 | 1 32 | 10 31 | 2 25 | 7 26 | 0 25 | 16 11 | 1 21 | 18 10 | 15 31 | 22 58 | 23 5 | 21 12 | | | n.a. |
| S 13 | 19 54 | 18 22 | 2 50 | 10 18 | 2 0 | 19 54 | 3 23 | 0 35 | 0 29 | 23 35 | 1 32 | 10 29 | 2 25 | 7 26 | 0 25 | 16 11 | 1 21 | 18 9 | 15 30 | 22 58 | 23 6 | 21 13 | | | n.a. |
| M14 | 19 40 | 14 23 | 3 50 | 9 48 | 2 8 | 20 5 | 3 17 | 0 53 | 0 30 | 23 36 | 1 32 | 10 26 | 2 24 | 7 27 | 0 25 | 16 11 | 1 21 | 18 8 | 15 30 | 22 59 | 23 6 | 21 15 | | | n.a. |
| T 15 | 19 25 | 9 44 | 4 35 | 9 19 | 2 16 | 20 16 | 3 11 | 1 12 | 0 31 | 23 37 | 1 32 | 10 24 | 2 24 | 7 27 | 0 25 | 16 11 | 1 21 | 18 7 | 15 29 | 22 59 | 23 6 | 21 16 | | | n.a. |
| W16 | 19 11 | 4 45 | 5 3 | 8 50 | 2 23 | 20 26 | 3 6 | 1 30 | 0 32 | 23 38 | 1 32 | 10 21 | 2 24 | 7 28 | 0 25 | 16 11 | 1 21 | 18 6 | 15 29 | 22 59 | 23 7 | 21 17 | | | n.a. |
| T 17 | 18 55 | 0s17 | 5 15 | 8 23 | 2 31 | 20 36 | 3 0 | 1 48 | 0 33 | 23 40 | 1 32 | 10 19 | 2 24 | 7 29 | 0 25 | 16 11 | 1 21 | 18 4 | 15 29 | 23 0 | 23 7 | 21 19 | | | n.a. |
| F 18 | 18 40 | 5 10 | 5 11 | 7 56 | 2 38 | 20 45 | 2 54 | 2 6 | 0 34 | 23 41 | 1 32 | 10 16 | 2 24 | 7 29 | 0 25 | 16 11 | 1 21 | 18 3 | 15 28 | 23 0 | 23 7 | 21 20 | | | n.a. |
| S 19 | 18 24 | 9 44 | 4 52 | 7 31 | 2 46 | 20 54 | 2 48 | 2 24 | 0 34 | 23 42 | 1 32 | 10 14 | 2 24 | 7 30 | 0 25 | 16 11 | 1 21 | 18 2 | 15 28 | 23 0 | 23 8 | 21 21 | | | n.a. |
| S 20 | 18 8 | 13 50 | 4 21 | 7 8 | 2 52 | 21 3 | 2 43 | 2 43 | 0 35 | 23 43 | 1 32 | 10 11 | 2 24 | 7 31 | 0 25 | 16 11 | 1 21 | 18 1 | 15 27 | 23 0 | 23 8 | 21 23 | | | n.a. |
| M21 | 17 52 | 17 19 | 3 39 | 6 46 | 2 59 | 21 12 | 2 37 | 3 1 | 0 36 | 23 44 | 1 32 | 10 9 | 2 24 | 7 31 | 0 25 | 16 11 | 1 20 | 18 0 | 15 27 | 23 0 | 23 8 | 21 24 | | | n.a. |
| T 22 | 17 35 | 20 6 | 2 48 | 6 26 | 3 5 | 21 20 | 2 31 | 3 19 | 0 37 | 23 45 | 1 32 | 10 6 | 2 24 | 7 32 | 0 25 | 16 11 | 1 20 | 17 59 | 15 27 | 22 59 | 23 9 | 21 25 | | | n.a. |
| W23 | 17 18 | 22 0 | 1 50 | 6 8 | 3 10 | 21 27 | 2 25 | 3 37 | 0 37 | 23 46 | 1 32 | 10 3 | 2 24 | 7 33 | 0 25 | 16 11 | 1 20 | 17 58 | 15 26 | 22 59 | 23 9 | 21 26 | | | n.a. |
| T 24 | 17 1 | 22 57 | 0 47 | 5 52 | 3 15 | 21 34 | 2 19 | 3 56 | 0 38 | 23 48 | 1 32 | 10 1 | 2 23 | 7 34 | 0 25 | 16 12 | 1 20 | 17 56 | 15 26 | 22 59 | 23 9 | 21 28 | | | n.a. |
| F 25 | 16 43 | 22 50 | 0s19 | 5 39 | 3 20 | 21 41 | 2 14 | 4 14 | 0 39 | 23 48 | 1 32 | 9 58 | 2 23 | 7 35 | 0 25 | 16 12 | 1 20 | 17 55 | 15 26 | 22 59 | 23 10 | 21 29 | | | n.a. |
| S 26 | 16 25 | 21 39 | 1 25 | 5 29 | 3 23 | 21 47 | 2 8 | 4 32 | 0 40 | 23 49 | 1 32 | 9 56 | 2 23 | 7 35 | 0 25 | 16 12 | 1 20 | 17 54 | 15 25 | 22 59 | 23 10 | 21 30 | | | n.a. |
| S 27 | 16 7 | 19 24 | 2 28 | 5 22 | 3 26 | 21 53 | 2 2 | 4 50 | 0 41 | 23 50 | 1 32 | 9 53 | 2 23 | 7 36 | 0 25 | 16 12 | 1 20 | 17 53 | 15 25 | 23 0 | 23 10 | 21 32 | | | n.a. |
| M28 | 15 49 | 16 12 | 3 24 | 5 19 | 3 28 | 21 58 | 1 57 | 5 8 | 0 41 | 23 51 | 1 32 | 9 50 | 2 23 | 7 37 | 0 25 | 16 12 | 1 20 | 17 52 | 15 25 | 23 0 | 23 11 | 21 33 | | | n.a. |
| T 29 | 15 30 | 12 11 | 4 11 | 5 19 | 3 28 | 22 3 | 1 51 | 5 27 | 0 42 | 23 52 | 1 32 | 9 48 | 2 23 | 7 38 | 0 25 | 16 12 | 1 20 | 17 51 | 15 24 | 23 1 | 23 11 | 21 34 | | | n.a. |
| W30 | 15 11 | 7 32 | 4 46 | 5 24 | 3 28 | 22 7 | 1 45 | 5 45 | 0 43 | 23 53 | 1 32 | 9 45 | 2 23 | 7 39 | 0 25 | 16 12 | 1 20 | 17 50 | 15 24 | 23 1 | 23 11 | 21 35 | | | n.a. |
| T 31 | 14n52 | 2s28 | 5s 7 | 5n32 | 3s26 | 22n11 | 1s40 | 6s 3 | 0s43 | 23s54 | 1s31 | 9n42 | 2n23 | 7s40 | 0n25 | 16s13 | 1n20 | 17n48 | 15n24 | 23n 2 | 23n12 | 21s37 | | | n.a. |

Julian Day Number = 1003919.5, Delta T = 12h47m55s
Ecliptic obliquity = 23°55'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'28, Lahiri = -31°02'27 Julian Calendar 1 Aug. 1965 BCE == Greg. Calendar 15 July 1965 BCE

The year -1964 astronomical counting style corresponds to year 1965 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## SEPTEMBER 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 34 58 | 21♌45'00 | 18♈57 | 7°R37 | 5♋42 | 14♎ 7 | 19°R56 | 11♍19 | 20♎13 | 17♏50 | 20♍45 | 15°R 8 | 13♋41 | 21♐ 4 | n.a. | F 1 |
| S 2 | 21 38 55 | 22°44'47 | 2♉37 | 7♍ 1 | 6°45 | 14°52 | 19♑51 | 11°25 | 20°15 | 17°51 | 20°47 | 15♋ 4 | 13°37 | 21°11 | n.a. | S 2 |
| S 3 | 21 42 51 | 23°44'36 | 16°29 | 6°17 | 7°49 | 15°36 | 19°45 | 11°32 | 20°18 | 17°51 | 20°49 | 15° 3 | 13°34 | 21°17 | n.a. | S 3 |
| M 4 | 21 46 48 | 24°44'28 | 0♊30 | 5°25 | 8°53 | 16°20 | 19°40 | 11°39 | 20°20 | 17°52 | 20°51 | 15°D 3 | 13°31 | 21°24 | n.a. | M 4 |
| T 5 | 21 50 45 | 25°44'22 | 14°41 | 4°25 | 9°57 | 17° 5 | 19°35 | 11°46 | 20°22 | 17°53 | 20°54 | 15° 4 | 13°28 | 21°31 | n.a. | T 5 |
| W 6 | 21 54 41 | 26°44'19 | 29° 0 | 3°19 | 11° 2 | 17°49 | 19°30 | 11°53 | 20°25 | 17°53 | 20°56 | 15° 5 | 13°25 | 21°37 | n.a. | W 6 |
| T 7 | 21 58 38 | 27°44'18 | 13♋23 | 2° 8 | 12° 7 | 18°34 | 19°25 | 12° 0 | 20°27 | 17°54 | 20°58 | 15°R 6 | 13°21 | 21°44 | n.a. | T 7 |
| F 8 | 22 2 34 | 28°44'19 | 27°49 | 0°54 | 13°12 | 19°19 | 19°21 | 12° 7 | 20°30 | 17°55 | 21° 0 | 15° 5 | 13°18 | 21°50 | n.a. | F 8 |
| S 9 | 22 6 31 | 29°44'23 | 12♌12 | 29♌38 | 14°17 | 20° 3 | 19°17 | 12°14 | 20°33 | 17°55 | 21° 3 | 15° 2 | 13°15 | 21°57 | n.a. | S 9 |
| S 10 | 22 10 27 | 0♍44'29 | 26°27 | 28°23 | 15°23 | 20°48 | 19°12 | 12°21 | 20°35 | 17°56 | 21° 5 | 14°57 | 13°12 | 22° 4 | n.a. | S 10 |
| M11 | 22 14 24 | 1°44'36 | 10♍29 | 27°12 | 16°29 | 21°33 | 19° 8 | 12°28 | 20°38 | 17°57 | 21° 7 | 14°50 | 13° 9 | 22°10 | n.a. | M11 |
| T 12 | 22 18 20 | 2°44'46 | 24°13 | 26° 5 | 17°35 | 22°18 | 19° 5 | 12°35 | 20°41 | 17°58 | 21°10 | 14°42 | 13° 6 | 22°17 | n.a. | T 12 |
| W13 | 22 22 17 | 3°44'58 | 7♎36 | 25° 7 | 18°41 | 23° 3 | 19° 1 | 12°42 | 20°43 | 17°59 | 21°12 | 14°33 | 13° 2 | 22°24 | n.a. | W13 |
| T 14 | 22 26 13 | 4°45'11 | 20°36 | 24°17 | 19°48 | 23°48 | 18°57 | 12°49 | 20°46 | 18° 0 | 21°14 | 14°25 | 12°59 | 22°30 | n.a. | T 14 |
| F 15 | 22 30 10 | 5°45'26 | 3♏15 | 23°38 | 20°55 | 24°33 | 18°54 | 12°56 | 20°49 | 18° 1 | 21°17 | 14°19 | 12°56 | 22°37 | n.a. | F 15 |
| S 16 | 22 34 7 | 6°45'43 | 15°36 | 23°10 | 22° 2 | 25°19 | 18°51 | 13° 3 | 20°52 | 18° 2 | 21°19 | 14°14 | 12°53 | 22°44 | n.a. | S 16 |
| S 17 | 22 38 3 | 7°46'02 | 27°40 | 22°54 | 23°10 | 26° 4 | 18°48 | 13°10 | 20°55 | 18° 3 | 21°22 | 14°12 | 12°50 | 22°50 | n.a. | S 17 |
| M18 | 22 42 0 | 8°46'22 | 9♐35 | 22°D49 | 24°17 | 26°49 | 18°46 | 13°17 | 20°58 | 18° 4 | 21°24 | 14°D11 | 12°47 | 22°57 | n.a. | M18 |
| T 19 | 22 45 56 | 9°46'44 | 21°24 | 22°55 | 25°25 | 27°34 | 18°43 | 13°24 | 21° 1 | 18° 5 | 21°26 | 14°11 | 12°43 | 23° 4 | n.a. | T 19 |
| W20 | 22 49 53 | 10°47'08 | 3♑13 | 23°12 | 26°33 | 28°20 | 18°41 | 13°31 | 21° 4 | 18° 6 | 21°29 | 14°13 | 12°40 | 23°10 | n.a. | W20 |
| T 21 | 22 53 49 | 11°47'33 | 15° 7 | 23°39 | 27°41 | 29° 5 | 18°39 | 13°38 | 21° 7 | 18° 7 | 21°31 | 14°R13 | 12°37 | 23°17 | n.a. | T 21 |
| F 22 | 22 57 46 | 12°48'00 | 27°11 | 24°16 | 28°50 | 29°51 | 18°37 | 13°45 | 21°10 | 18° 8 | 21°34 | 14°12 | 12°34 | 23°24 | n.a. | F 22 |
| S 23 | 23 1 42 | 13°48'29 | 9♒30 | 25° 0 | 29°58 | 0♏36 | 18°35 | 13°52 | 21°13 | 18°10 | 21°36 | 14° 9 | 12°31 | 23°30 | n.a. | S 23 |
| S 24 | 23 5 39 | 14°48'59 | 22° 5 | 25°52 | 1♌ 7 | 1°22 | 18°34 | 13°59 | 21°16 | 18°11 | 21°38 | 14° 3 | 12°27 | 23°37 | n.a. | S 24 |
| M25 | 23 9 36 | 15°49'31 | 4♓59 | 26°50 | 2°16 | 2° 8 | 18°33 | 14° 6 | 21°19 | 18°12 | 21°41 | 13°55 | 12°24 | 23°44 | n.a. | M25 |
| T 26 | 23 13 32 | 16°50'04 | 18°11 | 27°55 | 3°25 | 2°54 | 18°31 | 14°13 | 21°22 | 18°13 | 21°43 | 13°45 | 12°21 | 23°50 | n.a. | T 26 |
| W27 | 23 17 29 | 17°50'39 | 1♈40 | 29° 4 | 4°35 | 3°39 | 18°31 | 14°20 | 21°25 | 18°15 | 21°46 | 13°34 | 12°18 | 23°57 | n.a. | W27 |
| T 28 | 23 21 25 | 18°51'16 | 15°23 | 0♍17 | 5°44 | 4°25 | 18°30 | 14°27 | 21°29 | 18°16 | 21°48 | 13°22 | 12°15 | 24° 4 | n.a. | T 28 |
| F 29 | 23 25 22 | 19°51'55 | 29°17 | 1°34 | 6°54 | 5°11 | 18°30 | 14°34 | 21°32 | 18°17 | 21°51 | 13°13 | 12°12 | 24°10 | n.a. | F 29 |
| S 30 | 23 29 18 | 20♍52'35 | 13♉18 | 2♍54 | 8♌ 4 | 5♏57 | 18♑29 | 14♍41 | 21♎35 | 18♏19 | 21♍53 | 13♋ 5 | 12♋ 8 | 24♐17 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14n32 | 2n47 | 5s10 | 5n46 | 3s22 | 22n14 | 1s34 | 6s21 | 0s44 | 23s55 | 1s31 | 9n40 | 2n23 | 7s41 | 0n25 | 16s13 | 1n20 | 17n47 | 15n23 | 23n 3 | 23n12 | 21s38 | | n.a. |
| S 2 | 14 12 | 7 59 | 4 57 | 6 4 | 3 17 | 22 16 | 1 29 | 6 39 | 0 45 | 23 55 | 1 31 | 9 37 | 2 23 | 7 41 | 0 25 | 16 13 | 1 20 | 17 46 | 15 23 | 23 3 | 23 12 | 21 39 | | n.a. |
| S 3 | 13 52 | 12 52 | 4 26 | 6 27 | 3 9 | 22 18 | 1 23 | 6 57 | 0 46 | 23 56 | 1 31 | 9 34 | 2 23 | 7 42 | 0 24 | 16 13 | 1 20 | 17 45 | 15 23 | 23 3 | 23 13 | 21 41 | | n.a. |
| M 4 | 13 32 | 17 6 | 3 39 | 6 55 | 3 0 | 22 20 | 1 18 | 7 15 | 0 46 | 23 57 | 1 31 | 9 31 | 2 23 | 7 43 | 0 24 | 16 13 | 1 20 | 17 44 | 15 23 | 23 3 | 23 13 | 21 42 | | n.a. |
| T 5 | 13 12 | 20 25 | 2 38 | 7 28 | 2 49 | 22 20 | 1 12 | 7 34 | 0 47 | 23 57 | 1 31 | 9 29 | 2 23 | 7 44 | 0 24 | 16 14 | 1 20 | 17 43 | 15 22 | 23 3 | 23 13 | 21 43 | | n.a. |
| W 6 | 12 51 | 22 29 | 1 26 | 8 4 | 2 36 | 22 21 | 1 7 | 7 52 | 0 48 | 23 58 | 1 31 | 9 26 | 2 23 | 7 45 | 0 24 | 16 14 | 1 20 | 17 41 | 15 22 | 23 3 | 23 14 | 21 44 | | n.a. |
| T 7 | 12 30 | 23 5 | 0 9 | 8 44 | 2 21 | 22 20 | 1 1 | 8 9 | 0 48 | 23 59 | 1 31 | 9 23 | 2 23 | 7 46 | 0 24 | 16 14 | 1 20 | 17 40 | 15 22 | 23 3 | 23 14 | 21 46 | | n.a. |
| F 8 | 12 9 | 22 8 | 1n 8 | 9 27 | 2 4 | 22 19 | 0 56 | 8 27 | 0 49 | 23 59 | 1 31 | 9 20 | 2 22 | 7 47 | 0 24 | 16 14 | 1 19 | 17 39 | 15 22 | 23 3 | 23 14 | 21 47 | | n.a. |
| S 9 | 11 47 | 19 44 | 2 21 | 10 11 | 1 46 | 22 18 | 0 51 | 8 45 | 0 50 | 24 0 | 1 30 | 9 18 | 2 22 | 7 48 | 0 24 | 16 15 | 1 19 | 17 38 | 15 21 | 23 3 | 23 15 | 21 48 | | n.a. |
| S 10 | 11 26 | 16 9 | 3 25 | 10 55 | 1 26 | 22 15 | 0 46 | 9 3 | 0 50 | 24 0 | 1 30 | 9 15 | 2 22 | 7 49 | 0 24 | 16 15 | 1 19 | 17 37 | 15 21 | 23 4 | 23 15 | 21 49 | | n.a. |
| M11 | 11 4 | 11 42 | 4 14 | 11 39 | 1 6 | 22 13 | 0 41 | 9 21 | 0 51 | 24 1 | 1 30 | 9 12 | 2 22 | 7 50 | 0 24 | 16 15 | 1 19 | 17 36 | 15 21 | 23 5 | 23 15 | 21 50 | | n.a. |
| T 12 | 10 42 | 6 44 | 4 48 | 12 21 | 0 46 | 22 9 | 0 36 | 9 39 | 0 51 | 24 1 | 1 30 | 9 9 | 2 22 | 7 51 | 0 24 | 16 16 | 1 19 | 17 35 | 15 21 | 23 5 | 23 16 | 21 52 | | n.a. |
| W13 | 10 20 | 1 35 | 5 5 | 13 1 | 0 25 | 22 5 | 0 31 | 9 56 | 0 52 | 24 1 | 1 30 | 9 7 | 2 22 | 7 53 | 0 24 | 16 16 | 1 19 | 17 33 | 15 21 | 23 6 | 23 16 | 21 53 | | n.a. |
| T 14 | 9 58 | 3s30 | 5 6 | 13 36 | 0 6 | 22 0 | 0 26 | 10 14 | 0 53 | 24 2 | 1 30 | 9 4 | 2 22 | 7 54 | 0 24 | 16 16 | 1 19 | 17 32 | 15 20 | 23 7 | 23 16 | 21 54 | | n.a. |
| F 15 | 9 35 | 8 18 | 4 51 | 14 7 | 0n13 | 21 55 | 0 21 | 10 31 | 0 53 | 24 2 | 1 30 | 9 1 | 2 22 | 7 55 | 0 24 | 16 17 | 1 19 | 17 31 | 15 20 | 23 8 | 23 17 | 21 55 | | n.a. |
| S 16 | 9 12 | 12 39 | 4 23 | 14 34 | 0 31 | 21 49 | 0 16 | 10 49 | 0 54 | 24 2 | 1 29 | 8 58 | 2 22 | 7 56 | 0 24 | 16 17 | 1 19 | 17 30 | 15 20 | 23 9 | 23 17 | 21 57 | | n.a. |
| S 17 | 8 49 | 16 24 | 3 44 | 14 55 | 0 48 | 21 42 | 0 11 | 11 6 | 0 54 | 24 3 | 1 29 | 8 56 | 2 22 | 7 57 | 0 24 | 16 17 | 1 19 | 17 29 | 15 20 | 23 9 | 23 17 | 21 58 | | n.a. |
| M18 | 8 27 | 19 27 | 2 55 | 15 10 | 1 3 | 21 35 | 0 7 | 11 23 | 0 55 | 24 3 | 1 29 | 8 53 | 2 22 | 7 58 | 0 24 | 16 18 | 1 19 | 17 28 | 15 20 | 23 9 | 23 18 | 21 59 | | n.a. |
| T 19 | 8 3 | 21 39 | 2 0 | 15 21 | 1 16 | 21 27 | 0 2 | 11 41 | 0 55 | 24 3 | 1 29 | 8 50 | 2 22 | 7 59 | 0 24 | 16 18 | 1 19 | 17 27 | 15 19 | 23 9 | 23 18 | 22 0 | | n.a. |
| W20 | 7 40 | 22 54 | 0 59 | 15 26 | 1 28 | 21 19 | 0n 3 | 11 58 | 0 56 | 24 3 | 1 29 | 8 47 | 2 22 | 8 0 | 0 24 | 16 18 | 1 19 | 17 26 | 15 19 | 23 9 | 23 18 | 22 1 | | n.a. |
| T 21 | 7 17 | 23 7 | 0s 5 | 15 27 | 1 38 | 21 9 | 0 7 | 12 15 | 0 57 | 24 3 | 1 29 | 8 44 | 2 22 | 8 2 | 0 24 | 16 19 | 1 19 | 17 25 | 15 19 | 23 9 | 23 18 | 22 2 | | n.a. |
| F 22 | 6 53 | 22 16 | 1 9 | 15 23 | 1 47 | 21 0 | 0 11 | 12 32 | 0 57 | 24 3 | 1 28 | 8 42 | 2 22 | 8 3 | 0 24 | 16 19 | 1 19 | 17 23 | 15 19 | 23 9 | 23 19 | 22 4 | | n.a. |
| S 23 | 6 30 | 20 20 | 2 11 | 15 14 | 1 54 | 20 49 | 0 16 | 12 49 | 0 58 | 24 3 | 1 28 | 8 39 | 2 22 | 8 4 | 0 24 | 16 19 | 1 19 | 17 22 | 15 19 | 23 9 | 23 19 | 22 5 | | n.a. |
| S 24 | 6 6 | 17 23 | 3 8 | 15 2 | 2 0 | 20 38 | 0 20 | 13 5 | 0 58 | 24 3 | 1 28 | 8 36 | 2 22 | 8 5 | 0 24 | 16 20 | 1 19 | 17 21 | 15 19 | 23 10 | 23 19 | 22 6 | | n.a. |
| M25 | 5 42 | 13 32 | 3 57 | 14 45 | 2 4 | 20 26 | 0 24 | 13 22 | 0 59 | 24 3 | 1 28 | 8 33 | 2 22 | 8 6 | 0 24 | 16 20 | 1 19 | 17 20 | 15 19 | 23 11 | 23 20 | 22 7 | | n.a. |
| T 26 | 5 18 | 8 57 | 4 34 | 14 26 | 2 8 | 20 14 | 0 28 | 13 39 | 0 59 | 24 3 | 1 28 | 8 31 | 2 22 | 8 8 | 0 24 | 16 21 | 1 19 | 17 19 | 15 19 | 23 12 | 23 20 | 22 8 | | n.a. |
| W27 | 4 54 | 3 50 | 4 56 | 14 3 | 2 10 | 20 1 | 0 32 | 13 55 | 1 0 | 24 3 | 1 28 | 8 28 | 2 22 | 8 9 | 0 24 | 16 21 | 1 18 | 17 18 | 15 19 | 23 13 | 23 20 | 22 9 | | n.a. |
| T 28 | 4 30 | 1n32 | 5 3 | 13 38 | 2 11 | 19 48 | 0 36 | 14 11 | 1 0 | 24 3 | 1 27 | 8 25 | 2 22 | 8 10 | 0 24 | 16 21 | 1 18 | 17 17 | 15 19 | 23 14 | 23 21 | 22 11 | | n.a. |
| F 29 | 4 5 | 6 54 | 4 51 | 13 10 | 2 12 | 19 34 | 0 40 | 14 28 | 1 1 | 24 3 | 1 27 | 8 22 | 2 22 | 8 11 | 0 24 | 16 22 | 1 18 | 17 16 | 15 18 | 23 15 | 23 21 | 22 12 | | n.a. |
| S 30 | 3n41 | 11n59 | 4s22 | 12n40 | 2n11 | 19n19 | 0n44 | 14s44 | 1s 1 | 24s 3 | 1s27 | 8n20 | 2n22 | 8s13 | 0n24 | 16s22 | 1n18 | 17n15 | 15n18 | 23n16 | 23n21 | 22s13 | | n.a. |

Julian Day Number = 1003950.5, Delta T = 12h47m53s
Ecliptic obliquity = 23°55'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'23, Lahiri = -31°02'23 Julian Calendar 1 Sept. 1965 BCE == Greg. Calendar 15 Aug. 1965 BCE


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## OCTOBER 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 33 15 | 21♍53'18 | 27♉22 | 4♍17 | 9♌14 | 6♏43 | 18°D29 | 14♍48 | 21♎38 | 18♏20 | 21♍55 | 13°R 0 | 12♋ 5 | 24♐24 | n.a. | S 1 |
| M 2 | 23 37 11 | 22°54'02 | 11♊28 | 5°42 | 10°24 | 7°29 | 18♉29 | 14°55 | 21°42 | 18°22 | 21°58 | 12♋58 | 12° 2 | 24°30 | n.a. | M 2 |
| T 3 | 23 41 8 | 23°54'49 | 25°33 | 7° 9 | 11°35 | 8°15 | 18°30 | 15° 2 | 21°45 | 18°23 | 22° 0 | 12°D57 | 11°59 | 24°37 | n.a. | T 3 |
| W 4 | 23 45 4 | 24°55'37 | 9♋38 | 8°38 | 12°45 | 9° 1 | 18°30 | 15° 9 | 21°48 | 18°25 | 22° 3 | 12°R57 | 11°56 | 24°43 | n.a. | W 4 |
| T 5 | 23 49 1 | 25°56'27 | 23°41 | 10° 7 | 13°56 | 9°47 | 18°31 | 15°16 | 21°52 | 18°26 | 22° 5 | 12°57 | 11°52 | 24°50 | n.a. | T 5 |
| F 6 | 23 52 58 | 26°57'19 | 7♌41 | 11°38 | 15° 7 | 10°33 | 18°32 | 15°23 | 21°55 | 18°28 | 22° 8 | 12°55 | 11°49 | 24°57 | n.a. | F 6 |
| S 7 | 23 56 54 | 27°58'12 | 21°37 | 13°10 | 16°18 | 11°20 | 18°33 | 15°30 | 21°59 | 18°29 | 22°10 | 12°50 | 11°46 | 25° 3 | n.a. | S 7 |
| S 8 | 0 0 51 | 28°59'07 | 5♍25 | 14°42 | 17°29 | 12° 6 | 18°35 | 15°37 | 22° 2 | 18°31 | 22°13 | 12°42 | 11°43 | 25°10 | n.a. | S 8 |
| M 9 | 0 4 47 | 0♎ 0'03 | 19° 4 | 16°15 | 18°40 | 12°52 | 18°37 | 15°44 | 22° 5 | 18°33 | 22°15 | 12°31 | 11°40 | 25°17 | n.a. | M 9 |
| T 10 | 0 8 44 | 1° 1'01 | 2♎30 | 17°48 | 19°51 | 13°39 | 18°38 | 15°51 | 22° 9 | 18°34 | 22°17 | 12°19 | 11°37 | 25°23 | n.a. | T 10 |
| W11 | 0 12 40 | 2° 2'00 | 15°40 | 19°21 | 21° 3 | 14°25 | 18°40 | 15°58 | 22°12 | 18°36 | 22°20 | 12° 5 | 11°33 | 25°30 | n.a. | W11 |
| T 12 | 0 16 37 | 3° 3'01 | 28°32 | 20°55 | 22°15 | 15°11 | 18°43 | 16° 5 | 22°16 | 18°38 | 22°22 | 11°52 | 11°30 | 25°37 | n.a. | T 12 |
| F 13 | 0 20 33 | 4° 4'02 | 11♏ 6 | 22°29 | 23°26 | 15°58 | 18°45 | 16°12 | 22°19 | 18°39 | 22°25 | 11°41 | 11°27 | 25°43 | n.a. | F 13 |
| S 14 | 0 24 30 | 5° 5'04 | 23°24 | 24° 3 | 24°38 | 16°44 | 18°48 | 16°19 | 22°23 | 18°41 | 22°27 | 11°32 | 11°24 | 25°50 | n.a. | S 14 |
| S 15 | 0 28 27 | 6° 6'08 | 5♐28 | 25°37 | 25°50 | 17°31 | 18°51 | 16°25 | 22°26 | 18°43 | 22°29 | 11°26 | 11°21 | 25°57 | n.a. | S 15 |
| M16 | 0 32 23 | 7° 7'12 | 17°22 | 27°11 | 27° 2 | 18°17 | 18°54 | 16°32 | 22°30 | 18°45 | 22°32 | 11°23 | 11°18 | 26° 3 | n.a. | M16 |
| T 17 | 0 36 20 | 8° 8'18 | 29°10 | 28°45 | 28°14 | 19° 4 | 18°57 | 16°39 | 22°34 | 18°47 | 22°34 | 11°21 | 11°14 | 26°10 | n.a. | T 17 |
| W18 | 0 40 16 | 9° 9'24 | 10♑58 | 0♎20 | 29°26 | 19°51 | 19° 0 | 16°46 | 22°37 | 18°48 | 22°37 | 11°21 | 11°11 | 26°17 | n.a. | W18 |
| T 19 | 0 44 13 | 10°10'31 | 22°51 | 1°54 | 0♏39 | 20°37 | 19° 4 | 16°52 | 22°41 | 18°50 | 22°39 | 11°21 | 11° 8 | 26°23 | n.a. | T 19 |
| F 20 | 0 48 9 | 11°11'39 | 4♒56 | 3°28 | 1°51 | 21°24 | 19° 8 | 16°59 | 22°44 | 18°52 | 22°41 | 11°19 | 11° 5 | 26°30 | n.a. | F 20 |
| S 21 | 0 52 6 | 12°12'47 | 17°16 | 5° 2 | 3° 4 | 22°11 | 19°12 | 17° 6 | 22°48 | 18°54 | 22°44 | 11°16 | 11° 2 | 26°37 | n.a. | S 21 |
| S 22 | 0 56 2 | 13°13'56 | 29°57 | 6°36 | 4°16 | 22°57 | 19°16 | 17°12 | 22°52 | 18°56 | 22°46 | 11° 9 | 10°58 | 26°43 | n.a. | S 22 |
| M23 | 0 59 59 | 14°15'05 | 13♓ 2 | 8°10 | 5°29 | 23°44 | 19°20 | 17°19 | 22°55 | 18°58 | 22°48 | 11° 0 | 10°55 | 26°50 | n.a. | M23 |
| T 24 | 1 3 56 | 15°16'16 | 26°30 | 9°45 | 6°42 | 24°31 | 19°25 | 17°25 | 22°59 | 19° 0 | 22°51 | 10°49 | 10°52 | 26°56 | n.a. | T 24 |
| W25 | 1 7 52 | 16°17'27 | 10♈20 | 11°19 | 7°54 | 25°18 | 19°30 | 17°32 | 23° 2 | 19° 2 | 22°53 | 10°36 | 10°49 | 27° 3 | n.a. | W25 |
| T 26 | 1 11 49 | 17°18'38 | 24°29 | 12°53 | 9° 7 | 26° 4 | 19°35 | 17°38 | 23° 6 | 19° 4 | 22°55 | 10°23 | 10°46 | 27°10 | n.a. | T 26 |
| F 27 | 1 15 45 | 18°19'51 | 8♉51 | 14°27 | 10°20 | 26°51 | 19°40 | 17°45 | 23°10 | 19° 6 | 22°57 | 10°12 | 10°43 | 27°16 | n.a. | F 27 |
| S 28 | 1 19 42 | 19°21'04 | 23°20 | 16° 1 | 11°33 | 27°38 | 19°45 | 17°51 | 23°13 | 19° 8 | 23° 0 | 10° 3 | 10°39 | 27°23 | n.a. | S 28 |
| S 29 | 1 23 38 | 20°22'18 | 7♊49 | 17°36 | 12°47 | 28°25 | 19°50 | 17°58 | 23°17 | 19°10 | 23° 2 | 9°57 | 10°36 | 27°30 | n.a. | S 29 |
| M30 | 1 27 35 | 21°23'34 | 22°13 | 19°10 | 14° 0 | 29°12 | 19°56 | 18° 4 | 23°21 | 19°12 | 23° 4 | 9°54 | 10°33 | 27°36 | n.a. | M30 |
| T 31 | 1 31 32 | 22♎24'50 | 6♋28 | 20♎44 | 15♍13 | 29♏59 | 20♑ 2 | 18♍10 | 23♎24 | 19♏14 | 23♍ 6 | 9°D53 | 10♋30 | 27♐43 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 3n17 | 16n26 | 3s37 | 12n 8 | 2n10 | 19n 4 | 0n47 | 15s 0 | 1s 2 | 24s 3 | 1s27 | 8n17 | 2n22 | 8s14 | 0n24 | 16s23 | 1n18 | 17n14 | 15n18 | 23n16 | 23n21 | 22s14 | | n.a. | S 1 |
| M 2 | 2 52 | 19 59 | 2 39 | 11 35 | 2 8 | 18 48 | 0 51 | 15 15 | 1 2 | 24 3 | 1 27 | 8 14 | 2 22 | 8 15 | 0 24 | 16 23 | 1 18 | 17 13 | 15 18 | 23 16 | 23 22 | 22 15 | | n.a. | M 2 |
| T 3 | 2 28 | 22 20 | 1 31 | 11 0 | 2 6 | 18 31 | 0 54 | 15 31 | 1 2 | 24 2 | 1 26 | 8 11 | 2 23 | 8 16 | 0 24 | 16 24 | 1 18 | 17 12 | 15 18 | 23 17 | 23 22 | 22 16 | | n.a. | T 3 |
| W 4 | 2 3 | 23 16 | 0 18 | 10 23 | 2 3 | 18 14 | 0 58 | 15 47 | 1 3 | 24 2 | 1 26 | 8 9 | 2 23 | 8 18 | 0 24 | 16 24 | 1 18 | 17 11 | 15 18 | 23 16 | 23 22 | 22 17 | | n.a. | W 4 |
| T 5 | 1 39 | 22 44 | 0n57 | 9 45 | 1 59 | 17 57 | 1 1 | 16 2 | 1 3 | 24 2 | 1 26 | 8 6 | 2 23 | 8 19 | 0 24 | 16 25 | 1 18 | 17 10 | 15 18 | 23 17 | 23 23 | 22 18 | | n.a. | T 5 |
| F 6 | 1 14 | 20 46 | 2 7 | 9 6 | 1 55 | 17 39 | 1 4 | 16 17 | 1 4 | 24 1 | 1 26 | 8 3 | 2 23 | 8 20 | 0 24 | 16 25 | 1 18 | 17 9 | 15 18 | 23 17 | 23 23 | 22 20 | | n.a. | F 6 |
| S 7 | 0 49 | 17 34 | 3 10 | 8 27 | 1 51 | 17 20 | 1 7 | 16 33 | 1 4 | 24 1 | 1 26 | 8 1 | 2 23 | 8 22 | 0 24 | 16 26 | 1 18 | 17 8 | 15 18 | 23 17 | 23 23 | 22 21 | | n.a. | S 7 |
| S 8 | 0 25 | 13 25 | 4 0 | 7 46 | 1 46 | 17 1 | 1 10 | 16 48 | 1 5 | 24 1 | 1 25 | 7 58 | 2 23 | 8 23 | 0 24 | 16 26 | 1 18 | 17 7 | 15 18 | 23 18 | 23 24 | 22 22 | | n.a. | S 8 |
| M 9 | 0s 0 | 8 38 | 4 36 | 7 5 | 1 41 | 16 41 | 1 13 | 17 2 | 1 5 | 24 0 | 1 25 | 7 55 | 2 23 | 8 24 | 0 24 | 16 27 | 1 18 | 17 6 | 15 18 | 23 19 | 23 24 | 22 23 | | n.a. | M 9 |
| T 10 | 0 25 | 3 30 | 4 56 | 6 23 | 1 36 | 16 21 | 1 16 | 17 17 | 1 5 | 24 0 | 1 25 | 7 52 | 2 23 | 8 26 | 0 24 | 16 27 | 1 18 | 17 5 | 15 18 | 23 20 | 23 24 | 22 24 | | n.a. | T 10 |
| W11 | 0 49 | 1s41 | 5 0 | 5 41 | 1 31 | 16 1 | 1 19 | 17 32 | 1 6 | 23 59 | 1 25 | 7 50 | 2 23 | 8 27 | 0 24 | 16 28 | 1 18 | 17 4 | 15 18 | 23 22 | 23 24 | 22 25 | | n.a. | W11 |
| T 12 | 1 14 | 6 41 | 4 48 | 4 58 | 1 25 | 15 39 | 1 21 | 17 46 | 1 6 | 23 59 | 1 25 | 7 47 | 2 23 | 8 28 | 0 24 | 16 28 | 1 18 | 17 3 | 15 18 | 23 23 | 23 25 | 22 26 | | n.a. | T 12 |
| F 13 | 1 39 | 11 19 | 4 22 | 4 15 | 1 19 | 15 18 | 1 24 | 18 0 | 1 6 | 23 58 | 1 24 | 7 44 | 2 23 | 8 30 | 0 24 | 16 29 | 1 18 | 17 2 | 15 18 | 23 24 | 23 25 | 22 27 | | n.a. | F 13 |
| S 14 | 2 4 | 15 22 | 3 45 | 3 31 | 1 13 | 14 56 | 1 26 | 18 14 | 1 7 | 23 58 | 1 24 | 7 42 | 2 23 | 8 31 | 0 24 | 16 29 | 1 18 | 17 1 | 15 18 | 23 25 | 23 25 | 22 28 | | n.a. | S 14 |
| S 15 | 2 28 | 18 44 | 2 58 | 2 48 | 1 7 | 14 33 | 1 29 | 18 28 | 1 7 | 23 57 | 1 24 | 7 39 | 2 23 | 8 32 | 0 24 | 16 30 | 1 18 | 17 0 | 15 19 | 23 25 | 23 25 | 22 29 | | n.a. | S 15 |
| M16 | 2 53 | 21 15 | 2 3 | 2 4 | 1 1 | 14 10 | 1 31 | 18 42 | 1 7 | 23 56 | 1 24 | 7 37 | 2 23 | 8 34 | 0 24 | 16 30 | 1 18 | 16 59 | 15 19 | 23 25 | 23 26 | 22 30 | | n.a. | M16 |
| T 17 | 3 17 | 22 51 | 1 4 | 1 20 | 0 54 | 13 47 | 1 33 | 18 55 | 1 8 | 23 56 | 1 24 | 7 34 | 2 23 | 8 35 | 0 24 | 16 31 | 1 18 | 16 59 | 15 19 | 23 25 | 23 26 | 22 31 | | n.a. | T 17 |
| W18 | 3 42 | 23 25 | 0 2 | 0 36 | 0 48 | 13 23 | 1 35 | 19 9 | 1 8 | 23 55 | 1 23 | 7 31 | 2 24 | 8 36 | 0 24 | 16 31 | 1 18 | 16 58 | 15 19 | 23 25 | 23 26 | 22 32 | | n.a. | W18 |
| T 19 | 4 6 | 22 56 | 1s 1 | 0s 8 | 0 41 | 12 58 | 1 37 | 19 22 | 1 8 | 23 54 | 1 23 | 7 29 | 2 24 | 8 38 | 0 24 | 16 32 | 1 18 | 16 57 | 15 19 | 23 25 | 23 27 | 22 33 | | n.a. | T 19 |
| F 20 | 4 31 | 21 23 | 2 1 | 0 52 | 0 35 | 12 34 | 1 39 | 19 35 | 1 9 | 23 54 | 1 23 | 7 26 | 2 24 | 8 39 | 0 24 | 16 32 | 1 18 | 16 56 | 15 19 | 23 26 | 23 27 | 22 34 | | n.a. | F 20 |
| S 21 | 4 55 | 18 47 | 2 58 | 1 36 | 0 28 | 12 9 | 1 41 | 19 47 | 1 9 | 23 53 | 1 23 | 7 24 | 2 24 | 8 41 | 0 24 | 16 33 | 1 17 | 16 55 | 15 19 | 23 26 | 23 27 | 22 36 | | n.a. | S 21 |
| S 22 | 5 20 | 15 14 | 3 47 | 2 20 | 0 22 | 11 43 | 1 42 | 20 0 | 1 9 | 23 52 | 1 23 | 7 21 | 2 24 | 8 42 | 0 24 | 16 34 | 1 17 | 16 54 | 15 19 | 23 26 | 23 27 | 22 37 | | n.a. | S 22 |
| M23 | 5 44 | 10 52 | 4 26 | 3 4 | 0 15 | 11 18 | 1 44 | 20 12 | 1 9 | 23 51 | 1 22 | 7 19 | 2 24 | 8 43 | 0 24 | 16 34 | 1 17 | 16 53 | 15 19 | 23 27 | 23 28 | 22 38 | | n.a. | M23 |
| T 24 | 6 8 | 5 51 | 4 51 | 3 48 | 0 9 | 10 51 | 1 45 | 20 24 | 1 10 | 23 50 | 1 22 | 7 16 | 2 24 | 8 45 | 0 24 | 16 35 | 1 17 | 16 53 | 15 20 | 23 28 | 23 28 | 22 39 | | n.a. | T 24 |
| W25 | 6 32 | 0 25 | 5 0 | 4 32 | 0 2 | 10 25 | 1 47 | 20 36 | 1 10 | 23 49 | 1 22 | 7 14 | 2 24 | 8 46 | 0 24 | 16 35 | 1 17 | 16 52 | 15 20 | 23 29 | 23 28 | 22 40 | | n.a. | W25 |
| T 26 | 6 56 | 5n10 | 4 51 | 5 15 | 0s 4 | 9 58 | 1 48 | 20 48 | 1 10 | 23 48 | 1 22 | 7 11 | 2 24 | 8 47 | 0 24 | 16 36 | 1 17 | 16 51 | 15 20 | 23 30 | 23 28 | 22 41 | | n.a. | T 26 |
| F 27 | 7 20 | 10 34 | 4 24 | 5 58 | 0 11 | 9 31 | 1 49 | 20 59 | 1 10 | 23 48 | 1 22 | 7 9 | 2 24 | 8 49 | 0 23 | 16 37 | 1 17 | 16 50 | 15 20 | 23 31 | 23 29 | 22 42 | | n.a. | F 27 |
| S 28 | 7 43 | 15 26 | 3 40 | 6 41 | 0 17 | 9 4 | 1 50 | 21 10 | 1 11 | 23 47 | 1 21 | 7 6 | 2 25 | 8 50 | 0 23 | 16 37 | 1 17 | 16 50 | 15 20 | 23 32 | 23 29 | 22 43 | | n.a. | S 28 |
| S 29 | 8 7 | 19 24 | 2 41 | 7 24 | 0 24 | 8 36 | 1 51 | 21 21 | 1 11 | 23 46 | 1 21 | 7 4 | 2 25 | 8 52 | 0 23 | 16 38 | 1 17 | 16 49 | 15 20 | 23 32 | 23 29 | 22 44 | | n.a. | S 29 |
| M30 | 8 30 | 22 9 | 1 32 | 8 7 | 0 30 | 8 8 | 1 52 | 21 32 | 1 11 | 23 44 | 1 21 | 7 1 | 2 25 | 8 53 | 0 23 | 16 38 | 1 17 | 16 48 | 15 21 | 23 33 | 23 29 | 22 45 | | n.a. | M30 |
| T 31 | 8s54 | 23n27 | 0s18 | 8s49 | 0s36 | 7n40 | 1n53 | 21s43 | 1s11 | 23s43 | 1s21 | 6n59 | 2n25 | 8s54 | 0n23 | 16s39 | 1n17 | 16n47 | 15n21 | 23n33 | 23n30 | 22s46 | | n.a. | T 31 |

Julian Day Number = 1003980.5, Delta T = 12h47m51s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'19, Lahiri = -31°02'19 Julian Calendar 1 Oct. 1965 BCE == Greg. Calendar 14 Sept. 1965 BCE

The year -1964 astronomical counting style corresponds to year 1965 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## NOVEMBER 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 35 28 | 23♎26'06 | 20♋34 | 22♎19 | 16♍26 | 0♐46 | 20♑ 8 | 18♍16 | 23♎28 | 19♏16 | 23♍ 9 | 9°R53 | 10♋27 | 27♐50 | n.a. | W 1 |
| T 2 | 1 39 25 | 24°27'24 | 4♌29 | 23°54 | 17°40 | 1°33 | 20°14 | 18°22 | 23°32 | 19°18 | 23°11 | 9♋53 | 10°24 | 27°56 | n.a. | T 2 |
| F 3 | 1 43 21 | 25°28'42 | 18°13 | 25°29 | 18°53 | 2°20 | 20°20 | 18°29 | 23°35 | 19°20 | 23°13 | 9°51 | 10°20 | 28° 3 | n.a. | F 3 |
| S 4 | 1 47 18 | 26°30'01 | 1♍48 | 27° 3 | 20° 7 | 3° 7 | 20°27 | 18°35 | 23°39 | 19°22 | 23°15 | 9°46 | 10°17 | 28°10 | n.a. | S 4 |
| S 5 | 1 51 14 | 27°31'21 | 15°12 | 28°39 | 21°20 | 3°53 | 20°34 | 18°41 | 23°43 | 19°25 | 23°17 | 9°39 | 10°14 | 28°16 | n.a. | S 5 |
| M 6 | 1 55 11 | 28°32'41 | 28°25 | 0♏14 | 22°34 | 4°40 | 20°41 | 18°47 | 23°46 | 19°27 | 23°19 | 9°29 | 10°11 | 28°23 | n.a. | M 6 |
| T 7 | 1 59 7 | 29°34'01 | 11♎27 | 1°49 | 23°48 | 5°27 | 20°48 | 18°53 | 23°50 | 19°29 | 23°21 | 9°16 | 10° 8 | 28°30 | n.a. | T 7 |
| W 8 | 2 3 4 | 0♏35'22 | 24°17 | 3°25 | 25° 1 | 6°15 | 20°55 | 18°59 | 23°54 | 19°31 | 23°23 | 9° 3 | 10° 4 | 28°36 | n.a. | W 8 |
| T 9 | 2 7 1 | 1°36'43 | 6♏54 | 5° 1 | 26°15 | 7° 2 | 21° 2 | 19° 4 | 23°57 | 19°33 | 23°25 | 8°51 | 10° 1 | 28°43 | n.a. | T 9 |
| F 10 | 2 10 57 | 2°38'05 | 19°17 | 6°37 | 27°29 | 7°49 | 21°10 | 19°10 | 24° 1 | 19°35 | 23°27 | 8°40 | 9°58 | 28°50 | n.a. | F 10 |
| S 11 | 2 14 54 | 3°39'26 | 1♐27 | 8°14 | 28°43 | 8°36 | 21°17 | 19°16 | 24° 5 | 19°38 | 23°29 | 8°31 | 9°55 | 28°56 | n.a. | S 11 |
| S 12 | 2 18 50 | 4°40'47 | 13°27 | 9°50 | 29°57 | 9°23 | 21°25 | 19°21 | 24° 8 | 19°40 | 23°31 | 8°25 | 9°52 | 29° 3 | n.a. | S 12 |
| M13 | 2 22 47 | 5°42'08 | 25°18 | 11°27 | 1♎11 | 10°10 | 21°33 | 19°27 | 24°12 | 19°42 | 23°33 | 8°22 | 9°49 | 29° 9 | n.a. | M13 |
| T 14 | 2 26 43 | 6°43'29 | 7♑ 5 | 13° 4 | 2°25 | 10°57 | 21°41 | 19°33 | 24°15 | 19°44 | 23°35 | 8°D21 | 9°45 | 29°16 | n.a. | T 14 |
| W15 | 2 30 40 | 7°44'50 | 18°52 | 14°41 | 3°39 | 11°44 | 21°49 | 19°38 | 24°19 | 19°47 | 23°37 | 8°21 | 9°42 | 29°23 | n.a. | W15 |
| T 16 | 2 34 37 | 8°46'11 | 0♒43 | 16°19 | 4°53 | 12°31 | 21°58 | 19°44 | 24°23 | 19°49 | 23°39 | 8°22 | 9°39 | 29°29 | n.a. | T 16 |
| F 17 | 2 38 33 | 9°47'30 | 12°45 | 17°57 | 6° 7 | 13°18 | 22° 6 | 19°49 | 24°26 | 19°51 | 23°41 | 8°R22 | 9°36 | 29°36 | n.a. | F 17 |
| S 18 | 2 42 30 | 10°48'50 | 25° 3 | 19°35 | 7°21 | 14° 5 | 22°15 | 19°54 | 24°30 | 19°53 | 23°43 | 8°21 | 9°33 | 29°43 | n.a. | S 18 |
| S 19 | 2 46 26 | 11°50'09 | 7♓42 | 21°13 | 8°35 | 14°52 | 22°24 | 19°59 | 24°33 | 19°56 | 23°45 | 8°18 | 9°29 | 29°49 | n.a. | S 19 |
| M20 | 2 50 23 | 12°51'27 | 20°47 | 22°51 | 9°49 | 15°39 | 22°33 | 20° 5 | 24°37 | 19°58 | 23°46 | 8°12 | 9°26 | 29°56 | n.a. | M20 |
| T 21 | 2 54 19 | 13°52'45 | 4♈18 | 24°29 | 11° 3 | 16°26 | 22°42 | 20°10 | 24°40 | 20° 0 | 23°48 | 8° 4 | 9°23 | 0♑ 3 | n.a. | T 21 |
| W22 | 2 58 16 | 14°54'02 | 18°17 | 26° 8 | 12°18 | 17°13 | 22°51 | 20°15 | 24°44 | 20° 2 | 23°50 | 7°56 | 9°20 | 0° 9 | n.a. | W22 |
| T 23 | 3 2 12 | 15°55'19 | 2♉40 | 27°46 | 13°32 | 18° 0 | 23° 0 | 20°20 | 24°47 | 20° 5 | 23°52 | 7°47 | 9°17 | 0°16 | n.a. | T 23 |
| F 24 | 3 6 9 | 16°56'35 | 17°22 | 29°24 | 14°46 | 18°47 | 23°10 | 20°25 | 24°51 | 20° 7 | 23°53 | 7°38 | 9°14 | 0°23 | n.a. | F 24 |
| S 25 | 3 10 6 | 17°57'51 | 2♊16 | 1♐ 1 | 16° 0 | 19°34 | 23°20 | 20°29 | 24°54 | 20° 9 | 23°55 | 7°32 | 9°10 | 0°29 | n.a. | S 25 |
| S 26 | 3 14 2 | 18°59'07 | 17°11 | 2°39 | 17°15 | 20°21 | 23°29 | 20°34 | 24°58 | 20°11 | 23°57 | 7°28 | 9° 7 | 0°36 | n.a. | S 26 |
| M27 | 3 17 59 | 20° 0'22 | 2♋ 1 | 4°15 | 18°29 | 21° 8 | 23°39 | 20°39 | 25° 1 | 20°14 | 23°58 | 7°D26 | 9° 4 | 0°43 | n.a. | M27 |
| T 28 | 3 21 55 | 21° 1'37 | 16°38 | 5°51 | 19°43 | 21°55 | 23°49 | 20°44 | 25° 4 | 20°16 | 24° 0 | 7°26 | 9° 1 | 0°49 | n.a. | T 28 |
| W29 | 3 25 52 | 22° 2'52 | 0♌59 | 7°26 | 20°58 | 22°42 | 23°59 | 20°48 | 25° 8 | 20°18 | 24° 1 | 7°28 | 8°58 | 0°56 | n.a. | W29 |
| T 30 | 3 29 48 | 23♏ 4'06 | 15♌ 2 | 9♐ 0 | 22♎12 | 23♐29 | 24♑ 9 | 20♍53 | 25♎11 | 20♏21 | 24♍ 3 | 7♋29 | 8♋55 | 1♑ 2 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 9s17 | 23n14 | 0n56 | 9s30 | 0s42 | 7n12 | 1n53 | 21s53 | 1s11 | 23s42 | 1s21 | 6n57 | 2n25 | 8s56 | 0n23 | 16s40 | 1n17 | 16n47 | 15n21 | 23n33 | 23n30 | 22s47 | | n.a. |
| T 2 | 9 40 | 21 34 | 2 6 | 10 12 | 0 48 | 6 43 | 1 54 | 22 3 | 1 12 | 23 41 | 1 20 | 6 54 | 2 25 | 8 57 | 0 23 | 16 40 | 1 17 | 16 46 | 15 21 | 23 33 | 23 30 | 22 47 | | n.a. |
| F 3 | 10 3 | 18 39 | 3 8 | 10 53 | 0 54 | 6 14 | 1 55 | 22 13 | 1 12 | 23 40 | 1 20 | 6 52 | 2 25 | 8 59 | 0 23 | 16 41 | 1 17 | 16 45 | 15 21 | 23 33 | 23 30 | 22 48 | | n.a. |
| S 4 | 10 25 | 14 45 | 3 59 | 11 33 | 1 0 | 5 45 | 1 55 | 22 23 | 1 12 | 23 39 | 1 20 | 6 50 | 2 26 | 9 0 | 0 23 | 16 41 | 1 17 | 16 45 | 15 22 | 23 33 | 23 31 | 22 49 | | n.a. |
| S 5 | 10 48 | 10 9 | 4 35 | 12 13 | 1 5 | 5 16 | 1 55 | 22 32 | 1 12 | 23 38 | 1 20 | 6 47 | 2 26 | 9 1 | 0 23 | 16 42 | 1 17 | 16 44 | 15 22 | 23 34 | 23 31 | 22 50 | | n.a. |
| M 6 | 11 10 | 5 9 | 4 56 | 12 53 | 1 11 | 4 46 | 1 55 | 22 41 | 1 12 | 23 36 | 1 20 | 6 45 | 2 26 | 9 3 | 0 23 | 16 43 | 1 17 | 16 43 | 15 22 | 23 34 | 23 31 | 22 51 | | n.a. |
| T 7 | 11 32 | 0s 0 | 5 2 | 13 32 | 1 16 | 4 16 | 1 56 | 22 50 | 1 12 | 23 35 | 1 20 | 6 43 | 2 26 | 9 4 | 0 23 | 16 43 | 1 17 | 16 43 | 15 22 | 23 35 | 23 31 | 22 52 | | n.a. |
| W 8 | 11 54 | 5 6 | 4 51 | 14 10 | 1 21 | 3 47 | 1 56 | 22 58 | 1 13 | 23 34 | 1 19 | 6 41 | 2 26 | 9 5 | 0 23 | 16 44 | 1 17 | 16 42 | 15 23 | 23 36 | 23 32 | 22 53 | | n.a. |
| T 9 | 12 16 | 9 53 | 4 27 | 14 48 | 1 26 | 3 17 | 1 56 | 23 7 | 1 13 | 23 32 | 1 19 | 6 39 | 2 26 | 9 7 | 0 23 | 16 44 | 1 17 | 16 42 | 15 23 | 23 37 | 23 32 | 22 54 | | n.a. |
| F 10 | 12 38 | 14 12 | 3 50 | 15 25 | 1 31 | 2 47 | 1 55 | 23 15 | 1 13 | 23 31 | 1 19 | 6 36 | 2 26 | 9 8 | 0 23 | 16 45 | 1 17 | 16 41 | 15 23 | 23 38 | 23 32 | 22 55 | | n.a. |
| S 11 | 12 59 | 17 52 | 3 3 | 16 2 | 1 35 | 2 17 | 1 55 | 23 23 | 1 13 | 23 30 | 1 19 | 6 34 | 2 27 | 9 10 | 0 23 | 16 46 | 1 17 | 16 41 | 15 24 | 23 38 | 23 32 | 22 56 | | n.a. |
| S 12 | 13 20 | 20 44 | 2 9 | 16 38 | 1 40 | 1 46 | 1 55 | 23 30 | 1 13 | 23 28 | 1 19 | 6 32 | 2 27 | 9 11 | 0 23 | 16 46 | 1 17 | 16 40 | 15 24 | 23 39 | 23 33 | 22 57 | | n.a. |
| M13 | 13 41 | 22 41 | 1 9 | 17 12 | 1 44 | 1 16 | 1 54 | 23 38 | 1 13 | 23 27 | 1 18 | 6 30 | 2 27 | 9 12 | 0 23 | 16 47 | 1 17 | 16 39 | 15 24 | 23 39 | 23 33 | 22 58 | | n.a. |
| T 14 | 14 2 | 23 37 | 0 7 | 17 47 | 1 47 | 0 46 | 1 54 | 23 45 | 1 13 | 23 25 | 1 18 | 6 28 | 2 27 | 9 14 | 0 23 | 16 48 | 1 17 | 16 39 | 15 24 | 23 39 | 23 33 | 22 59 | | n.a. |
| W15 | 14 22 | 23 29 | 0s56 | 18 20 | 1 51 | 0 15 | 1 53 | 23 51 | 1 13 | 23 24 | 1 18 | 6 26 | 2 27 | 9 15 | 0 23 | 16 48 | 1 17 | 16 38 | 15 25 | 23 39 | 23 33 | 23 0 | | n.a. |
| T 16 | 14 42 | 22 18 | 1 57 | 18 52 | 1 54 | 0s15 | 1 53 | 23 58 | 1 13 | 23 22 | 1 18 | 6 24 | 2 28 | 9 16 | 0 23 | 16 49 | 1 17 | 16 38 | 15 25 | 23 39 | 23 34 | 23 1 | | n.a. |
| F 17 | 15 2 | 20 5 | 2 54 | 19 23 | 1 57 | 0 46 | 1 52 | 24 4 | 1 13 | 23 21 | 1 18 | 6 22 | 2 28 | 9 18 | 0 23 | 16 49 | 1 17 | 16 38 | 15 25 | 23 39 | 23 34 | 23 1 | | n.a. |
| S 18 | 15 22 | 16 56 | 3 44 | 19 53 | 1 59 | 1 17 | 1 51 | 24 10 | 1 13 | 23 19 | 1 18 | 6 20 | 2 28 | 9 19 | 0 23 | 16 50 | 1 17 | 16 37 | 15 26 | 23 39 | 23 34 | 23 2 | | n.a. |
| S 19 | 15 41 | 12 55 | 4 24 | 20 22 | 2 1 | 1 47 | 1 50 | 24 15 | 1 13 | 23 17 | 1 18 | 6 18 | 2 28 | 9 20 | 0 23 | 16 51 | 1 17 | 16 37 | 15 26 | 23 39 | 23 34 | 23 3 | | n.a. |
| M20 | 16 1 | 8 11 | 4 53 | 20 50 | 2 3 | 2 18 | 1 49 | 24 21 | 1 14 | 23 16 | 1 17 | 6 16 | 2 28 | 9 22 | 0 23 | 16 51 | 1 17 | 16 36 | 15 26 | 23 40 | 23 35 | 23 4 | | n.a. |
| T 21 | 16 19 | 2 55 | 5 6 | 21 17 | 2 4 | 2 48 | 1 48 | 24 26 | 1 14 | 23 14 | 1 17 | 6 14 | 2 28 | 9 23 | 0 23 | 16 52 | 1 17 | 16 36 | 15 27 | 23 40 | 23 35 | 23 5 | | n.a. |
| W22 | 16 38 | 2n40 | 5 1 | 21 42 | 2 5 | 3 19 | 1 47 | 24 31 | 1 14 | 23 12 | 1 17 | 6 13 | 2 29 | 9 24 | 0 23 | 16 53 | 1 17 | 16 35 | 15 27 | 23 41 | 23 35 | 23 6 | | n.a. |
| T 23 | 16 56 | 8 18 | 4 38 | 22 6 | 2 6 | 3 49 | 1 46 | 24 35 | 1 14 | 23 11 | 1 17 | 6 11 | 2 29 | 9 26 | 0 23 | 16 53 | 1 17 | 16 35 | 15 27 | 23 41 | 23 35 | 23 7 | | n.a. |
| F 24 | 17 14 | 13 35 | 3 56 | 22 28 | 2 5 | 4 20 | 1 45 | 24 39 | 1 14 | 23 9 | 1 17 | 6 9 | 2 29 | 9 27 | 0 23 | 16 54 | 1 17 | 16 35 | 15 28 | 23 42 | 23 36 | 23 8 | | n.a. |
| S 25 | 17 32 | 18 7 | 2 58 | 22 48 | 2 5 | 4 50 | 1 43 | 24 43 | 1 14 | 23 7 | 1 17 | 6 7 | 2 29 | 9 28 | 0 23 | 16 54 | 1 17 | 16 34 | 15 28 | 23 42 | 23 36 | 23 8 | | n.a. |
| S 26 | 17 49 | 21 31 | 1 47 | 23 7 | 2 3 | 5 20 | 1 42 | 24 47 | 1 14 | 23 5 | 1 16 | 6 5 | 2 29 | 9 29 | 0 23 | 16 55 | 1 17 | 16 34 | 15 29 | 23 42 | 23 36 | 23 9 | | n.a. |
| M27 | 18 6 | 23 25 | 0 29 | 23 24 | 2 1 | 5 50 | 1 41 | 24 50 | 1 14 | 23 3 | 1 16 | 6 4 | 2 30 | 9 31 | 0 23 | 16 56 | 1 17 | 16 34 | 15 29 | 23 42 | 23 36 | 23 10 | | n.a. |
| T 28 | 18 22 | 23 41 | 0n50 | 23 40 | 1 59 | 6 20 | 1 39 | 24 53 | 1 13 | 23 1 | 1 16 | 6 2 | 2 30 | 9 32 | 0 23 | 16 56 | 1 17 | 16 33 | 15 29 | 23 42 | 23 36 | 23 11 | | n.a. |
| W29 | 18 39 | 22 21 | 2 4 | 23 53 | 1 55 | 6 50 | 1 38 | 24 56 | 1 13 | 22 59 | 1 16 | 6 0 | 2 30 | 9 33 | 0 23 | 16 57 | 1 17 | 16 33 | 15 30 | 23 42 | 23 37 | 23 12 | | n.a. |
| T 30 | 18s55 | 19n40 | 3n 9 | 24s 4 | 1s51 | 7s20 | 1n36 | 24s59 | 1s13 | 22s57 | 1s16 | 5n59 | 2n30 | 9s34 | 0n23 | 16s58 | 1n17 | 16n33 | 15n30 | 23n42 | 23n37 | 23s13 | | n.a. |

Julian Day Number = 1004011.5, Delta T = 12h47m49s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'15, Lahiri = -31°02'15 Julian Calendar 1 Nov. 1965 BCE == Greg. Calendar 15 Oct. 1965 BCE

The year -1964 astronomical counting style corresponds to year 1965 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1965 BCE
# geocentric

## DECEMBER 1965 BCE (-1964) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 33 45 | 24♏ 5'19 | 28♌46 | 10♐32 | 23♎26 | 24♐16 | 24♑20 | 20♍57 | 25♎15 | 20♏23 | 24♍ 4 | 7°R29 | 8♋51 | 1♑ 9 | n.a. | F 1 |
| S 2 | 3 37 42 | 25° 6'32 | 12♍12 | 12° 2 | 24°41 | 25° 3 | 24°30 | 21° 1 | 25°18 | 20°25 | 24° 6 | 7♋27 | 8°48 | 1°16 | n.a. | S 2 |
| S 3 | 3 41 38 | 26° 7'45 | 25°21 | 13°29 | 25°55 | 25°50 | 24°41 | 21° 5 | 25°21 | 20°27 | 24° 7 | 7°24 | 8°45 | 1°22 | n.a. | S 3 |
| M 4 | 3 45 35 | 27° 8'57 | 8♎16 | 14°54 | 27°10 | 26°37 | 24°52 | 21°10 | 25°24 | 20°30 | 24° 9 | 7°19 | 8°42 | 1°29 | n.a. | M 4 |
| T 5 | 3 49 31 | 28°10'09 | 20°58 | 16°15 | 28°24 | 27°24 | 25° 2 | 21°14 | 25°28 | 20°32 | 24°10 | 7°12 | 8°39 | 1°36 | n.a. | T 5 |
| W 6 | 3 53 28 | 29°11'19 | 3♏28 | 17°32 | 29°38 | 28°11 | 25°13 | 21°18 | 25°31 | 20°34 | 24°11 | 7° 5 | 8°35 | 1°42 | n.a. | W 6 |
| T 7 | 3 57 24 | 0♐12'29 | 15°47 | 18°44 | 0♏53 | 28°58 | 25°24 | 21°22 | 25°34 | 20°36 | 24°13 | 6°58 | 8°32 | 1°49 | n.a. | T 7 |
| F 8 | 4 1 21 | 1°13'38 | 27°56 | 19°50 | 2° 7 | 29°44 | 25°35 | 21°25 | 25°37 | 20°39 | 24°14 | 6°51 | 8°29 | 1°56 | n.a. | F 8 |
| S 9 | 4 5 18 | 2°14'46 | 9♐56 | 20°51 | 3°22 | 0♑31 | 25°47 | 21°29 | 25°40 | 20°41 | 24°15 | 6°46 | 8°26 | 2° 2 | n.a. | S 9 |
| S 10 | 4 9 14 | 3°15'53 | 21°50 | 21°44 | 4°36 | 1°18 | 25°58 | 21°33 | 25°43 | 20°43 | 24°16 | 6°43 | 8°23 | 2° 9 | n.a. | S 10 |
| M11 | 4 13 11 | 4°16'59 | 3♑38 | 22°29 | 5°51 | 2° 5 | 26° 9 | 21°36 | 25°47 | 20°45 | 24°17 | 6°D42 | 8°20 | 2°16 | n.a. | M11 |
| T 12 | 4 17 7 | 5°18'04 | 15°24 | 23° 5 | 7° 5 | 2°52 | 26°21 | 21°40 | 25°50 | 20°48 | 24°19 | 6°43 | 8°16 | 2°22 | n.a. | T 12 |
| W13 | 4 21 4 | 6°19'07 | 27°11 | 23°31 | 8°20 | 3°39 | 26°32 | 21°43 | 25°53 | 20°50 | 24°20 | 6°44 | 8°13 | 2°29 | n.a. | W13 |
| T 14 | 4 25 0 | 7°20'09 | 9♒ 3 | 23°48 | 9°34 | 4°25 | 26°44 | 21°47 | 25°56 | 20°52 | 24°21 | 6°46 | 8°10 | 2°36 | n.a. | T 14 |
| F 15 | 4 28 57 | 8°21'09 | 21° 5 | 23°R53 | 10°48 | 5°12 | 26°56 | 21°50 | 25°59 | 20°54 | 24°22 | 6°48 | 8° 7 | 2°42 | n.a. | F 15 |
| S 16 | 4 32 53 | 9°22'08 | 3♓20 | 23°47 | 12° 3 | 5°59 | 27° 8 | 21°53 | 26° 1 | 20°56 | 24°23 | 6°49 | 8° 4 | 2°49 | n.a. | S 16 |
| S 17 | 4 36 50 | 10°23'06 | 15°54 | 23°30 | 13°17 | 6°45 | 27°20 | 21°56 | 26° 4 | 20°59 | 24°24 | 6°R49 | 8° 1 | 2°55 | n.a. | S 17 |
| M18 | 4 40 47 | 11°24'01 | 28°52 | 23° 1 | 14°32 | 7°32 | 27°32 | 21°59 | 26° 7 | 21° 1 | 24°25 | 6°48 | 7°57 | 3° 2 | n.a. | M18 |
| T 19 | 4 44 43 | 12°24'55 | 12♈17 | 22°23 | 15°46 | 8°19 | 27°44 | 22° 2 | 26°10 | 21° 3 | 24°26 | 6°45 | 7°54 | 3° 9 | n.a. | T 19 |
| W20 | 4 48 40 | 13°25'47 | 26°10 | 21°34 | 17° 1 | 9° 5 | 27°56 | 22° 5 | 26°13 | 21° 5 | 24°26 | 6°42 | 7°51 | 3°15 | n.a. | W20 |
| T 21 | 4 52 36 | 14°26'38 | 10♉30 | 20°37 | 18°15 | 9°52 | 28° 8 | 22° 7 | 26°16 | 21° 7 | 24°27 | 6°39 | 7°48 | 3°22 | n.a. | T 21 |
| F 22 | 4 56 33 | 15°27'27 | 25°15 | 19°34 | 19°29 | 10°38 | 28°21 | 22°10 | 26°18 | 21° 9 | 24°28 | 6°36 | 7°45 | 3°29 | n.a. | F 22 |
| S 23 | 5 0 29 | 16°28'15 | 10♊17 | 18°26 | 20°44 | 11°25 | 28°33 | 22°12 | 26°21 | 21°11 | 24°29 | 6°34 | 7°41 | 3°35 | n.a. | S 23 |
| S 24 | 5 4 26 | 17°29'01 | 25°28 | 17°15 | 21°58 | 12°11 | 28°46 | 22°15 | 26°24 | 21°14 | 24°30 | 6°32 | 7°38 | 3°42 | n.a. | S 24 |
| M25 | 5 8 23 | 18°29'45 | 10♋39 | 16° 3 | 23°13 | 12°58 | 28°58 | 22°17 | 26°26 | 21°16 | 24°30 | 6°D32 | 7°35 | 3°49 | n.a. | M25 |
| T 26 | 5 12 19 | 19°30'29 | 25°39 | 14°52 | 24°27 | 13°44 | 29°11 | 22°19 | 26°29 | 21°18 | 24°31 | 6°33 | 7°32 | 3°55 | n.a. | T 26 |
| W27 | 5 16 16 | 20°31'10 | 10♌21 | 13°44 | 25°42 | 14°31 | 29°24 | 22°21 | 26°31 | 21°20 | 24°32 | 6°34 | 7°29 | 4° 2 | n.a. | W27 |
| T 28 | 5 20 12 | 21°31'51 | 24°41 | 12°41 | 26°56 | 15°17 | 29°37 | 22°23 | 26°34 | 21°22 | 24°32 | 6°35 | 7°26 | 4° 9 | n.a. | T 28 |
| F 29 | 5 24 9 | 22°32'29 | 8♍36 | 11°43 | 28°10 | 16° 3 | 29°50 | 22°25 | 26°36 | 21°24 | 24°33 | 6°36 | 7°22 | 4°15 | n.a. | F 29 |
| S 30 | 5 28 5 | 23°33'07 | 22° 7 | 10°52 | 29°25 | 16°50 | 0♒ 2 | 22°27 | 26°39 | 21°26 | 24°33 | 6°R36 | 7°19 | 4°22 | n.a. | S 30 |
| S 31 | 5 32 2 | 24♐33'43 | 5♎15 | 10♐ 8 | 0♐39 | 17♑36 | 0♒15 | 22♍29 | 26♎41 | 21♏28 | 24♍34 | 6♋36 | 7♋16 | 4♑29 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 19s10 | 15n55 | 4n 2 | 24s14 | 1s46 | 7s50 | 1n34 | 25s 1 | 1s13 | 22s55 | 1s16 | 5n57 | 2n31 | 9s36 | 0n23 | 16s58 | 1n17 | 16n33 | 15n31 | 23n42 | 23n37 | 23s13 | | n.a. |
| S 2 | 19 25 | 11 26 | 4 41 | 24 21 | 1 41 | 8 19 | 1 32 | 25 3 | 1 13 | 22 53 | 1 16 | 5 56 | 2 31 | 9 37 | 0 23 | 16 59 | 1 17 | 16 33 | 15 31 | 23 42 | 23 37 | 23 14 | | n.a. |
| S 3 | 19 40 | 6 30 | 5 3 | 24 26 | 1 34 | 8 48 | 1 31 | 25 4 | 1 13 | 22 51 | 1 15 | 5 54 | 2 31 | 9 38 | 0 23 | 16 59 | 1 17 | 16 32 | 15 31 | 23 43 | 23 37 | 23 15 | | n.a. |
| M 4 | 19 55 | 1 23 | 5 10 | 24 29 | 1 26 | 9 17 | 1 29 | 25 6 | 1 13 | 22 49 | 1 15 | 5 53 | 2 31 | 9 39 | 0 23 | 17 0 | 1 17 | 16 32 | 15 32 | 23 43 | 23 38 | 23 16 | | n.a. |
| T 5 | 20 9 | 3s42 | 5 1 | 24 29 | 1 18 | 9 46 | 1 27 | 25 7 | 1 13 | 22 47 | 1 15 | 5 51 | 2 31 | 9 41 | 0 23 | 17 1 | 1 17 | 16 32 | 15 32 | 23 43 | 23 38 | 23 17 | | n.a. |
| W 6 | 20 23 | 8 34 | 4 38 | 24 27 | 1 8 | 10 15 | 1 25 | 25 7 | 1 13 | 22 45 | 1 15 | 5 50 | 2 32 | 9 42 | 0 23 | 17 1 | 1 17 | 16 32 | 15 33 | 23 44 | 23 38 | 23 17 | | n.a. |
| T 7 | 20 36 | 13 2 | 4 2 | 24 23 | 0 58 | 10 43 | 1 23 | 25 8 | 1 13 | 22 43 | 1 15 | 5 49 | 2 32 | 9 43 | 0 23 | 17 2 | 1 17 | 16 32 | 15 33 | 23 44 | 23 38 | 23 18 | | n.a. |
| F 8 | 20 49 | 16 55 | 3 16 | 24 17 | 0 46 | 11 11 | 1 21 | 25 8 | 1 13 | 22 40 | 1 15 | 5 47 | 2 32 | 9 44 | 0 23 | 17 3 | 1 17 | 16 32 | 15 34 | 23 44 | 23 39 | 23 19 | | n.a. |
| S 9 | 21 2 | 20 4 | 2 21 | 24 9 | 0 33 | 11 39 | 1 19 | 25 8 | 1 13 | 22 38 | 1 15 | 5 46 | 2 32 | 9 45 | 0 23 | 17 3 | 1 17 | 16 31 | 15 34 | 23 45 | 23 39 | 23 20 | | n.a. |
| S 10 | 21 14 | 22 19 | 1 21 | 23 58 | 0 19 | 12 7 | 1 16 | 25 7 | 1 13 | 22 36 | 1 15 | 5 45 | 2 33 | 9 46 | 0 23 | 17 4 | 1 17 | 16 31 | 15 34 | 23 45 | 23 39 | 23 21 | | n.a. |
| M11 | 21 26 | 23 35 | 0 17 | 23 46 | 0 4 | 12 34 | 1 14 | 25 7 | 1 12 | 22 34 | 1 14 | 5 44 | 2 33 | 9 48 | 0 23 | 17 4 | 1 17 | 16 31 | 15 35 | 23 45 | 23 39 | 23 21 | | n.a. |
| T 12 | 21 37 | 23 48 | 0s48 | 23 32 | 0n12 | 13 1 | 1 12 | 25 6 | 1 12 | 22 31 | 1 14 | 5 42 | 2 33 | 9 49 | 0 23 | 17 5 | 1 17 | 16 31 | 15 35 | 23 45 | 23 39 | 23 22 | | n.a. |
| W13 | 21 48 | 22 56 | 1 50 | 23 17 | 0 29 | 13 28 | 1 10 | 25 4 | 1 12 | 22 29 | 1 14 | 5 41 | 2 33 | 9 50 | 0 23 | 17 6 | 1 17 | 16 31 | 15 36 | 23 45 | 23 40 | 23 23 | | n.a. |
| T 14 | 21 58 | 21 3 | 2 49 | 23 0 | 0 47 | 13 54 | 1 7 | 25 3 | 1 12 | 22 27 | 1 14 | 5 40 | 2 34 | 9 51 | 0 23 | 17 6 | 1 17 | 16 31 | 15 36 | 23 45 | 23 40 | 23 24 | | n.a. |
| F 15 | 22 8 | 18 13 | 3 40 | 22 42 | 1 5 | 14 20 | 1 5 | 25 1 | 1 12 | 22 24 | 1 14 | 5 39 | 2 34 | 9 52 | 0 23 | 17 7 | 1 17 | 16 31 | 15 37 | 23 45 | 23 40 | 23 24 | | n.a. |
| S 16 | 22 18 | 14 33 | 4 23 | 22 23 | 1 23 | 14 46 | 1 3 | 24 59 | 1 12 | 22 22 | 1 14 | 5 38 | 2 34 | 9 53 | 0 23 | 17 7 | 1 17 | 16 31 | 15 37 | 23 44 | 23 40 | 23 25 | | n.a. |
| S 17 | 22 27 | 10 10 | 4 54 | 22 3 | 1 42 | 15 11 | 1 0 | 24 56 | 1 12 | 22 19 | 1 14 | 5 37 | 2 34 | 9 54 | 0 23 | 17 8 | 1 17 | 16 31 | 15 38 | 23 44 | 23 40 | 23 26 | | n.a. |
| M18 | 22 36 | 5 13 | 5 12 | 21 43 | 2 1 | 15 36 | 0 58 | 24 53 | 1 11 | 22 17 | 1 14 | 5 36 | 2 35 | 9 55 | 0 23 | 17 8 | 1 17 | 16 31 | 15 38 | 23 45 | 23 41 | 23 27 | | n.a. |
| T 19 | 22 44 | 0n 9 | 5 14 | 21 23 | 2 19 | 16 1 | 0 55 | 24 50 | 1 11 | 22 14 | 1 14 | 5 35 | 2 35 | 9 56 | 0 23 | 17 9 | 1 17 | 16 31 | 15 39 | 23 45 | 23 41 | 23 27 | | n.a. |
| W20 | 22 52 | 5 41 | 4 57 | 21 3 | 2 36 | 16 25 | 0 53 | 24 47 | 1 11 | 22 11 | 1 14 | 5 34 | 2 35 | 9 57 | 0 23 | 17 10 | 1 17 | 16 31 | 15 39 | 23 45 | 23 41 | 23 28 | | n.a. |
| T 21 | 23 0 | 11 8 | 4 22 | 20 44 | 2 52 | 16 48 | 0 50 | 24 43 | 1 11 | 22 9 | 1 13 | 5 33 | 2 35 | 9 58 | 0 23 | 17 10 | 1 17 | 16 32 | 15 40 | 23 45 | 23 41 | 23 29 | | n.a. |
| F 22 | 23 6 | 16 5 | 3 29 | 20 25 | 3 6 | 17 12 | 0 48 | 24 39 | 1 11 | 22 6 | 1 13 | 5 33 | 2 36 | 9 59 | 0 23 | 17 11 | 1 17 | 16 32 | 15 40 | 23 45 | 23 41 | 23 29 | | n.a. |
| S 23 | 23 13 | 20 8 | 2 20 | 20 7 | 3 18 | 17 34 | 0 45 | 24 35 | 1 10 | 22 3 | 1 13 | 5 32 | 2 36 | 10 0 | 0 23 | 17 11 | 1 17 | 16 32 | 15 40 | 23 45 | 23 41 | 23 30 | | n.a. |
| S 24 | 23 19 | 22 50 | 1 1 | 19 50 | 3 29 | 17 57 | 0 42 | 24 31 | 1 10 | 22 1 | 1 13 | 5 31 | 2 36 | 10 1 | 0 23 | 17 12 | 1 17 | 16 32 | 15 41 | 23 45 | 23 42 | 23 31 | | n.a. |
| M25 | 23 25 | 23 52 | 0n23 | 19 35 | 3 37 | 18 18 | 0 40 | 24 26 | 1 10 | 21 58 | 1 13 | 5 30 | 2 36 | 10 2 | 0 23 | 17 12 | 1 17 | 16 32 | 15 41 | 23 45 | 23 42 | 23 31 | | n.a. |
| T 26 | 23 30 | 23 8 | 1 44 | 19 22 | 3 42 | 18 40 | 0 37 | 24 21 | 1 10 | 21 55 | 1 13 | 5 30 | 2 37 | 10 3 | 0 23 | 17 13 | 1 17 | 16 32 | 15 42 | 23 45 | 23 42 | 23 32 | | n.a. |
| W27 | 23 34 | 20 50 | 2 57 | 19 11 | 3 45 | 19 0 | 0 35 | 24 16 | 1 9 | 21 52 | 1 13 | 5 29 | 2 37 | 10 4 | 0 23 | 17 13 | 1 17 | 16 32 | 15 42 | 23 45 | 23 42 | 23 33 | | n.a. |
| T 28 | 23 39 | 17 15 | 3 56 | 19 2 | 3 47 | 19 21 | 0 32 | 24 10 | 1 9 | 21 50 | 1 13 | 5 29 | 2 37 | 10 5 | 0 23 | 17 14 | 1 17 | 16 33 | 15 43 | 23 45 | 23 42 | 23 33 | | n.a. |
| F 29 | 23 42 | 12 49 | 4 40 | 18 55 | 3 45 | 19 41 | 0 29 | 24 4 | 1 9 | 21 47 | 1 13 | 5 28 | 2 38 | 10 6 | 0 24 | 17 15 | 1 17 | 16 33 | 15 43 | 23 45 | 23 43 | 23 34 | | n.a. |
| S 30 | 23 46 | 7 52 | 5 7 | 18 51 | 3 42 | 20 0 | 0 27 | 23 58 | 1 9 | 21 44 | 1 13 | 5 28 | 2 38 | 10 7 | 0 24 | 17 15 | 1 17 | 16 33 | 15 44 | 23 45 | 23 43 | 23 35 | | n.a. |
| S 31 | 23s48 | 2n43 | 5n17 | 18s50 | 3n38 | 20s18 | 0n24 | 23s52 | 1s 8 | 21s41 | 1s13 | 5n27 | 2n38 | 10s 8 | 0n24 | 17s16 | 1n17 | 16n33 | 15n44 | 23n45 | 23n43 | 23s35 | | n.a. |

Julian Day Number = 1004041.5, Delta T = 12h47m47s
Ecliptic obliquity = 23°55'12, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'11, Lahiri = -31°02'11 Julian Calendar 1 Dec. 1965 BCE == Greg. Calendar 14 Nov. 1965 BCE

The year -1964 astronomical counting style corresponds to year 1965 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## JANUARY 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 35 58 | 25♐34'17 | 18♎ 2 | 9°R32 | 1♐54 | 18♑22 | 0♒29 | 22♍30 | 26♎43 | 21♏30 | 24♍34 | 6°R35 | 7♋13 | 4♑35 | n.a. | M 1 |
| T 2 | 5 39 55 | 26°34'50 | 0♏33 | 9♐ 4 | 3° 8 | 19° 8 | 0°42 | 22°32 | 26°46 | 21°32 | 24°35 | 6♋34 | 7°10 | 4°42 | n.a. | T 2 |
| W 3 | 5 43 52 | 27°35'22 | 12°49 | 8°43 | 4°22 | 19°55 | 0°55 | 22°33 | 26°48 | 21°34 | 24°35 | 6°33 | 7° 7 | 4°48 | n.a. | W 3 |
| T 4 | 5 47 48 | 28°35'52 | 24°55 | 8°30 | 5°37 | 20°41 | 1° 8 | 22°35 | 26°50 | 21°36 | 24°35 | 6°32 | 7° 3 | 4°55 | n.a. | T 4 |
| F 5 | 5 51 45 | 29°36'20 | 6♐52 | 8°D25 | 6°51 | 21°27 | 1°21 | 22°36 | 26°52 | 21°37 | 24°36 | 6°31 | 7° 0 | 5° 2 | n.a. | F 5 |
| S 6 | 5 55 41 | 0♑36'47 | 18°44 | 8°26 | 8° 6 | 22°13 | 1°35 | 22°37 | 26°54 | 21°39 | 24°36 | 6°30 | 6°57 | 5° 8 | n.a. | S 6 |
| S 7 | 5 59 38 | 1°37'11 | 0♑32 | 8°34 | 9°20 | 22°59 | 1°48 | 22°38 | 26°56 | 21°41 | 24°36 | 6°30 | 6°54 | 5°15 | n.a. | S 7 |
| M 8 | 6 3 34 | 2°37'34 | 12°19 | 8°48 | 10°34 | 23°45 | 2° 2 | 22°39 | 26°58 | 21°43 | 24°36 | 6°D30 | 6°51 | 5°22 | n.a. | M 8 |
| T 9 | 6 7 31 | 3°37'55 | 24° 7 | 9° 8 | 11°49 | 24°31 | 2°15 | 22°40 | 27° 0 | 21°45 | 24°36 | 6°30 | 6°47 | 5°28 | n.a. | T 9 |
| W10 | 6 11 27 | 4°38'14 | 5♒58 | 9°34 | 13° 3 | 25°17 | 2°29 | 22°41 | 27° 2 | 21°47 | 24°36 | 6°30 | 6°44 | 5°35 | n.a. | W10 |
| T 11 | 6 15 24 | 5°38'31 | 17°55 | 10° 4 | 14°17 | 26° 3 | 2°42 | 22°41 | 27° 4 | 21°49 | 24°37 | 6°30 | 6°41 | 5°42 | n.a. | T 11 |
| F 12 | 6 19 21 | 6°38'45 | 0♓ 1 | 10°40 | 15°32 | 26°49 | 2°56 | 22°42 | 27° 6 | 21°50 | 24°37 | 6°R30 | 6°38 | 5°48 | n.a. | F 12 |
| S 13 | 6 23 17 | 7°38'57 | 12°19 | 11°19 | 16°46 | 27°34 | 3°10 | 22°42 | 27° 8 | 21°52 | 24°R37 | 6°30 | 6°35 | 5°55 | n.a. | S 13 |
| S 14 | 6 27 14 | 8°39'07 | 24°53 | 12° 2 | 18° 0 | 28°20 | 3°23 | 22°42 | 27°10 | 21°54 | 24°37 | 6°30 | 6°32 | 6° 2 | n.a. | S 14 |
| M15 | 6 31 10 | 9°39'15 | 7♈47 | 12°49 | 19°15 | 29° 6 | 3°37 | 22°43 | 27°11 | 21°55 | 24°37 | 6°D30 | 6°28 | 6° 8 | n.a. | M15 |
| T 16 | 6 35 7 | 10°39'20 | 21° 3 | 13°40 | 20°29 | 29°52 | 3°51 | 22°43 | 27°13 | 21°57 | 24°36 | 6°30 | 6°25 | 6°15 | n.a. | T 16 |
| W17 | 6 39 3 | 11°39'23 | 4♉44 | 14°34 | 21°43 | 0♒37 | 4° 5 | 22°R43 | 27°14 | 21°59 | 24°36 | 6°30 | 6°22 | 6°22 | n.a. | W17 |
| T 18 | 6 43 0 | 12°39'24 | 18°51 | 15°31 | 22°57 | 1°23 | 4°19 | 22°43 | 27°16 | 22° 0 | 24°36 | 6°31 | 6°19 | 6°28 | n.a. | T 18 |
| F 19 | 6 46 56 | 13°39'22 | 3♊23 | 16°30 | 24°12 | 2° 8 | 4°33 | 22°42 | 27°18 | 22° 2 | 24°36 | 6°31 | 6°16 | 6°35 | n.a. | F 19 |
| S 20 | 6 50 53 | 14°39'19 | 18°16 | 17°32 | 25°26 | 2°54 | 4°47 | 22°42 | 27°19 | 22° 3 | 24°36 | 6°32 | 6°13 | 6°41 | n.a. | S 20 |
| S 21 | 6 54 50 | 15°39'13 | 3♋24 | 18°37 | 26°40 | 3°39 | 5° 1 | 22°42 | 27°20 | 22° 5 | 24°35 | 6°R32 | 6° 9 | 6°48 | n.a. | S 21 |
| M22 | 6 58 46 | 16°39'04 | 18°37 | 19°44 | 27°54 | 4°25 | 5°15 | 22°41 | 27°22 | 22° 7 | 24°35 | 6°32 | 6° 6 | 6°55 | n.a. | M22 |
| T 23 | 7 2 43 | 17°38'54 | 3♌47 | 20°53 | 29° 8 | 5°10 | 5°29 | 22°41 | 27°23 | 22° 8 | 24°35 | 6°31 | 6° 3 | 7° 1 | n.a. | T 23 |
| W24 | 7 6 39 | 18°38'41 | 18°43 | 22° 4 | 0♑23 | 5°56 | 5°43 | 22°40 | 27°24 | 22°10 | 24°34 | 6°30 | 6° 0 | 7° 8 | n.a. | W24 |
| T 25 | 7 10 36 | 19°38'27 | 3♍18 | 23°17 | 1°37 | 6°41 | 5°57 | 22°39 | 27°25 | 22°11 | 24°34 | 6°29 | 5°57 | 7°15 | n.a. | T 25 |
| F 26 | 7 14 32 | 20°38'10 | 17°28 | 24°31 | 2°51 | 7°26 | 6°11 | 22°38 | 27°27 | 22°12 | 24°34 | 6°27 | 5°53 | 7°21 | n.a. | F 26 |
| S 27 | 7 18 29 | 21°37'52 | 1♎10 | 25°48 | 4° 5 | 8°11 | 6°25 | 22°37 | 27°28 | 22°14 | 24°33 | 6°26 | 5°50 | 7°28 | n.a. | S 27 |
| S 28 | 7 22 25 | 22°37'31 | 14°25 | 27° 7 | 5°19 | 8°56 | 6°40 | 22°36 | 27°29 | 22°15 | 24°33 | 6°25 | 5°47 | 7°35 | n.a. | S 28 |
| M29 | 7 26 22 | 23°37'09 | 27°14 | 28°27 | 6°34 | 9°42 | 6°54 | 22°35 | 27°30 | 22°16 | 24°32 | 6°D24 | 5°44 | 7°41 | n.a. | M29 |
| T 30 | 7 30 18 | 24°36'44 | 9♏43 | 29°48 | 7°48 | 10°27 | 7° 8 | 22°34 | 27°31 | 22°18 | 24°31 | 6°25 | 5°41 | 7°48 | n.a. | T 30 |
| W31 | 7 34 15 | 25♑36'18 | 21♏55 | 1♑11 | 9♑ 2 | 11♒12 | 7♒22 | 22♍32 | 27♎32 | 22♏19 | 24♍31 | 6♋26 | 5♋38 | 7♑55 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 23s51 | 2s26 | 5n11 | 18s50 | 3n32 | 20s36 | 0n21 | 23s45 | 1s 8 | 21s38 | 1s13 | 5n27 | 2n38 | 10s 8 | 0n24 | 17s16 | 1n17 | 16n34 | 15n45 | 23n45 | 23n43 | 23s36 | | | n.a. |
| T 2 | 23 52 | 7 22 | 4 50 | 18 53 | 3 24 | 20 54 | 0 19 | 23 39 | 1 8 | 21 35 | 1 13 | 5 26 | 2 39 | 10 9 | 0 24 | 17 17 | 1 17 | 16 34 | 15 45 | 23 45 | 23 43 | 23 37 | | | n.a. |
| W 3 | 23 54 | 11 56 | 4 16 | 18 59 | 3 16 | 21 11 | 0 16 | 23 31 | 1 8 | 21 32 | 1 12 | 5 26 | 2 39 | 10 10 | 0 24 | 17 17 | 1 17 | 16 34 | 15 46 | 23 45 | 23 43 | 23 37 | | | n.a. |
| T 4 | 23 55 | 15 58 | 3 31 | 19 6 | 3 6 | 21 27 | 0 13 | 23 24 | 1 7 | 21 29 | 1 12 | 5 26 | 2 39 | 10 11 | 0 24 | 17 18 | 1 17 | 16 35 | 15 46 | 23 45 | 23 44 | 23 38 | | | n.a. |
| F 5 | 23 55 | 19 18 | 2 37 | 19 15 | 2 56 | 21 43 | 0 11 | 23 16 | 1 7 | 21 26 | 1 12 | 5 25 | 2 39 | 10 12 | 0 24 | 17 18 | 1 17 | 16 35 | 15 47 | 23 45 | 23 44 | 23 39 | | | n.a. |
| S 6 | 23 55 | 21 49 | 1 37 | 19 25 | 2 46 | 21 58 | 0 8 | 23 9 | 1 7 | 21 23 | 1 12 | 5 25 | 2 40 | 10 12 | 0 24 | 17 19 | 1 17 | 16 35 | 15 47 | 23 45 | 23 44 | 23 39 | | | n.a. |
| S 7 | 23 55 | 23 22 | 0 33 | 19 37 | 2 35 | 22 12 | 0 5 | 23 1 | 1 6 | 21 20 | 1 12 | 5 25 | 2 40 | 10 13 | 0 24 | 17 19 | 1 17 | 16 36 | 15 48 | 23 45 | 23 44 | 23 40 | | | n.a. |
| M 8 | 23 54 | 23 52 | 0s32 | 19 51 | 2 24 | 22 26 | 0 3 | 22 52 | 1 6 | 21 17 | 1 12 | 5 25 | 2 40 | 10 14 | 0 24 | 17 19 | 1 17 | 16 36 | 15 48 | 23 45 | 23 44 | 23 41 | | | n.a. |
| T 9 | 23 52 | 23 18 | 1 37 | 20 5 | 2 13 | 22 39 | 0 0 | 22 44 | 1 6 | 21 13 | 1 12 | 5 25 | 2 40 | 10 15 | 0 24 | 17 20 | 1 17 | 16 36 | 15 49 | 23 45 | 23 45 | 23 41 | | | n.a. |
| W10 | 23 50 | 21 41 | 2 37 | 20 20 | 2 1 | 22 52 | 0s 2 | 22 35 | 1 6 | 21 10 | 1 12 | 5 25 | 2 41 | 10 15 | 0 24 | 17 20 | 1 17 | 16 37 | 15 49 | 23 45 | 23 45 | 23 42 | | | n.a. |
| T 11 | 23 48 | 19 6 | 3 31 | 20 36 | 1 50 | 23 3 | 0 5 | 22 26 | 1 5 | 21 7 | 1 12 | 5 25 | 2 41 | 10 16 | 0 24 | 17 21 | 1 17 | 16 37 | 15 50 | 23 45 | 23 45 | 23 42 | | | n.a. |
| F 12 | 23 45 | 15 40 | 4 16 | 20 52 | 1 38 | 23 14 | 0 8 | 22 17 | 1 5 | 21 4 | 1 12 | 5 25 | 2 41 | 10 17 | 0 24 | 17 21 | 1 17 | 16 38 | 15 50 | 23 45 | 23 45 | 23 43 | | | n.a. |
| S 13 | 23 42 | 11 31 | 4 50 | 21 9 | 1 27 | 23 25 | 0 10 | 22 7 | 1 5 | 21 0 | 1 12 | 5 25 | 2 42 | 10 17 | 0 24 | 17 22 | 1 17 | 16 38 | 15 51 | 23 45 | 23 45 | 23 44 | | | n.a. |
| S 14 | 23 38 | 6 49 | 5 12 | 21 26 | 1 16 | 23 35 | 0 13 | 21 57 | 1 4 | 20 57 | 1 12 | 5 25 | 2 42 | 10 18 | 0 24 | 17 22 | 1 17 | 16 38 | 15 51 | 23 45 | 23 45 | 23 44 | | | n.a. |
| M15 | 23 34 | 1 42 | 5 18 | 21 43 | 1 5 | 23 44 | 0 15 | 21 47 | 1 4 | 20 54 | 1 12 | 5 25 | 2 42 | 10 19 | 0 24 | 17 23 | 1 17 | 16 39 | 15 52 | 23 45 | 23 45 | 23 45 | | | n.a. |
| T 16 | 23 29 | 3n38 | 5 8 | 22 1 | 0 54 | 23 52 | 0 18 | 21 37 | 1 4 | 20 50 | 1 12 | 5 26 | 2 42 | 10 19 | 0 24 | 17 23 | 1 17 | 16 39 | 15 52 | 23 45 | 23 46 | 23 45 | | | n.a. |
| W17 | 23 24 | 8 58 | 4 40 | 22 18 | 0 43 | 23 59 | 0 20 | 21 27 | 1 3 | 20 47 | 1 12 | 5 26 | 2 43 | 10 20 | 0 24 | 17 23 | 1 17 | 16 40 | 15 53 | 23 45 | 23 46 | 23 46 | | | n.a. |
| T 18 | 23 18 | 14 0 | 3 55 | 22 34 | 0 33 | 24 6 | 0 23 | 21 16 | 1 3 | 20 44 | 1 12 | 5 26 | 2 43 | 10 20 | 0 24 | 17 24 | 1 17 | 16 40 | 15 53 | 23 45 | 23 46 | 23 46 | | | n.a. |
| F 19 | 23 12 | 18 24 | 2 54 | 22 51 | 0 22 | 24 12 | 0 25 | 21 6 | 1 2 | 20 40 | 1 12 | 5 26 | 2 43 | 10 21 | 0 24 | 17 24 | 1 17 | 16 41 | 15 54 | 23 45 | 23 46 | 23 47 | | | n.a. |
| S 20 | 23 6 | 21 44 | 1 40 | 23 7 | 0 12 | 24 18 | 0 27 | 20 55 | 1 2 | 20 37 | 1 12 | 5 27 | 2 43 | 10 21 | 0 24 | 17 25 | 1 17 | 16 41 | 15 54 | 23 45 | 23 46 | 23 47 | | | n.a. |
| S 21 | 22 59 | 23 35 | 0 17 | 23 23 | 0 3 | 24 22 | 0 30 | 20 43 | 1 2 | 20 33 | 1 12 | 5 27 | 2 44 | 10 22 | 0 24 | 17 25 | 1 17 | 16 42 | 15 55 | 23 45 | 23 46 | 23 48 | | | n.a. |
| M22 | 22 51 | 23 42 | 1n 7 | 23 37 | 0s 7 | 24 26 | 0 32 | 20 32 | 1 1 | 20 30 | 1 12 | 5 28 | 2 44 | 10 22 | 0 24 | 17 25 | 1 17 | 16 42 | 15 55 | 23 45 | 23 47 | 23 48 | | | n.a. |
| T 23 | 22 44 | 22 3 | 2 26 | 23 52 | 0 16 | 24 29 | 0 34 | 20 20 | 1 1 | 20 26 | 1 12 | 5 28 | 2 44 | 10 23 | 0 24 | 17 26 | 1 17 | 16 43 | 15 56 | 23 45 | 23 47 | 23 49 | | | n.a. |
| W24 | 22 36 | 18 53 | 3 33 | 24 5 | 0 25 | 24 32 | 0 36 | 20 9 | 1 1 | 20 23 | 1 12 | 5 29 | 2 45 | 10 23 | 0 24 | 17 26 | 1 17 | 16 44 | 15 56 | 23 45 | 23 47 | 23 50 | | | n.a. |
| T 25 | 22 27 | 14 36 | 4 26 | 24 18 | 0 33 | 24 33 | 0 39 | 19 57 | 1 0 | 20 19 | 1 12 | 5 29 | 2 45 | 10 24 | 0 24 | 17 26 | 1 17 | 16 44 | 15 56 | 23 45 | 23 47 | 23 50 | | | n.a. |
| F 26 | 22 18 | 9 38 | 5 0 | 24 30 | 0 41 | 24 34 | 0 41 | 19 45 | 1 0 | 20 15 | 1 12 | 5 30 | 2 45 | 10 24 | 0 24 | 17 27 | 1 17 | 16 45 | 15 57 | 23 46 | 23 47 | 23 51 | | | n.a. |
| S 27 | 22 8 | 4 20 | 5 16 | 24 40 | 0 49 | 24 34 | 0 43 | 19 32 | 0 59 | 20 12 | 1 12 | 5 30 | 2 45 | 10 24 | 0 24 | 17 27 | 1 17 | 16 45 | 15 57 | 23 46 | 23 47 | 23 51 | | | n.a. |
| S 28 | 21 59 | 0s59 | 5 14 | 24 50 | 0 57 | 24 34 | 0 45 | 19 20 | 0 59 | 20 8 | 1 12 | 5 31 | 2 46 | 10 25 | 0 24 | 17 27 | 1 17 | 16 46 | 15 58 | 23 46 | 23 47 | 23 52 | | | n.a. |
| M29 | 21 48 | 6 6 | 4 56 | 24 59 | 1 4 | 24 32 | 0 47 | 19 7 | 0 59 | 20 4 | 1 12 | 5 32 | 2 46 | 10 25 | 0 24 | 17 28 | 1 17 | 16 47 | 15 58 | 23 46 | 23 48 | 23 52 | | | n.a. |
| T 30 | 21 38 | 10 50 | 4 25 | 25 6 | 1 11 | 24 30 | 0 49 | 18 54 | 0 58 | 20 1 | 1 12 | 5 32 | 2 46 | 10 26 | 0 24 | 17 28 | 1 17 | 16 47 | 15 59 | 23 46 | 23 48 | 23 53 | | | n.a. |
| W31 | 21s27 | 15s 2 | 3n42 | 25s12 | 1s18 | 24s27 | 0s51 | 18s41 | 0s58 | 19s57 | 1s12 | 5n33 | 2n46 | 10s26 | 0n24 | 17s28 | 1n17 | 16n48 | 15n59 | 23n46 | 23n48 | 23s53 | | | n.a. |

Julian Day Number = 1004072.5, Delta T = 12h47m45s
Ecliptic obliquity = 23°55'12, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'07, Lahiri = -31°02'06 Julian Calendar 1 Jan. 1964 BCE == Greg. Calendar 15 Dec. 1965 BCE

The year -1963 astronomical counting style corresponds to year 1964 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## FEBRUARY 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 38 12 | 26♉35'50 | 3♐54 | 2♉36 | 10♉16 | 11♒57 | 7♒37 | 22°R31 | 27♎32 | 22♏20 | 24°R30 | 6♋28 | 5♋34 | 8♉ 1 | n.a. | T 1 |
| F 2 | 7 42 8 | 27°35'20 | 15°45 | 4° 2 | 11°30 | 12°42 | 7°51 | 22♍29 | 27°33 | 22°21 | 24♍29 | 6°30 | 5°31 | 8° 8 | n.a. | F 2 |
| S 3 | 7 46 5 | 28°34'48 | 27°32 | 5°30 | 12°44 | 13°26 | 8° 5 | 22°28 | 27°34 | 22°23 | 24°29 | 6°31 | 5°28 | 8°15 | n.a. | S 3 |
| S 4 | 7 50 1 | 29°34'14 | 9♉18 | 6°59 | 13°58 | 14°11 | 8°19 | 22°26 | 27°35 | 22°24 | 24°28 | 6°R31 | 5°25 | 8°21 | n.a. | S 4 |
| M 5 | 7 53 58 | 0♒33'38 | 21° 6 | 8°29 | 15°13 | 14°56 | 8°34 | 22°24 | 27°35 | 22°25 | 24°27 | 6°30 | 5°22 | 8°28 | n.a. | M 5 |
| T 6 | 7 57 54 | 1°32'59 | 2♒59 | 10° 1 | 16°27 | 15°41 | 8°48 | 22°22 | 27°36 | 22°26 | 24°26 | 6°28 | 5°19 | 8°34 | n.a. | T 6 |
| W 7 | 8 1 51 | 2°32'18 | 14°58 | 11°34 | 17°41 | 16°26 | 9° 3 | 22°20 | 27°36 | 22°27 | 24°26 | 6°25 | 5°15 | 8°41 | n.a. | W 7 |
| T 8 | 8 5 47 | 3°31'35 | 27° 6 | 13° 9 | 18°55 | 17°10 | 9°17 | 22°18 | 27°37 | 22°28 | 24°25 | 6°20 | 5°12 | 8°48 | n.a. | T 8 |
| F 9 | 8 9 44 | 4°30'50 | 9♓23 | 14°44 | 20° 9 | 17°55 | 9°31 | 22°16 | 27°37 | 22°29 | 24°24 | 6°15 | 5° 9 | 8°54 | n.a. | F 9 |
| S 10 | 8 13 40 | 5°30'02 | 21°52 | 16°22 | 21°23 | 18°39 | 9°46 | 22°14 | 27°38 | 22°30 | 24°23 | 6°11 | 5° 6 | 9° 1 | n.a. | S 10 |
| S 11 | 8 17 37 | 6°29'12 | 4♈34 | 18° 0 | 22°37 | 19°24 | 10° 0 | 22°11 | 27°38 | 22°31 | 24°22 | 6° 6 | 5° 3 | 9° 8 | n.a. | S 11 |
| M12 | 8 21 34 | 7°28'19 | 17°31 | 19°40 | 23°51 | 20° 8 | 10°14 | 22° 9 | 27°38 | 22°32 | 24°21 | 6° 3 | 4°59 | 9°14 | n.a. | M12 |
| T 13 | 8 25 30 | 8°27'24 | 0♉46 | 21°22 | 25° 5 | 20°53 | 10°29 | 22° 6 | 27°39 | 22°33 | 24°20 | 6° 2 | 4°56 | 9°21 | n.a. | T 13 |
| W14 | 8 29 27 | 9°26'26 | 14°19 | 23° 4 | 26°19 | 21°37 | 10°43 | 22° 4 | 27°39 | 22°34 | 24°19 | 6°D 2 | 4°53 | 9°28 | n.a. | W14 |
| T 15 | 8 33 23 | 10°25'26 | 28°13 | 24°48 | 27°33 | 22°21 | 10°58 | 22° 1 | 27°39 | 22°35 | 24°18 | 6° 3 | 4°50 | 9°34 | n.a. | T 15 |
| F 16 | 8 37 20 | 11°24'24 | 12♊28 | 26°34 | 28°47 | 23° 6 | 11°12 | 21°58 | 27°39 | 22°35 | 24°17 | 6° 4 | 4°47 | 9°41 | n.a. | F 16 |
| S 17 | 8 41 16 | 12°23'19 | 27° 2 | 28°21 | 0♒ 1 | 23°50 | 11°26 | 21°55 | 27°R39 | 22°36 | 24°16 | 6° 5 | 4°44 | 9°48 | n.a. | S 17 |
| S 18 | 8 45 13 | 13°22'11 | 11♋51 | 0♒ 9 | 1°15 | 24°34 | 11°41 | 21°52 | 27°39 | 22°37 | 24°15 | 6°R 5 | 4°40 | 9°54 | n.a. | S 18 |
| M19 | 8 49 9 | 14°21'01 | 26°50 | 1°59 | 2°29 | 25°18 | 11°55 | 21°49 | 27°39 | 22°38 | 24°14 | 6° 4 | 4°37 | 10° 1 | n.a. | M19 |
| T 20 | 8 53 6 | 15°19'49 | 11♌51 | 3°50 | 3°43 | 26° 2 | 12°10 | 21°46 | 27°39 | 22°38 | 24°12 | 6° 1 | 4°34 | 10° 8 | n.a. | T 20 |
| W21 | 8 57 3 | 16°18'35 | 26°45 | 5°43 | 4°57 | 26°46 | 12°24 | 21°43 | 27°38 | 22°39 | 24°11 | 5°55 | 4°31 | 10°14 | n.a. | W21 |
| T 22 | 9 0 59 | 17°17'18 | 11♍23 | 7°37 | 6°11 | 27°30 | 12°38 | 21°40 | 27°38 | 22°39 | 24°10 | 5°49 | 4°28 | 10°21 | n.a. | T 22 |
| F 23 | 9 4 56 | 18°16'00 | 25°39 | 9°32 | 7°25 | 28°14 | 12°53 | 21°37 | 27°38 | 22°40 | 24° 9 | 5°43 | 4°24 | 10°27 | n.a. | F 23 |
| S 24 | 9 8 52 | 19°14'39 | 9♎28 | 11°29 | 8°39 | 28°58 | 13° 7 | 21°33 | 27°37 | 22°41 | 24° 7 | 5°37 | 4°21 | 10°34 | n.a. | S 24 |
| S 25 | 9 12 49 | 20°13'17 | 22°50 | 13°28 | 9°53 | 29°42 | 13°21 | 21°30 | 27°37 | 22°41 | 24° 6 | 5°32 | 4°18 | 10°41 | n.a. | S 25 |
| M26 | 9 16 45 | 21°11'52 | 5♏44 | 15°27 | 11° 7 | 0♓25 | 13°36 | 21°26 | 27°37 | 22°41 | 24° 5 | 5°28 | 4°15 | 10°47 | n.a. | M26 |
| T 27 | 9 20 42 | 22°10'26 | 18°16 | 17°28 | 12°21 | 1° 9 | 13°50 | 21°23 | 27°36 | 22°42 | 24° 3 | 5°D27 | 4°12 | 10°54 | n.a. | T 27 |
| W28 | 9 24 38 | 23♒ 8'58 | 0♐29 | 19♒31 | 13♒35 | 1♓53 | 14♒ 4 | 21♍19 | 27♎36 | 22♏42 | 24♍ 2 | 5♋27 | 4♋ 9 | 11♉ 1 | n.a. | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s15 | 18s33 | 2n51 | 25s17 | 1s24 | 24s24 | 0s53 | 18s28 | 0s57 | 19s53 | 1s12 | 5n34 | 2n47 | 10s26 | 0n24 | 17s29 | 1n17 | 16n49 | 16n 0 | 23n46 | 23n48 | 23s54 | | n.a. |
| F 2 | 21 4 | 21 17 | 1 52 | 25 21 | 1 30 | 24 19 | 0 55 | 18 15 | 0 57 | 19 49 | 1 12 | 5 35 | 2 47 | 10 26 | 0 24 | 17 29 | 1 17 | 16 49 | 16 0 | 23 45 | 23 48 | 23 54 | | n.a. |
| S 3 | 20 51 | 23 4 | 0 49 | 25 23 | 1 35 | 24 14 | 0 57 | 18 1 | 0 56 | 19 46 | 1 12 | 5 36 | 2 47 | 10 27 | 0 24 | 17 29 | 1 17 | 16 50 | 16 0 | 23 45 | 23 48 | 23 54 | | n.a. |
| S 4 | 20 39 | 23 51 | 0s15 | 25 24 | 1 40 | 24 8 | 0 59 | 17 48 | 0 56 | 19 42 | 1 12 | 5 37 | 2 47 | 10 27 | 0 24 | 17 30 | 1 17 | 16 51 | 16 1 | 23 45 | 23 48 | 23 55 | | n.a. |
| M 5 | 20 26 | 23 32 | 1 20 | 25 23 | 1 45 | 24 2 | 1 0 | 17 34 | 0 56 | 19 38 | 1 12 | 5 38 | 2 48 | 10 27 | 0 24 | 17 30 | 1 17 | 16 51 | 16 1 | 23 45 | 23 49 | 23 55 | | n.a. |
| T 6 | 20 13 | 22 10 | 2 21 | 25 21 | 1 49 | 23 55 | 1 2 | 17 20 | 0 55 | 19 34 | 1 12 | 5 39 | 2 48 | 10 27 | 0 24 | 17 30 | 1 17 | 16 52 | 16 2 | 23 46 | 23 49 | 23 56 | | n.a. |
| W 7 | 19 59 | 19 47 | 3 16 | 25 17 | 1 53 | 23 46 | 1 4 | 17 6 | 0 55 | 19 30 | 1 12 | 5 40 | 2 48 | 10 28 | 0 24 | 17 30 | 1 18 | 16 53 | 16 2 | 23 46 | 23 49 | 23 56 | | n.a. |
| T 8 | 19 45 | 16 31 | 4 3 | 25 11 | 1 56 | 23 38 | 1 5 | 16 52 | 0 54 | 19 26 | 1 12 | 5 41 | 2 48 | 10 28 | 0 24 | 17 31 | 1 18 | 16 53 | 16 2 | 23 46 | 23 49 | 23 57 | | n.a. |
| F 9 | 19 31 | 12 30 | 4 40 | 25 4 | 1 59 | 23 28 | 1 7 | 16 37 | 0 54 | 19 23 | 1 12 | 5 42 | 2 48 | 10 28 | 0 24 | 17 31 | 1 18 | 16 54 | 16 3 | 23 46 | 23 49 | 23 57 | | n.a. |
| S 10 | 19 16 | 7 55 | 5 3 | 24 55 | 2 2 | 23 18 | 1 8 | 16 23 | 0 53 | 19 19 | 1 12 | 5 43 | 2 49 | 10 28 | 0 24 | 17 31 | 1 18 | 16 55 | 16 3 | 23 46 | 23 49 | 23 58 | | n.a. |
| S 11 | 19 2 | 2 55 | 5 13 | 24 44 | 2 4 | 23 7 | 1 10 | 16 8 | 0 53 | 19 15 | 1 12 | 5 44 | 2 49 | 10 28 | 0 24 | 17 31 | 1 18 | 16 55 | 16 4 | 23 47 | 23 49 | 23 58 | | n.a. |
| M12 | 18 46 | 2n18 | 5 7 | 24 31 | 2 6 | 22 56 | 1 11 | 15 53 | 0 52 | 19 11 | 1 12 | 5 45 | 2 49 | 10 28 | 0 24 | 17 31 | 1 18 | 16 56 | 16 4 | 23 47 | 23 49 | 23 58 | | n.a. |
| T 13 | 18 31 | 7 32 | 4 45 | 24 17 | 2 7 | 22 44 | 1 12 | 15 39 | 0 52 | 19 7 | 1 12 | 5 47 | 2 49 | 10 28 | 0 24 | 17 32 | 1 18 | 16 57 | 16 4 | 23 47 | 23 50 | 23 59 | | n.a. |
| W14 | 18 15 | 12 33 | 4 6 | 24 0 | 2 8 | 22 31 | 1 13 | 15 24 | 0 52 | 19 3 | 1 12 | 5 48 | 2 50 | 10 28 | 0 24 | 17 32 | 1 18 | 16 58 | 16 5 | 23 47 | 23 50 | 23 59 | | n.a. |
| T 15 | 17 59 | 17 2 | 3 12 | 23 42 | 2 8 | 22 17 | 1 15 | 15 8 | 0 51 | 18 59 | 1 12 | 5 49 | 2 50 | 10 28 | 0 24 | 17 32 | 1 18 | 16 58 | 16 5 | 23 47 | 23 50 | 24 0 | | n.a. |
| F 16 | 17 42 | 20 40 | 2 6 | 23 21 | 2 8 | 22 3 | 1 16 | 14 53 | 0 51 | 18 55 | 1 12 | 5 50 | 2 50 | 10 28 | 0 24 | 17 32 | 1 18 | 16 59 | 16 5 | 23 47 | 23 50 | 24 0 | | n.a. |
| S 17 | 17 26 | 23 4 | 0 49 | 22 59 | 2 7 | 21 48 | 1 17 | 14 38 | 0 50 | 18 51 | 1 12 | 5 52 | 2 50 | 10 28 | 0 24 | 17 32 | 1 18 | 17 0 | 16 6 | 23 47 | 23 50 | 24 0 | | n.a. |
| S 18 | 17 9 | 23 54 | 0n31 | 22 35 | 2 6 | 21 33 | 1 18 | 14 22 | 0 50 | 18 47 | 1 12 | 5 53 | 2 50 | 10 28 | 0 24 | 17 32 | 1 18 | 17 1 | 16 6 | 23 47 | 23 50 | 24 1 | | n.a. |
| M19 | 16 51 | 23 1 | 1 51 | 22 8 | 2 5 | 21 17 | 1 19 | 14 7 | 0 49 | 18 43 | 1 12 | 5 54 | 2 51 | 10 28 | 0 24 | 17 33 | 1 18 | 17 1 | 16 6 | 23 47 | 23 50 | 24 1 | | n.a. |
| T 20 | 16 34 | 20 29 | 3 2 | 21 40 | 2 2 | 21 0 | 1 20 | 13 51 | 0 49 | 18 39 | 1 12 | 5 56 | 2 51 | 10 28 | 0 24 | 17 33 | 1 18 | 17 2 | 16 7 | 23 47 | 23 50 | 24 1 | | n.a. |
| W21 | 16 16 | 16 36 | 4 1 | 21 9 | 2 0 | 20 43 | 1 20 | 13 35 | 0 48 | 18 34 | 1 12 | 5 57 | 2 51 | 10 28 | 0 24 | 17 33 | 1 18 | 17 3 | 16 7 | 23 47 | 23 50 | 24 2 | | n.a. |
| T 22 | 15 58 | 11 46 | 4 42 | 20 36 | 1 56 | 20 25 | 1 21 | 13 20 | 0 48 | 18 30 | 1 12 | 5 59 | 2 51 | 10 28 | 0 24 | 17 33 | 1 18 | 17 4 | 16 7 | 23 47 | 23 51 | 24 2 | | n.a. |
| F 23 | 15 39 | 6 25 | 5 5 | 20 1 | 1 52 | 20 6 | 1 22 | 13 4 | 0 47 | 18 26 | 1 12 | 6 0 | 2 51 | 10 28 | 0 24 | 17 33 | 1 18 | 17 4 | 16 7 | 23 48 | 23 51 | 24 2 | | n.a. |
| S 24 | 15 21 | 0 54 | 5 9 | 19 24 | 1 48 | 19 47 | 1 23 | 12 48 | 0 47 | 18 22 | 1 12 | 6 2 | 2 51 | 10 28 | 0 24 | 17 33 | 1 18 | 17 5 | 16 8 | 23 48 | 23 51 | 24 3 | | n.a. |
| S 25 | 15 2 | 4s29 | 4 56 | 18 45 | 1 43 | 19 28 | 1 23 | 12 31 | 0 46 | 18 18 | 1 12 | 6 3 | 2 52 | 10 28 | 0 24 | 17 33 | 1 18 | 17 6 | 16 8 | 23 48 | 23 51 | 24 3 | | n.a. |
| M26 | 14 43 | 9 30 | 4 28 | 18 4 | 1 37 | 19 7 | 1 24 | 12 15 | 0 46 | 18 14 | 1 12 | 6 5 | 2 52 | 10 27 | 0 24 | 17 33 | 1 18 | 17 7 | 16 8 | 23 48 | 23 51 | 24 3 | | n.a. |
| T 27 | 14 24 | 13 58 | 3 48 | 17 21 | 1 31 | 18 47 | 1 24 | 11 59 | 0 45 | 18 10 | 1 12 | 6 6 | 2 52 | 10 27 | 0 24 | 17 33 | 1 18 | 17 8 | 16 9 | 23 48 | 23 51 | 24 4 | | n.a. |
| W28 | 14s 4 | 17s46 | 2n58 | 16s36 | 1s25 | 18s26 | 1s24 | 11s43 | 0s45 | 18s 5 | 1s13 | 6n 8 | 2n52 | 10s27 | 0n24 | 17s34 | 1n18 | 17n 8 | 16n 9 | 23n48 | 23n51 | 24s 4 | | n.a. |

Julian Day Number = 1004103.5, Delta T = 12h47m43s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°09'03, Lahiri = -31°02'02 Julian Calendar 1 Feb. 1964 BCE == Greg. Calendar 15 Jan. 1964 BCE


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## MARCH 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 28 35 | 24♒ 7'29 | 12♐27 | 21♒34 | 14♒49 | 2♓36 | 14♒19 | 21°R16 | 27°R35 | 22♏43 | 24°R 1 | 5♋28 | 4♋ 5 | 11♑ 7 | n.a. | T 1 |
| F 2 | 9 32 31 | 25° 5'57 | 24°17 | 23°39 | 16° 3 | 3°20 | 14°33 | 21♏12 | 27♎34 | 22°43 | 23♏59 | 5°30 | 4° 2 | 11°14 | n.a. | F 2 |
| S 3 | 9 36 28 | 26° 4'24 | 6♑ 3 | 25°44 | 17°16 | 4° 3 | 14°47 | 21° 8 | 27°34 | 22°43 | 23°58 | 5°R30 | 3°59 | 11°21 | n.a. | S 3 |
| S 4 | 9 40 24 | 27° 2'49 | 17°51 | 27°50 | 18°30 | 4°47 | 15° 1 | 21° 4 | 27°33 | 22°44 | 23°56 | 5°29 | 3°56 | 11°27 | n.a. | S 4 |
| M 5 | 9 44 21 | 28° 1'12 | 29°42 | 29°57 | 19°44 | 5°30 | 15°15 | 21° 0 | 27°32 | 22°44 | 23°55 | 5°26 | 3°53 | 11°34 | n.a. | M 5 |
| T 6 | 9 48 18 | 28°59'33 | 11♒42 | 2♓ 4 | 20°58 | 6°14 | 15°30 | 20°57 | 27°31 | 22°44 | 23°54 | 5°21 | 3°50 | 11°41 | n.a. | T 6 |
| W 7 | 9 52 14 | 29°57'52 | 23°52 | 4°12 | 22°12 | 6°57 | 15°44 | 20°53 | 27°30 | 22°44 | 23°52 | 5°13 | 3°46 | 11°47 | n.a. | W 7 |
| T 8 | 9 56 11 | 0♓56'09 | 6♓14 | 6°19 | 23°26 | 7°40 | 15°58 | 20°49 | 27°29 | 22°44 | 23°51 | 5° 4 | 3°43 | 11°54 | n.a. | T 8 |
| F 9 | 10 0 7 | 1°54'25 | 18°47 | 8°26 | 24°40 | 8°23 | 16°12 | 20°45 | 27°28 | 22°44 | 23°49 | 4°54 | 3°40 | 12° 0 | n.a. | F 9 |
| S 10 | 10 4 4 | 2°52'38 | 1♈34 | 10°33 | 25°54 | 9° 7 | 16°26 | 20°40 | 27°27 | 22°44 | 23°48 | 4°44 | 3°37 | 12° 7 | n.a. | S 10 |
| S 11 | 10 8 0 | 3°50'49 | 14°32 | 12°38 | 27° 8 | 9°50 | 16°40 | 20°36 | 27°26 | 22°45 | 23°46 | 4°34 | 3°34 | 12°14 | n.a. | S 11 |
| M12 | 10 11 57 | 4°48'58 | 27°44 | 14°42 | 28°21 | 10°33 | 16°54 | 20°32 | 27°25 | 22°R45 | 23°44 | 4°27 | 3°30 | 12°20 | n.a. | M12 |
| T 13 | 10 15 53 | 5°47'04 | 11♉ 7 | 16°45 | 29°35 | 11°16 | 17° 8 | 20°28 | 27°24 | 22°45 | 23°43 | 4°22 | 3°27 | 12°27 | n.a. | T 13 |
| W14 | 10 19 50 | 6°45'09 | 24°44 | 18°45 | 0♓49 | 11°59 | 17°22 | 20°24 | 27°23 | 22°44 | 23°41 | 4°20 | 3°24 | 12°34 | n.a. | W14 |
| T 15 | 10 23 46 | 7°43'12 | 8♊33 | 20°44 | 2° 3 | 12°42 | 17°36 | 20°19 | 27°21 | 22°44 | 23°40 | 4°D19 | 3°21 | 12°40 | n.a. | T 15 |
| F 16 | 10 27 43 | 8°41'13 | 22°37 | 22°40 | 3°17 | 13°25 | 17°50 | 20°15 | 27°20 | 22°44 | 23°38 | 4°19 | 3°18 | 12°47 | n.a. | F 16 |
| S 17 | 10 31 40 | 9°39'11 | 6♋53 | 24°33 | 4°30 | 14° 7 | 18° 4 | 20°11 | 27°19 | 22°44 | 23°36 | 4°R20 | 3°15 | 12°54 | n.a. | S 17 |
| S 18 | 10 35 36 | 10°37'08 | 21°21 | 26°23 | 5°44 | 14°50 | 18°18 | 20° 6 | 27°17 | 22°44 | 23°35 | 4°19 | 3°11 | 13° 0 | n.a. | S 18 |
| M19 | 10 39 33 | 11°35'02 | 5♌57 | 28°10 | 6°58 | 15°33 | 18°32 | 20° 2 | 27°16 | 22°44 | 23°33 | 4°15 | 3° 8 | 13° 7 | n.a. | M19 |
| T 20 | 10 43 29 | 12°32'54 | 20°36 | 29°54 | 8°12 | 16°15 | 18°45 | 19°58 | 27°15 | 22°43 | 23°32 | 4° 9 | 3° 5 | 13°14 | n.a. | T 20 |
| W21 | 10 47 26 | 13°30'45 | 5♍12 | 1♈35 | 9°26 | 16°58 | 18°59 | 19°53 | 27°13 | 22°43 | 23°30 | 4° 1 | 3° 2 | 13°20 | n.a. | W21 |
| T 22 | 10 51 22 | 14°28'34 | 19°36 | 3°11 | 10°39 | 17°41 | 19°13 | 19°49 | 27°11 | 22°43 | 23°28 | 3°51 | 2°59 | 13°27 | n.a. | T 22 |
| F 23 | 10 55 19 | 15°26'21 | 3♎44 | 4°44 | 11°53 | 18°23 | 19°26 | 19°45 | 27°10 | 22°42 | 23°27 | 3°40 | 2°56 | 13°34 | n.a. | F 23 |
| S 24 | 10 59 15 | 16°24'06 | 17°30 | 6°14 | 13° 7 | 19° 5 | 19°40 | 19°40 | 27° 8 | 22°42 | 23°25 | 3°29 | 2°52 | 13°40 | n.a. | S 24 |
| S 25 | 11 3 12 | 17°21'50 | 0♏50 | 7°39 | 14°21 | 19°48 | 19°53 | 19°36 | 27° 7 | 22°42 | 23°23 | 3°21 | 2°49 | 13°47 | n.a. | S 25 |
| M26 | 11 7 9 | 18°19'33 | 13°47 | 9° 1 | 15°34 | 20°30 | 20° 7 | 19°31 | 27° 5 | 22°41 | 23°22 | 3°14 | 2°46 | 13°53 | n.a. | M26 |
| T 27 | 11 11 5 | 19°17'14 | 26°20 | 10°18 | 16°48 | 21°12 | 20°20 | 19°27 | 27° 3 | 22°41 | 23°20 | 3°10 | 2°43 | 14° 0 | n.a. | T 27 |
| W28 | 11 15 2 | 20°14'54 | 8♐34 | 11°32 | 18° 2 | 21°55 | 20°34 | 19°22 | 27° 1 | 22°40 | 23°18 | 3° 7 | 2°40 | 14° 7 | n.a. | W28 |
| T 29 | 11 18 58 | 21°12'33 | 20°34 | 12°41 | 19°16 | 22°37 | 20°47 | 19°18 | 27° 0 | 22°40 | 23°17 | 3°D 7 | 2°36 | 14°13 | n.a. | T 29 |
| F 30 | 11 22 55 | 22°10'11 | 2♑26 | 13°47 | 20°29 | 23°19 | 21° 0 | 19°13 | 26°58 | 22°39 | 23°15 | 3°R 7 | 2°33 | 14°20 | n.a. | F 30 |
| S 31 | 11 26 51 | 23♓ 7'48 | 14♑13 | 14♈48 | 21♓43 | 24♓ 1 | 21♒14 | 19♍ 9 | 26♎56 | 22♏39 | 23♍13 | 3♋ 7 | 2♋30 | 14♑27 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 13s45 | 20s44 | 2n 1 | 15s49 | 1s17 | 18s 4 | 1s25 | 11s26 | 0s44 | 18s 1 | 1s13 | 6n10 | 2n52 | 10s27 | 0n24 | 17s34 | 1n18 | 17n 9 | 16n 9 | 23n48 | 23n51 | 24s 4 | | | n.a. |
| F 2 | 13 25 | 22 47 | 1 0 | 15 0 | 1 10 | 17 42 | 1 25 | 11 10 | 0 44 | 17 57 | 1 13 | 6 11 | 2 52 | 10 26 | 0 24 | 17 34 | 1 18 | 17 10 | 16 9 | 23 48 | 23 51 | 24 5 | | | n.a. |
| S 3 | 13 5 | 23 50 | 0s 3 | 14 9 | 1 1 | 17 19 | 1 25 | 10 53 | 0 43 | 17 53 | 1 13 | 6 13 | 2 53 | 10 26 | 0 24 | 17 34 | 1 18 | 17 11 | 16 9 | 23 48 | 23 52 | 24 5 | | | n.a. |
| S 4 | 12 44 | 23 48 | 1 6 | 13 17 | 0 53 | 16 56 | 1 25 | 10 36 | 0 43 | 17 49 | 1 13 | 6 15 | 2 53 | 10 26 | 0 24 | 17 34 | 1 18 | 17 11 | 16 10 | 23 48 | 23 52 | 24 5 | | | n.a. |
| M 5 | 12 24 | 22 41 | 2 7 | 12 23 | 0 43 | 16 32 | 1 25 | 10 20 | 0 42 | 17 44 | 1 13 | 6 16 | 2 53 | 10 26 | 0 24 | 17 34 | 1 18 | 17 12 | 16 10 | 23 48 | 23 52 | 24 6 | | | n.a. |
| T 6 | 12 3 | 20 32 | 3 2 | 11 28 | 0 34 | 16 8 | 1 25 | 10 3 | 0 42 | 17 40 | 1 13 | 6 18 | 2 53 | 10 25 | 0 24 | 17 34 | 1 18 | 17 13 | 16 10 | 23 49 | 23 52 | 24 6 | | | n.a. |
| W 7 | 11 43 | 17 26 | 3 50 | 10 32 | 0 24 | 15 44 | 1 25 | 9 46 | 0 41 | 17 36 | 1 13 | 6 20 | 2 53 | 10 25 | 0 24 | 17 34 | 1 18 | 17 14 | 16 10 | 23 49 | 23 52 | 24 6 | | | n.a. |
| T 8 | 11 22 | 13 32 | 4 28 | 9 34 | 0 13 | 15 19 | 1 25 | 9 29 | 0 41 | 17 32 | 1 13 | 6 21 | 2 53 | 10 25 | 0 24 | 17 34 | 1 18 | 17 15 | 16 10 | 23 49 | 23 52 | 24 6 | | | n.a. |
| F 9 | 11 0 | 9 0 | 4 53 | 8 36 | 0 2 | 14 54 | 1 25 | 9 12 | 0 40 | 17 28 | 1 13 | 6 23 | 2 53 | 10 24 | 0 24 | 17 34 | 1 18 | 17 15 | 16 11 | 23 50 | 23 52 | 24 7 | | | n.a. |
| S 10 | 10 39 | 4 0 | 5 4 | 7 38 | 0n 8 | 14 28 | 1 25 | 8 55 | 0 39 | 17 23 | 1 13 | 6 25 | 2 53 | 10 24 | 0 24 | 17 34 | 1 19 | 17 16 | 16 11 | 23 50 | 23 52 | 24 7 | | | n.a. |
| S 11 | 10 18 | 1n15 | 5 0 | 6 39 | 0 20 | 14 2 | 1 25 | 8 38 | 0 39 | 17 19 | 1 13 | 6 27 | 2 53 | 10 23 | 0 24 | 17 34 | 1 19 | 17 17 | 16 11 | 23 50 | 23 52 | 24 7 | | | n.a. |
| M12 | 9 56 | 6 31 | 4 40 | 5 40 | 0 31 | 13 36 | 1 24 | 8 21 | 0 38 | 17 15 | 1 13 | 6 28 | 2 54 | 10 23 | 0 24 | 17 34 | 1 19 | 17 18 | 16 11 | 23 51 | 23 52 | 24 7 | | | n.a. |
| T 13 | 9 34 | 11 35 | 4 5 | 4 42 | 0 42 | 13 9 | 1 24 | 8 4 | 0 38 | 17 11 | 1 14 | 6 30 | 2 54 | 10 23 | 0 24 | 17 34 | 1 19 | 17 18 | 16 11 | 23 51 | 23 52 | 24 8 | | | n.a. |
| W14 | 9 13 | 16 11 | 3 15 | 3 44 | 0 53 | 12 42 | 1 23 | 7 47 | 0 37 | 17 6 | 1 14 | 6 32 | 2 54 | 10 22 | 0 24 | 17 34 | 1 19 | 17 19 | 16 11 | 23 51 | 23 53 | 24 8 | | | n.a. |
| T 15 | 8 51 | 19 59 | 2 13 | 2 46 | 1 4 | 12 14 | 1 23 | 7 30 | 0 37 | 17 2 | 1 14 | 6 34 | 2 54 | 10 22 | 0 24 | 17 34 | 1 19 | 17 20 | 16 11 | 23 51 | 23 53 | 24 8 | | | n.a. |
| F 16 | 8 28 | 22 41 | 1 2 | 1 50 | 1 14 | 11 47 | 1 22 | 7 12 | 0 36 | 16 58 | 1 14 | 6 35 | 2 54 | 10 21 | 0 24 | 17 34 | 1 19 | 17 21 | 16 12 | 23 51 | 23 53 | 24 8 | | | n.a. |
| S 17 | 8 6 | 23 58 | 0n14 | 0 55 | 1 25 | 11 19 | 1 21 | 6 55 | 0 36 | 16 53 | 1 14 | 6 37 | 2 54 | 10 21 | 0 24 | 17 33 | 1 19 | 17 21 | 16 12 | 23 51 | 23 53 | 24 9 | | | n.a. |
| S 18 | 7 44 | 23 40 | 1 29 | 0 1 | 1 35 | 10 50 | 1 21 | 6 38 | 0 35 | 16 49 | 1 14 | 6 39 | 2 54 | 10 20 | 0 24 | 17 33 | 1 19 | 17 22 | 16 12 | 23 51 | 23 53 | 24 9 | | | n.a. |
| M19 | 7 22 | 21 44 | 2 40 | 0n51 | 1 44 | 10 22 | 1 20 | 6 20 | 0 35 | 16 45 | 1 14 | 6 41 | 2 54 | 10 20 | 0 24 | 17 33 | 1 19 | 17 23 | 16 12 | 23 51 | 23 53 | 24 9 | | | n.a. |
| T 20 | 6 59 | 18 23 | 3 40 | 1 41 | 1 54 | 9 53 | 1 19 | 6 3 | 0 34 | 16 41 | 1 14 | 6 43 | 2 54 | 10 19 | 0 24 | 17 33 | 1 19 | 17 24 | 16 12 | 23 51 | 23 53 | 24 9 | | | n.a. |
| W21 | 6 36 | 13 54 | 4 25 | 2 30 | 2 2 | 9 24 | 1 18 | 5 46 | 0 33 | 16 36 | 1 14 | 6 44 | 2 54 | 10 19 | 0 24 | 17 33 | 1 19 | 17 24 | 16 12 | 23 51 | 23 53 | 24 9 | | | n.a. |
| T 22 | 6 14 | 8 40 | 4 53 | 3 16 | 2 10 | 8 54 | 1 17 | 5 28 | 0 33 | 16 32 | 1 14 | 6 46 | 2 54 | 10 18 | 0 24 | 17 33 | 1 19 | 17 25 | 16 12 | 23 52 | 23 53 | 24 9 | | | n.a. |
| F 23 | 5 51 | 3 6 | 5 2 | 4 1 | 2 17 | 8 25 | 1 16 | 5 11 | 0 32 | 16 28 | 1 15 | 6 48 | 2 54 | 10 17 | 0 24 | 17 33 | 1 19 | 17 26 | 16 12 | 23 52 | 23 53 | 24 10 | | | n.a. |
| S 24 | 5 28 | 2s30 | 4 53 | 4 43 | 2 24 | 7 55 | 1 15 | 4 53 | 0 32 | 16 24 | 1 15 | 6 50 | 2 54 | 10 17 | 0 24 | 17 33 | 1 19 | 17 26 | 16 12 | 23 52 | 23 53 | 24 10 | | | n.a. |
| S 25 | 5 5 | 7 49 | 4 29 | 5 23 | 2 30 | 7 25 | 1 14 | 4 36 | 0 31 | 16 19 | 1 15 | 6 52 | 2 54 | 10 16 | 0 24 | 17 33 | 1 19 | 17 27 | 16 12 | 23 53 | 23 53 | 24 10 | | | n.a. |
| M26 | 4 42 | 12 38 | 3 51 | 6 1 | 2 35 | 6 55 | 1 13 | 4 18 | 0 31 | 16 15 | 1 15 | 6 53 | 2 54 | 10 16 | 0 24 | 17 32 | 1 19 | 17 28 | 16 12 | 23 53 | 23 53 | 24 10 | | | n.a. |
| T 27 | 4 19 | 16 46 | 3 2 | 6 36 | 2 39 | 6 24 | 1 11 | 4 1 | 0 30 | 16 11 | 1 15 | 6 55 | 2 54 | 10 15 | 0 24 | 17 32 | 1 19 | 17 28 | 16 12 | 23 53 | 23 54 | 24 10 | | | n.a. |
| W28 | 3 56 | 20 6 | 2 6 | 7 8 | 2 43 | 5 54 | 1 10 | 3 43 | 0 30 | 16 7 | 1 15 | 6 57 | 2 54 | 10 14 | 0 24 | 17 32 | 1 19 | 17 29 | 16 12 | 23 53 | 23 54 | 24 10 | | | n.a. |
| T 29 | 3 33 | 22 29 | 1 6 | 7 39 | 2 46 | 5 23 | 1 9 | 3 26 | 0 29 | 16 2 | 1 15 | 6 59 | 2 54 | 10 14 | 0 24 | 17 32 | 1 19 | 17 30 | 16 12 | 23 53 | 23 54 | 24 11 | | | n.a. |
| F 30 | 3 10 | 23 50 | 0 4 | 8 6 | 2 47 | 4 52 | 1 7 | 3 8 | 0 28 | 15 58 | 1 15 | 7 1 | 2 54 | 10 13 | 0 24 | 17 32 | 1 19 | 17 30 | 16 12 | 23 53 | 23 54 | 24 11 | | | n.a. |
| S 31 | 2s47 | 24s 7 | 0s59 | 8n31 | 2n48 | 4s21 | 1s 6 | 2s51 | 0s28 | 15s54 | 1s16 | 7n 2 | 2n54 | 10s12 | 0n24 | 17s32 | 1n19 | 17n31 | 16n12 | 23n53 | 23n54 | 24s11 | | | n.a. |

Julian Day Number = 1004131.5, Delta T = 12h47m41s
Ecliptic obliquity = 23°55'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'59, Lahiri = -31°01'58 Julian Calendar 1 March 1964 BCE == Greg. Calendar 12 Feb. 1964 BCE

The year -1963 astronomical counting style corresponds to year 1964 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## APRIL 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 30 48 | 24♓ 5'23 | 26♉ 3 | 15♈44 | 22♓57 | 24♓43 | 21♒27 | 19°R 5 | 26°R54 | 22°R38 | 23°R12 | 3°R 5 | 2♋27 | 14♉33 | n.a. | S 1 |
| M 2 | 11 34 44 | 25° 2'57 | 7♒59 | 16°37 | 24°10 | 25°25 | 21°40 | 19♍ 0 | 26♎52 | 22♏37 | 23♍10 | 3♋ 1 | 2°24 | 14°40 | n.a. | M 2 |
| T 3 | 11 38 41 | 26° 0'30 | 20° 6 | 17°25 | 25°24 | 26° 7 | 21°53 | 18°56 | 26°50 | 22°37 | 23° 8 | 2°54 | 2°21 | 14°47 | n.a. | T 3 |
| W 4 | 11 42 37 | 26°58'01 | 2♓26 | 18° 8 | 26°38 | 26°49 | 22° 6 | 18°51 | 26°48 | 22°36 | 23° 7 | 2°45 | 2°17 | 14°53 | n.a. | W 4 |
| T 5 | 11 46 34 | 27°55'32 | 15° 2 | 18°47 | 27°52 | 27°31 | 22°19 | 18°47 | 26°46 | 22°35 | 23° 5 | 2°33 | 2°14 | 15° 0 | n.a. | T 5 |
| F 6 | 11 50 31 | 28°53'01 | 27°53 | 19°21 | 29° 5 | 28°13 | 22°32 | 18°43 | 26°44 | 22°34 | 23° 3 | 2°20 | 2°11 | 15° 7 | n.a. | F 6 |
| S 7 | 11 54 27 | 29°50'28 | 11♈ 1 | 19°51 | 0♈19 | 28°55 | 22°45 | 18°38 | 26°42 | 22°34 | 23° 1 | 2° 8 | 2° 8 | 15°13 | n.a. | S 7 |
| S 8 | 11 58 24 | 0♈47'55 | 24°21 | 20°16 | 1°33 | 29°36 | 22°58 | 18°34 | 26°40 | 22°33 | 23° 0 | 1°56 | 2° 5 | 15°20 | n.a. | S 8 |
| M 9 | 12 2 20 | 1°45'20 | 7♉54 | 20°36 | 2°46 | 0♈18 | 23°10 | 18°30 | 26°38 | 22°32 | 22°58 | 1°47 | 2° 1 | 15°27 | n.a. | M 9 |
| T 10 | 12 6 17 | 2°42'44 | 21°37 | 20°51 | 4° 0 | 1° 0 | 23°23 | 18°25 | 26°36 | 22°31 | 22°57 | 1°40 | 1°58 | 15°33 | n.a. | T 10 |
| W11 | 12 10 13 | 3°40'07 | 5♊27 | 21° 2 | 5°14 | 1°41 | 23°36 | 18°21 | 26°33 | 22°30 | 22°55 | 1°36 | 1°55 | 15°40 | n.a. | W11 |
| T 12 | 12 14 10 | 4°37'28 | 19°24 | 21° 8 | 6°27 | 2°23 | 23°48 | 18°17 | 26°31 | 22°29 | 22°53 | 1°35 | 1°52 | 15°47 | n.a. | T 12 |
| F 13 | 12 18 6 | 5°34'48 | 3♋27 | 21°R 9 | 7°41 | 3° 4 | 24° 1 | 18°13 | 26°29 | 22°28 | 22°52 | 1°35 | 1°49 | 15°53 | n.a. | F 13 |
| S 14 | 12 22 3 | 6°32'07 | 17°35 | 21° 6 | 8°55 | 3°46 | 24°13 | 18° 9 | 26°27 | 22°27 | 22°50 | 1°35 | 1°46 | 16° 0 | n.a. | S 14 |
| S 15 | 12 26 0 | 7°29'24 | 1♌47 | 20°58 | 10° 8 | 4°27 | 24°25 | 18° 5 | 26°25 | 22°26 | 22°48 | 1°33 | 1°42 | 16° 6 | n.a. | S 15 |
| M16 | 12 29 56 | 8°26'40 | 16° 2 | 20°46 | 11°22 | 5° 8 | 24°38 | 18° 1 | 26°22 | 22°25 | 22°47 | 1°29 | 1°39 | 16°13 | n.a. | M16 |
| T 17 | 12 33 53 | 9°23'54 | 0♍16 | 20°30 | 12°36 | 5°50 | 24°50 | 17°57 | 26°20 | 22°24 | 22°45 | 1°23 | 1°36 | 16°20 | n.a. | T 17 |
| W18 | 12 37 49 | 10°21'08 | 14°26 | 20°10 | 13°49 | 6°31 | 25° 2 | 17°53 | 26°18 | 22°23 | 22°44 | 1°14 | 1°33 | 16°26 | n.a. | W18 |
| T 19 | 12 41 46 | 11°18'20 | 28°27 | 19°47 | 15° 3 | 7°12 | 25°14 | 17°49 | 26°15 | 22°22 | 22°42 | 1° 3 | 1°30 | 16°33 | n.a. | T 19 |
| F 20 | 12 45 42 | 12°15'31 | 12♎15 | 19°21 | 16°17 | 7°53 | 25°26 | 17°45 | 26°13 | 22°21 | 22°40 | 0°52 | 1°27 | 16°40 | n.a. | F 20 |
| S 21 | 12 49 39 | 13°12'42 | 25°45 | 18°52 | 17°30 | 8°34 | 25°38 | 17°41 | 26°11 | 22°20 | 22°39 | 0°41 | 1°23 | 16°46 | n.a. | S 21 |
| S 22 | 12 53 35 | 14° 9'52 | 8♏55 | 18°21 | 18°44 | 9°15 | 25°49 | 17°37 | 26° 8 | 22°19 | 22°37 | 0°31 | 1°20 | 16°53 | n.a. | S 22 |
| M23 | 12 57 32 | 15° 7'01 | 21°45 | 17°49 | 19°58 | 9°56 | 26° 1 | 17°34 | 26° 6 | 22°17 | 22°36 | 0°23 | 1°17 | 17° 0 | n.a. | M23 |
| T 24 | 13 1 29 | 16° 4'10 | 4♐15 | 17°16 | 21°11 | 10°37 | 26°13 | 17°30 | 26° 3 | 22°16 | 22°34 | 0°18 | 1°14 | 17° 6 | n.a. | T 24 |
| W25 | 13 5 25 | 17° 1'18 | 16°28 | 16°42 | 22°25 | 11°18 | 26°24 | 17°26 | 26° 1 | 22°15 | 22°33 | 0°15 | 1°11 | 17°13 | n.a. | W25 |
| T 26 | 13 9 22 | 17°58'26 | 28°29 | 16° 8 | 23°38 | 11°59 | 26°36 | 17°23 | 25°59 | 22°14 | 22°31 | 0°D15 | 1° 7 | 17°20 | n.a. | T 26 |
| F 27 | 13 13 18 | 18°55'33 | 10♑20 | 15°36 | 24°52 | 12°40 | 26°47 | 17°19 | 25°56 | 22°12 | 22°30 | 0°15 | 1° 4 | 17°26 | n.a. | F 27 |
| S 28 | 13 17 15 | 19°52'40 | 22° 9 | 15° 4 | 26° 6 | 13°21 | 26°58 | 17°16 | 25°54 | 22°11 | 22°28 | 0°R15 | 1° 1 | 17°33 | n.a. | S 28 |
| S 29 | 13 21 11 | 20°49'47 | 4♒ 1 | 14°35 | 27°19 | 14° 2 | 27° 9 | 17°13 | 25°51 | 22°10 | 22°27 | 0°14 | 0°58 | 17°40 | n.a. | S 29 |
| M30 | 13 25 8 | 21♈46'53 | 15♒59 | 14♈ 7 | 28♈33 | 14♈42 | 27♒20 | 17♍ 9 | 25♎49 | 22♏ 9 | 22♍26 | 0♋11 | 0♋55 | 17♉46 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s24 | 23s18 | 1s58 | 8n54 | 2n48 | 3s50 | 1s 4 | 2s33 | 0s27 | 15s50 | 1s16 | 7n 4 | 2n54 | 10s12 | 0n24 | 17s31 | 1n19 | 17n32 | 16n12 | 23n53 | 23n54 | 24s11 | | n.a. |
| M 2 | 2 0 | 21 26 | 2 54 | 9 13 | 2 48 | 3 19 | 1 3 | 2 16 | 0 27 | 15 46 | 1 16 | 7 6 | 2 54 | 10 11 | 0 24 | 17 31 | 1 19 | 17 32 | 16 12 | 23 53 | 23 54 | 24 11 | | n.a. |
| T 3 | 1 37 | 18 34 | 3 42 | 9 31 | 2 46 | 2 48 | 1 1 | 1 58 | 0 26 | 15 41 | 1 16 | 7 8 | 2 54 | 10 10 | 0 24 | 17 31 | 1 19 | 17 33 | 16 12 | 23 53 | 23 54 | 24 11 | | n.a. |
| W 4 | 1 14 | 14 51 | 4 20 | 9 45 | 2 43 | 2 16 | 1 0 | 1 41 | 0 26 | 15 37 | 1 16 | 7 9 | 2 54 | 10 9 | 0 24 | 17 31 | 1 19 | 17 34 | 16 12 | 23 53 | 23 54 | 24 11 | | n.a. |
| T 5 | 0 50 | 10 24 | 4 47 | 9 57 | 2 39 | 1 45 | 0 58 | 1 23 | 0 25 | 15 33 | 1 16 | 7 11 | 2 54 | 10 9 | 0 24 | 17 31 | 1 19 | 17 34 | 16 12 | 23 54 | 23 54 | 24 11 | | n.a. |
| F 6 | 0 27 | 5 25 | 4 59 | 10 5 | 2 34 | 1 14 | 0 56 | 1 6 | 0 24 | 15 29 | 1 16 | 7 13 | 2 54 | 10 8 | 0 24 | 17 30 | 1 19 | 17 35 | 16 12 | 23 54 | 23 54 | 24 11 | | n.a. |
| S 7 | 0 4 | 0 6 | 4 57 | 10 11 | 2 28 | 0 42 | 0 54 | 0 48 | 0 24 | 15 25 | 1 17 | 7 14 | 2 54 | 10 7 | 0 24 | 17 30 | 1 19 | 17 35 | 16 11 | 23 54 | 23 54 | 24 12 | | n.a. |
| S 8 | 0n19 | 5n20 | 4 38 | 10 15 | 2 21 | 0 11 | 0 53 | 0 31 | 0 23 | 15 21 | 1 17 | 7 16 | 2 54 | 10 6 | 0 24 | 17 30 | 1 19 | 17 36 | 16 11 | 23 54 | 23 54 | 24 12 | | n.a. |
| M 9 | 0 43 | 10 35 | 4 3 | 10 15 | 2 13 | 0n21 | 0 51 | 0 14 | 0 23 | 15 16 | 1 17 | 7 18 | 2 54 | 10 6 | 0 24 | 17 30 | 1 19 | 17 36 | 16 11 | 23 54 | 23 54 | 24 12 | | n.a. |
| T 10 | 1 6 | 15 24 | 3 14 | 10 13 | 2 5 | 0 53 | 0 49 | 0n 4 | 0 22 | 15 12 | 1 17 | 7 19 | 2 54 | 10 5 | 0 24 | 17 29 | 1 19 | 17 37 | 16 11 | 23 55 | 23 54 | 24 12 | | n.a. |
| W11 | 1 29 | 19 27 | 2 13 | 10 8 | 1 55 | 1 24 | 0 47 | 0 21 | 0 22 | 15 8 | 1 17 | 7 21 | 2 54 | 10 4 | 0 24 | 17 29 | 1 19 | 17 38 | 16 11 | 23 55 | 23 54 | 24 12 | | n.a. |
| T 12 | 1 52 | 22 25 | 1 4 | 10 0 | 1 44 | 1 56 | 0 45 | 0 39 | 0 21 | 15 4 | 1 17 | 7 23 | 2 54 | 10 3 | 0 24 | 17 29 | 1 19 | 17 38 | 16 11 | 23 55 | 23 54 | 24 12 | | n.a. |
| F 13 | 2 16 | 24 2 | 0n10 | 9 50 | 1 32 | 2 27 | 0 43 | 0 56 | 0 20 | 15 0 | 1 18 | 7 24 | 2 54 | 10 2 | 0 24 | 17 29 | 1 20 | 17 39 | 16 11 | 23 55 | 23 54 | 24 12 | | n.a. |
| S 14 | 2 39 | 24 7 | 1 24 | 9 37 | 1 19 | 2 59 | 0 41 | 1 13 | 0 20 | 14 56 | 1 18 | 7 26 | 2 53 | 10 1 | 0 24 | 17 28 | 1 20 | 17 39 | 16 10 | 23 55 | 23 55 | 24 12 | | n.a. |
| S 15 | 3 2 | 22 38 | 2 33 | 9 21 | 1 6 | 3 30 | 0 39 | 1 31 | 0 19 | 14 52 | 1 18 | 7 27 | 2 53 | 10 1 | 0 24 | 17 28 | 1 20 | 17 40 | 16 10 | 23 55 | 23 55 | 24 12 | | n.a. |
| M16 | 3 25 | 19 43 | 3 32 | 9 3 | 0 51 | 4 1 | 0 37 | 1 48 | 0 19 | 14 48 | 1 18 | 7 29 | 2 53 | 10 0 | 0 24 | 17 28 | 1 20 | 17 40 | 16 10 | 23 55 | 23 55 | 24 12 | | n.a. |
| T 17 | 3 48 | 15 37 | 4 18 | 8 43 | 0 36 | 4 33 | 0 35 | 2 5 | 0 18 | 14 44 | 1 18 | 7 30 | 2 53 | 9 59 | 0 24 | 17 28 | 1 20 | 17 40 | 16 10 | 23 55 | 23 55 | 24 12 | | n.a. |
| W18 | 4 11 | 10 40 | 4 48 | 8 21 | 0 20 | 5 4 | 0 33 | 2 22 | 0 18 | 14 40 | 1 18 | 7 32 | 2 53 | 9 58 | 0 24 | 17 27 | 1 20 | 17 41 | 16 10 | 23 55 | 23 55 | 24 12 | | n.a. |
| T 19 | 4 34 | 5 12 | 5 1 | 7 57 | 0 4 | 5 35 | 0 30 | 2 39 | 0 17 | 14 36 | 1 19 | 7 33 | 2 53 | 9 57 | 0 24 | 17 27 | 1 20 | 17 41 | 16 9 | 23 55 | 23 55 | 24 12 | | n.a. |
| F 20 | 4 56 | 0s25 | 4 55 | 7 32 | 0s12 | 6 6 | 0 28 | 2 56 | 0 16 | 14 32 | 1 19 | 7 35 | 2 53 | 9 56 | 0 24 | 17 27 | 1 20 | 17 42 | 16 9 | 23 55 | 23 55 | 24 12 | | n.a. |
| S 21 | 5 19 | 5 55 | 4 33 | 7 5 | 0 29 | 6 36 | 0 26 | 3 13 | 0 16 | 14 28 | 1 19 | 7 36 | 2 53 | 9 56 | 0 24 | 17 26 | 1 20 | 17 42 | 16 9 | 23 55 | 23 55 | 24 12 | | n.a. |
| S 22 | 5 42 | 11 1 | 3 57 | 6 38 | 0 46 | 7 7 | 0 24 | 3 30 | 0 15 | 14 24 | 1 19 | 7 37 | 2 52 | 9 55 | 0 24 | 17 26 | 1 20 | 17 43 | 16 9 | 23 55 | 23 55 | 24 12 | | n.a. |
| M23 | 6 4 | 15 31 | 3 9 | 6 9 | 1 3 | 7 38 | 0 21 | 3 47 | 0 15 | 14 20 | 1 19 | 7 39 | 2 52 | 9 54 | 0 24 | 17 26 | 1 20 | 17 43 | 16 8 | 23 55 | 23 55 | 24 12 | | n.a. |
| T 24 | 6 27 | 19 14 | 2 13 | 5 41 | 1 20 | 8 8 | 0 19 | 4 4 | 0 14 | 14 17 | 1 20 | 7 40 | 2 52 | 9 53 | 0 24 | 17 25 | 1 20 | 17 43 | 16 8 | 23 55 | 23 55 | 24 12 | | n.a. |
| W25 | 6 49 | 22 1 | 1 13 | 5 13 | 1 36 | 8 38 | 0 17 | 4 21 | 0 13 | 14 13 | 1 20 | 7 41 | 2 52 | 9 52 | 0 24 | 17 25 | 1 20 | 17 44 | 16 8 | 23 55 | 23 55 | 24 12 | | n.a. |
| T 26 | 7 11 | 23 45 | 0 9 | 4 45 | 1 52 | 9 8 | 0 14 | 4 38 | 0 13 | 14 9 | 1 20 | 7 43 | 2 52 | 9 51 | 0 24 | 17 25 | 1 20 | 17 44 | 16 8 | 23 55 | 23 55 | 24 12 | | n.a. |
| F 27 | 7 33 | 24 24 | 0s54 | 4 19 | 2 7 | 9 38 | 0 12 | 4 55 | 0 12 | 14 5 | 1 20 | 7 44 | 2 52 | 9 50 | 0 24 | 17 24 | 1 20 | 17 44 | 16 7 | 23 55 | 23 55 | 24 12 | | n.a. |
| S 28 | 7 55 | 23 56 | 1 54 | 3 53 | 2 21 | 10 7 | 0 10 | 5 12 | 0 12 | 14 1 | 1 20 | 7 45 | 2 52 | 9 49 | 0 24 | 17 24 | 1 20 | 17 45 | 16 7 | 23 55 | 23 55 | 24 12 | | n.a. |
| S 29 | 8 17 | 22 23 | 2 50 | 3 29 | 2 35 | 10 37 | 0 7 | 5 28 | 0 11 | 13 58 | 1 21 | 7 46 | 2 51 | 9 48 | 0 24 | 17 24 | 1 20 | 17 45 | 16 7 | 23 55 | 23 55 | 24 12 | | n.a. |
| M30 | 8n39 | 19s50 | 3s38 | 3n 7 | 2s47 | 11n 6 | 0s 5 | 5n45 | 0s10 | 13s54 | 1s21 | 7n47 | 2n51 | 9s48 | 0n24 | 17s23 | 1n20 | 17n45 | 16n 6 | 23n55 | 23n55 | 24s12 | | n.a. |

Julian Day Number = 1004162.5, Delta T = 12h47m39s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'55, Lahiri = -31°01'54 Julian Calendar 1 Apr. 1964 BCE == Greg. Calendar 15 March 1964 BCE


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## MAY 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 29 5 | 22♈44'00 | 28♒11 | 13°R43 | 29♈47 | 15♈23 | 27♒31 | 17°R 6 | 25°R46 | 22°R 7 | 22°R24 | 0°R 7 | 0♋52 | 17♉53 | n.a. | T 1 |
| W 2 | 13 33 1 | 23°41'05 | 10♓38 | 13♈21 | 1♉ 0 | 16° 4 | 27°42 | 17♍ 3 | 25♎44 | 22♏ 6 | 22♍23 | 29♊59 | 0°48 | 18° 0 | n.a. | W 2 |
| T 3 | 13 36 58 | 24°38'11 | 23°24 | 13° 4 | 2°14 | 16°44 | 27°53 | 17° 0 | 25°42 | 22° 4 | 22°21 | 29°50 | 0°45 | 18° 6 | n.a. | T 3 |
| F 4 | 13 40 54 | 25°35'16 | 6♈30 | 12°50 | 3°27 | 17°25 | 28° 4 | 16°57 | 25°39 | 22° 3 | 22°20 | 29°40 | 0°42 | 18°13 | n.a. | F 4 |
| S 5 | 13 44 51 | 26°32'21 | 19°56 | 12°40 | 4°41 | 18° 5 | 28°14 | 16°54 | 25°37 | 22° 2 | 22°19 | 29°29 | 0°39 | 18°19 | n.a. | S 5 |
| S 6 | 13 48 47 | 27°29'26 | 3♉39 | 12°34 | 5°55 | 18°46 | 28°25 | 16°51 | 25°34 | 22° 0 | 22°17 | 29°20 | 0°36 | 18°26 | n.a. | S 6 |
| M 7 | 13 52 44 | 28°26'31 | 17°36 | 12°D33 | 7° 8 | 19°26 | 28°35 | 16°48 | 25°32 | 21°59 | 22°16 | 29°12 | 0°32 | 18°33 | n.a. | M 7 |
| T 8 | 13 56 40 | 29°23'35 | 1♊43 | 12°37 | 8°22 | 20° 7 | 28°46 | 16°46 | 25°29 | 21°57 | 22°15 | 29° 7 | 0°29 | 18°39 | n.a. | T 8 |
| W 9 | 14 0 37 | 0♉20'39 | 15°56 | 12°45 | 9°36 | 20°47 | 28°56 | 16°43 | 25°27 | 21°56 | 22°14 | 29° 4 | 0°26 | 18°46 | n.a. | W 9 |
| T 10 | 14 4 34 | 1°17'42 | 0♋10 | 12°58 | 10°49 | 21°27 | 29° 6 | 16°41 | 25°24 | 21°54 | 22°13 | 29°D 4 | 0°23 | 18°53 | n.a. | T 10 |
| F 11 | 14 8 30 | 2°14'46 | 14°24 | 13°16 | 12° 3 | 22° 8 | 29°16 | 16°38 | 25°22 | 21°53 | 22°11 | 29° 4 | 0°20 | 18°59 | n.a. | F 11 |
| S 12 | 14 12 27 | 3°11'48 | 28°35 | 13°38 | 13°16 | 22°48 | 29°26 | 16°36 | 25°20 | 21°51 | 22°10 | 29°R 5 | 0°17 | 19° 6 | n.a. | S 12 |
| S 13 | 14 16 23 | 4° 8'50 | 12♌42 | 14° 5 | 14°30 | 23°28 | 29°35 | 16°33 | 25°17 | 21°50 | 22° 9 | 29° 4 | 0°13 | 19°13 | n.a. | S 13 |
| M14 | 14 20 20 | 5° 5'52 | 26°44 | 14°37 | 15°44 | 24° 8 | 29°45 | 16°31 | 25°15 | 21°48 | 22° 8 | 29° 3 | 0°10 | 19°19 | n.a. | M14 |
| T 15 | 14 24 16 | 6° 2'54 | 10♍38 | 15°13 | 16°57 | 24°48 | 29°54 | 16°29 | 25°12 | 21°47 | 22° 7 | 28°58 | 0° 7 | 19°26 | n.a. | T 15 |
| W16 | 14 28 13 | 6°59'55 | 24°24 | 15°54 | 18°11 | 25°28 | 0♓ 4 | 16°27 | 25°10 | 21°45 | 22° 6 | 28°52 | 0° 4 | 19°33 | n.a. | W16 |
| T 17 | 14 32 10 | 7°56'56 | 8♎ 0 | 16°40 | 19°24 | 26° 8 | 0°13 | 16°25 | 25° 8 | 21°44 | 22° 5 | 28°45 | 0° 1 | 19°39 | n.a. | T 17 |
| F 18 | 14 36 6 | 8°53'57 | 21°23 | 17°30 | 20°38 | 26°48 | 0°22 | 16°23 | 25° 5 | 21°42 | 22° 4 | 28°36 | 29♊58 | 19°46 | n.a. | F 18 |
| S 19 | 14 40 3 | 9°50'58 | 4♏31 | 18°24 | 21°52 | 27°28 | 0°31 | 16°21 | 25° 3 | 21°41 | 22° 3 | 28°28 | 29°54 | 19°53 | n.a. | S 19 |
| S 20 | 14 43 59 | 10°47'59 | 17°23 | 19°23 | 23° 5 | 28° 8 | 0°40 | 16°20 | 25° 0 | 21°39 | 22° 2 | 28°21 | 29°51 | 19°59 | n.a. | S 20 |
| M21 | 14 47 56 | 11°45'01 | 29°59 | 20°25 | 24°19 | 28°48 | 0°49 | 16°18 | 24°58 | 21°37 | 22° 1 | 28°16 | 29°48 | 20° 6 | n.a. | M21 |
| T 22 | 14 51 52 | 12°42'02 | 12♐21 | 21°33 | 25°32 | 29°28 | 0°57 | 16°17 | 24°56 | 21°36 | 22° 0 | 28°13 | 29°45 | 20°13 | n.a. | T 22 |
| W23 | 14 55 49 | 13°39'05 | 24°29 | 22°44 | 26°46 | 0♑ 7 | 1° 6 | 16°15 | 24°54 | 21°34 | 21°59 | 28°D11 | 29°42 | 20°19 | n.a. | W23 |
| T 24 | 14 59 45 | 14°36'07 | 6♑27 | 23°59 | 28° 0 | 0°47 | 1°14 | 16°14 | 24°51 | 21°33 | 21°58 | 28°12 | 29°38 | 20°26 | n.a. | T 24 |
| F 25 | 15 3 42 | 15°33'11 | 18°18 | 25°19 | 29°13 | 1°27 | 1°23 | 16°13 | 24°49 | 21°31 | 21°57 | 28°13 | 29°35 | 20°33 | n.a. | F 25 |
| S 26 | 15 7 39 | 16°30'14 | 0♒ 6 | 26°42 | 0♊27 | 2° 6 | 1°31 | 16°11 | 24°47 | 21°29 | 21°57 | 28°14 | 29°32 | 20°39 | n.a. | S 26 |
| S 27 | 15 11 35 | 17°27'19 | 11°58 | 28°10 | 1°40 | 2°46 | 1°39 | 16°10 | 24°45 | 21°28 | 21°56 | 28°R16 | 29°29 | 20°46 | n.a. | S 27 |
| M28 | 15 15 32 | 18°24'24 | 23°57 | 29°41 | 2°54 | 3°26 | 1°46 | 16° 9 | 24°42 | 21°26 | 21°55 | 28°16 | 29°26 | 20°53 | n.a. | M28 |
| T 29 | 15 19 28 | 19°21'30 | 6♓10 | 1♉16 | 4° 8 | 4° 5 | 1°54 | 16° 9 | 24°40 | 21°24 | 21°54 | 28°14 | 29°23 | 20°59 | n.a. | T 29 |
| W30 | 15 23 25 | 20°18'36 | 18°39 | 2°55 | 5°21 | 4°45 | 2° 2 | 16° 8 | 24°38 | 21°23 | 21°54 | 28°11 | 29°19 | 21° 6 | n.a. | W30 |
| T 31 | 15 27 21 | 21♉15'44 | 1♈29 | 4♉37 | 6♊35 | 5♉24 | 2♓ 9 | 16♍ 7 | 24♎36 | 21♏21 | 21♍53 | 28♊ 7 | 29♊16 | 21♉13 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 9n 1 | 16s22 | 4s18 | 2n47 | 2s59 | 11n34 | 0s 3 | 6n 1 | 0s10 | 13s50 | 1s21 | 7n48 | 2n51 | 9s47 | 0n24 | 17s23 | 1n20 | 17n46 | 16n 6 | 23n55 | 23n55 | 24s12 | | | n.a. |
| W 2 | 9 22 | 12 8 | 4 47 | 2 29 | 3 9 | 12 3 | 0 0 | 6 18 | 0 9 | 13 47 | 1 21 | 7 50 | 2 51 | 9 46 | 0 24 | 17 22 | 1 20 | 17 46 | 16 6 | 23 55 | 23 55 | 24 12 | | | n.a. |
| T 3 | 9 44 | 7 16 | 5 2 | 2 14 | 3 18 | 12 31 | 0n 2 | 6 34 | 0 9 | 13 43 | 1 21 | 7 51 | 2 51 | 9 45 | 0 24 | 17 22 | 1 20 | 17 46 | 16 5 | 23 55 | 23 55 | 24 12 | | | n.a. |
| F 4 | 10 5 | 1 58 | 5 1 | 2 1 | 3 26 | 12 59 | 0 4 | 6 51 | 0 8 | 13 40 | 1 22 | 7 52 | 2 51 | 9 44 | 0 24 | 17 22 | 1 20 | 17 46 | 16 5 | 23 55 | 23 55 | 24 11 | | | n.a. |
| S 5 | 10 26 | 3n34 | 4 45 | 1 51 | 3 33 | 13 27 | 0 7 | 7 7 | 0 8 | 13 36 | 1 22 | 7 53 | 2 50 | 9 43 | 0 24 | 17 21 | 1 20 | 17 46 | 16 5 | 23 55 | 23 55 | 24 11 | | | n.a. |
| S 6 | 10 47 | 9 3 | 4 11 | 1 44 | 3 38 | 13 54 | 0 9 | 7 23 | 0 7 | 13 32 | 1 22 | 7 54 | 2 50 | 9 42 | 0 24 | 17 21 | 1 20 | 17 47 | 16 4 | 23 55 | 23 55 | 24 11 | | | n.a. |
| M 7 | 11 8 | 14 11 | 3 23 | 1 39 | 3 42 | 14 21 | 0 12 | 7 39 | 0 6 | 13 29 | 1 22 | 7 55 | 2 50 | 9 41 | 0 24 | 17 21 | 1 20 | 17 47 | 16 4 | 23 55 | 23 55 | 24 11 | | | n.a. |
| T 8 | 11 29 | 18 37 | 2 21 | 1 38 | 3 45 | 14 48 | 0 14 | 7 56 | 0 6 | 13 26 | 1 23 | 7 55 | 2 50 | 9 40 | 0 24 | 17 20 | 1 20 | 17 47 | 16 4 | 23 55 | 23 55 | 24 11 | | | n.a. |
| W 9 | 11 49 | 22 0 | 1 10 | 1 40 | 3 47 | 15 14 | 0 16 | 8 12 | 0 5 | 13 22 | 1 23 | 7 56 | 2 50 | 9 39 | 0 24 | 17 20 | 1 20 | 17 47 | 16 3 | 23 55 | 23 55 | 24 11 | | | n.a. |
| T 10 | 12 10 | 24 1 | 0n 6 | 1 44 | 3 48 | 15 40 | 0 19 | 8 27 | 0 5 | 13 19 | 1 23 | 7 57 | 2 49 | 9 39 | 0 24 | 17 19 | 1 20 | 17 47 | 16 3 | 23 55 | 23 55 | 24 11 | | | n.a. |
| F 11 | 12 30 | 24 28 | 1 21 | 1 51 | 3 47 | 16 6 | 0 21 | 8 43 | 0 4 | 13 15 | 1 23 | 7 58 | 2 49 | 9 38 | 0 24 | 17 19 | 1 20 | 17 47 | 16 2 | 23 55 | 23 55 | 24 11 | | | n.a. |
| S 12 | 12 50 | 23 20 | 2 32 | 2 2 | 3 46 | 16 31 | 0 24 | 8 59 | 0 3 | 13 12 | 1 24 | 7 59 | 2 49 | 9 37 | 0 24 | 17 19 | 1 20 | 17 47 | 16 2 | 23 55 | 23 55 | 24 11 | | | n.a. |
| S 13 | 13 9 | 20 43 | 3 32 | 2 14 | 3 43 | 16 55 | 0 26 | 9 15 | 0 3 | 13 9 | 1 24 | 7 59 | 2 49 | 9 36 | 0 24 | 17 18 | 1 20 | 17 48 | 16 1 | 23 55 | 23 55 | 24 10 | | | n.a. |
| M14 | 13 29 | 16 54 | 4 20 | 2 30 | 3 40 | 17 20 | 0 28 | 9 31 | 0 2 | 13 6 | 1 24 | 8 0 | 2 48 | 9 35 | 0 24 | 17 18 | 1 20 | 17 48 | 16 1 | 23 55 | 23 55 | 24 10 | | | n.a. |
| T 15 | 13 48 | 12 12 | 4 51 | 2 48 | 3 36 | 17 43 | 0 31 | 9 46 | 0 2 | 13 2 | 1 24 | 8 1 | 2 48 | 9 34 | 0 24 | 17 17 | 1 20 | 17 48 | 16 1 | 23 55 | 23 55 | 24 10 | | | n.a. |
| W16 | 14 7 | 6 55 | 5 6 | 3 9 | 3 30 | 18 7 | 0 33 | 10 2 | 0 1 | 12 59 | 1 25 | 8 1 | 2 48 | 9 33 | 0 24 | 17 17 | 1 20 | 17 48 | 16 0 | 23 55 | 23 55 | 24 10 | | | n.a. |
| T 17 | 14 26 | 1 23 | 5 3 | 3 32 | 3 24 | 18 30 | 0 35 | 10 17 | 0 0 | 12 56 | 1 25 | 8 2 | 2 48 | 9 32 | 0 24 | 17 17 | 1 20 | 17 48 | 16 0 | 23 55 | 23 55 | 24 10 | | | n.a. |
| F 18 | 14 45 | 4s 8 | 4 43 | 3 58 | 3 18 | 18 52 | 0 37 | 10 32 | 0n 0 | 12 53 | 1 25 | 8 2 | 2 48 | 9 31 | 0 24 | 17 16 | 1 20 | 17 48 | 15 59 | 23 55 | 23 55 | 24 10 | | | n.a. |
| S 19 | 15 4 | 9 23 | 4 9 | 4 26 | 3 10 | 19 14 | 0 40 | 10 47 | 0 1 | 12 50 | 1 25 | 8 3 | 2 47 | 9 31 | 0 24 | 17 16 | 1 20 | 17 48 | 15 59 | 23 55 | 23 55 | 24 9 | | | n.a. |
| S 20 | 15 22 | 14 8 | 3 22 | 4 56 | 3 2 | 19 35 | 0 42 | 11 3 | 0 1 | 12 47 | 1 26 | 8 3 | 2 47 | 9 30 | 0 24 | 17 15 | 1 20 | 17 48 | 15 58 | 23 55 | 23 55 | 24 9 | | | n.a. |
| M21 | 15 40 | 18 10 | 2 26 | 5 28 | 2 53 | 19 56 | 0 44 | 11 18 | 0 2 | 12 44 | 1 26 | 8 4 | 2 47 | 9 29 | 0 24 | 17 15 | 1 20 | 17 48 | 15 58 | 23 55 | 23 55 | 24 9 | | | n.a. |
| T 22 | 15 58 | 21 20 | 1 25 | 6 2 | 2 44 | 20 17 | 0 46 | 11 33 | 0 3 | 12 41 | 1 26 | 8 4 | 2 47 | 9 28 | 0 24 | 17 15 | 1 20 | 17 48 | 15 57 | 23 54 | 23 55 | 24 9 | | | n.a. |
| W23 | 16 15 | 23 28 | 0 20 | 6 38 | 2 34 | 20 36 | 0 48 | 11 47 | 0 3 | 12 38 | 1 26 | 8 4 | 2 46 | 9 27 | 0 24 | 17 14 | 1 20 | 17 47 | 15 57 | 23 54 | 23 55 | 24 9 | | | n.a. |
| T 24 | 16 32 | 24 30 | 0s45 | 7 16 | 2 24 | 20 56 | 0 50 | 12 2 | 0 4 | 12 36 | 1 27 | 8 5 | 2 46 | 9 26 | 0 24 | 17 14 | 1 20 | 17 47 | 15 56 | 23 54 | 23 55 | 24 8 | | | n.a. |
| F 25 | 16 50 | 24 25 | 1 47 | 7 55 | 2 13 | 21 14 | 0 52 | 12 17 | 0 4 | 12 33 | 1 27 | 8 5 | 2 46 | 9 26 | 0 24 | 17 13 | 1 20 | 17 47 | 15 56 | 23 54 | 23 55 | 24 8 | | | n.a. |
| S 26 | 17 6 | 23 13 | 2 45 | 8 37 | 2 2 | 21 32 | 0 54 | 12 31 | 0 5 | 12 30 | 1 27 | 8 5 | 2 46 | 9 25 | 0 24 | 17 13 | 1 20 | 17 47 | 15 55 | 23 55 | 23 55 | 24 8 | | | n.a. |
| S 27 | 17 23 | 20 59 | 3 35 | 9 19 | 1 50 | 21 50 | 0 56 | 12 46 | 0 6 | 12 28 | 1 27 | 8 5 | 2 45 | 9 24 | 0 24 | 17 12 | 1 20 | 17 47 | 15 55 | 23 55 | 23 55 | 24 8 | | | n.a. |
| M28 | 17 39 | 17 50 | 4 17 | 10 3 | 1 39 | 22 7 | 0 58 | 13 0 | 0 6 | 12 25 | 1 28 | 8 6 | 2 45 | 9 23 | 0 24 | 17 12 | 1 20 | 17 47 | 15 54 | 23 55 | 23 55 | 24 7 | | | n.a. |
| T 29 | 17 55 | 13 53 | 4 49 | 10 48 | 1 27 | 22 23 | 1 0 | 13 14 | 0 7 | 12 22 | 1 28 | 8 6 | 2 45 | 9 22 | 0 24 | 17 12 | 1 20 | 17 47 | 15 54 | 23 55 | 23 55 | 24 7 | | | n.a. |
| W30 | 18 11 | 9 16 | 5 7 | 11 34 | 1 15 | 22 39 | 1 2 | 13 29 | 0 7 | 12 20 | 1 28 | 8 6 | 2 45 | 9 22 | 0 24 | 17 11 | 1 20 | 17 46 | 15 53 | 23 54 | 23 55 | 24 7 | | | n.a. |
| T 31 | 18n26 | 4s 8 | 5s11 | 12n20 | 1s 2 | 22n54 | 1n 4 | 13n43 | 0n 8 | 12s17 | 1s29 | 8n 6 | 2n44 | 9s21 | 0n24 | 17s11 | 1n20 | 17n46 | 15n53 | 23n54 | 23n55 | 24s 7 | | | n.a. |

Julian Day Number = 1004192.5, Delta T = 12h47m37s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'51, Lahiri = -31°01'50 Julian Calendar 1 May 1964 BCE == Greg. Calendar 14 Apr. 1964 BCE

The year -1963 astronomical counting style corresponds to year 1964 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## JUNE 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 31 18 | 22♉12'52 | 14♈43 | 6♉22 | 7♊48 | 6♉ 4 | 2♓16 | 16°R 6 | 24°R34 | 21°R20 | 21°R53 | 28°R 1 | 29♊13 | 21♑19 | n.a. | F 1 |
| S 2 | 15 35 15 | 23°10'01 | 28°20 | 8°11 | 9° 2 | 6°43 | 2°24 | 16♍ 6 | 24♎32 | 21♏18 | 21♍52 | 27♊56 | 29°10 | 21°26 | n.a. | S 2 |
| S 3 | 15 39 11 | 24° 7'10 | 12♉19 | 10° 3 | 10°16 | 7°22 | 2°30 | 16° 6 | 24°30 | 21°16 | 21°51 | 27°51 | 29° 7 | 21°32 | n.a. | S 3 |
| M 4 | 15 43 8 | 25° 4'21 | 26°36 | 11°57 | 11°29 | 8° 2 | 2°37 | 16° 5 | 24°28 | 21°15 | 21°51 | 27°47 | 29° 4 | 21°39 | n.a. | M 4 |
| T 5 | 15 47 4 | 26° 1'32 | 11♊ 6 | 13°54 | 12°43 | 8°41 | 2°44 | 16° 5 | 24°26 | 21°13 | 21°50 | 27°44 | 29° 0 | 21°46 | n.a. | T 5 |
| W 6 | 15 51 1 | 26°58'44 | 25°44 | 15°54 | 13°56 | 9°20 | 2°50 | 16° 5 | 24°24 | 21°12 | 21°50 | 27°D44 | 28°57 | 21°52 | n.a. | W 6 |
| T 7 | 15 54 57 | 27°55'57 | 10♋22 | 17°55 | 15°10 | 10° 0 | 2°57 | 16°D 5 | 24°22 | 21°10 | 21°50 | 27°44 | 28°54 | 21°59 | n.a. | T 7 |
| F 8 | 15 58 54 | 28°53'10 | 24°56 | 19°58 | 16°23 | 10°39 | 3° 3 | 16° 5 | 24°20 | 21° 8 | 21°49 | 27°45 | 28°51 | 22° 6 | n.a. | F 8 |
| S 9 | 16 2 51 | 29°50'24 | 9♌21 | 22° 2 | 17°37 | 11°18 | 3° 9 | 16° 5 | 24°18 | 21° 7 | 21°49 | 27°47 | 28°48 | 22°12 | n.a. | S 9 |
| S 10 | 16 6 47 | 0♊47'38 | 23°33 | 24° 8 | 18°51 | 11°57 | 3°15 | 16° 5 | 24°17 | 21° 5 | 21°49 | 27°48 | 28°44 | 22°19 | n.a. | S 10 |
| M11 | 16 10 44 | 1°44'53 | 7♍32 | 26°14 | 20° 4 | 12°36 | 3°21 | 16° 6 | 24°15 | 21° 4 | 21°48 | 27°R48 | 28°41 | 22°26 | n.a. | M11 |
| T 12 | 16 14 40 | 2°42'08 | 21°15 | 28°20 | 21°18 | 13°15 | 3°26 | 16° 6 | 24°13 | 21° 2 | 21°48 | 27°46 | 28°38 | 22°32 | n.a. | T 12 |
| W13 | 16 18 37 | 3°39'24 | 4♎45 | 0♊26 | 22°31 | 13°54 | 3°32 | 16° 7 | 24°11 | 21° 0 | 21°48 | 27°44 | 28°35 | 22°39 | n.a. | W13 |
| T 14 | 16 22 33 | 4°36'41 | 17°59 | 2°33 | 23°45 | 14°33 | 3°37 | 16° 7 | 24°10 | 20°59 | 21°48 | 27°41 | 28°32 | 22°46 | n.a. | T 14 |
| F 15 | 16 26 30 | 5°33'59 | 0♏59 | 4°39 | 24°58 | 15°12 | 3°42 | 16° 8 | 24° 8 | 20°57 | 21°47 | 27°38 | 28°29 | 22°52 | n.a. | F 15 |
| S 16 | 16 30 26 | 6°31'17 | 13°45 | 6°44 | 26°12 | 15°51 | 3°47 | 16° 9 | 24° 6 | 20°56 | 21°47 | 27°35 | 28°25 | 22°59 | n.a. | S 16 |
| S 17 | 16 34 23 | 7°28'37 | 26°18 | 8°49 | 27°26 | 16°30 | 3°51 | 16°10 | 24° 5 | 20°54 | 21°47 | 27°32 | 28°22 | 23° 6 | n.a. | S 17 |
| M18 | 16 38 20 | 8°25'58 | 8♐39 | 10°52 | 28°39 | 17° 9 | 3°56 | 16°11 | 24° 3 | 20°53 | 21°47 | 27°30 | 28°19 | 23°12 | n.a. | M18 |
| T 19 | 16 42 16 | 9°23'20 | 20°48 | 12°55 | 29°53 | 17°47 | 4° 0 | 16°12 | 24° 2 | 20°51 | 21°D47 | 27°29 | 28°16 | 23°19 | n.a. | T 19 |
| W20 | 16 46 13 | 10°20'43 | 2♑49 | 14°56 | 1♋ 6 | 18°26 | 4° 4 | 16°13 | 24° 0 | 20°50 | 21°47 | 27°D29 | 28°13 | 23°26 | n.a. | W20 |
| T 21 | 16 50 9 | 11°18'07 | 14°42 | 16°56 | 2°20 | 19° 5 | 4° 8 | 16°15 | 23°59 | 20°48 | 21°47 | 27°30 | 28°10 | 23°32 | n.a. | T 21 |
| F 22 | 16 54 6 | 12°15'33 | 26°31 | 18°55 | 3°33 | 19°44 | 4°12 | 16°16 | 23°58 | 20°47 | 21°47 | 27°31 | 28° 6 | 23°39 | n.a. | F 22 |
| S 23 | 16 58 2 | 13°13'00 | 8♒20 | 20°52 | 4°47 | 20°22 | 4°16 | 16°18 | 23°56 | 20°45 | 21°47 | 27°32 | 28° 3 | 23°46 | n.a. | S 23 |
| S 24 | 17 1 59 | 14°10'29 | 20°11 | 22°48 | 6° 0 | 21° 1 | 4°19 | 16°19 | 23°55 | 20°44 | 21°48 | 27°34 | 28° 0 | 23°52 | n.a. | S 24 |
| M25 | 17 5 56 | 15° 7'59 | 2♓10 | 24°43 | 7°14 | 21°39 | 4°23 | 16°21 | 23°54 | 20°42 | 21°48 | 27°35 | 27°57 | 23°59 | n.a. | M25 |
| T 26 | 17 9 52 | 16° 5'31 | 14°21 | 26°35 | 8°27 | 22°18 | 4°26 | 16°23 | 23°53 | 20°41 | 21°48 | 27°R35 | 27°54 | 24° 6 | n.a. | T 26 |
| W27 | 17 13 49 | 17° 3'05 | 26°49 | 28°27 | 9°41 | 22°57 | 4°29 | 16°25 | 23°51 | 20°39 | 21°48 | 27°35 | 27°50 | 24°12 | n.a. | W27 |
| T 28 | 17 17 45 | 18° 0'40 | 9♈37 | 0♋17 | 10°54 | 23°35 | 4°31 | 16°26 | 23°50 | 20°38 | 21°49 | 27°34 | 27°47 | 24°19 | n.a. | T 28 |
| F 29 | 17 21 42 | 18°58'17 | 22°49 | 2° 5 | 12° 8 | 24°14 | 4°34 | 16°29 | 23°49 | 20°37 | 21°49 | 27°33 | 27°44 | 24°26 | n.a. | F 29 |
| S 30 | 17 25 38 | 19♊55'55 | 6♉27 | 3♋52 | 13♋21 | 24♉52 | 4♓36 | 16♍31 | 23♎48 | 20♏35 | 21♍49 | 27♊32 | 27♊41 | 24♑32 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 18n41 | 1n20 | 4s58 | 13n 8 | 0s50 | 23n 8 | 1n 6 | 13n57 | 0n 9 | 12s15 | 1s29 | 8n 6 | 2n44 | 9s20 | 0n24 | 17s10 | 1n20 | 17n46 | 15n52 | 23n54 | 23n55 | 24s 6 | | n.a. |
| S 2 | 18 56 | 6 55 | 4 29 | 13 55 | 0 38 | 23 22 | 1 8 | 14 10 | 0 9 | 12 13 | 1 29 | 8 6 | 2 44 | 9 19 | 0 24 | 17 10 | 1 20 | 17 46 | 15 52 | 23 54 | 23 55 | 24 6 | | n.a. |
| S 3 | 19 11 | 12 18 | 3 43 | 14 43 | 0 26 | 23 35 | 1 9 | 14 24 | 0 10 | 12 10 | 1 29 | 8 6 | 2 44 | 9 19 | 0 24 | 17 10 | 1 20 | 17 45 | 15 51 | 23 54 | 23 55 | 24 6 | | n.a. |
| M 4 | 19 25 | 17 10 | 2 42 | 15 30 | 0 14 | 23 47 | 1 11 | 14 38 | 0 10 | 12 8 | 1 30 | 8 6 | 2 43 | 9 18 | 0 24 | 17 9 | 1 20 | 17 45 | 15 51 | 23 54 | 23 55 | 24 6 | | n.a. |
| T 5 | 19 39 | 21 5 | 1 30 | 16 18 | 0 2 | 23 59 | 1 13 | 14 51 | 0 11 | 12 6 | 1 30 | 8 5 | 2 43 | 9 17 | 0 24 | 17 9 | 1 20 | 17 45 | 15 50 | 23 54 | 23 55 | 24 5 | | n.a. |
| W 6 | 19 52 | 23 40 | 0 11 | 17 4 | 0n 9 | 24 10 | 1 14 | 15 5 | 0 12 | 12 4 | 1 30 | 8 5 | 2 43 | 9 16 | 0 24 | 17 8 | 1 20 | 17 45 | 15 50 | 23 54 | 23 55 | 24 5 | | n.a. |
| T 7 | 20 6 | 24 39 | 1n 9 | 17 50 | 0 20 | 24 20 | 1 16 | 15 18 | 0 12 | 12 2 | 1 31 | 8 5 | 2 42 | 9 16 | 0 24 | 17 8 | 1 20 | 17 44 | 15 49 | 23 54 | 23 55 | 24 5 | | n.a. |
| F 8 | 20 19 | 23 56 | 2 24 | 18 34 | 0 30 | 24 29 | 1 17 | 15 31 | 0 13 | 12 0 | 1 31 | 8 5 | 2 42 | 9 15 | 0 24 | 17 7 | 1 20 | 17 44 | 15 49 | 23 54 | 23 55 | 24 4 | | n.a. |
| S 9 | 20 31 | 21 37 | 3 29 | 19 18 | 0 40 | 24 38 | 1 19 | 15 44 | 0 13 | 11 58 | 1 31 | 8 4 | 2 42 | 9 14 | 0 24 | 17 7 | 1 20 | 17 44 | 15 48 | 23 54 | 23 55 | 24 4 | | n.a. |
| S 10 | 20 44 | 18 1 | 4 20 | 19 59 | 0 50 | 24 46 | 1 20 | 15 57 | 0 14 | 11 56 | 1 32 | 8 4 | 2 42 | 9 14 | 0 24 | 17 7 | 1 20 | 17 43 | 15 48 | 23 54 | 23 55 | 24 4 | | n.a. |
| M11 | 20 56 | 13 28 | 4 55 | 20 39 | 0 59 | 24 54 | 1 21 | 16 10 | 0 15 | 11 54 | 1 32 | 8 4 | 2 41 | 9 13 | 0 24 | 17 6 | 1 20 | 17 43 | 15 47 | 23 54 | 23 55 | 24 3 | | n.a. |
| T 12 | 21 7 | 8 18 | 5 12 | 21 16 | 1 7 | 25 0 | 1 23 | 16 22 | 0 15 | 11 52 | 1 32 | 8 3 | 2 41 | 9 12 | 0 24 | 17 6 | 1 20 | 17 42 | 15 46 | 23 54 | 23 55 | 24 3 | | n.a. |
| W13 | 21 18 | 2 50 | 5 12 | 21 52 | 1 14 | 25 6 | 1 24 | 16 35 | 0 16 | 11 51 | 1 32 | 8 3 | 2 41 | 9 12 | 0 24 | 17 5 | 1 20 | 17 42 | 15 46 | 23 54 | 23 55 | 24 3 | | n.a. |
| T 14 | 21 29 | 2s39 | 4 55 | 22 25 | 1 21 | 25 11 | 1 25 | 16 47 | 0 16 | 11 49 | 1 33 | 8 2 | 2 41 | 9 11 | 0 24 | 17 5 | 1 20 | 17 42 | 15 45 | 23 54 | 23 55 | 24 2 | | n.a. |
| F 15 | 21 40 | 7 57 | 4 23 | 22 55 | 1 27 | 25 15 | 1 26 | 17 0 | 0 17 | 11 48 | 1 33 | 8 2 | 2 40 | 9 11 | 0 24 | 17 5 | 1 20 | 17 41 | 15 45 | 23 54 | 23 55 | 24 2 | | n.a. |
| S 16 | 21 50 | 12 49 | 3 38 | 23 23 | 1 32 | 25 19 | 1 27 | 17 12 | 0 18 | 11 46 | 1 33 | 8 1 | 2 40 | 9 10 | 0 24 | 17 4 | 1 20 | 17 41 | 15 44 | 23 54 | 23 55 | 24 2 | | n.a. |
| S 17 | 22 0 | 17 4 | 2 44 | 23 49 | 1 37 | 25 22 | 1 28 | 17 24 | 0 18 | 11 45 | 1 34 | 8 1 | 2 40 | 9 9 | 0 24 | 17 4 | 1 20 | 17 40 | 15 44 | 23 54 | 23 55 | 24 1 | | n.a. |
| M18 | 22 9 | 20 30 | 1 42 | 24 11 | 1 41 | 25 24 | 1 29 | 17 36 | 0 19 | 11 43 | 1 34 | 8 0 | 2 40 | 9 9 | 0 24 | 17 3 | 1 20 | 17 40 | 15 43 | 23 54 | 23 55 | 24 1 | | n.a. |
| T 19 | 22 18 | 22 59 | 0 37 | 24 31 | 1 44 | 25 25 | 1 30 | 17 47 | 0 19 | 11 42 | 1 34 | 7 59 | 2 39 | 9 8 | 0 24 | 17 3 | 1 20 | 17 39 | 15 42 | 23 54 | 23 55 | 24 1 | | n.a. |
| W20 | 22 27 | 24 23 | 0s29 | 24 49 | 1 47 | 25 25 | 1 31 | 17 59 | 0 20 | 11 41 | 1 35 | 7 58 | 2 39 | 9 8 | 0 24 | 17 3 | 1 19 | 17 39 | 15 42 | 23 54 | 23 54 | 24 0 | | n.a. |
| T 21 | 22 35 | 24 39 | 1 34 | 25 4 | 1 49 | 25 25 | 1 31 | 18 10 | 0 21 | 11 39 | 1 35 | 7 58 | 2 39 | 9 7 | 0 24 | 17 2 | 1 19 | 17 38 | 15 41 | 23 54 | 23 54 | 24 0 | | n.a. |
| F 22 | 22 43 | 23 47 | 2 34 | 25 16 | 1 50 | 25 24 | 1 32 | 18 22 | 0 21 | 11 38 | 1 35 | 7 57 | 2 39 | 9 7 | 0 23 | 17 2 | 1 19 | 17 37 | 15 41 | 23 54 | 23 54 | 23 59 | | n.a. |
| S 23 | 22 50 | 21 53 | 3 27 | 25 26 | 1 50 | 25 22 | 1 32 | 18 33 | 0 22 | 11 37 | 1 36 | 7 56 | 2 38 | 9 6 | 0 23 | 17 2 | 1 19 | 17 37 | 15 40 | 23 54 | 23 54 | 23 59 | | n.a. |
| S 24 | 22 58 | 19 1 | 4 12 | 25 34 | 1 50 | 25 20 | 1 33 | 18 44 | 0 22 | 11 36 | 1 36 | 7 55 | 2 38 | 9 6 | 0 23 | 17 1 | 1 19 | 17 36 | 15 40 | 23 54 | 23 54 | 23 59 | | n.a. |
| M25 | 23 4 | 15 21 | 4 47 | 25 39 | 1 50 | 25 16 | 1 33 | 18 55 | 0 23 | 11 35 | 1 36 | 7 54 | 2 38 | 9 6 | 0 23 | 17 1 | 1 19 | 17 36 | 15 39 | 23 54 | 23 54 | 23 58 | | n.a. |
| T 26 | 23 11 | 11 0 | 5 9 | 25 41 | 1 49 | 25 12 | 1 34 | 19 6 | 0 24 | 11 34 | 1 37 | 7 53 | 2 37 | 9 5 | 0 23 | 17 0 | 1 19 | 17 35 | 15 38 | 23 54 | 23 54 | 23 58 | | n.a. |
| W27 | 23 17 | 6 7 | 5 17 | 25 42 | 1 47 | 25 7 | 1 34 | 19 16 | 0 24 | 11 34 | 1 37 | 7 52 | 2 37 | 9 5 | 0 23 | 17 0 | 1 19 | 17 34 | 15 38 | 23 54 | 23 54 | 23 57 | | n.a. |
| T 28 | 23 22 | 0 51 | 5 10 | 25 40 | 1 45 | 25 2 | 1 34 | 19 27 | 0 25 | 11 33 | 1 37 | 7 51 | 2 37 | 9 4 | 0 23 | 17 0 | 1 19 | 17 34 | 15 37 | 23 54 | 23 54 | 23 57 | | n.a. |
| F 29 | 23 27 | 4n37 | 4 47 | 25 37 | 1 42 | 24 55 | 1 34 | 19 37 | 0 26 | 11 32 | 1 38 | 7 50 | 2 37 | 9 4 | 0 23 | 16 59 | 1 19 | 17 33 | 15 37 | 23 54 | 23 54 | 23 57 | | n.a. |
| S 30 | 23n32 | 10n 3 | 4s 7 | 25n31 | 1n39 | 24n48 | 1n34 | 19n47 | 0n26 | 11s32 | 1s38 | 7n49 | 2n36 | 9s 4 | 0n23 | 16s59 | 1n19 | 17n32 | 15n36 | 23n54 | 23n54 | 23s56 | | n.a. |

Julian Day Number = 1004223.5, Delta T = 12h47m35s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'46, Lahiri = -31°01'46 Julian Calendar 1 June 1964 BCE == Greg. Calendar 15 May 1964 BCE

The year -1963 astronomical counting style corresponds to year 1964 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## JULY 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 29 35 | 20♊53'36 | 20♉30 | 5♋38 | 14♋34 | 25♉30 | 4♓38 | 16♍33 | 23°R47 | 20°R34 | 21♍50 | 27°R31 | 27♊38 | 24♑39 | n.a. | S 1 |
| M 2 | 17 33 31 | 21°51'18 | 4♊57 | 7°22 | 15°48 | 26° 9 | 4°40 | 16°35 | 23♎46 | 20♏33 | 21°50 | 27♊31 | 27°35 | 24°46 | n.a. | M 2 |
| T 3 | 17 37 28 | 22°49'02 | 19°43 | 9° 5 | 17° 1 | 26°47 | 4°42 | 16°38 | 23°46 | 20°31 | 21°51 | 27°31 | 27°31 | 24°52 | n.a. | T 3 |
| W 4 | 17 41 25 | 23°46'47 | 4♋41 | 10°46 | 18°15 | 27°26 | 4°44 | 16°40 | 23°45 | 20°30 | 21°51 | 27°D31 | 27°28 | 24°59 | n.a. | W 4 |
| T 5 | 17 45 21 | 24°44'34 | 19°41 | 12°26 | 19°28 | 28° 4 | 4°45 | 16°43 | 23°44 | 20°29 | 21°52 | 27°31 | 27°25 | 25° 6 | n.a. | T 5 |
| F 6 | 17 49 18 | 25°42'23 | 4♌38 | 14° 4 | 20°42 | 28°42 | 4°46 | 16°45 | 23°43 | 20°27 | 21°52 | 27°31 | 27°22 | 25°12 | n.a. | F 6 |
| S 7 | 17 53 14 | 26°40'13 | 19°22 | 15°41 | 21°55 | 29°20 | 4°47 | 16°48 | 23°42 | 20°26 | 21°53 | 27°31 | 27°19 | 25°19 | n.a. | S 7 |
| S 8 | 17 57 11 | 27°38'04 | 3♍48 | 17°17 | 23° 8 | 29°59 | 4°48 | 16°51 | 23°42 | 20°25 | 21°53 | 27°R31 | 27°16 | 25°26 | n.a. | S 8 |
| M 9 | 18 1 7 | 28°35'57 | 17°53 | 18°51 | 24°22 | 0♊37 | 4°49 | 16°54 | 23°41 | 20°24 | 21°54 | 27°31 | 27°12 | 25°32 | n.a. | M 9 |
| T 10 | 18 5 4 | 29°33'51 | 1♎37 | 20°24 | 25°35 | 1°15 | 4°49 | 16°57 | 23°41 | 20°23 | 21°55 | 27°D31 | 27° 9 | 25°39 | n.a. | T 10 |
| W11 | 18 9 0 | 0♋31'46 | 14°58 | 21°55 | 26°49 | 1°53 | 4°R49 | 17° 0 | 23°40 | 20°21 | 21°56 | 27°31 | 27° 6 | 25°46 | n.a. | W11 |
| T 12 | 18 12 57 | 1°29'43 | 28° 0 | 23°25 | 28° 2 | 2°31 | 4°49 | 17° 3 | 23°40 | 20°20 | 21°56 | 27°31 | 27° 3 | 25°52 | n.a. | T 12 |
| F 13 | 18 16 54 | 2°27'41 | 10♏44 | 24°53 | 29°15 | 3° 9 | 4°49 | 17° 7 | 23°39 | 20°19 | 21°57 | 27°32 | 27° 0 | 25°59 | n.a. | F 13 |
| S 14 | 18 20 50 | 3°25'42 | 23°13 | 26°20 | 0♌28 | 3°47 | 4°49 | 17°10 | 23°39 | 20°18 | 21°58 | 27°32 | 26°56 | 26° 6 | n.a. | S 14 |
| S 15 | 18 24 47 | 4°23'43 | 5♐29 | 27°46 | 1°42 | 4°25 | 4°48 | 17°14 | 23°39 | 20°17 | 21°59 | 27°33 | 26°53 | 26°12 | n.a. | S 15 |
| M16 | 18 28 43 | 5°21'47 | 17°36 | 29°10 | 2°55 | 5° 3 | 4°47 | 17°17 | 23°39 | 20°16 | 22° 0 | 27°33 | 26°50 | 26°19 | n.a. | M16 |
| T 17 | 18 32 40 | 6°19'52 | 29°35 | 0♌33 | 4° 8 | 5°41 | 4°46 | 17°21 | 23°38 | 20°15 | 22° 1 | 27°R34 | 26°47 | 26°26 | n.a. | T 17 |
| W18 | 18 36 36 | 7°18'00 | 11♑28 | 1°54 | 5°22 | 6°19 | 4°45 | 17°24 | 23°38 | 20°14 | 22° 2 | 27°33 | 26°44 | 26°32 | n.a. | W18 |
| T 19 | 18 40 33 | 8°16'09 | 23°18 | 3°13 | 6°35 | 6°57 | 4°43 | 17°28 | 23°38 | 20°13 | 22° 3 | 27°32 | 26°41 | 26°39 | n.a. | T 19 |
| F 20 | 18 44 29 | 9°14'20 | 5♒ 7 | 4°31 | 7°48 | 7°34 | 4°42 | 17°32 | 23°D38 | 20°12 | 22° 4 | 27°31 | 26°37 | 26°46 | n.a. | F 20 |
| S 21 | 18 48 26 | 10°12'33 | 16°57 | 5°48 | 9° 1 | 8°12 | 4°40 | 17°36 | 23°38 | 20°11 | 22° 5 | 27°29 | 26°34 | 26°52 | n.a. | S 21 |
| S 22 | 18 52 23 | 11°10'48 | 28°50 | 7° 2 | 10°14 | 8°50 | 4°38 | 17°40 | 23°38 | 20°10 | 22° 6 | 27°27 | 26°31 | 26°59 | n.a. | S 22 |
| M23 | 18 56 19 | 12° 9'06 | 10♓51 | 8°15 | 11°27 | 9°28 | 4°36 | 17°44 | 23°38 | 20°10 | 22° 7 | 27°25 | 26°28 | 27° 6 | n.a. | M23 |
| T 24 | 19 0 16 | 13° 7'25 | 23° 2 | 9°26 | 12°41 | 10° 5 | 4°33 | 17°48 | 23°38 | 20° 9 | 22° 8 | 27°24 | 26°25 | 27°12 | n.a. | T 24 |
| W25 | 19 4 12 | 14° 5'47 | 5♈28 | 10°34 | 13°54 | 10°43 | 4°31 | 17°52 | 23°39 | 20° 8 | 22° 9 | 27°23 | 26°21 | 27°19 | n.a. | W25 |
| T 26 | 19 8 9 | 15° 4'11 | 18°11 | 11°41 | 15° 7 | 11°21 | 4°28 | 17°57 | 23°39 | 20° 7 | 22°10 | 27°D23 | 26°18 | 27°26 | n.a. | T 26 |
| F 27 | 19 12 5 | 16° 2'38 | 1♉17 | 12°46 | 16°20 | 11°58 | 4°25 | 18° 1 | 23°39 | 20° 6 | 22°12 | 27°23 | 26°15 | 27°32 | n.a. | F 27 |
| S 28 | 19 16 2 | 17° 1'07 | 14°47 | 13°48 | 17°33 | 12°36 | 4°22 | 18° 5 | 23°40 | 20° 6 | 22°13 | 27°24 | 26°12 | 27°39 | n.a. | S 28 |
| S 29 | 19 19 58 | 17°59'38 | 28°44 | 14°48 | 18°46 | 13°13 | 4°19 | 18°10 | 23°40 | 20° 5 | 22°14 | 27°26 | 26° 9 | 27°46 | n.a. | S 29 |
| M30 | 19 23 55 | 18°58'11 | 13♊ 7 | 15°45 | 19°59 | 13°51 | 4°15 | 18°15 | 23°41 | 20° 4 | 22°16 | 27°27 | 26° 6 | 27°52 | n.a. | M30 |
| T 31 | 19 27 51 | 19♋56'47 | 27♊54 | 16♌39 | 21♌12 | 14♊28 | 4♓11 | 18♍19 | 23♎41 | 20♏ 4 | 22♍17 | 27°R27 | 26♊ 2 | 27♑59 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 23n36 | 15n10 | 3s11 | 25n24 | 1n36 | 24n40 | 1n34 | 19n57 | 0n27 | 11s31 | 1s38 | 7n48 | 2n36 | 9s 3 | 0n23 | 16s59 | 1n19 | 17n32 | 15n35 | 23n54 | 23n54 | 23s56 | | | n.a. |
| M 2 | 23 40 | 19 33 | 2 2 | 25 14 | 1 32 | 24 32 | 1 34 | 20 7 | 0 27 | 11 31 | 1 39 | 7 47 | 2 36 | 9 3 | 0 23 | 16 58 | 1 19 | 17 31 | 15 35 | 23 54 | 23 54 | 23 55 | | | n.a. |
| T 3 | 23 43 | 22 48 | 0 43 | 25 3 | 1 27 | 24 22 | 1 34 | 20 17 | 0 28 | 11 30 | 1 39 | 7 46 | 2 36 | 9 3 | 0 23 | 16 58 | 1 19 | 17 30 | 15 34 | 23 54 | 23 54 | 23 55 | | | n.a. |
| W 4 | 23 46 | 24 30 | 0n40 | 24 51 | 1 23 | 24 12 | 1 34 | 20 27 | 0 29 | 11 30 | 1 39 | 7 44 | 2 35 | 9 2 | 0 23 | 16 58 | 1 19 | 17 30 | 15 34 | 23 54 | 23 54 | 23 54 | | | n.a. |
| T 5 | 23 49 | 24 25 | 2 0 | 24 37 | 1 18 | 24 1 | 1 34 | 20 36 | 0 29 | 11 30 | 1 40 | 7 43 | 2 35 | 9 2 | 0 23 | 16 58 | 1 19 | 17 29 | 15 33 | 23 54 | 23 54 | 23 54 | | | n.a. |
| F 6 | 23 51 | 22 35 | 3 12 | 24 21 | 1 12 | 23 50 | 1 33 | 20 45 | 0 30 | 11 30 | 1 40 | 7 42 | 2 35 | 9 2 | 0 23 | 16 57 | 1 19 | 17 28 | 15 33 | 23 54 | 23 54 | 23 53 | | | n.a. |
| S 7 | 23 53 | 19 15 | 4 10 | 24 4 | 1 6 | 23 37 | 1 33 | 20 54 | 0 30 | 11 30 | 1 40 | 7 41 | 2 35 | 9 2 | 0 23 | 16 57 | 1 19 | 17 27 | 15 32 | 23 54 | 23 54 | 23 53 | | | n.a. |
| S 8 | 23 54 | 14 49 | 4 51 | 23 46 | 1 0 | 23 25 | 1 32 | 21 3 | 0 31 | 11 30 | 1 41 | 7 39 | 2 34 | 9 1 | 0 23 | 16 57 | 1 19 | 17 27 | 15 31 | 23 54 | 23 53 | 23 52 | | | n.a. |
| M 9 | 23 55 | 9 40 | 5 13 | 23 27 | 0 54 | 23 11 | 1 32 | 21 12 | 0 32 | 11 30 | 1 41 | 7 38 | 2 34 | 9 1 | 0 23 | 16 56 | 1 19 | 17 26 | 15 31 | 23 54 | 23 53 | 23 52 | | | n.a. |
| T 10 | 23 55 | 4 10 | 5 17 | 23 7 | 0 47 | 22 57 | 1 31 | 21 21 | 0 32 | 11 30 | 1 41 | 7 36 | 2 34 | 9 1 | 0 23 | 16 56 | 1 19 | 17 25 | 15 30 | 23 54 | 23 53 | 23 51 | | | n.a. |
| W11 | 23 55 | 1s22 | 5 3 | 22 45 | 0 40 | 22 42 | 1 30 | 21 29 | 0 33 | 11 30 | 1 42 | 7 35 | 2 34 | 9 1 | 0 23 | 16 56 | 1 19 | 17 24 | 15 30 | 23 54 | 23 53 | 23 51 | | | n.a. |
| T 12 | 23 55 | 6 43 | 4 34 | 22 23 | 0 33 | 22 26 | 1 30 | 21 38 | 0 33 | 11 31 | 1 42 | 7 33 | 2 33 | 9 1 | 0 23 | 16 56 | 1 19 | 17 23 | 15 29 | 23 54 | 23 53 | 23 50 | | | n.a. |
| F 13 | 23 54 | 11 41 | 3 52 | 22 0 | 0 25 | 22 10 | 1 29 | 21 46 | 0 34 | 11 31 | 1 42 | 7 32 | 2 33 | 9 1 | 0 23 | 16 55 | 1 19 | 17 23 | 15 29 | 23 54 | 23 53 | 23 50 | | | n.a. |
| S 14 | 23 52 | 16 3 | 2 59 | 21 36 | 0 18 | 21 53 | 1 28 | 21 54 | 0 35 | 11 32 | 1 43 | 7 30 | 2 33 | 9 0 | 0 23 | 16 55 | 1 19 | 17 22 | 15 28 | 23 54 | 23 53 | 23 49 | | | n.a. |
| S 15 | 23 51 | 19 41 | 2 0 | 21 11 | 0 10 | 21 35 | 1 27 | 22 2 | 0 35 | 11 32 | 1 43 | 7 29 | 2 33 | 9 0 | 0 23 | 16 55 | 1 19 | 17 21 | 15 27 | 23 54 | 23 53 | 23 49 | | | n.a. |
| M16 | 23 49 | 22 25 | 0 55 | 20 46 | 0 2 | 21 17 | 1 26 | 22 9 | 0 36 | 11 33 | 1 43 | 7 27 | 2 32 | 9 0 | 0 23 | 16 55 | 1 19 | 17 20 | 15 27 | 23 54 | 23 53 | 23 48 | | | n.a. |
| T 17 | 23 46 | 24 6 | 0s11 | 20 20 | 0s 6 | 20 59 | 1 25 | 22 17 | 0 37 | 11 33 | 1 44 | 7 25 | 2 32 | 9 0 | 0 23 | 16 54 | 1 19 | 17 19 | 15 26 | 23 54 | 23 53 | 23 47 | | | n.a. |
| W18 | 23 43 | 24 41 | 1 16 | 19 54 | 0 15 | 20 39 | 1 23 | 22 24 | 0 37 | 11 34 | 1 44 | 7 24 | 2 32 | 9 0 | 0 23 | 16 54 | 1 18 | 17 18 | 15 26 | 23 54 | 23 53 | 23 47 | | | n.a. |
| T 19 | 23 39 | 24 8 | 2 18 | 19 27 | 0 24 | 20 19 | 1 22 | 22 32 | 0 38 | 11 35 | 1 44 | 7 22 | 2 32 | 9 0 | 0 23 | 16 54 | 1 18 | 17 17 | 15 25 | 23 54 | 23 53 | 23 46 | | | n.a. |
| F 20 | 23 35 | 22 30 | 3 13 | 19 0 | 0 32 | 19 59 | 1 21 | 22 39 | 0 38 | 11 36 | 1 45 | 7 20 | 2 32 | 9 0 | 0 23 | 16 54 | 1 18 | 17 16 | 15 25 | 23 54 | 23 53 | 23 46 | | | n.a. |
| S 21 | 23 31 | 19 53 | 4 1 | 18 32 | 0 41 | 19 38 | 1 19 | 22 45 | 0 39 | 11 37 | 1 45 | 7 19 | 2 31 | 9 0 | 0 23 | 16 53 | 1 18 | 17 15 | 15 24 | 23 54 | 23 52 | 23 45 | | | n.a. |
| S 22 | 23 26 | 16 26 | 4 38 | 18 5 | 0 50 | 19 16 | 1 18 | 22 52 | 0 40 | 11 38 | 1 45 | 7 17 | 2 31 | 9 0 | 0 23 | 16 53 | 1 18 | 17 14 | 15 24 | 23 54 | 23 52 | 23 45 | | | n.a. |
| M23 | 23 21 | 12 18 | 5 3 | 17 37 | 0 59 | 18 54 | 1 16 | 22 59 | 0 40 | 11 39 | 1 46 | 7 15 | 2 31 | 9 0 | 0 23 | 16 53 | 1 18 | 17 14 | 15 23 | 23 54 | 23 52 | 23 44 | | | n.a. |
| T 24 | 23 15 | 7 37 | 5 15 | 17 9 | 1 8 | 18 32 | 1 14 | 23 5 | 0 41 | 11 40 | 1 46 | 7 13 | 2 31 | 9 0 | 0 23 | 16 53 | 1 18 | 17 13 | 15 22 | 23 54 | 23 52 | 23 43 | | | n.a. |
| W25 | 23 9 | 2 34 | 5 13 | 16 42 | 1 18 | 18 9 | 1 13 | 23 11 | 0 41 | 11 41 | 1 46 | 7 11 | 2 30 | 9 1 | 0 23 | 16 53 | 1 18 | 17 12 | 15 22 | 23 54 | 23 52 | 23 43 | | | n.a. |
| T 26 | 23 3 | 2n44 | 4 56 | 16 14 | 1 27 | 17 45 | 1 11 | 23 17 | 0 42 | 11 43 | 1 46 | 7 9 | 2 30 | 9 1 | 0 23 | 16 53 | 1 18 | 17 11 | 15 21 | 23 54 | 23 52 | 23 42 | | | n.a. |
| F 27 | 22 56 | 8 4 | 4 23 | 15 47 | 1 36 | 17 21 | 1 9 | 23 23 | 0 43 | 11 44 | 1 47 | 7 7 | 2 30 | 9 1 | 0 23 | 16 52 | 1 18 | 17 10 | 15 21 | 23 54 | 23 52 | 23 42 | | | n.a. |
| S 28 | 22 49 | 13 11 | 3 34 | 15 20 | 1 46 | 16 57 | 1 7 | 23 29 | 0 43 | 11 46 | 1 47 | 7 5 | 2 30 | 9 1 | 0 22 | 16 52 | 1 18 | 17 9 | 15 20 | 23 54 | 23 52 | 23 41 | | | n.a. |
| S 29 | 22 41 | 17 49 | 2 32 | 14 54 | 1 55 | 16 32 | 1 5 | 23 34 | 0 44 | 11 47 | 1 47 | 7 3 | 2 30 | 9 1 | 0 22 | 16 52 | 1 18 | 17 8 | 15 20 | 23 54 | 23 52 | 23 40 | | | n.a. |
| M30 | 22 33 | 21 32 | 1 18 | 14 28 | 2 4 | 16 6 | 1 3 | 23 39 | 0 45 | 11 49 | 1 48 | 7 1 | 2 29 | 9 1 | 0 22 | 16 52 | 1 18 | 17 7 | 15 19 | 23 54 | 23 52 | 23 40 | | | n.a. |
| T 31 | 22n24 | 23n57 | 0n 2 | 14n 3 | 2s13 | 15n40 | 1n 1 | 23n45 | 0n45 | 11s50 | 1s48 | 6n59 | 2n29 | 9s 2 | 0n22 | 16s52 | 1n18 | 17n 6 | 15n19 | 23n54 | 23n52 | 23s39 | | | n.a. |

Julian Day Number = 1004253.5, Delta T = 12h47m33s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'42, Lahiri = -31°01'42 Julian Calendar 1 July 1964 BCE == Greg. Calendar 14 June 1964 BCE

The year -1963 astronomical counting style corresponds to year 1964 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## AUGUST 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 31 48 | 20♋55'26 | 12♋58 | 17♌30 | 22♌25 | 15♊ 6 | 4°R 7 | 18♍24 | 23♎42 | 20°R 3 | 22♍18 | 27°R27 | 25♊59 | 28♉ 6 | n.a. | W 1 |
| T 2 | 19 35 45 | 21°54'06 | 28°11 | 18°18 | 23°38 | 15°43 | 4♓ 3 | 18°29 | 23°42 | 20♏ 3 | 22°20 | 27♊25 | 25°56 | 28°12 | n.a. | T 2 |
| F 3 | 19 39 41 | 22°52'49 | 13♌23 | 19° 3 | 24°51 | 16°21 | 3°59 | 18°34 | 23°43 | 20° 2 | 22°21 | 27°22 | 25°53 | 28°19 | n.a. | F 3 |
| S 4 | 19 43 38 | 23°51'33 | 28°25 | 19°44 | 26° 4 | 16°58 | 3°55 | 18°39 | 23°44 | 20° 2 | 22°23 | 27°18 | 25°50 | 28°26 | n.a. | S 4 |
| S 5 | 19 47 34 | 24°50'19 | 13♍ 7 | 20°20 | 27°17 | 17°35 | 3°50 | 18°44 | 23°44 | 20° 1 | 22°24 | 27°15 | 25°47 | 28°32 | n.a. | S 5 |
| M 6 | 19 51 31 | 25°49'08 | 27°25 | 20°53 | 28°30 | 18°13 | 3°45 | 18°49 | 23°45 | 20° 1 | 22°26 | 27°11 | 25°43 | 28°39 | n.a. | M 6 |
| T 7 | 19 55 27 | 26°47'58 | 11♎16 | 21°21 | 29°42 | 18°50 | 3°40 | 18°54 | 23°46 | 20° 0 | 22°27 | 27° 9 | 25°40 | 28°46 | n.a. | T 7 |
| W 8 | 19 59 24 | 27°46'50 | 24°39 | 21°43 | 0♍55 | 19°27 | 3°35 | 18°59 | 23°47 | 20° 0 | 22°29 | 27°D 8 | 25°37 | 28°52 | n.a. | W 8 |
| T 9 | 20 3 20 | 28°45'43 | 7♏37 | 22° 1 | 2° 8 | 20° 4 | 3°30 | 19° 4 | 23°48 | 20° 0 | 22°31 | 27° 9 | 25°34 | 28°59 | n.a. | T 9 |
| F 10 | 20 7 17 | 29°44'39 | 20°14 | 22°12 | 3°21 | 20°41 | 3°24 | 19° 9 | 23°49 | 19°59 | 22°32 | 27°10 | 25°31 | 29° 6 | n.a. | F 10 |
| S 11 | 20 11 13 | 0♌43'37 | 2♐34 | 22°R17 | 4°33 | 21°18 | 3°19 | 19°15 | 23°50 | 19°59 | 22°34 | 27°12 | 25°27 | 29°12 | n.a. | S 11 |
| S 12 | 20 15 10 | 1°42'37 | 14°40 | 22°16 | 5°46 | 21°56 | 3°13 | 19°20 | 23°51 | 19°59 | 22°36 | 27°13 | 25°24 | 29°19 | n.a. | S 12 |
| M13 | 20 19 7 | 2°41'39 | 26°37 | 22° 8 | 6°59 | 22°33 | 3° 7 | 19°26 | 23°53 | 19°59 | 22°37 | 27°R14 | 25°21 | 29°26 | n.a. | M13 |
| T 14 | 20 23 3 | 3°40'43 | 8♑29 | 21°52 | 8°11 | 23°10 | 3° 1 | 19°31 | 23°54 | 19°58 | 22°39 | 27°13 | 25°18 | 29°32 | n.a. | T 14 |
| W15 | 20 27 0 | 4°39'49 | 20°18 | 21°29 | 9°24 | 23°47 | 2°55 | 19°37 | 23°55 | 19°58 | 22°41 | 27°11 | 25°15 | 29°39 | n.a. | W15 |
| T 16 | 20 30 56 | 5°38'57 | 2♒ 7 | 20°59 | 10°36 | 24°24 | 2°48 | 19°43 | 23°57 | 19°58 | 22°43 | 27° 6 | 25°12 | 29°46 | n.a. | T 16 |
| F 17 | 20 34 53 | 6°38'07 | 13°57 | 20°20 | 11°49 | 25° 0 | 2°42 | 19°48 | 23°58 | 19°58 | 22°45 | 27° 0 | 25° 8 | 29°52 | n.a. | F 17 |
| S 18 | 20 38 49 | 7°37'20 | 25°52 | 19°35 | 13° 1 | 25°37 | 2°35 | 19°54 | 23°59 | 19°58 | 22°46 | 26°53 | 25° 5 | 29°59 | n.a. | S 18 |
| S 19 | 20 42 46 | 8°36'35 | 7♓52 | 18°42 | 14°14 | 26°14 | 2°28 | 20° 0 | 24° 1 | 19°D58 | 22°48 | 26°45 | 25° 2 | 0♒ 6 | n.a. | S 19 |
| M20 | 20 46 42 | 9°35'52 | 20° 0 | 17°44 | 15°26 | 26°51 | 2°21 | 20° 6 | 24° 2 | 19°58 | 22°50 | 26°37 | 24°59 | 0°12 | n.a. | M20 |
| T 21 | 20 50 39 | 10°35'12 | 2♈16 | 16°40 | 16°39 | 27°28 | 2°14 | 20°12 | 24° 4 | 19°58 | 22°52 | 26°30 | 24°56 | 0°19 | n.a. | T 21 |
| W22 | 20 54 35 | 11°34'34 | 14°45 | 15°32 | 17°51 | 28° 4 | 2° 7 | 20°17 | 24° 6 | 19°58 | 22°54 | 26°25 | 24°53 | 0°26 | n.a. | W22 |
| T 23 | 20 58 32 | 12°33'58 | 27°28 | 14°22 | 19° 3 | 28°41 | 2° 0 | 20°23 | 24° 7 | 19°58 | 22°56 | 26°22 | 24°49 | 0°32 | n.a. | T 23 |
| F 24 | 21 2 29 | 13°33'25 | 10♉29 | 13°11 | 20°16 | 29°18 | 1°53 | 20°29 | 24° 9 | 19°58 | 22°58 | 26°D21 | 24°46 | 0°39 | n.a. | F 24 |
| S 25 | 21 6 25 | 14°32'54 | 23°50 | 12° 2 | 21°28 | 29°55 | 1°45 | 20°36 | 24°11 | 19°59 | 23° 0 | 26°21 | 24°43 | 0°46 | n.a. | S 25 |
| S 26 | 21 10 22 | 15°32'27 | 7♊35 | 10°56 | 22°40 | 0♋31 | 1°38 | 20°42 | 24°13 | 19°59 | 23° 2 | 26°22 | 24°40 | 0°52 | n.a. | S 26 |
| M27 | 21 14 18 | 16°32'01 | 21°45 | 9°55 | 23°52 | 1° 8 | 1°30 | 20°48 | 24°14 | 19°59 | 23° 4 | 26°R23 | 24°37 | 0°59 | n.a. | M27 |
| T 28 | 21 18 15 | 17°31'38 | 6♋18 | 9° 1 | 25° 4 | 1°44 | 1°23 | 20°54 | 24°16 | 19°59 | 23° 6 | 26°23 | 24°33 | 1° 6 | n.a. | T 28 |
| W29 | 21 22 11 | 18°31'18 | 21°12 | 8°16 | 26°16 | 2°21 | 1°15 | 21° 0 | 24°18 | 20° 0 | 23° 8 | 26°20 | 24°30 | 1°12 | n.a. | W29 |
| T 30 | 21 26 8 | 19°31'00 | 6♌20 | 7°40 | 27°28 | 2°57 | 1° 7 | 21° 7 | 24°20 | 20° 0 | 23°10 | 26°16 | 24°27 | 1°19 | n.a. | T 30 |
| F 31 | 21 30 4 | 20♌30'44 | 21♌33 | 7♌15 | 28♍40 | 3♋34 | 0♓59 | 21♍13 | 24♎22 | 20♏ 0 | 23♍12 | 26♊ 9 | 24♊24 | 1♒26 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 22n15 | 24n40 | 1n24 | 13n38 | 2s22 | 15n14 | 0n58 | 23n50 | 0n46 | 11s52 | 1s48 | 6n57 | 2n29 | 9s 2 | 0n22 | 16s52 | 1n18 | 17n 5 | 15n18 | 23n54 | 23n51 | 23s38 | | | n.a. |
| T 2 | 22 6 | 23 34 | 2 41 | 13 15 | 2 31 | 14 48 | 0 56 | 23 54 | 0 46 | 11 54 | 1 48 | 6 55 | 2 29 | 9 2 | 0 22 | 16 52 | 1 18 | 17 4 | 15 18 | 23 54 | 23 51 | 23 38 | | | n.a. |
| F 3 | 21 56 | 20 45 | 3 46 | 12 53 | 2 40 | 14 21 | 0 54 | 23 59 | 0 47 | 11 56 | 1 49 | 6 53 | 2 29 | 9 2 | 0 22 | 16 52 | 1 18 | 17 3 | 15 17 | 23 54 | 23 51 | 23 37 | | | n.a. |
| S 4 | 21 46 | 16 33 | 4 35 | 12 32 | 2 49 | 13 53 | 0 51 | 24 4 | 0 48 | 11 58 | 1 49 | 6 51 | 2 28 | 9 3 | 0 22 | 16 51 | 1 18 | 17 1 | 15 17 | 23 54 | 23 51 | 23 36 | | | n.a. |
| S 5 | 21 35 | 11 25 | 5 4 | 12 12 | 2 57 | 13 26 | 0 49 | 24 8 | 0 48 | 12 0 | 1 49 | 6 49 | 2 28 | 9 3 | 0 22 | 16 51 | 1 18 | 17 0 | 15 16 | 23 53 | 23 51 | 23 36 | | | n.a. |
| M 6 | 21 24 | 5 49 | 5 14 | 11 54 | 3 5 | 12 57 | 0 46 | 24 12 | 0 49 | 12 2 | 1 50 | 6 46 | 2 28 | 9 3 | 0 22 | 16 51 | 1 18 | 16 59 | 15 16 | 23 53 | 23 51 | 23 35 | | | n.a. |
| T 7 | 21 13 | 0 7 | 5 4 | 11 38 | 3 13 | 12 29 | 0 44 | 24 16 | 0 50 | 12 4 | 1 50 | 6 44 | 2 28 | 9 4 | 0 22 | 16 51 | 1 18 | 16 58 | 15 15 | 23 53 | 23 51 | 23 34 | | | n.a. |
| W 8 | 21 1 | 5s26 | 4 38 | 11 24 | 3 20 | 12 0 | 0 41 | 24 20 | 0 50 | 12 6 | 1 50 | 6 42 | 2 28 | 9 4 | 0 22 | 16 51 | 1 17 | 16 57 | 15 15 | 23 53 | 23 51 | 23 34 | | | n.a. |
| T 9 | 20 49 | 10 34 | 3 59 | 11 12 | 3 27 | 11 31 | 0 39 | 24 23 | 0 51 | 12 8 | 1 50 | 6 40 | 2 27 | 9 5 | 0 22 | 16 51 | 1 17 | 16 56 | 15 15 | 23 53 | 23 51 | 23 33 | | | n.a. |
| F 10 | 20 37 | 15 8 | 3 9 | 11 2 | 3 33 | 11 2 | 0 36 | 24 27 | 0 51 | 12 10 | 1 51 | 6 37 | 2 27 | 9 5 | 0 22 | 16 51 | 1 17 | 16 55 | 15 14 | 23 53 | 23 51 | 23 32 | | | n.a. |
| S 11 | 20 24 | 18 57 | 2 11 | 10 56 | 3 38 | 10 33 | 0 33 | 24 30 | 0 52 | 12 13 | 1 51 | 6 35 | 2 27 | 9 5 | 0 22 | 16 51 | 1 17 | 16 54 | 15 14 | 23 53 | 23 50 | 23 32 | | | n.a. |
| S 12 | 20 11 | 21 53 | 1 8 | 10 52 | 3 42 | 10 3 | 0 30 | 24 33 | 0 53 | 12 15 | 1 51 | 6 33 | 2 27 | 9 6 | 0 22 | 16 51 | 1 17 | 16 53 | 15 13 | 23 53 | 23 50 | 23 31 | | | n.a. |
| M13 | 19 57 | 23 49 | 0 3 | 10 51 | 3 46 | 9 33 | 0 27 | 24 36 | 0 53 | 12 17 | 1 51 | 6 30 | 2 27 | 9 6 | 0 22 | 16 51 | 1 17 | 16 52 | 15 13 | 23 53 | 23 50 | 23 30 | | | n.a. |
| T 14 | 19 43 | 24 39 | 1s 1 | 10 54 | 3 48 | 9 2 | 0 24 | 24 38 | 0 54 | 12 20 | 1 51 | 6 28 | 2 27 | 9 7 | 0 22 | 16 51 | 1 17 | 16 51 | 15 12 | 23 53 | 23 50 | 23 29 | | | n.a. |
| W15 | 19 29 | 24 22 | 2 2 | 11 1 | 3 49 | 8 32 | 0 21 | 24 41 | 0 55 | 12 22 | 1 52 | 6 26 | 2 26 | 9 7 | 0 22 | 16 51 | 1 17 | 16 50 | 15 12 | 23 53 | 23 50 | 23 29 | | | n.a. |
| T 16 | 19 14 | 22 59 | 2 58 | 11 12 | 3 48 | 8 1 | 0 18 | 24 43 | 0 55 | 12 25 | 1 52 | 6 23 | 2 26 | 9 8 | 0 22 | 16 51 | 1 17 | 16 48 | 15 11 | 23 53 | 23 50 | 23 28 | | | n.a. |
| F 17 | 18 59 | 20 35 | 3 47 | 11 26 | 3 46 | 7 30 | 0 15 | 24 45 | 0 56 | 12 27 | 1 52 | 6 21 | 2 26 | 9 8 | 0 22 | 16 51 | 1 17 | 16 47 | 15 11 | 23 53 | 23 50 | 23 27 | | | n.a. |
| S 18 | 18 44 | 17 18 | 4 25 | 11 44 | 3 42 | 6 59 | 0 12 | 24 47 | 0 57 | 12 30 | 1 52 | 6 18 | 2 26 | 9 9 | 0 22 | 16 51 | 1 17 | 16 46 | 15 11 | 23 53 | 23 50 | 23 26 | | | n.a. |
| S 19 | 18 28 | 13 17 | 4 52 | 12 6 | 3 36 | 6 28 | 0 9 | 24 49 | 0 57 | 12 33 | 1 52 | 6 16 | 2 26 | 9 10 | 0 22 | 16 51 | 1 17 | 16 45 | 15 10 | 23 53 | 23 50 | 23 26 | | | n.a. |
| M20 | 18 12 | 8 43 | 5 7 | 12 32 | 3 28 | 5 56 | 0 6 | 24 51 | 0 58 | 12 35 | 1 53 | 6 13 | 2 26 | 9 10 | 0 22 | 16 51 | 1 17 | 16 44 | 15 10 | 23 53 | 23 49 | 23 25 | | | n.a. |
| T 21 | 17 56 | 3 45 | 5 7 | 13 1 | 3 18 | 5 25 | 0 3 | 24 52 | 0 59 | 12 38 | 1 53 | 6 11 | 2 25 | 9 11 | 0 22 | 16 51 | 1 17 | 16 43 | 15 9 | 23 52 | 23 49 | 23 24 | | | n.a. |
| W22 | 17 39 | 1n26 | 4 53 | 13 33 | 3 6 | 4 53 | 0s 1 | 24 54 | 0 59 | 12 41 | 1 53 | 6 8 | 2 25 | 9 11 | 0 22 | 16 51 | 1 17 | 16 42 | 15 9 | 23 52 | 23 49 | 23 23 | | | n.a. |
| T 23 | 17 22 | 6 40 | 4 25 | 14 7 | 2 52 | 4 21 | 0 4 | 24 55 | 1 0 | 12 44 | 1 53 | 6 6 | 2 25 | 9 12 | 0 22 | 16 52 | 1 17 | 16 41 | 15 9 | 23 52 | 23 49 | 23 22 | | | n.a. |
| F 24 | 17 5 | 11 45 | 3 42 | 14 42 | 2 36 | 3 49 | 0 7 | 24 56 | 1 0 | 12 46 | 1 53 | 6 3 | 2 25 | 9 13 | 0 22 | 16 52 | 1 17 | 16 39 | 15 8 | 23 52 | 23 49 | 23 22 | | | n.a. |
| S 25 | 16 48 | 16 25 | 2 46 | 15 19 | 2 19 | 3 17 | 0 11 | 24 56 | 1 1 | 12 49 | 1 53 | 6 1 | 2 25 | 9 13 | 0 22 | 16 52 | 1 17 | 16 38 | 15 8 | 23 52 | 23 49 | 23 21 | | | n.a. |
| S 26 | 16 30 | 20 23 | 1 40 | 15 55 | 2 0 | 2 45 | 0 14 | 24 57 | 1 2 | 12 52 | 1 53 | 5 58 | 2 25 | 9 14 | 0 22 | 16 52 | 1 16 | 16 37 | 15 8 | 23 52 | 23 49 | 23 20 | | | n.a. |
| M27 | 16 12 | 23 14 | 0 25 | 16 30 | 1 41 | 2 13 | 0 18 | 24 57 | 1 2 | 12 55 | 1 54 | 5 56 | 2 25 | 9 15 | 0 22 | 16 52 | 1 16 | 16 36 | 15 7 | 23 52 | 23 49 | 23 19 | | | n.a. |
| T 28 | 15 53 | 24 39 | 0n53 | 17 4 | 1 21 | 1 41 | 0 21 | 24 58 | 1 3 | 12 58 | 1 54 | 5 53 | 2 25 | 9 16 | 0 22 | 16 52 | 1 16 | 16 35 | 15 7 | 23 52 | 23 48 | 23 18 | | | n.a. |
| W29 | 15 35 | 24 20 | 2 9 | 17 35 | 1 1 | 1 8 | 0 24 | 24 58 | 1 4 | 13 1 | 1 54 | 5 50 | 2 24 | 9 16 | 0 22 | 16 52 | 1 16 | 16 34 | 15 6 | 23 52 | 23 48 | 23 18 | | | n.a. |
| T 30 | 15 16 | 22 15 | 3 18 | 18 4 | 0 41 | 0 36 | 0 28 | 24 58 | 1 4 | 13 4 | 1 54 | 5 48 | 2 24 | 9 17 | 0 22 | 16 52 | 1 16 | 16 32 | 15 6 | 23 52 | 23 48 | 23 17 | | | n.a. |
| F 31 | 14n57 | 18n34 | 4n12 | 18n29 | 0s21 | 0n 4 | 0s31 | 24n57 | 1n 5 | 13s 7 | 1s54 | 5n45 | 2n24 | 9s18 | 0n22 | 16s53 | 1n16 | 16n31 | 15n 6 | 23n52 | 23n48 | 23s16 | | | n.a. |

Julian Day Number = 1004284.5, Delta T = 12h47m31s
Ecliptic obliquity = 23°55'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'38, Lahiri = -31°01'38 Julian Calendar 1 Aug. 1964 BCE == Greg. Calendar 15 July 1964 BCE

The year -1963 astronomical counting style corresponds to year 1964 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## SEPTEMBER 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 34 1 | 21♌30'30 | 6♍41 | 7°R 0 | 29♍52 | 4♋10 | 0°R51 | 21♍19 | 24♎24 | 20♏ 1 | 23♍15 | 26°R 0 | 24♊21 | 1♒32 | n.a. | S 1 |
| S 2 | 21 37 58 | 22°30'18 | 21°33 | 6°D57 | 1♎ 4 | 4°46 | 0♓43 | 21°26 | 24°27 | 20° 1 | 23°17 | 25♊51 | 24°18 | 1°39 | n.a. | S 2 |
| M 3 | 21 41 54 | 23°30'09 | 6♎ 1 | 7♌ 4 | 2°16 | 5°23 | 0°35 | 21°32 | 24°29 | 20° 2 | 23°19 | 25°43 | 24°14 | 1°46 | n.a. | M 3 |
| T 4 | 21 45 51 | 24°30'01 | 20° 1 | 7°23 | 3°28 | 5°59 | 0°27 | 21°39 | 24°31 | 20° 2 | 23°21 | 25°36 | 24°11 | 1°52 | n.a. | T 4 |
| W 5 | 21 49 47 | 25°29'55 | 3♏31 | 7°51 | 4°40 | 6°35 | 0°19 | 21°45 | 24°33 | 20° 3 | 23°23 | 25°31 | 24° 8 | 1°59 | n.a. | W 5 |
| T 6 | 21 53 44 | 26°29'51 | 16°33 | 8°29 | 5°51 | 7°11 | 0°11 | 21°52 | 24°36 | 20° 3 | 23°26 | 25°29 | 24° 5 | 2° 6 | n.a. | T 6 |
| F 7 | 21 57 40 | 27°29'49 | 29°10 | 9°15 | 7° 3 | 7°47 | 0° 3 | 21°58 | 24°38 | 20° 4 | 23°28 | 25°D29 | 24° 2 | 2°12 | n.a. | F 7 |
| S 8 | 22 1 37 | 28°29'48 | 11♐27 | 10° 9 | 8°15 | 8°24 | 29♒55 | 22° 5 | 24°40 | 20° 5 | 23°30 | 25°29 | 23°59 | 2°19 | n.a. | S 8 |
| S 9 | 22 5 33 | 29°29'50 | 23°30 | 11°11 | 9°26 | 9° 0 | 29°47 | 22°12 | 24°43 | 20° 5 | 23°32 | 25°R30 | 23°55 | 2°26 | n.a. | S 9 |
| M10 | 22 9 30 | 0♍29'53 | 5♑23 | 12°18 | 10°38 | 9°36 | 29°39 | 22°18 | 24°45 | 20° 6 | 23°35 | 25°29 | 23°52 | 2°33 | n.a. | M10 |
| T 11 | 22 13 26 | 1°29'58 | 17°12 | 13°31 | 11°49 | 10°11 | 29°30 | 22°25 | 24°48 | 20° 7 | 23°37 | 25°27 | 23°49 | 2°39 | n.a. | T 11 |
| W12 | 22 17 23 | 2°30'05 | 29° 0 | 14°48 | 13° 0 | 10°47 | 29°22 | 22°32 | 24°50 | 20° 8 | 23°39 | 25°22 | 23°46 | 2°46 | n.a. | W12 |
| T 13 | 22 21 20 | 3°30'14 | 10♒50 | 16° 9 | 14°12 | 11°23 | 29°14 | 22°39 | 24°53 | 20° 8 | 23°41 | 25°14 | 23°43 | 2°53 | n.a. | T 13 |
| F 14 | 22 25 16 | 4°30'25 | 22°46 | 17°34 | 15°23 | 11°59 | 29° 6 | 22°45 | 24°55 | 20° 9 | 23°44 | 25° 3 | 23°39 | 2°59 | n.a. | F 14 |
| S 15 | 22 29 13 | 5°30'37 | 4♓49 | 19° 2 | 16°34 | 12°35 | 28°58 | 22°52 | 24°58 | 20°10 | 23°46 | 24°51 | 23°36 | 3° 6 | n.a. | S 15 |
| S 16 | 22 33 9 | 6°30'52 | 17° 0 | 20°32 | 17°45 | 13°11 | 28°50 | 22°59 | 25° 1 | 20°11 | 23°48 | 24°38 | 23°33 | 3°13 | n.a. | S 16 |
| M17 | 22 37 6 | 7°31'09 | 29°20 | 22° 3 | 18°56 | 13°46 | 28°42 | 23° 6 | 25° 3 | 20°12 | 23°51 | 24°24 | 23°30 | 3°19 | n.a. | M17 |
| T 18 | 22 41 2 | 8°31'27 | 11♈50 | 23°37 | 20° 7 | 14°22 | 28°34 | 23°13 | 25° 6 | 20°13 | 23°53 | 24°12 | 23°27 | 3°26 | n.a. | T 18 |
| W19 | 22 44 59 | 9°31'48 | 24°30 | 25°11 | 21°18 | 14°58 | 28°26 | 23°19 | 25° 9 | 20°14 | 23°56 | 24° 3 | 23°24 | 3°33 | n.a. | W19 |
| T 20 | 22 48 55 | 10°32'11 | 7♉21 | 26°47 | 22°29 | 15°33 | 28°19 | 23°26 | 25°12 | 20°15 | 23°58 | 23°56 | 23°20 | 3°39 | n.a. | T 20 |
| F 21 | 22 52 52 | 11°32'35 | 20°26 | 28°23 | 23°39 | 16° 9 | 28°11 | 23°33 | 25°15 | 20°16 | 24° 0 | 23°52 | 23°17 | 3°46 | n.a. | F 21 |
| S 22 | 22 56 48 | 12°33'03 | 3♊46 | 0♍ 0 | 24°50 | 16°44 | 28° 3 | 23°40 | 25°18 | 20°17 | 24° 3 | 23°50 | 23°14 | 3°53 | n.a. | S 22 |
| S 23 | 23 0 45 | 13°33'32 | 17°23 | 1°38 | 26° 1 | 17°19 | 27°56 | 23°47 | 25°20 | 20°18 | 24° 5 | 23°50 | 23°11 | 3°59 | n.a. | S 23 |
| M24 | 23 4 42 | 14°34'03 | 1♋19 | 3°15 | 27°11 | 17°55 | 27°48 | 23°54 | 25°23 | 20°20 | 24° 8 | 23°50 | 23° 8 | 4° 6 | n.a. | M24 |
| T 25 | 23 8 38 | 15°34'37 | 15°35 | 4°53 | 28°22 | 18°30 | 27°41 | 24° 1 | 25°26 | 20°21 | 24°10 | 23°49 | 23° 5 | 4°13 | n.a. | T 25 |
| W26 | 23 12 35 | 16°35'12 | 0♌ 8 | 6°31 | 29°32 | 19° 5 | 27°33 | 24° 8 | 25°29 | 20°22 | 24°12 | 23°45 | 23° 1 | 4°19 | n.a. | W26 |
| T 27 | 23 16 31 | 17°35'50 | 14°57 | 8° 9 | 0♏42 | 19°41 | 27°26 | 24°15 | 25°32 | 20°23 | 24°15 | 23°39 | 22°58 | 4°26 | n.a. | T 27 |
| F 28 | 23 20 28 | 18°36'29 | 29°53 | 9°46 | 1°52 | 20°16 | 27°19 | 24°22 | 25°36 | 20°24 | 24°17 | 23°29 | 22°55 | 4°33 | n.a. | F 28 |
| S 29 | 23 24 24 | 19°37'10 | 14♍48 | 11°24 | 3° 2 | 20°51 | 27°12 | 24°29 | 25°39 | 20°26 | 24°20 | 23°18 | 22°52 | 4°39 | n.a. | S 29 |
| S 30 | 23 28 21 | 20♍37'53 | 29♍34 | 13♍ 1 | 4♏12 | 21♋26 | 27♒ 5 | 24♍36 | 25♎42 | 20♏27 | 24♍22 | 23♊ 6 | 22♊49 | 4♒46 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n37 | 13n41 | 4n48 | 18n51 | 0s 3 | 0s29 | 0s35 | 24n57 | 1n 6 | 13s10 | 1s54 | 5n42 | 2n24 | 9s19 | 0n22 | 16s53 | 1n16 | 16n30 | 15n 6 | 23n52 | 23n48 | 23s15 | | n.a. |
| S 2 | 14 17 | 8 4 | 5 4 | 19 9 | 0n15 | 1 1 | 0 38 | 24 56 | 1 6 | 13 13 | 1 54 | 5 40 | 2 24 | 9 20 | 0 22 | 16 53 | 1 16 | 16 29 | 15 5 | 23 51 | 23 48 | 23 14 | | n.a. |
| M 3 | 13 57 | 2 9 | 5 0 | 19 22 | 0 31 | 1 33 | 0 42 | 24 56 | 1 7 | 13 16 | 1 54 | 5 37 | 2 24 | 9 20 | 0 21 | 16 53 | 1 16 | 16 28 | 15 5 | 23 51 | 23 48 | 23 13 | | n.a. |
| T 4 | 13 37 | 3s42 | 4 38 | 19 32 | 0 46 | 2 6 | 0 45 | 24 55 | 1 8 | 13 18 | 1 54 | 5 34 | 2 24 | 9 21 | 0 21 | 16 53 | 1 16 | 16 27 | 15 5 | 23 51 | 23 47 | 23 12 | | n.a. |
| W 5 | 13 17 | 9 10 | 4 1 | 19 38 | 0 59 | 2 38 | 0 49 | 24 54 | 1 8 | 13 21 | 1 54 | 5 32 | 2 24 | 9 22 | 0 21 | 16 53 | 1 16 | 16 26 | 15 4 | 23 51 | 23 47 | 23 12 | | n.a. |
| T 6 | 12 56 | 14 3 | 3 13 | 19 39 | 1 11 | 3 10 | 0 53 | 24 52 | 1 9 | 13 24 | 1 54 | 5 29 | 2 24 | 9 23 | 0 21 | 16 54 | 1 16 | 16 24 | 15 4 | 23 51 | 23 47 | 23 11 | | n.a. |
| F 7 | 12 35 | 18 10 | 2 16 | 19 37 | 1 22 | 3 42 | 0 56 | 24 51 | 1 10 | 13 27 | 1 54 | 5 26 | 2 23 | 9 24 | 0 21 | 16 54 | 1 16 | 16 23 | 15 4 | 23 51 | 23 47 | 23 10 | | n.a. |
| S 8 | 12 14 | 21 23 | 1 14 | 19 31 | 1 31 | 4 15 | 1 0 | 24 49 | 1 10 | 13 30 | 1 54 | 5 23 | 2 23 | 9 25 | 0 21 | 16 54 | 1 16 | 16 22 | 15 4 | 23 51 | 23 47 | 23 9 | | n.a. |
| S 9 | 11 53 | 23 35 | 0 11 | 19 22 | 1 39 | 4 47 | 1 3 | 24 48 | 1 11 | 13 33 | 1 54 | 5 21 | 2 23 | 9 26 | 0 21 | 16 54 | 1 16 | 16 21 | 15 3 | 23 51 | 23 47 | 23 8 | | n.a. |
| M10 | 11 31 | 24 41 | 0s53 | 19 9 | 1 46 | 5 18 | 1 7 | 24 46 | 1 12 | 13 36 | 1 54 | 5 18 | 2 23 | 9 27 | 0 21 | 16 55 | 1 16 | 16 20 | 15 3 | 23 51 | 23 47 | 23 7 | | n.a. |
| T 11 | 11 9 | 24 39 | 1 53 | 18 53 | 1 52 | 5 50 | 1 10 | 24 44 | 1 13 | 13 39 | 1 54 | 5 15 | 2 23 | 9 28 | 0 21 | 16 55 | 1 16 | 16 19 | 15 3 | 23 50 | 23 46 | 23 6 | | n.a. |
| W12 | 10 47 | 23 31 | 2 48 | 18 34 | 1 56 | 6 22 | 1 14 | 24 41 | 1 13 | 13 42 | 1 54 | 5 12 | 2 23 | 9 29 | 0 21 | 16 55 | 1 16 | 16 18 | 15 3 | 23 50 | 23 46 | 23 5 | | n.a. |
| T 13 | 10 25 | 21 20 | 3 36 | 18 12 | 1 59 | 6 53 | 1 17 | 24 39 | 1 14 | 13 45 | 1 54 | 5 9 | 2 23 | 9 30 | 0 21 | 16 55 | 1 16 | 16 16 | 15 2 | 23 50 | 23 46 | 23 4 | | n.a. |
| F 14 | 10 3 | 18 12 | 4 15 | 17 48 | 2 2 | 7 25 | 1 21 | 24 36 | 1 15 | 13 48 | 1 54 | 5 7 | 2 23 | 9 31 | 0 21 | 16 56 | 1 15 | 16 15 | 15 2 | 23 50 | 23 46 | 23 3 | | n.a. |
| S 15 | 9 41 | 14 18 | 4 43 | 17 22 | 2 3 | 7 56 | 1 24 | 24 34 | 1 15 | 13 51 | 1 54 | 5 4 | 2 23 | 9 32 | 0 21 | 16 56 | 1 15 | 16 14 | 15 2 | 23 49 | 23 46 | 23 2 | | n.a. |
| S 16 | 9 18 | 9 48 | 4 58 | 16 53 | 2 3 | 8 27 | 1 28 | 24 31 | 1 16 | 13 53 | 1 54 | 5 1 | 2 23 | 9 33 | 0 21 | 16 56 | 1 15 | 16 13 | 15 2 | 23 49 | 23 46 | 23 2 | | n.a. |
| M17 | 8 55 | 4 50 | 5 0 | 16 23 | 2 3 | 8 58 | 1 31 | 24 28 | 1 17 | 13 56 | 1 54 | 4 58 | 2 23 | 9 34 | 0 21 | 16 57 | 1 15 | 16 12 | 15 1 | 23 48 | 23 45 | 23 1 | | n.a. |
| T 18 | 8 32 | 0n23 | 4 47 | 15 50 | 2 2 | 9 28 | 1 35 | 24 25 | 1 17 | 13 59 | 1 54 | 4 55 | 2 23 | 9 35 | 0 21 | 16 57 | 1 15 | 16 11 | 15 1 | 23 47 | 23 45 | 23 0 | | n.a. |
| W19 | 8 9 | 5 39 | 4 20 | 15 17 | 2 1 | 9 59 | 1 38 | 24 21 | 1 18 | 14 2 | 1 54 | 4 53 | 2 23 | 9 36 | 0 21 | 16 57 | 1 15 | 16 10 | 15 1 | 23 47 | 23 45 | 22 59 | | n.a. |
| T 20 | 7 46 | 10 47 | 3 40 | 14 41 | 1 59 | 10 29 | 1 41 | 24 18 | 1 19 | 14 4 | 1 54 | 4 50 | 2 22 | 9 37 | 0 21 | 16 58 | 1 15 | 16 8 | 15 1 | 23 47 | 23 45 | 22 58 | | n.a. |
| F 21 | 7 23 | 15 32 | 2 47 | 14 5 | 1 56 | 10 59 | 1 45 | 24 14 | 1 20 | 14 7 | 1 54 | 4 47 | 2 22 | 9 38 | 0 21 | 16 58 | 1 15 | 16 7 | 15 1 | 23 47 | 23 45 | 22 57 | | n.a. |
| S 22 | 6 59 | 19 37 | 1 44 | 13 27 | 1 53 | 11 28 | 1 48 | 24 11 | 1 20 | 14 10 | 1 53 | 4 44 | 2 22 | 9 39 | 0 21 | 16 58 | 1 15 | 16 6 | 15 1 | 23 46 | 23 45 | 22 56 | | n.a. |
| S 23 | 6 35 | 22 45 | 0 34 | 12 49 | 1 49 | 11 58 | 1 51 | 24 7 | 1 21 | 14 12 | 1 53 | 4 41 | 2 22 | 9 40 | 0 21 | 16 59 | 1 15 | 16 5 | 15 1 | 23 46 | 23 44 | 22 55 | | n.a. |
| M24 | 6 12 | 24 34 | 0n39 | 12 9 | 1 46 | 12 27 | 1 54 | 24 3 | 1 22 | 14 15 | 1 53 | 4 38 | 2 22 | 9 41 | 0 21 | 16 59 | 1 15 | 16 4 | 15 0 | 23 46 | 23 44 | 22 54 | | n.a. |
| T 25 | 5 48 | 24 51 | 1 52 | 11 29 | 1 41 | 12 56 | 1 57 | 23 58 | 1 22 | 14 17 | 1 53 | 4 35 | 2 22 | 9 42 | 0 21 | 16 59 | 1 15 | 16 3 | 15 0 | 23 46 | 23 44 | 22 53 | | n.a. |
| W26 | 5 24 | 23 26 | 2 59 | 10 48 | 1 37 | 13 24 | 2 1 | 23 54 | 1 23 | 14 20 | 1 53 | 4 33 | 2 22 | 9 43 | 0 21 | 17 0 | 1 15 | 16 2 | 15 0 | 23 46 | 23 44 | 22 52 | | n.a. |
| T 27 | 5 0 | 20 25 | 3 55 | 10 6 | 1 32 | 13 52 | 2 4 | 23 50 | 1 24 | 14 22 | 1 53 | 4 30 | 2 22 | 9 45 | 0 21 | 17 0 | 1 15 | 16 1 | 15 0 | 23 46 | 23 44 | 22 51 | | n.a. |
| F 28 | 4 36 | 16 1 | 4 35 | 9 24 | 1 27 | 14 20 | 2 7 | 23 45 | 1 25 | 14 24 | 1 53 | 4 27 | 2 22 | 9 46 | 0 21 | 17 0 | 1 15 | 16 0 | 15 0 | 23 45 | 23 44 | 22 50 | | n.a. |
| S 29 | 4 11 | 10 39 | 4 57 | 8 41 | 1 21 | 14 48 | 2 10 | 23 40 | 1 25 | 14 27 | 1 52 | 4 24 | 2 22 | 9 47 | 0 21 | 17 1 | 1 15 | 15 59 | 15 0 | 23 45 | 23 43 | 22 49 | | n.a. |
| S 30 | 3n47 | 4n43 | 4n58 | 7n58 | 1n16 | 15s15 | 2s13 | 23n35 | 1n26 | 14s29 | 1s52 | 4n21 | 2n22 | 9s48 | 0n21 | 17s 1 | 1n15 | 15n58 | 15n 0 | 23n44 | 23n43 | 22s48 | | n.a. |

Julian Day Number = 1004315.5, Delta T = 12h47m29s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'34, Lahiri = -31°01'34 Julian Calendar 1 Sept. 1964 BCE == Greg. Calendar 15 Aug. 1964 BCE


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## OCTOBER 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 32 17 | 21♍38'37 | 14♎ 0 | 14♍39 | 5♏22 | 22♋ 1 | 26°R58 | 24♍43 | 25♎45 | 20♏28 | 24♍25 | 22°R54 | 22♊45 | 4♒53 | n.a. | M 1 |
| T 2 | 23 36 14 | 22°39'23 | 28° 2 | 16°16 | 6°32 | 22°36 | 26♒52 | 24°50 | 25°48 | 20°30 | 24°27 | 22♊44 | 22°42 | 4°59 | n.a. | T 2 |
| W 3 | 23 40 10 | 23°40'10 | 11♏37 | 17°52 | 7°42 | 23°10 | 26°45 | 24°57 | 25°51 | 20°31 | 24°29 | 22°36 | 22°39 | 5° 6 | n.a. | W 3 |
| T 4 | 23 44 7 | 24°40'59 | 24°43 | 19°29 | 8°51 | 23°45 | 26°39 | 25° 4 | 25°55 | 20°33 | 24°32 | 22°32 | 22°36 | 5°13 | n.a. | T 4 |
| F 5 | 23 48 4 | 25°41'48 | 7♐24 | 21° 5 | 10° 1 | 24°20 | 26°33 | 25°11 | 25°58 | 20°34 | 24°34 | 22°30 | 22°33 | 5°19 | n.a. | F 5 |
| S 6 | 23 52 0 | 26°42'39 | 19°44 | 22°42 | 11°10 | 24°55 | 26°27 | 25°18 | 26° 1 | 20°36 | 24°37 | 22°29 | 22°30 | 5°26 | n.a. | S 6 |
| S 7 | 23 55 57 | 27°43'32 | 1♑48 | 24°18 | 12°19 | 25°29 | 26°21 | 25°25 | 26° 4 | 20°37 | 24°39 | 22°29 | 22°26 | 5°33 | n.a. | S 7 |
| M 8 | 23 59 53 | 28°44'25 | 13°42 | 25°53 | 13°28 | 26° 4 | 26°15 | 25°32 | 26° 8 | 20°39 | 24°42 | 22°28 | 22°23 | 5°40 | n.a. | M 8 |
| T 9 | 0 3 50 | 29°45'20 | 25°31 | 27°29 | 14°37 | 26°38 | 26°10 | 25°39 | 26°11 | 20°40 | 24°44 | 22°26 | 22°20 | 5°46 | n.a. | T 9 |
| W10 | 0 7 46 | 0♎46'15 | 7♒20 | 29° 4 | 15°46 | 27°12 | 26° 4 | 25°46 | 26°14 | 20°42 | 24°46 | 22°21 | 22°17 | 5°53 | n.a. | W10 |
| T 11 | 0 11 43 | 1°47'12 | 19°13 | 0♎39 | 16°55 | 27°47 | 25°59 | 25°53 | 26°18 | 20°44 | 24°49 | 22°13 | 22°14 | 6° 0 | n.a. | T 11 |
| F 12 | 0 15 39 | 2°48'10 | 1♓15 | 2°14 | 18° 3 | 28°21 | 25°54 | 26° 0 | 26°21 | 20°45 | 24°51 | 22° 2 | 22°10 | 6° 6 | n.a. | F 12 |
| S 13 | 0 19 36 | 3°49'08 | 13°26 | 3°49 | 19°12 | 28°55 | 25°49 | 26° 7 | 26°25 | 20°47 | 24°54 | 21°50 | 22° 7 | 6°13 | n.a. | S 13 |
| S 14 | 0 23 33 | 4°50'08 | 25°50 | 5°24 | 20°20 | 29°29 | 25°44 | 26°14 | 26°28 | 20°49 | 24°56 | 21°36 | 22° 4 | 6°20 | n.a. | S 14 |
| M15 | 0 27 29 | 5°51'09 | 8♈26 | 6°58 | 21°28 | 0♌ 3 | 25°40 | 26°21 | 26°32 | 20°50 | 24°59 | 21°22 | 22° 1 | 6°26 | n.a. | M15 |
| T 16 | 0 31 26 | 6°52'11 | 21°14 | 8°33 | 22°36 | 0°37 | 25°35 | 26°28 | 26°35 | 20°52 | 25° 1 | 21°10 | 21°58 | 6°33 | n.a. | T 16 |
| W17 | 0 35 22 | 7°53'15 | 4♉14 | 10° 7 | 23°44 | 1°11 | 25°31 | 26°35 | 26°39 | 20°54 | 25° 3 | 21° 0 | 21°55 | 6°40 | n.a. | W17 |
| T 18 | 0 39 19 | 8°54'19 | 17°24 | 11°41 | 24°51 | 1°45 | 25°27 | 26°42 | 26°42 | 20°56 | 25° 6 | 20°52 | 21°51 | 6°46 | n.a. | T 18 |
| F 19 | 0 43 15 | 9°55'25 | 0♊45 | 13°15 | 25°59 | 2°19 | 25°23 | 26°49 | 26°46 | 20°57 | 25° 8 | 20°48 | 21°48 | 6°53 | n.a. | F 19 |
| S 20 | 0 47 12 | 10°56'33 | 14°16 | 14°50 | 27° 6 | 2°52 | 25°20 | 26°56 | 26°49 | 20°59 | 25°10 | 20°46 | 21°45 | 7° 0 | n.a. | S 20 |
| S 21 | 0 51 8 | 11°57'41 | 27°58 | 16°24 | 28°13 | 3°26 | 25°16 | 27° 3 | 26°53 | 21° 1 | 25°13 | 20°D46 | 21°42 | 7° 6 | n.a. | S 21 |
| M22 | 0 55 5 | 12°58'51 | 11♋50 | 17°58 | 29°20 | 4° 0 | 25°13 | 27°10 | 26°56 | 21° 3 | 25°15 | 20°R47 | 21°39 | 7°13 | n.a. | M22 |
| T 23 | 0 59 2 | 14° 0'02 | 25°55 | 19°32 | 0♐27 | 4°33 | 25°10 | 27°16 | 27° 0 | 21° 5 | 25°18 | 20°46 | 21°36 | 7°20 | n.a. | T 23 |
| W24 | 1 2 58 | 15° 1'14 | 10♌10 | 21° 6 | 1°33 | 5° 6 | 25° 7 | 27°23 | 27° 3 | 21° 7 | 25°20 | 20°44 | 21°32 | 7°26 | n.a. | W24 |
| T 25 | 1 6 55 | 16° 2'27 | 24°35 | 22°40 | 2°39 | 5°40 | 25° 5 | 27°30 | 27° 7 | 21° 9 | 25°22 | 20°39 | 21°29 | 7°33 | n.a. | T 25 |
| F 26 | 1 10 51 | 17° 3'41 | 9♍ 4 | 24°14 | 3°45 | 6°13 | 25° 2 | 27°37 | 27°11 | 21°11 | 25°24 | 20°31 | 21°26 | 7°40 | n.a. | F 26 |
| S 27 | 1 14 48 | 18° 4'56 | 23°33 | 25°49 | 4°51 | 6°46 | 25° 0 | 27°44 | 27°14 | 21°13 | 25°27 | 20°21 | 21°23 | 7°47 | n.a. | S 27 |
| S 28 | 1 18 44 | 19° 6'12 | 7♎56 | 27°23 | 5°57 | 7°19 | 24°58 | 27°50 | 27°18 | 21°15 | 25°29 | 20°11 | 21°20 | 7°53 | n.a. | S 28 |
| M29 | 1 22 41 | 20° 7'28 | 22° 5 | 28°57 | 7° 2 | 7°52 | 24°56 | 27°57 | 27°21 | 21°17 | 25°31 | 20° 0 | 21°16 | 8° 0 | n.a. | M29 |
| T 30 | 1 26 38 | 21° 8'45 | 5♏55 | 0♏31 | 8° 7 | 8°24 | 24°55 | 28° 4 | 27°25 | 21°19 | 25°34 | 19°52 | 21°13 | 8° 7 | n.a. | T 30 |
| W31 | 1 30 34 | 22♎10'03 | 19♏23 | 2♏ 6 | 9♐12 | 8♌57 | 24♒53 | 28♍10 | 27♎29 | 21♏21 | 25♍36 | 19♊45 | 21♊10 | 8♒13 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 3n23 | 1s20 | 4n40 | 7n14 | 1n10 | 15s42 | 2s15 | 23n30 | 1n27 | 14s31 | 1s52 | 4n18 | 2n22 | 9s49 | 0n21 | 17s 2 | 1n15 | 15n57 | 15n 0 | 23n44 | 23n43 | 22s47 | | n.a. |
| T 2 | 2 58 | 7 10 | 4 6 | 6 31 | 1 4 | 16 8 | 2 18 | 23 25 | 1 27 | 14 33 | 1 52 | 4 15 | 2 22 | 9 51 | 0 21 | 17 2 | 1 15 | 15 55 | 15 0 | 23 43 | 23 43 | 22 46 | | n.a. |
| W 3 | 2 34 | 12 29 | 3 18 | 5 47 | 0 58 | 16 34 | 2 21 | 23 20 | 1 28 | 14 35 | 1 52 | 4 13 | 2 22 | 9 52 | 0 21 | 17 3 | 1 15 | 15 54 | 15 0 | 23 43 | 23 43 | 22 44 | | n.a. |
| T 4 | 2 9 | 17 3 | 2 21 | 5 3 | 0 52 | 17 0 | 2 24 | 23 15 | 1 29 | 14 37 | 1 51 | 4 10 | 2 22 | 9 53 | 0 21 | 17 3 | 1 14 | 15 53 | 14 59 | 23 42 | 23 43 | 22 43 | | n.a. |
| F 5 | 1 45 | 20 41 | 1 19 | 4 18 | 0 46 | 17 25 | 2 26 | 23 9 | 1 30 | 14 39 | 1 51 | 4 7 | 2 22 | 9 54 | 0 21 | 17 3 | 1 14 | 15 52 | 14 59 | 23 42 | 23 42 | 22 42 | | n.a. |
| S 6 | 1 20 | 23 16 | 0 15 | 3 34 | 0 40 | 17 50 | 2 29 | 23 4 | 1 30 | 14 41 | 1 51 | 4 4 | 2 22 | 9 55 | 0 21 | 17 4 | 1 14 | 15 51 | 14 59 | 23 42 | 23 42 | 22 41 | | n.a. |
| S 7 | 0 55 | 24 44 | 0s49 | 2 49 | 0 33 | 18 14 | 2 31 | 22 58 | 1 31 | 14 43 | 1 51 | 4 1 | 2 22 | 9 57 | 0 21 | 17 4 | 1 14 | 15 50 | 14 59 | 23 42 | 23 42 | 22 40 | | n.a. |
| M 8 | 0 31 | 25 1 | 1 50 | 2 5 | 0 27 | 18 38 | 2 34 | 22 52 | 1 32 | 14 45 | 1 51 | 3 58 | 2 22 | 9 58 | 0 21 | 17 5 | 1 14 | 15 49 | 14 59 | 23 42 | 23 42 | 22 39 | | n.a. |
| T 9 | 0 6 | 24 10 | 2 45 | 1 20 | 0 21 | 19 1 | 2 36 | 22 46 | 1 33 | 14 46 | 1 50 | 3 56 | 2 22 | 9 59 | 0 21 | 17 5 | 1 14 | 15 48 | 14 59 | 23 42 | 23 42 | 22 38 | | n.a. |
| W10 | 0s19 | 22 15 | 3 34 | 0 36 | 0 14 | 19 24 | 2 38 | 22 40 | 1 34 | 14 48 | 1 50 | 3 53 | 2 22 | 10 0 | 0 21 | 17 6 | 1 14 | 15 47 | 14 59 | 23 42 | 23 41 | 22 37 | | n.a. |
| T 11 | 0 43 | 19 21 | 4 13 | 0s 9 | 0 8 | 19 47 | 2 40 | 22 34 | 1 34 | 14 50 | 1 50 | 3 50 | 2 22 | 10 2 | 0 21 | 17 6 | 1 14 | 15 46 | 14 59 | 23 41 | 23 41 | 22 36 | | n.a. |
| F 12 | 1 8 | 15 37 | 4 41 | 0 53 | 0 1 | 20 9 | 2 42 | 22 27 | 1 35 | 14 51 | 1 50 | 3 47 | 2 22 | 10 3 | 0 21 | 17 7 | 1 14 | 15 45 | 14 59 | 23 41 | 23 41 | 22 35 | | n.a. |
| S 13 | 1 33 | 11 11 | 4 57 | 1 38 | 0s 5 | 20 30 | 2 44 | 22 21 | 1 36 | 14 53 | 1 49 | 3 44 | 2 22 | 10 4 | 0 21 | 17 7 | 1 14 | 15 44 | 14 59 | 23 40 | 23 41 | 22 34 | | n.a. |
| S 14 | 1 58 | 6 15 | 4 59 | 2 22 | 0 12 | 20 51 | 2 46 | 22 14 | 1 37 | 14 54 | 1 49 | 3 41 | 2 22 | 10 6 | 0 21 | 17 8 | 1 14 | 15 43 | 14 59 | 23 39 | 23 41 | 22 33 | | n.a. |
| M15 | 2 22 | 0 59 | 4 47 | 3 6 | 0 18 | 21 11 | 2 48 | 22 8 | 1 37 | 14 55 | 1 49 | 3 39 | 2 22 | 10 7 | 0 21 | 17 8 | 1 14 | 15 43 | 14 59 | 23 38 | 23 40 | 22 31 | | n.a. |
| T 16 | 2 47 | 4n26 | 4 21 | 3 50 | 0 24 | 21 31 | 2 49 | 22 1 | 1 38 | 14 57 | 1 48 | 3 36 | 2 22 | 10 8 | 0 21 | 17 9 | 1 14 | 15 42 | 15 0 | 23 37 | 23 40 | 22 30 | | n.a. |
| W17 | 3 11 | 9 44 | 3 40 | 4 33 | 0 31 | 21 50 | 2 51 | 21 54 | 1 39 | 14 58 | 1 48 | 3 33 | 2 22 | 10 9 | 0 21 | 17 9 | 1 14 | 15 41 | 15 0 | 23 36 | 23 40 | 22 29 | | n.a. |
| T 18 | 3 36 | 14 42 | 2 47 | 5 17 | 0 37 | 22 9 | 2 52 | 21 47 | 1 40 | 14 59 | 1 48 | 3 30 | 2 22 | 10 11 | 0 21 | 17 10 | 1 14 | 15 40 | 15 0 | 23 36 | 23 40 | 22 28 | | n.a. |
| F 19 | 4 0 | 19 1 | 1 44 | 6 0 | 0 43 | 22 27 | 2 54 | 21 40 | 1 41 | 15 0 | 1 48 | 3 28 | 2 22 | 10 12 | 0 21 | 17 10 | 1 14 | 15 39 | 15 0 | 23 36 | 23 40 | 22 27 | | n.a. |
| S 20 | 4 25 | 22 24 | 0 35 | 6 42 | 0 49 | 22 44 | 2 55 | 21 33 | 1 41 | 15 1 | 1 47 | 3 25 | 2 22 | 10 13 | 0 21 | 17 11 | 1 14 | 15 38 | 15 0 | 23 36 | 23 39 | 22 26 | | n.a. |
| S 21 | 4 49 | 24 32 | 0n38 | 7 25 | 0 55 | 23 1 | 2 56 | 21 26 | 1 42 | 15 2 | 1 47 | 3 22 | 2 22 | 10 15 | 0 21 | 17 11 | 1 14 | 15 37 | 15 0 | 23 36 | 23 39 | 22 25 | | n.a. |
| M22 | 5 14 | 25 12 | 1 50 | 8 7 | 1 1 | 23 17 | 2 57 | 21 19 | 1 43 | 15 3 | 1 47 | 3 19 | 2 22 | 10 16 | 0 21 | 17 12 | 1 14 | 15 36 | 15 0 | 23 36 | 23 39 | 22 23 | | n.a. |
| T 23 | 5 38 | 24 15 | 2 55 | 8 49 | 1 7 | 23 33 | 2 58 | 21 11 | 1 44 | 15 3 | 1 46 | 3 17 | 2 23 | 10 17 | 0 21 | 17 12 | 1 14 | 15 35 | 15 0 | 23 36 | 23 39 | 22 22 | | n.a. |
| W24 | 6 2 | 21 45 | 3 51 | 9 30 | 1 12 | 23 48 | 2 59 | 21 4 | 1 45 | 15 4 | 1 46 | 3 14 | 2 23 | 10 19 | 0 21 | 17 13 | 1 14 | 15 35 | 15 0 | 23 35 | 23 39 | 22 21 | | n.a. |
| T 25 | 6 26 | 17 52 | 4 33 | 10 11 | 1 18 | 24 2 | 2 59 | 20 56 | 1 45 | 15 5 | 1 46 | 3 11 | 2 23 | 10 20 | 0 21 | 17 13 | 1 14 | 15 34 | 15 0 | 23 35 | 23 38 | 22 20 | | n.a. |
| F 26 | 6 50 | 12 54 | 4 57 | 10 52 | 1 23 | 24 16 | 3 0 | 20 49 | 1 46 | 15 5 | 1 45 | 3 8 | 2 23 | 10 21 | 0 21 | 17 14 | 1 14 | 15 33 | 15 0 | 23 34 | 23 38 | 22 19 | | n.a. |
| S 27 | 7 14 | 7 14 | 5 3 | 11 32 | 1 28 | 24 29 | 3 0 | 20 41 | 1 47 | 15 6 | 1 45 | 3 6 | 2 23 | 10 23 | 0 21 | 17 15 | 1 14 | 15 32 | 15 1 | 23 34 | 23 38 | 22 17 | | n.a. |
| S 28 | 7 38 | 1 12 | 4 49 | 12 11 | 1 33 | 24 42 | 3 1 | 20 33 | 1 48 | 15 6 | 1 45 | 3 3 | 2 23 | 10 24 | 0 20 | 17 15 | 1 14 | 15 31 | 15 1 | 23 33 | 23 38 | 22 16 | | n.a. |
| M29 | 8 1 | 4s47 | 4 18 | 12 50 | 1 38 | 24 53 | 3 1 | 20 25 | 1 49 | 15 6 | 1 44 | 3 1 | 2 23 | 10 25 | 0 20 | 17 16 | 1 14 | 15 31 | 15 1 | 23 32 | 23 38 | 22 15 | | n.a. |
| T 30 | 8 25 | 10 26 | 3 32 | 13 29 | 1 42 | 25 4 | 3 1 | 20 17 | 1 50 | 15 7 | 1 44 | 2 58 | 2 23 | 10 27 | 0 20 | 17 16 | 1 13 | 15 30 | 15 1 | 23 31 | 23 37 | 22 14 | | n.a. |
| W31 | 8s48 | 15s27 | 2n35 | 14s 6 | 1s47 | 25s15 | 3s 1 | 20n 9 | 1n51 | 15s 7 | 1s44 | 2n55 | 2n23 | 10s28 | 0n20 | 17s17 | 1n13 | 15n29 | 15n 1 | 23n31 | 23n37 | 22s13 | | n.a. |

Julian Day Number = 1004345.5, Delta T = 12h47m27s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'30, Lahiri = -31°01'29 Julian Calendar 1 Oct. 1964 BCE == Greg. Calendar 14 Sept. 1964 BCE

The year -1963 astronomical counting style corresponds to year 1964 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## NOVEMBER 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 34 31 | 23♎11'21 | 2♐28 | 3♏40 | 10♐16 | 9♌30 | 24°R52 | 28♍17 | 27♎32 | 21♏23 | 25♍38 | 19°R41 | 21♊ 7 | 8♒20 | n.a. | T 1 |
| F 2 | 1 38 27 | 24°12'39 | 15°10 | 5°14 | 11°21 | 10° 2 | 24♒51 | 28°23 | 27°36 | 21°25 | 25°40 | 19°D39 | 21° 4 | 8°27 | n.a. | F 2 |
| S 3 | 1 42 24 | 25°13'58 | 27°33 | 6°48 | 12°25 | 10°34 | 24°50 | 28°30 | 27°40 | 21°27 | 25°42 | 19♊40 | 21° 1 | 8°33 | n.a. | S 3 |
| S 4 | 1 46 20 | 26°15'17 | 9♑39 | 8°22 | 13°28 | 11° 7 | 24°50 | 28°37 | 27°43 | 21°29 | 25°45 | 19°41 | 20°57 | 8°40 | n.a. | S 4 |
| M 5 | 1 50 17 | 27°16'36 | 21°35 | 9°56 | 14°32 | 11°39 | 24°49 | 28°43 | 27°47 | 21°31 | 25°47 | 19°R42 | 20°54 | 8°47 | n.a. | M 5 |
| T 6 | 1 54 13 | 28°17'55 | 3♒26 | 11°30 | 15°35 | 12°11 | 24°D49 | 28°49 | 27°51 | 21°33 | 25°49 | 19°42 | 20°51 | 8°53 | n.a. | T 6 |
| W 7 | 1 58 10 | 29°19'14 | 15°16 | 13° 4 | 16°37 | 12°43 | 24°49 | 28°56 | 27°54 | 21°35 | 25°51 | 19°40 | 20°48 | 9° 0 | n.a. | W 7 |
| T 8 | 2 2 7 | 0♏20'33 | 27°11 | 14°37 | 17°40 | 13°15 | 24°50 | 29° 2 | 27°58 | 21°38 | 25°53 | 19°36 | 20°45 | 9° 7 | n.a. | T 8 |
| F 9 | 2 6 3 | 1°21'52 | 9♓15 | 16°10 | 18°42 | 13°46 | 24°50 | 29° 9 | 28° 1 | 21°40 | 25°55 | 19°30 | 20°41 | 9°13 | n.a. | F 9 |
| S 10 | 2 10 0 | 2°23'11 | 21°33 | 17°42 | 19°43 | 14°18 | 24°51 | 29°15 | 28° 5 | 21°42 | 25°57 | 19°23 | 20°38 | 9°20 | n.a. | S 10 |
| S 11 | 2 13 56 | 3°24'30 | 4♈ 5 | 19°13 | 20°44 | 14°49 | 24°52 | 29°21 | 28° 9 | 21°44 | 25°59 | 19°14 | 20°35 | 9°27 | n.a. | S 11 |
| M12 | 2 17 53 | 4°25'48 | 16°55 | 20°44 | 21°45 | 15°21 | 24°53 | 29°27 | 28°12 | 21°46 | 26° 1 | 19° 6 | 20°32 | 9°34 | n.a. | M12 |
| T 13 | 2 21 49 | 5°27'07 | 0♉ 1 | 22°14 | 22°45 | 15°52 | 24°54 | 29°33 | 28°16 | 21°48 | 26° 3 | 18°58 | 20°29 | 9°40 | n.a. | T 13 |
| W14 | 2 25 46 | 6°28'26 | 13°23 | 23°42 | 23°45 | 16°23 | 24°56 | 29°39 | 28°20 | 21°51 | 26° 5 | 18°51 | 20°26 | 9°47 | n.a. | W14 |
| T 15 | 2 29 43 | 7°29'44 | 26°59 | 25° 8 | 24°45 | 16°54 | 24°57 | 29°46 | 28°23 | 21°53 | 26° 7 | 18°47 | 20°22 | 9°54 | n.a. | T 15 |
| F 16 | 2 33 39 | 8°31'03 | 10♊45 | 26°33 | 25°44 | 17°25 | 24°59 | 29°52 | 28°27 | 21°55 | 26° 9 | 18°45 | 20°19 | 10° 0 | n.a. | F 16 |
| S 17 | 2 37 36 | 9°32'22 | 24°40 | 27°55 | 26°42 | 17°56 | 25° 1 | 29°58 | 28°30 | 21°57 | 26°11 | 18°D45 | 20°16 | 10° 7 | n.a. | S 17 |
| S 18 | 2 41 32 | 10°33'41 | 8♋41 | 29°15 | 27°40 | 18°26 | 25° 4 | 0♎ 3 | 28°34 | 22° 0 | 26°13 | 18°46 | 20°13 | 10°14 | n.a. | S 18 |
| M19 | 2 45 29 | 11°35'00 | 22°46 | 0♐31 | 28°37 | 18°57 | 25° 6 | 0° 9 | 28°38 | 22° 2 | 26°15 | 18°48 | 20°10 | 10°20 | n.a. | M19 |
| T 20 | 2 49 25 | 12°36'19 | 6♌54 | 1°44 | 29°34 | 19°27 | 25° 9 | 0°15 | 28°41 | 22° 4 | 26°17 | 18°R49 | 20° 7 | 10°27 | n.a. | T 20 |
| W21 | 2 53 22 | 13°37'38 | 21° 3 | 2°52 | 0♑31 | 19°57 | 25°12 | 0°21 | 28°45 | 22° 6 | 26°19 | 18°49 | 20° 3 | 10°34 | n.a. | W21 |
| T 22 | 2 57 19 | 14°38'57 | 5♍11 | 3°55 | 1°26 | 20°27 | 25°15 | 0°27 | 28°48 | 22° 9 | 26°21 | 18°47 | 20° 0 | 10°40 | n.a. | T 22 |
| F 23 | 3 1 15 | 15°40'16 | 19°17 | 4°52 | 2°22 | 20°57 | 25°18 | 0°32 | 28°52 | 22°11 | 26°22 | 18°44 | 19°57 | 10°47 | n.a. | F 23 |
| S 24 | 3 5 12 | 16°41'34 | 3♎17 | 5°42 | 3°16 | 21°27 | 25°22 | 0°38 | 28°55 | 22°13 | 26°24 | 18°39 | 19°54 | 10°54 | n.a. | S 24 |
| S 25 | 3 9 8 | 17°42'53 | 17°10 | 6°25 | 4°10 | 21°56 | 25°26 | 0°43 | 28°59 | 22°15 | 26°26 | 18°34 | 19°51 | 11° 1 | n.a. | S 25 |
| M26 | 3 13 5 | 18°44'11 | 0♏51 | 6°59 | 5° 3 | 22°25 | 25°30 | 0°49 | 29° 2 | 22°18 | 26°28 | 18°29 | 19°47 | 11° 7 | n.a. | M26 |
| T 27 | 3 17 1 | 19°45'28 | 14°17 | 7°24 | 5°55 | 22°55 | 25°34 | 0°54 | 29° 6 | 22°20 | 26°29 | 18°25 | 19°44 | 11°14 | n.a. | T 27 |
| W28 | 3 20 58 | 20°46'46 | 27°28 | 7°38 | 6°47 | 23°24 | 25°38 | 1° 0 | 29° 9 | 22°22 | 26°31 | 18°22 | 19°41 | 11°21 | n.a. | W28 |
| T 29 | 3 24 54 | 21°48'02 | 10♐21 | 7°R41 | 7°38 | 23°52 | 25°42 | 1° 5 | 29°13 | 22°24 | 26°32 | 18°20 | 19°38 | 11°27 | n.a. | T 29 |
| F 30 | 3 28 51 | 22♏49'18 | 22♐56 | 7♐33 | 8♑28 | 24♌21 | 25♒47 | 1♎10 | 29♎16 | 22♏27 | 26♍34 | 18°D20 | 19♊35 | 11♒34 | n.a. | F 30 |

| Day | ☉ | | ☽ | | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | | lat | decl | | lat | decl | | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 9s11 | 19s35 | | 1n31 | 14s43 | | 1s51 | 25s25 | 3s 0 | 20n 1 | 1n51 | 15s 7 | 1s44 | 2n53 | 2n23 | 10s29 | 0n20 | 17s17 | 1n13 | 15n28 | 15n 1 | 23n31 | 23n37 | 22s11 | | n.a. |
| F 2 | 9 34 | 22 41 | | 0 24 | 15 19 | | 1 54 | 25 34 | 3 0 | 19 53 | 1 52 | 15 7 | 1 43 | 2 50 | 2 23 | 10 31 | 0 20 | 17 18 | 1 13 | 15 28 | 15 2 | 23 31 | 23 37 | 22 10 | | n.a. |
| S 3 | 9 57 | 24 36 | | 0s42 | 15 54 | | 1 58 | 25 42 | 2 59 | 19 45 | 1 53 | 15 7 | 1 43 | 2 47 | 2 23 | 10 32 | 0 20 | 17 19 | 1 13 | 15 27 | 15 2 | 23 31 | 23 37 | 22 9 | | n.a. |
| S 4 | 10 20 | 25 19 | | 1 45 | 16 29 | | 2 1 | 25 50 | 2 59 | 19 37 | 1 54 | 15 7 | 1 43 | 2 45 | 2 23 | 10 33 | 0 20 | 17 19 | 1 13 | 15 26 | 15 2 | 23 31 | 23 36 | 22 8 | | n.a. |
| M 5 | 10 43 | 24 50 | | 2 43 | 17 2 | | 2 4 | 25 57 | 2 58 | 19 28 | 1 55 | 15 7 | 1 42 | 2 42 | 2 24 | 10 35 | 0 20 | 17 20 | 1 13 | 15 25 | 15 2 | 23 31 | 23 36 | 22 6 | | n.a. |
| T 6 | 11 5 | 23 14 | | 3 33 | 17 35 | | 2 6 | 26 3 | 2 57 | 19 20 | 1 56 | 15 6 | 1 42 | 2 40 | 2 24 | 10 36 | 0 20 | 17 20 | 1 13 | 15 25 | 15 2 | 23 31 | 23 36 | 22 5 | | n.a. |
| W 7 | 11 27 | 20 37 | | 4 14 | 18 6 | | 2 8 | 26 8 | 2 55 | 19 12 | 1 57 | 15 6 | 1 41 | 2 37 | 2 24 | 10 37 | 0 20 | 17 21 | 1 13 | 15 24 | 15 3 | 23 31 | 23 36 | 22 4 | | n.a. |
| T 8 | 11 49 | 17 8 | | 4 45 | 18 36 | | 2 9 | 26 13 | 2 54 | 19 3 | 1 58 | 15 6 | 1 41 | 2 35 | 2 24 | 10 39 | 0 20 | 17 21 | 1 13 | 15 23 | 15 3 | 23 30 | 23 35 | 22 3 | | n.a. |
| F 9 | 12 11 | 12 55 | | 5 3 | 19 5 | | 2 11 | 26 18 | 2 53 | 18 55 | 1 58 | 15 5 | 1 41 | 2 32 | 2 24 | 10 40 | 0 20 | 17 22 | 1 13 | 15 23 | 15 3 | 23 30 | 23 35 | 22 1 | | n.a. |
| S 10 | 12 33 | 8 6 | | 5 7 | 19 33 | | 2 11 | 26 21 | 2 51 | 18 46 | 1 59 | 15 4 | 1 40 | 2 30 | 2 24 | 10 41 | 0 20 | 17 23 | 1 13 | 15 22 | 15 3 | 23 29 | 23 35 | 22 0 | | n.a. |
| S 11 | 12 54 | 2 53 | | 4 57 | 19 59 | | 2 11 | 26 24 | 2 49 | 18 38 | 2 0 | 15 4 | 1 40 | 2 28 | 2 24 | 10 43 | 0 20 | 17 23 | 1 13 | 15 22 | 15 4 | 23 28 | 23 35 | 21 59 | | n.a. |
| M12 | 13 15 | 2n36 | | 4 33 | 20 24 | | 2 11 | 26 26 | 2 47 | 18 29 | 2 1 | 15 3 | 1 40 | 2 25 | 2 24 | 10 44 | 0 20 | 17 24 | 1 13 | 15 21 | 15 4 | 23 28 | 23 35 | 21 57 | | n.a. |
| T 13 | 13 36 | 8 5 | | 3 53 | 20 47 | | 2 10 | 26 28 | 2 45 | 18 20 | 2 2 | 15 2 | 1 39 | 2 23 | 2 24 | 10 45 | 0 20 | 17 24 | 1 13 | 15 20 | 15 4 | 23 27 | 23 34 | 21 56 | | n.a. |
| W14 | 13 57 | 13 19 | | 3 0 | 21 8 | | 2 8 | 26 28 | 2 42 | 18 12 | 2 3 | 15 2 | 1 39 | 2 20 | 2 25 | 10 47 | 0 20 | 17 25 | 1 13 | 15 20 | 15 4 | 23 27 | 23 34 | 21 55 | | n.a. |
| T 15 | 14 17 | 18 0 | | 1 55 | 21 27 | | 2 5 | 26 28 | 2 40 | 18 3 | 2 4 | 15 1 | 1 39 | 2 18 | 2 25 | 10 48 | 0 20 | 17 26 | 1 13 | 15 19 | 15 5 | 23 26 | 23 34 | 21 53 | | n.a. |
| F 16 | 14 38 | 21 48 | | 0 43 | 21 45 | | 2 2 | 26 28 | 2 37 | 17 54 | 2 5 | 15 0 | 1 38 | 2 16 | 2 25 | 10 49 | 0 20 | 17 26 | 1 13 | 15 19 | 15 5 | 23 26 | 23 34 | 21 52 | | n.a. |
| S 17 | 14 58 | 24 21 | | 0n32 | 22 0 | | 1 58 | 26 27 | 2 34 | 17 45 | 2 6 | 14 59 | 1 38 | 2 13 | 2 25 | 10 51 | 0 20 | 17 27 | 1 13 | 15 18 | 15 5 | 23 26 | 23 33 | 21 51 | | n.a. |
| S 18 | 15 17 | 25 24 | | 1 46 | 22 14 | | 1 53 | 26 25 | 2 31 | 17 37 | 2 7 | 14 57 | 1 38 | 2 11 | 2 25 | 10 52 | 0 20 | 17 27 | 1 13 | 15 18 | 15 6 | 23 26 | 23 33 | 21 49 | | n.a. |
| M19 | 15 37 | 24 49 | | 2 55 | 22 25 | | 1 47 | 26 22 | 2 27 | 17 28 | 2 8 | 14 56 | 1 37 | 2 9 | 2 25 | 10 53 | 0 20 | 17 28 | 1 13 | 15 17 | 15 6 | 23 26 | 23 33 | 21 48 | | n.a. |
| T 20 | 15 56 | 22 40 | | 3 52 | 22 33 | | 1 40 | 26 19 | 2 24 | 17 19 | 2 9 | 14 55 | 1 37 | 2 7 | 2 25 | 10 54 | 0 20 | 17 29 | 1 13 | 15 17 | 15 6 | 23 26 | 23 33 | 21 47 | | n.a. |
| W21 | 16 15 | 19 7 | | 4 36 | 22 39 | | 1 32 | 26 15 | 2 20 | 17 10 | 2 10 | 14 54 | 1 37 | 2 5 | 2 25 | 10 56 | 0 20 | 17 29 | 1 13 | 15 16 | 15 6 | 23 26 | 23 32 | 21 45 | | n.a. |
| T 22 | 16 33 | 14 29 | | 5 3 | 22 43 | | 1 23 | 26 11 | 2 16 | 17 1 | 2 11 | 14 52 | 1 36 | 2 2 | 2 26 | 10 57 | 0 20 | 17 30 | 1 13 | 15 16 | 15 7 | 23 26 | 23 32 | 21 44 | | n.a. |
| F 23 | 16 52 | 9 5 | | 5 12 | 22 43 | | 1 12 | 26 6 | 2 12 | 16 52 | 2 12 | 14 51 | 1 36 | 2 0 | 2 26 | 10 58 | 0 20 | 17 30 | 1 13 | 15 16 | 15 7 | 23 26 | 23 32 | 21 43 | | n.a. |
| S 24 | 17 10 | 3 16 | | 5 2 | 22 41 | | 1 1 | 26 0 | 2 7 | 16 44 | 2 13 | 14 49 | 1 36 | 1 58 | 2 26 | 11 0 | 0 20 | 17 31 | 1 13 | 15 15 | 15 7 | 23 26 | 23 32 | 21 41 | | n.a. |
| S 25 | 17 27 | 2s40 | | 4 34 | 22 36 | | 0 48 | 25 54 | 2 3 | 16 35 | 2 14 | 14 48 | 1 35 | 1 56 | 2 26 | 11 1 | 0 20 | 17 32 | 1 13 | 15 15 | 15 8 | 23 25 | 23 31 | 21 40 | | n.a. |
| M26 | 17 45 | 8 24 | | 3 51 | 22 28 | | 0 34 | 25 47 | 1 58 | 16 26 | 2 15 | 14 46 | 1 35 | 1 54 | 2 26 | 11 2 | 0 20 | 17 32 | 1 13 | 15 14 | 15 8 | 23 25 | 23 31 | 21 39 | | n.a. |
| T 27 | 18 2 | 13 39 | | 2 56 | 22 17 | | 0 19 | 25 40 | 1 53 | 16 17 | 2 16 | 14 44 | 1 35 | 1 52 | 2 26 | 11 3 | 0 20 | 17 33 | 1 13 | 15 14 | 15 9 | 23 24 | 23 31 | 21 37 | | n.a. |
| W28 | 18 18 | 18 10 | | 1 52 | 22 4 | | 0 2 | 25 32 | 1 48 | 16 8 | 2 17 | 14 42 | 1 34 | 1 50 | 2 27 | 11 5 | 0 20 | 17 33 | 1 13 | 15 14 | 15 9 | 23 24 | 23 31 | 21 36 | | n.a. |
| T 29 | 18 35 | 21 44 | | 0 44 | 21 47 | | 0n15 | 25 24 | 1 42 | 15 59 | 2 18 | 14 41 | 1 34 | 1 48 | 2 27 | 11 6 | 0 20 | 17 34 | 1 13 | 15 13 | 15 9 | 23 24 | 23 30 | 21 34 | | n.a. |
| F 30 | 18s51 | 24s 9 | | 0s25 | 21s27 | | 0n34 | 25s15 | 1s36 | 15n51 | 2n19 | 14s39 | 1s34 | 1n46 | 2n27 | 11s 7 | 0n20 | 17s35 | 1n13 | 15n13 | 15n10 | 23n24 | 23n30 | 21s33 | | n.a. |

Julian Day Number = 1004376.5, Delta T = 12h47m25s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'26, Lahiri = -31°01'25 Julian Calendar 1 Nov. 1964 BCE == Greg. Calendar 15 Oct. 1964 BCE


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# ASTRODIENST EPHEMERIS for the year 1964 BCE
# geocentric

## DECEMBER 1964 BCE (-1963) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 32 48 | 23♏50'33 | 5♉16 | 7°R14 | 9♉18 | 24♌50 | 25♒52 | 1♎15 | 29♎20 | 22♏29 | 26♍36 | 18♊21 | 19♊32 | 11♒41 | n.a. | S 1 |
| S 2 | 3 36 44 | 24°51'47 | 17°23 | 6♐42 | 10° 6 | 25°18 | 25°57 | 1°20 | 29°23 | 22°31 | 26°37 | 18°23 | 19°28 | 11°47 | n.a. | S 2 |
| M 3 | 3 40 41 | 25°53'00 | 29°20 | 5°59 | 10°53 | 25°46 | 26° 2 | 1°25 | 29°26 | 22°34 | 26°39 | 18°24 | 19°25 | 11°54 | n.a. | M 3 |
| T 4 | 3 44 37 | 26°54'12 | 11♒11 | 5° 6 | 11°40 | 26°14 | 26° 8 | 1°30 | 29°30 | 22°36 | 26°40 | 18°26 | 19°22 | 12° 1 | n.a. | T 4 |
| W 5 | 3 48 34 | 27°55'23 | 23° 2 | 4° 5 | 12°26 | 26°41 | 26°13 | 1°35 | 29°33 | 22°38 | 26°42 | 18°R27 | 19°19 | 12° 8 | n.a. | W 5 |
| T 6 | 3 52 30 | 28°56'33 | 4♓57 | 2°56 | 13°10 | 27° 9 | 26°19 | 1°40 | 29°36 | 22°40 | 26°43 | 18°27 | 19°16 | 12°14 | n.a. | T 6 |
| F 7 | 3 56 27 | 29°57'41 | 17° 1 | 1°42 | 13°54 | 27°36 | 26°25 | 1°45 | 29°40 | 22°43 | 26°44 | 18°26 | 19°13 | 12°21 | n.a. | F 7 |
| S 8 | 4 0 24 | 0♐58'48 | 29°18 | 0°25 | 14°36 | 28° 3 | 26°31 | 1°49 | 29°43 | 22°45 | 26°46 | 18°24 | 19° 9 | 12°28 | n.a. | S 8 |
| S 9 | 4 4 20 | 1°59'54 | 11♈53 | 29♏ 8 | 15°17 | 28°30 | 26°37 | 1°54 | 29°46 | 22°47 | 26°47 | 18°22 | 19° 6 | 12°34 | n.a. | S 9 |
| M10 | 4 8 17 | 3° 0'59 | 24°48 | 27°53 | 15°57 | 28°57 | 26°44 | 1°59 | 29°49 | 22°49 | 26°48 | 18°19 | 19° 3 | 12°41 | n.a. | M10 |
| T 11 | 4 12 13 | 4° 2'02 | 8♉ 5 | 26°42 | 16°36 | 29°23 | 26°50 | 2° 3 | 29°53 | 22°52 | 26°50 | 18°17 | 19° 0 | 12°48 | n.a. | T 11 |
| W12 | 4 16 10 | 5° 3'04 | 21°43 | 25°37 | 17°13 | 29°49 | 26°57 | 2° 7 | 29°56 | 22°54 | 26°51 | 18°15 | 18°57 | 12°54 | n.a. | W12 |
| T 13 | 4 20 6 | 6° 4'05 | 5♊40 | 24°39 | 17°49 | 0♍15 | 27° 4 | 2°12 | 29°59 | 22°56 | 26°52 | 18°15 | 18°53 | 13° 1 | n.a. | T 13 |
| F 14 | 4 24 3 | 7° 5'05 | 19°54 | 23°49 | 18°24 | 0°41 | 27°11 | 2°16 | 0♏ 2 | 22°58 | 26°53 | 18°D14 | 18°50 | 13° 8 | n.a. | F 14 |
| S 15 | 4 27 59 | 8° 6'04 | 4♋18 | 23° 7 | 18°57 | 1° 7 | 27°18 | 2°20 | 0° 5 | 23° 1 | 26°54 | 18°15 | 18°47 | 13°15 | n.a. | S 15 |
| S 16 | 4 31 56 | 9° 7'02 | 18°48 | 22°34 | 19°28 | 1°32 | 27°26 | 2°24 | 0° 8 | 23° 3 | 26°55 | 18°15 | 18°44 | 13°21 | n.a. | S 16 |
| M17 | 4 35 53 | 10° 7'59 | 3♌18 | 22°10 | 19°58 | 1°57 | 27°33 | 2°28 | 0°11 | 23° 5 | 26°57 | 18°16 | 18°41 | 13°28 | n.a. | M17 |
| T 18 | 4 39 49 | 11° 8'54 | 17°44 | 21°54 | 20°27 | 2°22 | 27°41 | 2°32 | 0°14 | 23° 7 | 26°58 | 18°17 | 18°38 | 13°35 | n.a. | T 18 |
| W19 | 4 43 46 | 12° 9'48 | 2♍ 1 | 21°D47 | 20°53 | 2°46 | 27°49 | 2°36 | 0°17 | 23° 9 | 26°59 | 18°17 | 18°34 | 13°41 | n.a. | W19 |
| T 20 | 4 47 42 | 13°10'42 | 16° 8 | 21°48 | 21°18 | 3°10 | 27°57 | 2°40 | 0°20 | 23°12 | 26°59 | 18°R17 | 18°31 | 13°48 | n.a. | T 20 |
| F 21 | 4 51 39 | 14°11'34 | 0♎ 2 | 21°56 | 21°41 | 3°34 | 28° 5 | 2°43 | 0°23 | 23°14 | 27° 0 | 18°17 | 18°28 | 13°55 | n.a. | F 21 |
| S 22 | 4 55 35 | 15°12'25 | 13°43 | 22°10 | 22° 3 | 3°58 | 28°13 | 2°47 | 0°26 | 23°16 | 27° 1 | 18°17 | 18°25 | 14° 1 | n.a. | S 22 |
| S 23 | 4 59 32 | 16°13'15 | 27°10 | 22°31 | 22°22 | 4°21 | 28°22 | 2°50 | 0°29 | 23°18 | 27° 2 | 18°16 | 18°22 | 14° 8 | n.a. | S 23 |
| M24 | 5 3 29 | 17°14'03 | 10♏24 | 22°58 | 22°39 | 4°44 | 28°30 | 2°54 | 0°31 | 23°20 | 27° 3 | 18°16 | 18°19 | 14°15 | n.a. | M24 |
| T 25 | 5 7 25 | 18°14'50 | 23°25 | 23°30 | 22°54 | 5° 7 | 28°39 | 2°57 | 0°34 | 23°22 | 27° 4 | 18°D16 | 18°15 | 14°22 | n.a. | T 25 |
| W26 | 5 11 22 | 19°15'36 | 6♐12 | 24° 7 | 23° 7 | 5°29 | 28°48 | 3° 0 | 0°37 | 23°24 | 27° 5 | 18°16 | 18°12 | 14°28 | n.a. | W26 |
| T 27 | 5 15 18 | 20°16'20 | 18°47 | 24°49 | 23°18 | 5°51 | 28°57 | 3° 4 | 0°40 | 23°26 | 27° 5 | 18°R16 | 18° 9 | 14°35 | n.a. | T 27 |
| F 28 | 5 19 15 | 21°17'03 | 1♉ 9 | 25°34 | 23°26 | 6°13 | 29° 6 | 3° 7 | 0°42 | 23°29 | 27° 6 | 18°16 | 18° 6 | 14°42 | n.a. | F 28 |
| S 29 | 5 23 11 | 22°17'44 | 13°21 | 26°24 | 23°32 | 6°34 | 29°15 | 3°10 | 0°45 | 23°31 | 27° 7 | 18°16 | 18° 3 | 14°48 | n.a. | S 29 |
| S 30 | 5 27 8 | 23°18'23 | 25°24 | 27°16 | 23°36 | 6°55 | 29°24 | 3°12 | 0°47 | 23°33 | 27° 7 | 18°15 | 17°59 | 14°55 | n.a. | S 30 |
| M31 | 5 31 4 | 24♐19'01 | 7♒19 | 28♏12 | 23°R37 | 7♍16 | 29♒34 | 3♎15 | 0♏50 | 23♏35 | 27♍ 8 | 18♊15 | 17♊56 | 15♒ 2 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 19s 7 | 25s21 | 1s32 | 21s 5 | 0n53 | 25s 5 | 1s30 | 15n42 | 2n20 | 14s37 | 1s33 | 1n44 | 2n27 | 11s 8 | 0n20 | 17s35 | 1n13 | 15n13 | 15n10 | 23n24 | 23n30 | 21s32 | | n.a. |
| S 2 | 19 22 | 25 18 | 2 33 | 20 41 | 1 12 | 24 55 | 1 24 | 15 33 | 2 21 | 14 35 | 1 33 | 1 42 | 2 27 | 11 10 | 0 20 | 17 36 | 1 13 | 15 12 | 15 10 | 23 24 | 23 30 | 21 30 | | n.a. |
| M 3 | 19 37 | 24 4 | 3 27 | 20 14 | 1 32 | 24 45 | 1 18 | 15 24 | 2 22 | 14 33 | 1 33 | 1 40 | 2 27 | 11 11 | 0 20 | 17 36 | 1 13 | 15 12 | 15 11 | 23 24 | 23 29 | 21 29 | | n.a. |
| T 4 | 19 51 | 21 47 | 4 11 | 19 45 | 1 51 | 24 34 | 1 11 | 15 16 | 2 23 | 14 30 | 1 32 | 1 38 | 2 28 | 11 12 | 0 20 | 17 37 | 1 13 | 15 12 | 15 11 | 23 24 | 23 29 | 21 27 | | n.a. |
| W 5 | 20 6 | 18 35 | 4 45 | 19 16 | 2 10 | 24 23 | 1 4 | 15 7 | 2 24 | 14 28 | 1 32 | 1 37 | 2 28 | 11 13 | 0 20 | 17 38 | 1 13 | 15 12 | 15 12 | 23 24 | 23 29 | 21 26 | | n.a. |
| T 6 | 20 19 | 14 38 | 5 7 | 18 46 | 2 27 | 24 12 | 0 57 | 14 58 | 2 25 | 14 26 | 1 32 | 1 35 | 2 28 | 11 14 | 0 20 | 17 38 | 1 13 | 15 12 | 15 12 | 23 24 | 23 29 | 21 24 | | n.a. |
| F 7 | 20 33 | 10 3 | 5 16 | 18 15 | 2 43 | 24 0 | 0 49 | 14 50 | 2 26 | 14 24 | 1 32 | 1 33 | 2 28 | 11 16 | 0 20 | 17 39 | 1 13 | 15 11 | 15 12 | 23 24 | 23 28 | 21 23 | | n.a. |
| S 8 | 20 46 | 5 0 | 5 10 | 17 46 | 2 57 | 23 47 | 0 41 | 14 41 | 2 27 | 14 21 | 1 31 | 1 31 | 2 28 | 11 17 | 0 20 | 17 39 | 1 13 | 15 11 | 15 13 | 23 24 | 23 28 | 21 21 | | n.a. |
| S 9 | 20 59 | 0n22 | 4 50 | 17 18 | 3 9 | 23 34 | 0 33 | 14 32 | 2 28 | 14 19 | 1 31 | 1 30 | 2 29 | 11 18 | 0 20 | 17 40 | 1 13 | 15 11 | 15 13 | 23 24 | 23 28 | 21 20 | | n.a. |
| M10 | 21 11 | 5 52 | 4 14 | 16 52 | 3 18 | 23 21 | 0 25 | 14 24 | 2 29 | 14 16 | 1 31 | 1 28 | 2 29 | 11 19 | 0 20 | 17 41 | 1 13 | 15 11 | 15 14 | 23 24 | 23 28 | 21 19 | | n.a. |
| T 11 | 21 23 | 11 16 | 3 24 | 16 29 | 3 25 | 23 8 | 0 16 | 14 16 | 2 31 | 14 13 | 1 30 | 1 26 | 2 29 | 11 20 | 0 20 | 17 41 | 1 13 | 15 11 | 15 14 | 23 24 | 23 27 | 21 17 | | n.a. |
| W12 | 21 34 | 16 17 | 2 22 | 16 9 | 3 30 | 22 54 | 0 7 | 14 7 | 2 32 | 14 11 | 1 30 | 1 25 | 2 29 | 11 21 | 0 20 | 17 42 | 1 13 | 15 11 | 15 14 | 23 23 | 23 27 | 21 16 | | n.a. |
| T 13 | 21 45 | 20 33 | 1 9 | 15 53 | 3 33 | 22 41 | 0n 2 | 13 59 | 2 33 | 14 8 | 1 30 | 1 23 | 2 29 | 11 22 | 0 20 | 17 42 | 1 13 | 15 11 | 15 15 | 23 23 | 23 27 | 21 14 | | n.a. |
| F 14 | 21 56 | 23 41 | 0n 9 | 15 40 | 3 33 | 22 26 | 0 11 | 13 50 | 2 34 | 14 5 | 1 29 | 1 22 | 2 30 | 11 24 | 0 20 | 17 43 | 1 13 | 15 10 | 15 15 | 23 23 | 23 26 | 21 13 | | n.a. |
| S 15 | 22 6 | 25 19 | 1 28 | 15 31 | 3 31 | 22 12 | 0 21 | 13 42 | 2 35 | 14 3 | 1 29 | 1 20 | 2 30 | 11 25 | 0 20 | 17 43 | 1 13 | 15 10 | 15 16 | 23 23 | 23 26 | 21 11 | | n.a. |
| S 16 | 22 16 | 25 14 | 2 41 | 15 26 | 3 28 | 21 58 | 0 31 | 13 34 | 2 36 | 14 0 | 1 29 | 1 19 | 2 30 | 11 26 | 0 20 | 17 44 | 1 13 | 15 10 | 15 16 | 23 23 | 23 26 | 21 10 | | n.a. |
| M17 | 22 25 | 23 27 | 3 45 | 15 24 | 3 24 | 21 43 | 0 41 | 13 26 | 2 37 | 13 57 | 1 29 | 1 17 | 2 30 | 11 27 | 0 20 | 17 45 | 1 13 | 15 10 | 15 17 | 23 23 | 23 26 | 21 8 | | n.a. |
| T 18 | 22 34 | 20 9 | 4 33 | 15 26 | 3 18 | 21 28 | 0 52 | 13 18 | 2 38 | 13 54 | 1 28 | 1 16 | 2 30 | 11 28 | 0 20 | 17 45 | 1 13 | 15 10 | 15 17 | 23 24 | 23 25 | 21 7 | | n.a. |
| W19 | 22 42 | 15 41 | 5 5 | 15 30 | 3 11 | 21 13 | 1 3 | 13 10 | 2 40 | 13 51 | 1 28 | 1 15 | 2 31 | 11 29 | 0 20 | 17 46 | 1 13 | 15 10 | 15 18 | 23 24 | 23 25 | 21 5 | | n.a. |
| T 20 | 22 50 | 10 26 | 5 17 | 15 38 | 3 3 | 20 59 | 1 14 | 13 2 | 2 41 | 13 48 | 1 28 | 1 13 | 2 31 | 11 30 | 0 20 | 17 46 | 1 13 | 15 10 | 15 18 | 23 24 | 23 25 | 21 4 | | n.a. |
| F 21 | 22 58 | 4 43 | 5 11 | 15 48 | 2 55 | 20 44 | 1 26 | 12 54 | 2 42 | 13 45 | 1 27 | 1 12 | 2 31 | 11 31 | 0 20 | 17 47 | 1 13 | 15 10 | 15 18 | 23 24 | 23 25 | 21 2 | | n.a. |
| S 22 | 23 5 | 1s 8 | 4 47 | 16 0 | 2 46 | 20 29 | 1 37 | 12 47 | 2 43 | 13 41 | 1 27 | 1 11 | 2 31 | 11 32 | 0 20 | 17 47 | 1 13 | 15 10 | 15 19 | 23 24 | 23 24 | 21 0 | | n.a. |
| S 23 | 23 11 | 6 50 | 4 7 | 16 15 | 2 37 | 20 14 | 1 49 | 12 39 | 2 44 | 13 38 | 1 27 | 1 9 | 2 31 | 11 33 | 0 20 | 17 48 | 1 13 | 15 11 | 15 19 | 23 23 | 23 24 | 20 59 | | n.a. |
| M24 | 23 18 | 12 9 | 3 15 | 16 31 | 2 27 | 19 59 | 2 2 | 12 32 | 2 46 | 13 35 | 1 27 | 1 8 | 2 32 | 11 34 | 0 20 | 17 48 | 1 13 | 15 11 | 15 20 | 23 23 | 23 24 | 20 57 | | n.a. |
| T 25 | 23 23 | 16 51 | 2 14 | 16 49 | 2 17 | 19 44 | 2 14 | 12 24 | 2 47 | 13 31 | 1 26 | 1 7 | 2 32 | 11 35 | 0 20 | 17 49 | 1 13 | 15 11 | 15 20 | 23 23 | 23 23 | 20 56 | | n.a. |
| W26 | 23 29 | 20 41 | 1 7 | 17 8 | 2 7 | 19 29 | 2 27 | 12 17 | 2 48 | 13 28 | 1 26 | 1 6 | 2 32 | 11 36 | 0 20 | 17 50 | 1 13 | 15 11 | 15 21 | 23 23 | 23 23 | 20 54 | | n.a. |
| T 27 | 23 33 | 23 29 | 0s 3 | 17 28 | 1 57 | 19 14 | 2 40 | 12 10 | 2 49 | 13 25 | 1 26 | 1 5 | 2 32 | 11 37 | 0 20 | 17 50 | 1 13 | 15 11 | 15 21 | 23 23 | 23 23 | 20 53 | | n.a. |
| F 28 | 23 38 | 25 6 | 1 11 | 17 49 | 1 47 | 19 0 | 2 53 | 12 3 | 2 50 | 13 21 | 1 26 | 1 4 | 2 33 | 11 38 | 0 20 | 17 51 | 1 13 | 15 11 | 15 22 | 23 23 | 23 23 | 20 51 | | n.a. |
| S 29 | 23 41 | 25 28 | 2 15 | 18 10 | 1 37 | 18 45 | 3 7 | 11 56 | 2 52 | 13 18 | 1 25 | 1 3 | 2 33 | 11 39 | 0 20 | 17 51 | 1 13 | 15 11 | 15 22 | 23 23 | 23 22 | 20 50 | | n.a. |
| S 30 | 23 45 | 24 38 | 3 12 | 18 32 | 1 27 | 18 31 | 3 20 | 11 49 | 2 53 | 13 14 | 1 25 | 1 2 | 2 33 | 11 40 | 0 20 | 17 52 | 1 13 | 15 11 | 15 23 | 23 23 | 23 22 | 20 48 | | n.a. |
| M31 | 23s48 | 22s40 | 4s 0 | 18s55 | 1n17 | 18s17 | 3n34 | 11n42 | 2n54 | 13s10 | 1s25 | 1n 1 | 2n33 | 11s41 | 0n20 | 17s52 | 1n13 | 15n12 | 15n23 | 23n23 | 23n22 | 20s46 | | n.a. |

Julian Day Number = 1004406.5, Delta T = 12h47m23s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'22, Lahiri = -31°01'21 Julian Calendar 1 Dec. 1964 BCE == Greg. Calendar 14 Nov. 1964 BCE

The year -1963 astronomical counting style corresponds to year 1964 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## JANUARY 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 35 1 | 25♐19'36 | 19♒10 | 29♏11 | 23°R36 | 7♍36 | 29♒43 | 3♎18 | 0♏52 | 23♏37 | 27♍ 8 | 18°R14 | 17♊53 | 15♒ 8 | n.a. | T 1 |
| W 2 | 5 38 58 | 26°20'09 | 1♓ 1 | 0♐12 | 23♑32 | 7°56 | 29°53 | 3°20 | 0°55 | 23°39 | 27° 9 | 18♊13 | 17°50 | 15°15 | n.a. | W 2 |
| T 3 | 5 42 54 | 27°20'41 | 12°55 | 1°16 | 23°26 | 8°16 | 0♓ 3 | 3°23 | 0°57 | 23°41 | 27° 9 | 18°12 | 17°47 | 15°22 | n.a. | T 3 |
| F 4 | 5 46 51 | 28°21'10 | 24°57 | 2°23 | 23°17 | 8°35 | 0°13 | 3°25 | 1° 0 | 23°43 | 27°10 | 18°D12 | 17°44 | 15°29 | n.a. | F 4 |
| S 5 | 5 50 47 | 29°21'37 | 7♈11 | 3°31 | 23° 6 | 8°54 | 0°23 | 3°28 | 1° 2 | 23°45 | 27°10 | 18°12 | 17°40 | 15°35 | n.a. | S 5 |
| S 6 | 5 54 44 | 0♑22'02 | 19°42 | 4°41 | 22°52 | 9°12 | 0°33 | 3°30 | 1° 4 | 23°47 | 27°10 | 18°12 | 17°37 | 15°42 | n.a. | S 6 |
| M 7 | 5 58 40 | 1°22'25 | 2♉34 | 5°54 | 22°35 | 9°30 | 0°44 | 3°32 | 1° 7 | 23°48 | 27°11 | 18°13 | 17°34 | 15°49 | n.a. | M 7 |
| T 8 | 6 2 37 | 2°22'46 | 15°50 | 7° 8 | 22°16 | 9°48 | 0°54 | 3°34 | 1° 9 | 23°50 | 27°11 | 18°15 | 17°31 | 15°55 | n.a. | T 8 |
| W 9 | 6 6 33 | 3°23'05 | 29°31 | 8°23 | 21°55 | 10° 5 | 1° 4 | 3°36 | 1°11 | 23°52 | 27°11 | 18°16 | 17°28 | 16° 2 | n.a. | W 9 |
| T 10 | 6 10 30 | 4°23'21 | 13♊39 | 9°41 | 21°31 | 10°21 | 1°15 | 3°38 | 1°13 | 23°54 | 27°12 | 18°R16 | 17°25 | 16° 9 | n.a. | T 10 |
| F 11 | 6 14 27 | 5°23'36 | 28° 9 | 10°59 | 21° 6 | 10°38 | 1°26 | 3°40 | 1°15 | 23°56 | 27°12 | 18°16 | 17°21 | 16°15 | n.a. | F 11 |
| S 12 | 6 18 23 | 6°23'49 | 12♋56 | 12°20 | 20°38 | 10°53 | 1°37 | 3°41 | 1°17 | 23°58 | 27°12 | 18°15 | 17°18 | 16°22 | n.a. | S 12 |
| S 13 | 6 22 20 | 7°23'59 | 27°53 | 13°41 | 20° 8 | 11° 9 | 1°48 | 3°43 | 1°19 | 23°59 | 27°12 | 18°13 | 17°15 | 16°29 | n.a. | S 13 |
| M14 | 6 26 16 | 8°24'08 | 12♌51 | 15° 4 | 19°36 | 11°24 | 1°59 | 3°44 | 1°21 | 24° 1 | 27°12 | 18°10 | 17°12 | 16°36 | n.a. | M14 |
| T 15 | 6 30 13 | 9°24'15 | 27°43 | 16°28 | 19° 3 | 11°38 | 2°10 | 3°46 | 1°23 | 24° 3 | 27°12 | 18° 8 | 17° 9 | 16°42 | n.a. | T 15 |
| W16 | 6 34 9 | 10°24'20 | 12♍20 | 17°54 | 18°28 | 11°52 | 2°21 | 3°47 | 1°25 | 24° 5 | 27°R12 | 18° 5 | 17° 5 | 16°49 | n.a. | W16 |
| T 17 | 6 38 6 | 11°24'23 | 26°38 | 19°21 | 17°52 | 12° 5 | 2°32 | 3°48 | 1°27 | 24° 6 | 27°12 | 18° 3 | 17° 2 | 16°56 | n.a. | T 17 |
| F 18 | 6 42 2 | 12°24'25 | 10♎35 | 20°49 | 17°16 | 12°18 | 2°44 | 3°49 | 1°28 | 24° 8 | 27°12 | 18°D 3 | 16°59 | 17° 2 | n.a. | F 18 |
| S 19 | 6 45 59 | 13°24'24 | 24°10 | 22°18 | 16°38 | 12°30 | 2°55 | 3°50 | 1°30 | 24°10 | 27°12 | 18° 3 | 16°56 | 17° 9 | n.a. | S 19 |
| S 20 | 6 49 56 | 14°24'22 | 7♏25 | 23°48 | 16° 0 | 12°42 | 3° 7 | 3°51 | 1°32 | 24°11 | 27°12 | 18° 4 | 16°53 | 17°16 | n.a. | S 20 |
| M21 | 6 53 52 | 15°24'18 | 20°21 | 25°20 | 15°22 | 12°53 | 3°19 | 3°52 | 1°33 | 24°13 | 27°12 | 18° 6 | 16°50 | 17°23 | n.a. | M21 |
| T 22 | 6 57 49 | 16°24'13 | 3♐ 2 | 26°53 | 14°45 | 13° 4 | 3°30 | 3°52 | 1°35 | 24°15 | 27°11 | 18° 7 | 16°46 | 17°29 | n.a. | T 22 |
| W23 | 7 1 45 | 17°24'05 | 15°29 | 28°27 | 14° 7 | 13°14 | 3°42 | 3°53 | 1°37 | 24°16 | 27°11 | 18°R 8 | 16°43 | 17°36 | n.a. | W23 |
| T 24 | 7 5 42 | 18°23'55 | 27°46 | 0♑ 2 | 13°30 | 13°23 | 3°54 | 3°53 | 1°38 | 24°18 | 27°11 | 18° 8 | 16°40 | 17°43 | n.a. | T 24 |
| F 25 | 7 9 38 | 19°23'44 | 9♑55 | 1°38 | 12°54 | 13°32 | 4° 6 | 3°54 | 1°39 | 24°19 | 27°11 | 18° 6 | 16°37 | 17°49 | n.a. | F 25 |
| S 26 | 7 13 35 | 20°23'30 | 21°56 | 3°15 | 12°19 | 13°40 | 4°18 | 3°54 | 1°41 | 24°21 | 27°10 | 18° 2 | 16°34 | 17°56 | n.a. | S 26 |
| S 27 | 7 17 31 | 21°23'14 | 3♒53 | 4°54 | 11°45 | 13°48 | 4°30 | 3°54 | 1°42 | 24°22 | 27°10 | 17°57 | 16°31 | 18° 3 | n.a. | S 27 |
| M28 | 7 21 28 | 22°22'56 | 15°45 | 6°34 | 11°13 | 13°55 | 4°43 | 3°R54 | 1°43 | 24°24 | 27° 9 | 17°51 | 16°27 | 18° 9 | n.a. | M28 |
| T 29 | 7 25 25 | 23°22'35 | 27°36 | 8°15 | 10°42 | 14° 1 | 4°55 | 3°54 | 1°45 | 24°25 | 27° 9 | 17°44 | 16°24 | 18°16 | n.a. | T 29 |
| W30 | 7 29 21 | 24°22'12 | 9♓28 | 9°57 | 10°13 | 14° 7 | 5° 7 | 3°54 | 1°46 | 24°26 | 27° 8 | 17°37 | 16°21 | 18°23 | n.a. | W30 |
| T 31 | 7 33 18 | 25♑21'47 | 21♓22 | 11♑40 | 9♑46 | 14♍12 | 5♓20 | 3♎54 | 1♏47 | 24♏28 | 27♍ 8 | 17♊32 | 16♊18 | 18♒30 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 23 s50 | 19 s45 | 4 s37 | 19 s18 | 1n 7 | 18 s 4 | 3n48 | 11n35 | 2n55 | 13 s 7 | 1 s24 | 1n 0 | 2n34 | 11 s42 | 0n20 | 17 s53 | 1n13 | 15n12 | 15n24 | 23n23 | 23n21 | 20 s45 | | | n.a. |
| W 2 | 23 52 | 16 2 | 5 3 | 19 41 | 0 57 | 17 51 | 4 2 | 11 29 | 2 57 | 13 3 | 1 24 | 0 59 | 2 34 | 11 42 | 0 20 | 17 53 | 1 13 | 15 12 | 15 24 | 23 23 | 23 21 | 20 43 | | | n.a. |
| T 3 | 23 54 | 11 41 | 5 15 | 20 4 | 0 47 | 17 38 | 4 16 | 11 23 | 2 58 | 12 59 | 1 24 | 0 59 | 2 34 | 11 43 | 0 20 | 17 54 | 1 13 | 15 12 | 15 25 | 23 23 | 23 21 | 20 42 | | | n.a. |
| F 4 | 23 55 | 6 50 | 5 15 | 20 26 | 0 38 | 17 25 | 4 31 | 11 16 | 2 59 | 12 55 | 1 24 | 0 58 | 2 34 | 11 44 | 0 20 | 17 54 | 1 13 | 15 13 | 15 25 | 23 23 | 23 20 | 20 40 | | | n.a. |
| S 5 | 23 55 | 1 40 | 5 0 | 20 49 | 0 28 | 17 13 | 4 45 | 11 10 | 3 0 | 12 51 | 1 24 | 0 57 | 2 35 | 11 45 | 0 20 | 17 55 | 1 13 | 15 13 | 15 25 | 23 23 | 23 20 | 20 38 | | | n.a. |
| S 6 | 23 55 | 3n42 | 4 30 | 21 11 | 0 19 | 17 2 | 4 59 | 11 4 | 3 2 | 12 48 | 1 23 | 0 56 | 2 35 | 11 46 | 0 20 | 17 55 | 1 13 | 15 13 | 15 26 | 23 23 | 23 20 | 20 37 | | | n.a. |
| M 7 | 23 55 | 9 4 | 3 47 | 21 33 | 0 10 | 16 51 | 5 13 | 10 59 | 3 3 | 12 44 | 1 23 | 0 56 | 2 35 | 11 46 | 0 20 | 17 55 | 1 13 | 15 13 | 15 26 | 23 23 | 23 20 | 20 35 | | | n.a. |
| T 8 | 23 54 | 14 12 | 2 50 | 21 55 | 0 1 | 16 40 | 5 27 | 10 53 | 3 4 | 12 40 | 1 23 | 0 55 | 2 35 | 11 47 | 0 20 | 17 56 | 1 13 | 15 14 | 15 27 | 23 23 | 23 19 | 20 33 | | | n.a. |
| W 9 | 23 53 | 18 48 | 1 42 | 22 16 | 0s 7 | 16 30 | 5 40 | 10 48 | 3 6 | 12 36 | 1 23 | 0 55 | 2 36 | 11 48 | 0 20 | 17 56 | 1 13 | 15 14 | 15 27 | 23 23 | 23 19 | 20 32 | | | n.a. |
| T 10 | 23 51 | 22 28 | 0 26 | 22 36 | 0 15 | 16 20 | 5 54 | 10 42 | 3 7 | 12 31 | 1 22 | 0 54 | 2 36 | 11 49 | 0 20 | 17 57 | 1 13 | 15 14 | 15 28 | 23 23 | 23 19 | 20 30 | | | n.a. |
| F 11 | 23 48 | 24 49 | 0n54 | 22 56 | 0 24 | 16 11 | 6 7 | 10 37 | 3 8 | 12 27 | 1 22 | 0 54 | 2 36 | 11 50 | 0 20 | 17 57 | 1 13 | 15 15 | 15 28 | 23 23 | 23 18 | 20 28 | | | n.a. |
| S 12 | 23 46 | 25 28 | 2 12 | 23 15 | 0 31 | 16 3 | 6 19 | 10 32 | 3 9 | 12 23 | 1 22 | 0 53 | 2 36 | 11 50 | 0 20 | 17 58 | 1 13 | 15 15 | 15 29 | 23 23 | 23 18 | 20 27 | | | n.a. |
| S 13 | 23 43 | 24 17 | 3 21 | 23 33 | 0 39 | 15 55 | 6 32 | 10 27 | 3 11 | 12 19 | 1 22 | 0 53 | 2 37 | 11 51 | 0 20 | 17 58 | 1 13 | 15 16 | 15 29 | 23 23 | 23 18 | 20 25 | | | n.a. |
| M14 | 23 39 | 21 24 | 4 17 | 23 50 | 0 46 | 15 48 | 6 43 | 10 23 | 3 12 | 12 15 | 1 21 | 0 52 | 2 37 | 11 52 | 0 20 | 17 59 | 1 13 | 15 16 | 15 30 | 23 23 | 23 17 | 20 23 | | | n.a. |
| T 15 | 23 35 | 17 7 | 4 55 | 24 6 | 0 53 | 15 42 | 6 54 | 10 18 | 3 13 | 12 10 | 1 21 | 0 52 | 2 37 | 11 52 | 0 20 | 17 59 | 1 13 | 15 16 | 15 30 | 23 23 | 23 17 | 20 22 | | | n.a. |
| W16 | 23 30 | 11 52 | 5 13 | 24 21 | 1 0 | 15 36 | 7 5 | 10 14 | 3 15 | 12 6 | 1 21 | 0 52 | 2 37 | 11 53 | 0 20 | 17 59 | 1 13 | 15 17 | 15 31 | 23 22 | 23 17 | 20 20 | | | n.a. |
| T 17 | 23 25 | 6 6 | 5 11 | 24 35 | 1 6 | 15 31 | 7 15 | 10 10 | 3 16 | 12 2 | 1 21 | 0 52 | 2 38 | 11 54 | 0 20 | 18 0 | 1 13 | 15 17 | 15 31 | 23 22 | 23 16 | 20 18 | | | n.a. |
| F 18 | 23 20 | 0 11 | 4 51 | 24 48 | 1 13 | 15 27 | 7 24 | 10 6 | 3 17 | 11 57 | 1 21 | 0 51 | 2 38 | 11 54 | 0 20 | 18 0 | 1 13 | 15 18 | 15 32 | 23 22 | 23 16 | 20 17 | | | n.a. |
| S 19 | 23 14 | 5 s37 | 4 15 | 25 0 | 1 19 | 15 23 | 7 32 | 10 3 | 3 18 | 11 53 | 1 20 | 0 51 | 2 38 | 11 55 | 0 20 | 18 1 | 1 13 | 15 18 | 15 32 | 23 22 | 23 16 | 20 15 | | | n.a. |
| S 20 | 23 7 | 11 2 | 3 25 | 25 10 | 1 24 | 15 20 | 7 39 | 9 59 | 3 20 | 11 49 | 1 20 | 0 51 | 2 38 | 11 55 | 0 20 | 18 1 | 1 13 | 15 19 | 15 33 | 23 22 | 23 16 | 20 13 | | | n.a. |
| M21 | 23 1 | 15 50 | 2 27 | 25 19 | 1 29 | 15 18 | 7 46 | 9 56 | 3 21 | 11 44 | 1 20 | 0 51 | 2 39 | 11 56 | 0 21 | 18 1 | 1 13 | 15 19 | 15 33 | 23 23 | 23 15 | 20 12 | | | n.a. |
| T 22 | 22 53 | 19 51 | 1 22 | 25 27 | 1 34 | 15 17 | 7 51 | 9 53 | 3 22 | 11 40 | 1 20 | 0 51 | 2 39 | 11 56 | 0 21 | 18 2 | 1 13 | 15 20 | 15 33 | 23 23 | 23 15 | 20 10 | | | n.a. |
| W23 | 22 46 | 22 52 | 0 15 | 25 33 | 1 39 | 15 16 | 7 56 | 9 50 | 3 24 | 11 35 | 1 20 | 0 51 | 2 39 | 11 57 | 0 21 | 18 2 | 1 13 | 15 20 | 15 34 | 23 23 | 23 15 | 20 8 | | | n.a. |
| T 24 | 22 38 | 24 47 | 0 s53 | 25 38 | 1 43 | 15 16 | 8 0 | 9 48 | 3 25 | 11 30 | 1 19 | 0 51 | 2 39 | 11 58 | 0 21 | 18 2 | 1 13 | 15 21 | 15 34 | 23 23 | 23 14 | 20 6 | | | n.a. |
| F 25 | 22 29 | 25 29 | 1 56 | 25 41 | 1 47 | 15 16 | 8 3 | 9 45 | 3 26 | 11 26 | 1 19 | 0 51 | 2 40 | 11 58 | 0 21 | 18 3 | 1 13 | 15 21 | 15 35 | 23 23 | 23 14 | 20 5 | | | n.a. |
| S 26 | 22 20 | 24 57 | 2 54 | 25 43 | 1 50 | 15 18 | 8 5 | 9 43 | 3 27 | 11 21 | 1 19 | 0 51 | 2 40 | 11 58 | 0 21 | 18 3 | 1 13 | 15 22 | 15 35 | 23 22 | 23 14 | 20 3 | | | n.a. |
| S 27 | 22 11 | 23 17 | 3 44 | 25 43 | 1 53 | 15 20 | 8 6 | 9 42 | 3 29 | 11 16 | 1 19 | 0 51 | 2 40 | 11 59 | 0 21 | 18 4 | 1 13 | 15 22 | 15 36 | 23 22 | 23 13 | 20 1 | | | n.a. |
| M28 | 22 1 | 20 37 | 4 23 | 25 41 | 1 56 | 15 22 | 8 6 | 9 40 | 3 30 | 11 12 | 1 19 | 0 52 | 2 40 | 11 59 | 0 21 | 18 4 | 1 13 | 15 23 | 15 36 | 23 21 | 23 13 | 20 0 | | | n.a. |
| T 29 | 21 51 | 17 5 | 4 52 | 25 38 | 1 58 | 15 25 | 8 5 | 9 39 | 3 31 | 11 7 | 1 19 | 0 52 | 2 41 | 12 0 | 0 21 | 18 4 | 1 13 | 15 23 | 15 37 | 23 21 | 23 13 | 19 58 | | | n.a. |
| W30 | 21 40 | 12 54 | 5 7 | 25 32 | 2 0 | 15 29 | 8 4 | 9 37 | 3 32 | 11 2 | 1 18 | 0 52 | 2 41 | 12 0 | 0 21 | 18 5 | 1 13 | 15 24 | 15 37 | 23 20 | 23 12 | 19 56 | | | n.a. |
| T 31 | 21 s30 | 8 s13 | 5 s10 | 25 s25 | 2 s 2 | 15 s33 | 8n 1 | 9n37 | 3n33 | 10 s57 | 1 s18 | 0n53 | 2n41 | 12 s 1 | 0n21 | 18 s 5 | 1n13 | 15n25 | 15n37 | 23n19 | 23n12 | 19 s54 | | | n.a. |

Julian Day Number = 1004437.5, Delta T = 12h47m21s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'17, Lahiri = -31°01'17 Julian Calendar 1 Jan. 1963 BCE == Greg. Calendar 15 Dec. 1964 BCE

The year -1962 astronomical counting style corresponds to year 1963 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## FEBRUARY 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 37 14 | 26♉21'19 | 3♈24 | 13♉25 | 9°R21 | 14♍16 | 5♓32 | 3°R53 | 1♏48 | 24♏29 | 27°R 7 | 17°R27 | 16♊15 | 18♒36 | n.a. | F 1 |
| S 2 | 7 41 11 | 27°20'49 | 15°35 | 15°10 | 8♉59 | 14°20 | 5°45 | 3♎53 | 1°49 | 24°30 | 27♍ 7 | 17♊25 | 16°11 | 18°43 | n.a. | S 2 |
| S 3 | 7 45 7 | 28°20'16 | 28° 2 | 16°57 | 8°38 | 14°23 | 5°58 | 3°52 | 1°50 | 24°31 | 27° 6 | 17°D24 | 16° 8 | 18°50 | n.a. | S 3 |
| M 4 | 7 49 4 | 29°19'41 | 10♊47 | 18°46 | 8°21 | 14°25 | 6°10 | 3°52 | 1°51 | 24°33 | 27° 6 | 17°25 | 16° 5 | 18°56 | n.a. | M 4 |
| T 5 | 7 53 0 | 0♒19'03 | 23°56 | 20°35 | 8° 5 | 14°26 | 6°23 | 3°51 | 1°52 | 24°34 | 27° 5 | 17°26 | 16° 2 | 19° 3 | n.a. | T 5 |
| W 6 | 7 56 57 | 1°18'23 | 7♊31 | 22°26 | 7°52 | 14°27 | 6°36 | 3°50 | 1°53 | 24°35 | 27° 4 | 17°27 | 15°59 | 19°10 | n.a. | W 6 |
| T 7 | 8 0 53 | 2°17'40 | 21°35 | 24°18 | 7°41 | 14°R27 | 6°49 | 3°49 | 1°53 | 24°36 | 27° 3 | 17°R28 | 15°56 | 19°17 | n.a. | T 7 |
| F 8 | 8 4 50 | 3°16'55 | 6♋ 6 | 26°11 | 7°33 | 14°27 | 7° 2 | 3°48 | 1°54 | 24°37 | 27° 3 | 17°26 | 15°52 | 19°23 | n.a. | F 8 |
| S 9 | 8 8 47 | 4°16'08 | 21° 0 | 28° 6 | 7°27 | 14°25 | 7°15 | 3°47 | 1°55 | 24°38 | 27° 2 | 17°23 | 15°49 | 19°30 | n.a. | S 9 |
| S 10 | 8 12 43 | 5°15'19 | 6♌11 | 0♒ 2 | 7°24 | 14°23 | 7°28 | 3°46 | 1°55 | 24°39 | 27° 1 | 17°17 | 15°46 | 19°37 | n.a. | S 10 |
| M11 | 8 16 40 | 6°14'27 | 21°28 | 1°59 | 7°D23 | 14°20 | 7°41 | 3°45 | 1°56 | 24°40 | 27° 0 | 17°10 | 15°43 | 19°43 | n.a. | M11 |
| T 12 | 8 20 36 | 7°13'33 | 6♍40 | 3°57 | 7°25 | 14°16 | 7°54 | 3°43 | 1°56 | 24°41 | 26°59 | 17° 3 | 15°40 | 19°50 | n.a. | T 12 |
| W13 | 8 24 33 | 8°12'37 | 21°38 | 5°57 | 7°29 | 14°12 | 8° 7 | 3°42 | 1°57 | 24°42 | 26°58 | 16°55 | 15°37 | 19°57 | n.a. | W13 |
| T 14 | 8 28 29 | 9°11'38 | 6♎13 | 7°57 | 7°35 | 14° 7 | 8°21 | 3°40 | 1°57 | 24°43 | 26°57 | 16°49 | 15°33 | 20° 4 | n.a. | T 14 |
| F 15 | 8 32 26 | 10°10'38 | 20°21 | 9°59 | 7°44 | 14° 1 | 8°34 | 3°39 | 1°58 | 24°44 | 26°56 | 16°46 | 15°30 | 20°10 | n.a. | F 15 |
| S 16 | 8 36 22 | 11° 9'36 | 4♏ 1 | 12° 1 | 7°54 | 13°54 | 8°47 | 3°37 | 1°58 | 24°45 | 26°55 | 16°44 | 15°27 | 20°17 | n.a. | S 16 |
| S 17 | 8 40 19 | 12° 8'33 | 17°15 | 14° 4 | 8° 7 | 13°46 | 9° 1 | 3°35 | 1°58 | 24°46 | 26°54 | 16°D44 | 15°24 | 20°24 | n.a. | S 17 |
| M18 | 8 44 15 | 13° 7'27 | 0♐ 5 | 16° 8 | 8°22 | 13°38 | 9°14 | 3°33 | 1°58 | 24°47 | 26°53 | 16°44 | 15°21 | 20°30 | n.a. | M18 |
| T 19 | 8 48 12 | 14° 6'19 | 12°37 | 18°12 | 8°39 | 13°29 | 9°28 | 3°31 | 1°58 | 24°48 | 26°52 | 16°R45 | 15°17 | 20°37 | n.a. | T 19 |
| W20 | 8 52 9 | 15° 5'10 | 24°53 | 20°17 | 8°58 | 13°19 | 9°41 | 3°29 | 1°59 | 24°48 | 26°51 | 16°45 | 15°14 | 20°44 | n.a. | W20 |
| T 21 | 8 56 5 | 16° 3'59 | 6♑59 | 22°21 | 9°18 | 13° 9 | 9°55 | 3°27 | 1°R59 | 24°49 | 26°50 | 16°43 | 15°11 | 20°51 | n.a. | T 21 |
| F 22 | 9 0 2 | 17° 2'45 | 18°57 | 24°25 | 9°41 | 12°57 | 10° 8 | 3°24 | 1°59 | 24°50 | 26°49 | 16°38 | 15° 8 | 20°57 | n.a. | F 22 |
| S 23 | 9 3 58 | 18° 1'30 | 0♒51 | 26°29 | 10° 5 | 12°45 | 10°22 | 3°22 | 1°59 | 24°50 | 26°48 | 16°31 | 15° 5 | 21° 4 | n.a. | S 23 |
| S 24 | 9 7 55 | 19° 0'12 | 12°43 | 28°31 | 10°31 | 12°32 | 10°36 | 3°19 | 1°58 | 24°51 | 26°47 | 16°21 | 15° 2 | 21°11 | n.a. | S 24 |
| M25 | 9 11 51 | 19°58'53 | 24°34 | 0♓32 | 10°58 | 12°19 | 10°49 | 3°17 | 1°58 | 24°52 | 26°45 | 16° 9 | 14°58 | 21°17 | n.a. | M25 |
| T 26 | 9 15 48 | 20°57'31 | 6♓26 | 2°32 | 11°27 | 12° 4 | 11° 3 | 3°14 | 1°58 | 24°52 | 26°44 | 15°57 | 14°55 | 21°24 | n.a. | T 26 |
| W27 | 9 19 44 | 21°56'07 | 18°20 | 4°30 | 11°58 | 11°50 | 11°17 | 3°12 | 1°58 | 24°53 | 26°43 | 15°45 | 14°52 | 21°31 | n.a. | W27 |
| T 28 | 9 23 41 | 22♒54'40 | 0♈19 | 6♓25 | 12♉30 | 11♍34 | 11♓31 | 3♎ 9 | 1♏57 | 24♏53 | 26♍41 | 15♊34 | 14♊49 | 21♒37 | n.a. | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 21s18 | 3s10 | 4s58 | 25s16 | 2s 3 | 15s38 | 7n58 | 9n36 | 3n35 | 10s52 | 1s18 | 0n53 | 2n41 | 12s 1 | 0n21 | 18s 5 | 1n13 | 15n25 | 15n38 | 23n19 | 23n12 | 19s52 | | n.a. |
| S 2 | 21 7 | 2n 3 | 4 34 | 25 5 | 2 3 | 15 43 | 7 55 | 9 36 | 3 36 | 10 47 | 1 18 | 0 53 | 2 41 | 12 1 | 0 21 | 18 5 | 1 13 | 15 26 | 15 38 | 23 19 | 23 11 | 19 51 | | n.a. |
| S 3 | 20 55 | 7 19 | 3 56 | 24 52 | 2 3 | 15 49 | 7 50 | 9 35 | 3 37 | 10 43 | 1 18 | 0 54 | 2 42 | 12 2 | 0 21 | 18 6 | 1 13 | 15 26 | 15 39 | 23 19 | 23 11 | 19 49 | | n.a. |
| M 4 | 20 42 | 12 26 | 3 6 | 24 36 | 2 3 | 15 55 | 7 45 | 9 36 | 3 38 | 10 38 | 1 18 | 0 54 | 2 42 | 12 2 | 0 21 | 18 6 | 1 14 | 15 27 | 15 39 | 23 19 | 23 11 | 19 47 | | n.a. |
| T 5 | 20 29 | 17 8 | 2 4 | 24 19 | 2 2 | 16 1 | 7 40 | 9 36 | 3 39 | 10 33 | 1 17 | 0 55 | 2 42 | 12 2 | 0 21 | 18 6 | 1 14 | 15 28 | 15 40 | 23 19 | 23 10 | 19 45 | | n.a. |
| W 6 | 20 16 | 21 7 | 0 54 | 24 0 | 2 1 | 16 8 | 7 34 | 9 37 | 3 40 | 10 28 | 1 17 | 0 55 | 2 42 | 12 3 | 0 21 | 18 7 | 1 14 | 15 28 | 15 40 | 23 19 | 23 10 | 19 44 | | n.a. |
| T 7 | 20 3 | 24 1 | 0n22 | 23 38 | 1 59 | 16 15 | 7 27 | 9 38 | 3 41 | 10 23 | 1 17 | 0 56 | 2 43 | 12 3 | 0 21 | 18 7 | 1 14 | 15 29 | 15 40 | 23 19 | 23 10 | 19 42 | | n.a. |
| F 8 | 19 49 | 25 26 | 1 39 | 23 14 | 1 56 | 16 22 | 7 20 | 9 39 | 3 42 | 10 18 | 1 17 | 0 56 | 2 43 | 12 3 | 0 21 | 18 7 | 1 14 | 15 30 | 15 41 | 23 19 | 23 9 | 19 40 | | n.a. |
| S 9 | 19 35 | 25 3 | 2 51 | 22 49 | 1 53 | 16 30 | 7 13 | 9 40 | 3 43 | 10 12 | 1 17 | 0 57 | 2 43 | 12 3 | 0 21 | 18 7 | 1 14 | 15 30 | 15 41 | 23 18 | 23 9 | 19 38 | | n.a. |
| S 10 | 19 20 | 22 50 | 3 52 | 22 20 | 1 50 | 16 38 | 7 5 | 9 42 | 3 44 | 10 7 | 1 17 | 0 58 | 2 43 | 12 3 | 0 21 | 18 7 | 1 14 | 15 31 | 15 41 | 23 18 | 23 9 | 19 36 | | n.a. |
| M11 | 19 5 | 18 59 | 4 37 | 21 50 | 1 46 | 16 46 | 6 57 | 9 44 | 3 45 | 10 2 | 1 17 | 0 59 | 2 44 | 12 4 | 0 21 | 18 8 | 1 14 | 15 32 | 15 42 | 23 17 | 23 8 | 19 34 | | n.a. |
| T 12 | 18 50 | 13 54 | 5 2 | 21 17 | 1 41 | 16 54 | 6 49 | 9 46 | 3 46 | 9 57 | 1 16 | 0 59 | 2 44 | 12 4 | 0 21 | 18 8 | 1 14 | 15 32 | 15 42 | 23 17 | 23 8 | 19 33 | | n.a. |
| W13 | 18 35 | 8 3 | 5 6 | 20 43 | 1 36 | 17 2 | 6 41 | 9 48 | 3 46 | 9 52 | 1 16 | 1 0 | 2 44 | 12 4 | 0 21 | 18 8 | 1 14 | 15 33 | 15 43 | 23 16 | 23 8 | 19 31 | | n.a. |
| T 14 | 18 19 | 1 54 | 4 50 | 20 6 | 1 30 | 17 11 | 6 32 | 9 51 | 3 47 | 9 47 | 1 16 | 1 1 | 2 44 | 12 4 | 0 21 | 18 8 | 1 14 | 15 34 | 15 43 | 23 15 | 23 7 | 19 29 | | n.a. |
| F 15 | 18 3 | 4s10 | 4 16 | 19 26 | 1 24 | 17 19 | 6 23 | 9 54 | 3 48 | 9 42 | 1 16 | 1 2 | 2 45 | 12 4 | 0 21 | 18 9 | 1 14 | 15 35 | 15 43 | 23 15 | 23 7 | 19 27 | | n.a. |
| S 16 | 17 46 | 9 51 | 3 29 | 18 45 | 1 17 | 17 27 | 6 14 | 9 57 | 3 49 | 9 36 | 1 16 | 1 3 | 2 45 | 12 4 | 0 21 | 18 9 | 1 14 | 15 35 | 15 44 | 23 15 | 23 7 | 19 25 | | n.a. |
| S 17 | 17 30 | 14 54 | 2 31 | 18 2 | 1 9 | 17 36 | 6 5 | 10 1 | 3 49 | 9 31 | 1 16 | 1 4 | 2 45 | 12 4 | 0 21 | 18 9 | 1 14 | 15 36 | 15 44 | 23 15 | 23 6 | 19 23 | | n.a. |
| M18 | 17 13 | 19 9 | 1 28 | 17 17 | 1 1 | 17 44 | 5 56 | 10 5 | 3 50 | 9 26 | 1 16 | 1 5 | 2 45 | 12 4 | 0 21 | 18 9 | 1 14 | 15 37 | 15 44 | 23 15 | 23 6 | 19 21 | | n.a. |
| T 19 | 16 56 | 22 24 | 0 22 | 16 30 | 0 52 | 17 52 | 5 46 | 10 9 | 3 50 | 9 20 | 1 16 | 1 6 | 2 45 | 12 5 | 0 21 | 18 9 | 1 14 | 15 37 | 15 45 | 23 15 | 23 5 | 19 20 | | n.a. |
| W20 | 16 38 | 24 33 | 0s43 | 15 42 | 0 43 | 18 0 | 5 37 | 10 13 | 3 51 | 9 15 | 1 15 | 1 7 | 2 46 | 12 5 | 0 21 | 18 9 | 1 14 | 15 38 | 15 45 | 23 15 | 23 5 | 19 18 | | n.a. |
| T 21 | 16 20 | 25 30 | 1 46 | 14 51 | 0 33 | 18 8 | 5 28 | 10 18 | 3 51 | 9 10 | 1 15 | 1 8 | 2 46 | 12 5 | 0 21 | 18 10 | 1 14 | 15 39 | 15 45 | 23 15 | 23 5 | 19 16 | | n.a. |
| F 22 | 16 2 | 25 14 | 2 43 | 14 0 | 0 23 | 18 16 | 5 18 | 10 22 | 3 51 | 9 4 | 1 15 | 1 9 | 2 46 | 12 5 | 0 21 | 18 10 | 1 14 | 15 40 | 15 46 | 23 14 | 23 4 | 19 14 | | n.a. |
| S 23 | 15 44 | 23 49 | 3 33 | 13 8 | 0 12 | 18 24 | 5 9 | 10 27 | 3 51 | 8 59 | 1 15 | 1 10 | 2 46 | 12 4 | 0 21 | 18 10 | 1 14 | 15 40 | 15 46 | 23 13 | 23 4 | 19 12 | | n.a. |
| S 24 | 15 26 | 21 21 | 4 12 | 12 15 | 0 1 | 18 31 | 4 59 | 10 32 | 3 51 | 8 54 | 1 15 | 1 11 | 2 46 | 12 4 | 0 21 | 18 10 | 1 14 | 15 41 | 15 46 | 23 12 | 23 4 | 19 10 | | n.a. |
| M25 | 15 7 | 18 0 | 4 41 | 11 21 | 0n10 | 18 38 | 4 50 | 10 38 | 3 51 | 8 48 | 1 15 | 1 13 | 2 47 | 12 4 | 0 21 | 18 10 | 1 14 | 15 42 | 15 46 | 23 11 | 23 3 | 19 8 | | n.a. |
| T 26 | 14 48 | 13 56 | 4 58 | 10 27 | 0 22 | 18 45 | 4 41 | 10 43 | 3 51 | 8 43 | 1 15 | 1 14 | 2 47 | 12 4 | 0 21 | 18 10 | 1 14 | 15 43 | 15 47 | 23 10 | 23 3 | 19 6 | | n.a. |
| W27 | 14 29 | 9 19 | 5 2 | 9 32 | 0 33 | 18 52 | 4 31 | 10 49 | 3 51 | 8 37 | 1 15 | 1 15 | 2 47 | 12 4 | 0 21 | 18 10 | 1 14 | 15 43 | 15 47 | 23 8 | 23 3 | 19 4 | | n.a. |
| T 28 | 14s 9 | 4s19 | 4s52 | 8s38 | 0n45 | 18s58 | 4n22 | 10n55 | 3n51 | 8s32 | 1s15 | 1n16 | 2n47 | 12s 4 | 0n21 | 18s10 | 1n14 | 15n44 | 15n47 | 23n 7 | 23n 2 | 19s 3 | | n.a. |

Julian Day Number = 1004468.5, Delta T = 12h47m18s
Ecliptic obliquity = 23°55'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'13, Lahiri = -31°01'13 Julian Calendar 1 Feb. 1963 BCE == Greg. Calendar 15 Jan. 1963 BCE

The year -1962 astronomical counting style corresponds to year 1963 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## MARCH 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 27 37 | 23♒53'12 | 12♈24 | 8♓18 | 13♉ 3 | 11°R18 | 11♓45 | 3°R 6 | 1°R57 | 24♏54 | 26°R40 | 15°R25 | 14♊46 | 21♒44 | n.a. | F 1 |
| S 2 | 9 31 34 | 24°51'41 | 24°38 | 10° 7 | 13°38 | 11♍ 1 | 11°58 | 3♎ 3 | 1♏57 | 24°54 | 26♍39 | 15♊18 | 14°42 | 21°51 | n.a. | S 2 |
| S 3 | 9 35 31 | 25°50'08 | 7♉ 5 | 11°54 | 14°14 | 10°44 | 12°12 | 3° 0 | 1°56 | 24°54 | 26°37 | 15°14 | 14°39 | 21°58 | n.a. | S 3 |
| M 4 | 9 39 27 | 26°48'33 | 19°48 | 13°37 | 14°51 | 10°26 | 12°26 | 2°57 | 1°56 | 24°55 | 26°36 | 15°13 | 14°36 | 22° 4 | n.a. | M 4 |
| T 5 | 9 43 24 | 27°46'55 | 2♊50 | 15°16 | 15°29 | 10° 7 | 12°40 | 2°54 | 1°55 | 24°55 | 26°35 | 15°D13 | 14°33 | 22°11 | n.a. | T 5 |
| W 6 | 9 47 20 | 28°45'15 | 16°17 | 16°51 | 16° 8 | 9°48 | 12°54 | 2°51 | 1°54 | 24°55 | 26°33 | 15°R13 | 14°30 | 22°18 | n.a. | W 6 |
| T 7 | 9 51 17 | 29°43'33 | 0♋11 | 18°22 | 16°49 | 9°29 | 13° 8 | 2°47 | 1°54 | 24°55 | 26°32 | 15°12 | 14°27 | 22°24 | n.a. | T 7 |
| F 8 | 9 55 13 | 0♓41'49 | 14°32 | 19°48 | 17°30 | 9° 9 | 13°22 | 2°44 | 1°53 | 24°56 | 26°30 | 15°10 | 14°23 | 22°31 | n.a. | F 8 |
| S 9 | 9 59 10 | 1°40'03 | 29°18 | 21°10 | 18°13 | 8°49 | 13°36 | 2°41 | 1°52 | 24°56 | 26°29 | 15° 4 | 14°20 | 22°38 | n.a. | S 9 |
| S 10 | 10 3 6 | 2°38'14 | 14♌25 | 22°27 | 18°56 | 8°28 | 13°50 | 2°37 | 1°51 | 24°56 | 26°27 | 14°57 | 14°17 | 22°45 | n.a. | S 10 |
| M11 | 10 7 3 | 3°36'23 | 29°43 | 23°39 | 19°41 | 8° 8 | 14° 4 | 2°34 | 1°51 | 24°56 | 26°26 | 14°47 | 14°14 | 22°51 | n.a. | M11 |
| T 12 | 10 10 59 | 4°34'31 | 15♍ 1 | 24°47 | 20°26 | 7°47 | 14°18 | 2°30 | 1°50 | 24°56 | 26°24 | 14°36 | 14°11 | 22°58 | n.a. | T 12 |
| W13 | 10 14 56 | 5°32'36 | 0♎ 8 | 25°49 | 21°12 | 7°25 | 14°32 | 2°26 | 1°49 | 24°56 | 26°23 | 14°26 | 14° 8 | 23° 5 | n.a. | W13 |
| T 14 | 10 18 53 | 6°30'40 | 14°54 | 26°46 | 21°59 | 7° 4 | 14°47 | 2°23 | 1°48 | 24°R56 | 26°21 | 14°17 | 14° 4 | 23°11 | n.a. | T 14 |
| F 15 | 10 22 49 | 7°28'42 | 29°13 | 27°38 | 22°47 | 6°42 | 15° 1 | 2°19 | 1°47 | 24°56 | 26°20 | 14°10 | 14° 1 | 23°18 | n.a. | F 15 |
| S 16 | 10 26 46 | 8°26'42 | 13♏ 2 | 28°25 | 23°35 | 6°20 | 15°15 | 2°15 | 1°46 | 24°56 | 26°18 | 14° 6 | 13°58 | 23°25 | n.a. | S 16 |
| S 17 | 10 30 42 | 9°24'41 | 26°21 | 29° 7 | 24°24 | 5°59 | 15°29 | 2°11 | 1°44 | 24°56 | 26°17 | 14° 5 | 13°55 | 23°32 | n.a. | S 17 |
| M18 | 10 34 39 | 10°22'39 | 9♐14 | 29°43 | 25°14 | 5°37 | 15°43 | 2° 7 | 1°43 | 24°56 | 26°15 | 14° 4 | 13°52 | 23°38 | n.a. | M18 |
| T 19 | 10 38 35 | 11°20'35 | 21°45 | 0♈14 | 26° 5 | 5°15 | 15°57 | 2° 3 | 1°42 | 24°56 | 26°14 | 14° 4 | 13°48 | 23°45 | n.a. | T 19 |
| W20 | 10 42 32 | 12°18'30 | 3♉59 | 0°40 | 26°56 | 4°54 | 16°11 | 1°59 | 1°41 | 24°56 | 26°12 | 14° 3 | 13°45 | 23°52 | n.a. | W20 |
| T 21 | 10 46 28 | 13°16'23 | 16° 1 | 1° 0 | 27°48 | 4°32 | 16°25 | 1°55 | 1°40 | 24°56 | 26°10 | 14° 0 | 13°42 | 23°58 | n.a. | T 21 |
| F 22 | 10 50 25 | 14°14'15 | 27°55 | 1°14 | 28°41 | 4°11 | 16°40 | 1°51 | 1°38 | 24°55 | 26° 9 | 13°55 | 13°39 | 24° 5 | n.a. | F 22 |
| S 23 | 10 54 22 | 15°12'05 | 9♒45 | 1°24 | 29°34 | 3°49 | 16°54 | 1°47 | 1°37 | 24°55 | 26° 7 | 13°47 | 13°36 | 24°12 | n.a. | S 23 |
| S 24 | 10 58 18 | 16° 9'53 | 21°35 | 1°R28 | 0♒28 | 3°29 | 17° 8 | 1°43 | 1°35 | 24°55 | 26° 5 | 13°36 | 13°33 | 24°19 | n.a. | S 24 |
| M25 | 11 2 15 | 17° 7'40 | 3♓27 | 1°27 | 1°22 | 3° 8 | 17°22 | 1°39 | 1°34 | 24°54 | 26° 4 | 13°23 | 13°29 | 24°25 | n.a. | M25 |
| T 26 | 11 6 11 | 18° 5'26 | 15°23 | 1°22 | 2°16 | 2°48 | 17°36 | 1°35 | 1°32 | 24°54 | 26° 2 | 13° 9 | 13°26 | 24°32 | n.a. | T 26 |
| W27 | 11 10 8 | 19° 3'10 | 27°24 | 1°11 | 3°12 | 2°28 | 17°50 | 1°30 | 1°31 | 24°54 | 26° 0 | 12°55 | 13°23 | 24°39 | n.a. | W27 |
| T 28 | 11 14 4 | 20° 0'52 | 9♈31 | 0°56 | 4° 7 | 2° 9 | 18° 4 | 1°26 | 1°29 | 24°53 | 25°59 | 12°42 | 13°20 | 24°46 | n.a. | T 28 |
| F 29 | 11 18 1 | 20°58'33 | 21°45 | 0°37 | 5° 3 | 1°50 | 18°19 | 1°22 | 1°28 | 24°53 | 25°57 | 12°32 | 13°17 | 24°52 | n.a. | F 29 |
| S 30 | 11 21 57 | 21°56'12 | 4♉ 9 | 0°14 | 6° 0 | 1°31 | 18°33 | 1°17 | 1°26 | 24°52 | 25°55 | 12°24 | 13°13 | 24°59 | n.a. | S 30 |
| S 31 | 11 25 54 | 22♓53'50 | 16♉43 | 29♓48 | 6♒57 | 1♍14 | 18♓47 | 1♎13 | 1♏24 | 24♏52 | 25♍54 | 12♊20 | 13♊10 | 25♒ 6 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 13s50 | 0n52 | 4s30 | 7s45 | 0n57 | 19s 4 | 4n13 | 11n 1 | 3n51 | 8s27 | 1s15 | 1n18 | 2n47 | 12s 4 | 0n21 | 18s10 | 1n14 | 15n45 | 15n48 | 23n 6 | 23n 2 | 19s 1 | | n.a. |
| S 2 | 13 30 | 6 6 | 3 55 | 6 52 | 1 9 | 19 10 | 4 4 | 11 7 | 3 50 | 8 21 | 1 14 | 1 19 | 2 47 | 12 4 | 0 21 | 18 10 | 1 14 | 15 46 | 15 48 | 23 6 | 23 1 | 18 59 | | n.a. |
| S 3 | 13 10 | 11 12 | 3 8 | 6 0 | 1 20 | 19 16 | 3 54 | 11 13 | 3 50 | 8 16 | 1 14 | 1 20 | 2 48 | 12 4 | 0 21 | 18 11 | 1 14 | 15 47 | 15 48 | 23 5 | 23 1 | 18 57 | | n.a. |
| M 4 | 12 49 | 15 57 | 2 11 | 5 10 | 1 31 | 19 21 | 3 45 | 11 20 | 3 49 | 8 10 | 1 14 | 1 22 | 2 48 | 12 3 | 0 21 | 18 11 | 1 14 | 15 47 | 15 48 | 23 5 | 23 1 | 18 55 | | n.a. |
| T 5 | 12 29 | 20 5 | 1 5 | 4 21 | 1 42 | 19 25 | 3 36 | 11 26 | 3 49 | 8 4 | 1 14 | 1 23 | 2 48 | 12 3 | 0 21 | 18 11 | 1 14 | 15 48 | 15 48 | 23 5 | 23 0 | 18 53 | | n.a. |
| W 6 | 12 8 | 23 18 | 0n 6 | 3 34 | 1 53 | 19 29 | 3 28 | 11 33 | 3 48 | 7 59 | 1 14 | 1 25 | 2 48 | 12 3 | 0 21 | 18 11 | 1 14 | 15 49 | 15 49 | 23 5 | 23 0 | 18 51 | | n.a. |
| T 7 | 11 48 | 25 14 | 1 18 | 2 49 | 2 3 | 19 33 | 3 19 | 11 40 | 3 47 | 7 53 | 1 14 | 1 26 | 2 48 | 12 3 | 0 21 | 18 11 | 1 14 | 15 50 | 15 49 | 23 5 | 23 0 | 18 49 | | n.a. |
| F 8 | 11 27 | 25 34 | 2 29 | 2 5 | 2 13 | 19 36 | 3 10 | 11 46 | 3 46 | 7 48 | 1 14 | 1 28 | 2 48 | 12 2 | 0 21 | 18 11 | 1 14 | 15 50 | 15 49 | 23 5 | 22 59 | 18 47 | | n.a. |
| S 9 | 11 6 | 24 8 | 3 31 | 1 25 | 2 22 | 19 39 | 3 2 | 11 53 | 3 45 | 7 42 | 1 14 | 1 29 | 2 49 | 12 2 | 0 21 | 18 11 | 1 14 | 15 51 | 15 49 | 23 4 | 22 59 | 18 45 | | n.a. |
| S 10 | 10 44 | 20 58 | 4 20 | 0 46 | 2 30 | 19 42 | 2 53 | 12 0 | 3 44 | 7 37 | 1 14 | 1 31 | 2 49 | 12 2 | 0 21 | 18 11 | 1 15 | 15 52 | 15 49 | 23 3 | 22 58 | 18 43 | | n.a. |
| M11 | 10 23 | 16 19 | 4 50 | 0 10 | 2 38 | 19 44 | 2 45 | 12 7 | 3 42 | 7 31 | 1 14 | 1 32 | 2 49 | 12 2 | 0 21 | 18 11 | 1 15 | 15 53 | 15 50 | 23 2 | 22 58 | 18 41 | | n.a. |
| T 12 | 10 2 | 10 37 | 5 1 | 0n24 | 2 44 | 19 45 | 2 36 | 12 14 | 3 41 | 7 26 | 1 14 | 1 34 | 2 49 | 12 1 | 0 21 | 18 11 | 1 15 | 15 53 | 15 50 | 23 1 | 22 58 | 18 39 | | n.a. |
| W13 | 9 40 | 4 21 | 4 50 | 0 54 | 2 51 | 19 46 | 2 28 | 12 20 | 3 40 | 7 20 | 1 14 | 1 35 | 2 49 | 12 1 | 0 21 | 18 11 | 1 15 | 15 54 | 15 50 | 22 59 | 22 57 | 18 37 | | n.a. |
| T 14 | 9 18 | 2s 1 | 4 19 | 1 22 | 2 56 | 19 47 | 2 20 | 12 27 | 3 38 | 7 14 | 1 13 | 1 37 | 2 49 | 12 1 | 0 21 | 18 11 | 1 15 | 15 55 | 15 50 | 22 58 | 22 57 | 18 35 | | n.a. |
| F 15 | 8 56 | 8 6 | 3 33 | 1 47 | 3 0 | 19 47 | 2 12 | 12 34 | 3 36 | 7 9 | 1 13 | 1 39 | 2 49 | 12 0 | 0 21 | 18 11 | 1 15 | 15 56 | 15 50 | 22 58 | 22 57 | 18 33 | | n.a. |
| S 16 | 8 34 | 13 35 | 2 36 | 2 9 | 3 3 | 19 47 | 2 4 | 12 40 | 3 34 | 7 3 | 1 13 | 1 40 | 2 49 | 12 0 | 0 21 | 18 11 | 1 15 | 15 56 | 15 50 | 22 57 | 22 56 | 18 31 | | n.a. |
| S 17 | 8 12 | 18 14 | 1 32 | 2 28 | 3 6 | 19 46 | 1 56 | 12 47 | 3 32 | 6 57 | 1 13 | 1 42 | 2 50 | 11 59 | 0 21 | 18 11 | 1 15 | 15 57 | 15 50 | 22 57 | 22 56 | 18 29 | | n.a. |
| M18 | 7 50 | 21 52 | 0 26 | 2 44 | 3 7 | 19 44 | 1 49 | 12 53 | 3 30 | 6 52 | 1 13 | 1 44 | 2 50 | 11 59 | 0 21 | 18 11 | 1 15 | 15 58 | 15 51 | 22 57 | 22 55 | 18 27 | | n.a. |
| T 19 | 7 27 | 24 20 | 0s41 | 2 57 | 3 7 | 19 42 | 1 41 | 12 59 | 3 28 | 6 46 | 1 13 | 1 45 | 2 50 | 11 59 | 0 21 | 18 10 | 1 15 | 15 59 | 15 51 | 22 57 | 22 55 | 18 25 | | n.a. |
| W20 | 7 5 | 25 35 | 1 43 | 3 6 | 3 6 | 19 40 | 1 34 | 13 6 | 3 26 | 6 40 | 1 13 | 1 47 | 2 50 | 11 58 | 0 21 | 18 10 | 1 15 | 15 59 | 15 51 | 22 57 | 22 55 | 18 23 | | n.a. |
| T 21 | 6 42 | 25 35 | 2 40 | 3 12 | 3 4 | 19 36 | 1 26 | 13 12 | 3 24 | 6 35 | 1 13 | 1 49 | 2 50 | 11 58 | 0 21 | 18 10 | 1 15 | 16 0 | 15 51 | 22 56 | 22 54 | 18 21 | | n.a. |
| F 22 | 6 19 | 24 25 | 3 29 | 3 15 | 3 1 | 19 33 | 1 19 | 13 17 | 3 21 | 6 29 | 1 13 | 1 50 | 2 50 | 11 57 | 0 21 | 18 10 | 1 15 | 16 1 | 15 51 | 22 56 | 22 54 | 18 19 | | n.a. |
| S 23 | 5 57 | 22 9 | 4 9 | 3 15 | 2 56 | 19 29 | 1 12 | 13 23 | 3 19 | 6 24 | 1 13 | 1 52 | 2 50 | 11 57 | 0 21 | 18 10 | 1 15 | 16 1 | 15 51 | 22 55 | 22 53 | 18 17 | | n.a. |
| S 24 | 5 34 | 18 58 | 4 38 | 3 12 | 2 51 | 19 24 | 1 5 | 13 28 | 3 16 | 6 18 | 1 13 | 1 54 | 2 50 | 11 56 | 0 21 | 18 10 | 1 15 | 16 2 | 15 51 | 22 53 | 22 53 | 18 15 | | n.a. |
| M25 | 5 11 | 15 0 | 4 55 | 3 5 | 2 44 | 19 18 | 0 59 | 13 34 | 3 14 | 6 12 | 1 13 | 1 56 | 2 50 | 11 56 | 0 21 | 18 10 | 1 15 | 16 3 | 15 51 | 22 52 | 22 53 | 18 13 | | n.a. |
| T 26 | 4 48 | 10 27 | 4 59 | 2 55 | 2 36 | 19 13 | 0 52 | 13 39 | 3 11 | 6 7 | 1 13 | 1 57 | 2 50 | 11 55 | 0 21 | 18 10 | 1 15 | 16 4 | 15 51 | 22 50 | 22 52 | 18 11 | | n.a. |
| W27 | 4 25 | 5 28 | 4 50 | 2 43 | 2 26 | 19 6 | 0 45 | 13 43 | 3 8 | 6 1 | 1 13 | 1 59 | 2 50 | 11 55 | 0 21 | 18 10 | 1 15 | 16 4 | 15 51 | 22 48 | 22 52 | 18 9 | | n.a. |
| T 28 | 4 2 | 0 15 | 4 28 | 2 27 | 2 16 | 18 59 | 0 39 | 13 48 | 3 5 | 5 55 | 1 13 | 2 1 | 2 50 | 11 54 | 0 21 | 18 10 | 1 15 | 16 5 | 15 51 | 22 47 | 22 51 | 18 7 | | n.a. |
| F 29 | 3 39 | 5n 3 | 3 53 | 2 9 | 2 4 | 18 52 | 0 32 | 13 52 | 3 3 | 5 50 | 1 13 | 2 3 | 2 50 | 11 53 | 0 21 | 18 9 | 1 15 | 16 6 | 15 51 | 22 45 | 22 51 | 18 5 | | n.a. |
| S 30 | 3 16 | 10 14 | 3 7 | 1 48 | 1 51 | 18 44 | 0 26 | 13 56 | 3 0 | 5 44 | 1 13 | 2 4 | 2 50 | 11 53 | 0 21 | 18 9 | 1 15 | 16 6 | 15 51 | 22 44 | 22 51 | 18 3 | | n.a. |
| S 31 | 2s52 | 15n 5 | 2s11 | 1n25 | 1n38 | 18s35 | 0n20 | 14n 0 | 2n57 | 5s38 | 1s13 | 2n 6 | 2n51 | 11s52 | 0n21 | 18s 9 | 1n15 | 16n 7 | 15n51 | 22n44 | 22n50 | 18s 0 | | n.a. |

Julian Day Number = 1004496.5, Delta T = 12h47m17s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'09, Lahiri = -31°01'09 Julian Calendar 1 March 1963 BCE == Greg. Calendar 12 Feb. 1963 BCE

The year -1962 astronomical counting style corresponds to year 1963 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## APRIL 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 29 50 | 23♓51'26 | 29♉31 | 29°R19 | 7♒54 | 0°R56 | 19♓ 1 | 1°R 9 | 1°R22 | 24°R51 | 25°R52 | 12°R18 | 13♊ 7 | 25♒12 | n.a. | M 1 |
| T 2 | 11 33 47 | 24°49'00 | 12♊35 | 28♓48 | 8°52 | 0♍40 | 19°15 | 1♎ 4 | 1♏21 | 24♏51 | 25♍50 | 12°D17 | 13° 4 | 25°19 | n.a. | T 2 |
| W 3 | 11 37 44 | 25°46'33 | 25°59 | 28°14 | 9°50 | 0°24 | 19°29 | 1° 0 | 1°19 | 24°50 | 25°49 | 12°R17 | 13° 1 | 25°26 | n.a. | W 3 |
| T 4 | 11 41 40 | 26°44'04 | 9♋45 | 27°40 | 10°49 | 0° 9 | 19°43 | 0°56 | 1°17 | 24°49 | 25°47 | 12♊17 | 12°58 | 25°33 | n.a. | T 4 |
| F 5 | 11 45 37 | 27°41'33 | 23°54 | 27° 5 | 11°48 | 29♌54 | 19°57 | 0°51 | 1°15 | 24°49 | 25°45 | 12°14 | 12°54 | 25°39 | n.a. | F 5 |
| S 6 | 11 49 33 | 28°39'01 | 8♌26 | 26°30 | 12°47 | 29°40 | 20°11 | 0°47 | 1°13 | 24°48 | 25°44 | 12°10 | 12°51 | 25°46 | n.a. | S 6 |
| S 7 | 11 53 30 | 29°36'27 | 23°16 | 25°56 | 13°47 | 29°27 | 20°25 | 0°42 | 1°11 | 24°47 | 25°42 | 12° 3 | 12°48 | 25°53 | n.a. | S 7 |
| M 8 | 11 57 26 | 0♈33'52 | 8♍20 | 25°22 | 14°47 | 29°15 | 20°40 | 0°38 | 1° 9 | 24°47 | 25°40 | 11°54 | 12°45 | 25°59 | n.a. | M 8 |
| T 9 | 12 1 23 | 1°31'15 | 23°26 | 24°51 | 15°47 | 29° 3 | 20°54 | 0°34 | 1° 7 | 24°46 | 25°39 | 11°44 | 12°42 | 26° 6 | n.a. | T 9 |
| W10 | 12 5 19 | 2°28'37 | 8♎26 | 24°22 | 16°48 | 28°52 | 21° 8 | 0°29 | 1° 5 | 24°45 | 25°37 | 11°34 | 12°39 | 26°13 | n.a. | W10 |
| T 11 | 12 9 16 | 3°25'58 | 23° 9 | 23°55 | 17°49 | 28°42 | 21°21 | 0°25 | 1° 3 | 24°44 | 25°35 | 11°26 | 12°35 | 26°20 | n.a. | T 11 |
| F 12 | 12 13 13 | 4°23'18 | 7♏29 | 23°32 | 18°50 | 28°33 | 21°35 | 0°20 | 1° 1 | 24°43 | 25°34 | 11°19 | 12°32 | 26°26 | n.a. | F 12 |
| S 13 | 12 17 9 | 5°20'37 | 21°21 | 23°12 | 19°51 | 28°24 | 21°49 | 0°16 | 0°59 | 24°42 | 25°32 | 11°16 | 12°29 | 26°33 | n.a. | S 13 |
| S 14 | 12 21 6 | 6°17'55 | 4♐45 | 22°56 | 20°53 | 28°16 | 22° 3 | 0°12 | 0°57 | 24°41 | 25°30 | 11°14 | 12°26 | 26°40 | n.a. | S 14 |
| M15 | 12 25 2 | 7°15'13 | 17°43 | 22°45 | 21°55 | 28°10 | 22°17 | 0° 7 | 0°55 | 24°41 | 25°29 | 11°D14 | 12°23 | 26°46 | n.a. | M15 |
| T 16 | 12 28 59 | 8°12'29 | 0♑17 | 22°37 | 22°57 | 28° 3 | 22°31 | 0° 3 | 0°53 | 24°40 | 25°27 | 11°15 | 12°19 | 26°53 | n.a. | T 16 |
| W17 | 12 32 55 | 9° 9'46 | 12°33 | 22°D34 | 24° 0 | 27°58 | 22°45 | 29♍58 | 0°50 | 24°39 | 25°25 | 11°R15 | 12°16 | 27° 0 | n.a. | W17 |
| T 18 | 12 36 52 | 10° 7'01 | 24°36 | 22°35 | 25° 3 | 27°54 | 22°59 | 29°54 | 0°48 | 24°38 | 25°24 | 11°14 | 12°13 | 27° 7 | n.a. | T 18 |
| F 19 | 12 40 48 | 11° 4'16 | 6♒31 | 22°40 | 26° 6 | 27°50 | 23°12 | 29°50 | 0°46 | 24°37 | 25°22 | 11°10 | 12°10 | 27°13 | n.a. | F 19 |
| S 20 | 12 44 45 | 12° 1'30 | 18°22 | 22°51 | 27° 9 | 27°47 | 23°26 | 29°46 | 0°44 | 24°35 | 25°21 | 11° 5 | 12° 7 | 27°20 | n.a. | S 20 |
| S 21 | 12 48 42 | 12°58'43 | 0♓13 | 23° 5 | 28°12 | 27°45 | 23°40 | 29°41 | 0°41 | 24°34 | 25°19 | 10°57 | 12° 4 | 27°27 | n.a. | S 21 |
| M22 | 12 52 38 | 13°55'56 | 12° 8 | 23°24 | 29°16 | 27°44 | 23°54 | 29°37 | 0°39 | 24°33 | 25°18 | 10°48 | 12° 0 | 27°33 | n.a. | M22 |
| T 23 | 12 56 35 | 14°53'08 | 24° 9 | 23°48 | 0♓20 | 27°D44 | 24° 7 | 29°33 | 0°37 | 24°32 | 25°16 | 10°38 | 11°57 | 27°40 | n.a. | T 23 |
| W24 | 13 0 31 | 15°50'19 | 6♈18 | 24°16 | 1°24 | 27°44 | 24°21 | 29°29 | 0°35 | 24°31 | 25°14 | 10°28 | 11°54 | 27°47 | n.a. | W24 |
| T 25 | 13 4 28 | 16°47'30 | 18°37 | 24°48 | 2°29 | 27°46 | 24°34 | 29°25 | 0°32 | 24°30 | 25°13 | 10°18 | 11°51 | 27°54 | n.a. | T 25 |
| F 26 | 13 8 24 | 17°44'40 | 1♉ 5 | 25°24 | 3°33 | 27°48 | 24°48 | 29°21 | 0°30 | 24°29 | 25°11 | 10°11 | 11°48 | 28° 0 | n.a. | F 26 |
| S 27 | 13 12 21 | 18°41'50 | 13°44 | 26° 5 | 4°38 | 27°51 | 25° 2 | 29°16 | 0°27 | 24°27 | 25°10 | 10° 5 | 11°45 | 28° 7 | n.a. | S 27 |
| S 28 | 13 16 17 | 19°38'58 | 26°34 | 26°49 | 5°43 | 27°54 | 25°15 | 29°12 | 0°25 | 24°26 | 25° 8 | 10° 3 | 11°41 | 28°14 | n.a. | S 28 |
| M29 | 13 20 14 | 20°36'06 | 9♊36 | 27°38 | 6°48 | 27°59 | 25°28 | 29° 8 | 0°23 | 24°25 | 25° 7 | 10°D 2 | 11°38 | 28°21 | n.a. | M29 |
| T 30 | 13 24 11 | 21♈33'14 | 22♊52 | 28♓30 | 7♓53 | 28♌ 4 | 25♓42 | 29♍ 5 | 0♏20 | 24♏24 | 25♍ 5 | 10♊ 2 | 11♊35 | 28♒27 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 2s29 | 19n22 | 1s 7 | 1n 0 | 1n23 | 18s26 | 0n14 | 14n 3 | 2n54 | 5s33 | 1s13 | 2n 8 | 2n51 | 11s52 | 0n21 | 18s 9 | 1n15 | 16n 8 | 15n51 | 22n43 | 22n50 | 17s58 | | n.a. |
| T 2 | 2 6 | 22 47 | 0n 2 | 0 33 | 1 8 | 18 16 | 0 8 | 14 6 | 2 50 | 5 27 | 1 13 | 2 10 | 2 51 | 11 51 | 0 21 | 18 9 | 1 15 | 16 8 | 15 51 | 22 43 | 22 49 | 17 56 | | n.a. |
| W 3 | 1 43 | 25 3 | 1 12 | 0 5 | 0 52 | 18 6 | 0 3 | 14 9 | 2 47 | 5 21 | 1 13 | 2 12 | 2 51 | 11 50 | 0 21 | 18 9 | 1 15 | 16 9 | 15 51 | 22 43 | 22 49 | 17 54 | | n.a. |
| T 4 | 1 19 | 25 53 | 2 20 | 0s24 | 0 36 | 17 55 | 0s 3 | 14 12 | 2 44 | 5 16 | 1 13 | 2 13 | 2 51 | 11 50 | 0 21 | 18 8 | 1 15 | 16 10 | 15 51 | 22 43 | 22 49 | 17 52 | | n.a. |
| F 5 | 0 56 | 25 4 | 3 21 | 0 54 | 0 19 | 17 44 | 0 8 | 14 14 | 2 41 | 5 10 | 1 13 | 2 15 | 2 51 | 11 49 | 0 21 | 18 8 | 1 15 | 16 10 | 15 51 | 22 43 | 22 48 | 17 50 | | n.a. |
| S 6 | 0 33 | 22 33 | 4 11 | 1 23 | 0 2 | 17 32 | 0 14 | 14 16 | 2 38 | 5 4 | 1 13 | 2 17 | 2 51 | 11 48 | 0 21 | 18 8 | 1 15 | 16 11 | 15 51 | 22 42 | 22 48 | 17 48 | | n.a. |
| S 7 | 0 10 | 18 31 | 4 46 | 1 53 | 0s15 | 17 20 | 0 19 | 14 18 | 2 34 | 4 59 | 1 13 | 2 19 | 2 51 | 11 48 | 0 21 | 18 8 | 1 15 | 16 11 | 15 51 | 22 41 | 22 47 | 17 46 | | n.a. |
| M 8 | 0n14 | 13 15 | 5 1 | 2 21 | 0 32 | 17 7 | 0 24 | 14 19 | 2 31 | 4 53 | 1 13 | 2 21 | 2 51 | 11 47 | 0 21 | 18 8 | 1 15 | 16 12 | 15 51 | 22 40 | 22 47 | 17 44 | | n.a. |
| T 9 | 0 37 | 7 10 | 4 56 | 2 49 | 0 48 | 16 53 | 0 29 | 14 20 | 2 28 | 4 47 | 1 13 | 2 22 | 2 51 | 11 46 | 0 21 | 18 7 | 1 15 | 16 13 | 15 50 | 22 39 | 22 47 | 17 42 | | n.a. |
| W10 | 1 0 | 0 43 | 4 30 | 3 16 | 1 4 | 16 39 | 0 34 | 14 21 | 2 24 | 4 42 | 1 13 | 2 24 | 2 51 | 11 45 | 0 21 | 18 7 | 1 15 | 16 13 | 15 50 | 22 37 | 22 46 | 17 39 | | n.a. |
| T 11 | 1 23 | 5s41 | 3 46 | 3 40 | 1 20 | 16 25 | 0 39 | 14 21 | 2 21 | 4 36 | 1 13 | 2 26 | 2 51 | 11 45 | 0 21 | 18 7 | 1 15 | 16 14 | 15 50 | 22 36 | 22 46 | 17 37 | | n.a. |
| F 12 | 1 47 | 11 37 | 2 49 | 4 3 | 1 34 | 16 10 | 0 43 | 14 22 | 2 18 | 4 30 | 1 13 | 2 28 | 2 50 | 11 44 | 0 21 | 18 7 | 1 15 | 16 14 | 15 50 | 22 35 | 22 45 | 17 35 | | n.a. |
| S 13 | 2 10 | 16 48 | 1 44 | 4 24 | 1 48 | 15 54 | 0 48 | 14 22 | 2 14 | 4 25 | 1 13 | 2 29 | 2 50 | 11 43 | 0 21 | 18 6 | 1 15 | 16 15 | 15 50 | 22 35 | 22 45 | 17 33 | | n.a. |
| S 14 | 2 33 | 20 57 | 0 34 | 4 43 | 2 2 | 15 39 | 0 52 | 14 21 | 2 11 | 4 19 | 1 13 | 2 31 | 2 50 | 11 43 | 0 21 | 18 6 | 1 15 | 16 15 | 15 50 | 22 35 | 22 44 | 17 31 | | n.a. |
| M15 | 2 56 | 23 55 | 0s34 | 4 59 | 2 14 | 15 22 | 0 56 | 14 21 | 2 8 | 4 14 | 1 13 | 2 33 | 2 50 | 11 42 | 0 21 | 18 6 | 1 15 | 16 16 | 15 50 | 22 35 | 22 44 | 17 29 | | n.a. |
| T 16 | 3 19 | 25 35 | 1 40 | 5 12 | 2 25 | 15 5 | 1 0 | 14 20 | 2 4 | 4 8 | 1 13 | 2 35 | 2 50 | 11 41 | 0 21 | 18 6 | 1 16 | 16 16 | 15 49 | 22 35 | 22 44 | 17 26 | | n.a. |
| W17 | 3 42 | 25 57 | 2 39 | 5 23 | 2 36 | 14 48 | 1 4 | 14 18 | 2 1 | 4 3 | 1 13 | 2 36 | 2 50 | 11 40 | 0 21 | 18 5 | 1 16 | 16 17 | 15 49 | 22 35 | 22 43 | 17 24 | | n.a. |
| T 18 | 4 5 | 25 4 | 3 30 | 5 31 | 2 45 | 14 30 | 1 8 | 14 17 | 1 58 | 3 57 | 1 13 | 2 38 | 2 50 | 11 39 | 0 21 | 18 5 | 1 16 | 16 17 | 15 49 | 22 35 | 22 43 | 17 22 | | n.a. |
| F 19 | 4 28 | 23 4 | 4 11 | 5 37 | 2 53 | 14 12 | 1 12 | 14 15 | 1 54 | 3 51 | 1 13 | 2 40 | 2 50 | 11 39 | 0 21 | 18 5 | 1 16 | 16 18 | 15 49 | 22 34 | 22 42 | 17 20 | | n.a. |
| S 20 | 4 51 | 20 4 | 4 41 | 5 39 | 3 1 | 13 53 | 1 16 | 14 13 | 1 51 | 3 46 | 1 13 | 2 41 | 2 50 | 11 38 | 0 21 | 18 5 | 1 16 | 16 18 | 15 49 | 22 33 | 22 42 | 17 18 | | n.a. |
| S 21 | 5 13 | 16 16 | 4 59 | 5 39 | 3 7 | 13 34 | 1 19 | 14 11 | 1 48 | 3 40 | 1 13 | 2 43 | 2 50 | 11 37 | 0 21 | 18 4 | 1 16 | 16 19 | 15 48 | 22 32 | 22 41 | 17 16 | | n.a. |
| M22 | 5 36 | 11 49 | 5 4 | 5 36 | 3 12 | 13 14 | 1 22 | 14 8 | 1 45 | 3 35 | 1 13 | 2 45 | 2 50 | 11 36 | 0 21 | 18 4 | 1 16 | 16 19 | 15 48 | 22 31 | 22 41 | 17 13 | | n.a. |
| T 23 | 5 59 | 6 53 | 4 56 | 5 30 | 3 17 | 12 55 | 1 26 | 14 5 | 1 41 | 3 29 | 1 13 | 2 46 | 2 50 | 11 35 | 0 21 | 18 4 | 1 16 | 16 20 | 15 48 | 22 29 | 22 41 | 17 11 | | n.a. |
| W24 | 6 21 | 1 38 | 4 34 | 5 22 | 3 20 | 12 34 | 1 29 | 14 2 | 1 38 | 3 24 | 1 13 | 2 48 | 2 50 | 11 35 | 0 21 | 18 3 | 1 16 | 16 20 | 15 48 | 22 28 | 22 40 | 17 9 | | n.a. |
| T 25 | 6 44 | 3n45 | 4 0 | 5 11 | 3 22 | 12 13 | 1 32 | 13 58 | 1 35 | 3 18 | 1 13 | 2 49 | 2 50 | 11 34 | 0 21 | 18 3 | 1 16 | 16 20 | 15 47 | 22 27 | 22 40 | 17 7 | | n.a. |
| F 26 | 7 6 | 9 4 | 3 13 | 4 58 | 3 23 | 11 52 | 1 35 | 13 55 | 1 32 | 3 13 | 1 13 | 2 51 | 2 49 | 11 33 | 0 21 | 18 3 | 1 16 | 16 21 | 15 47 | 22 25 | 22 39 | 17 5 | | n.a. |
| S 27 | 7 28 | 14 7 | 2 16 | 4 42 | 3 24 | 11 31 | 1 37 | 13 51 | 1 29 | 3 8 | 1 13 | 2 52 | 2 49 | 11 32 | 0 21 | 18 3 | 1 16 | 16 21 | 15 47 | 22 25 | 22 39 | 17 2 | | n.a. |
| S 28 | 7 50 | 18 37 | 1 12 | 4 23 | 3 24 | 11 9 | 1 40 | 13 46 | 1 26 | 3 2 | 1 13 | 2 54 | 2 49 | 11 31 | 0 21 | 18 2 | 1 16 | 16 21 | 15 47 | 22 24 | 22 38 | 17 0 | | n.a. |
| M29 | 8 12 | 22 18 | 0 2 | 4 3 | 3 22 | 10 47 | 1 43 | 13 42 | 1 22 | 2 57 | 1 13 | 2 55 | 2 49 | 11 30 | 0 21 | 18 2 | 1 16 | 16 22 | 15 46 | 22 24 | 22 38 | 16 58 | | n.a. |
| T 30 | 8n34 | 24n52 | 1n 9 | 3s40 | 3s20 | 10s24 | 1s45 | 13n37 | 1n19 | 2s51 | 1s13 | 2n57 | 2n49 | 11s29 | 0n21 | 18s 2 | 1n16 | 16n22 | 15n46 | 22n24 | 22n38 | 16s56 | | n.a. |

Julian Day Number = 1004527.5, Delta T = 12h47m14s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'05, Lahiri = -31°01'05 Julian Calendar 1 Apr. 1963 BCE == Greg. Calendar 15 March 1963 BCE


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## MAY 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 28 7 | 22♈30'20 | 6♋23 | 29♓26 | 8♓58 | 28♌10 | 25♓55 | 29°R 1 | 0°R18 | 24°R22 | 25°R 4 | 10♊ 3 | 11♊32 | 28♒34 | n.a. | W 1 |
| T 2 | 13 32 4 | 23°27'26 | 20° 9 | 0♈26 | 10° 4 | 28°17 | 26° 8 | 28♍57 | 0♏15 | 24♏21 | 25♍ 3 | 10°R 4 | 11°29 | 28°41 | n.a. | T 2 |
| F 3 | 13 36 0 | 24°24'31 | 4♌12 | 1°29 | 11°10 | 28°24 | 26°22 | 28°53 | 0°13 | 24°20 | 25° 1 | 10° 4 | 11°25 | 28°47 | n.a. | F 3 |
| S 4 | 13 39 57 | 25°21'35 | 18°31 | 2°36 | 12°15 | 28°33 | 26°35 | 28°49 | 0°11 | 24°18 | 25° 0 | 10° 2 | 11°22 | 28°54 | n.a. | S 4 |
| S 5 | 13 43 53 | 26°18'39 | 3♍ 3 | 3°46 | 13°22 | 28°42 | 26°48 | 28°46 | 0° 8 | 24°17 | 24°58 | 9°58 | 11°19 | 29° 1 | n.a. | S 5 |
| M 6 | 13 47 50 | 27°15'42 | 17°44 | 5° 0 | 14°28 | 28°51 | 27° 1 | 28°42 | 0° 6 | 24°16 | 24°57 | 9°53 | 11°16 | 29° 8 | n.a. | M 6 |
| T 7 | 13 51 47 | 28°12'44 | 2♎27 | 6°17 | 15°34 | 29° 2 | 27°14 | 28°39 | 0° 3 | 24°14 | 24°56 | 9°46 | 11°13 | 29°14 | n.a. | T 7 |
| W 8 | 13 55 43 | 29° 9'46 | 17° 5 | 7°38 | 16°40 | 29°13 | 27°27 | 28°35 | 0° 1 | 24°13 | 24°54 | 9°40 | 11°10 | 29°21 | n.a. | W 8 |
| T 9 | 13 59 40 | 0♉ 6'48 | 1♏31 | 9° 2 | 17°47 | 29°24 | 27°40 | 28°32 | 29♎58 | 24°11 | 24°53 | 9°35 | 11° 6 | 29°28 | n.a. | T 9 |
| F 10 | 14 3 36 | 1° 3'49 | 15°39 | 10°29 | 18°54 | 29°37 | 27°53 | 28°28 | 29°56 | 24°10 | 24°52 | 9°32 | 11° 3 | 29°34 | n.a. | F 10 |
| S 11 | 14 7 33 | 2° 0'51 | 29°25 | 11°59 | 20° 1 | 29°50 | 28° 6 | 28°25 | 29°54 | 24° 8 | 24°51 | 9°30 | 11° 0 | 29°41 | n.a. | S 11 |
| S 12 | 14 11 29 | 2°57'52 | 12♐47 | 13°33 | 21° 8 | 0♍ 3 | 28°19 | 28°22 | 29°51 | 24° 7 | 24°49 | 9°D29 | 10°57 | 29°48 | n.a. | S 12 |
| M13 | 14 15 26 | 3°54'54 | 25°45 | 15°10 | 22°15 | 0°17 | 28°31 | 28°18 | 29°49 | 24° 5 | 24°48 | 9°30 | 10°54 | 29°55 | n.a. | M13 |
| T 14 | 14 19 22 | 4°51'56 | 8♑21 | 16°50 | 23°22 | 0°32 | 28°44 | 28°15 | 29°46 | 24° 4 | 24°47 | 9°32 | 10°50 | 0♓ 1 | n.a. | T 14 |
| W15 | 14 23 19 | 5°48'58 | 20°40 | 18°33 | 24°30 | 0°48 | 28°57 | 28°12 | 29°44 | 24° 2 | 24°46 | 9°33 | 10°47 | 0° 8 | n.a. | W15 |
| T 16 | 14 27 16 | 6°46'00 | 2♒46 | 20°19 | 25°37 | 1° 4 | 29° 9 | 28° 9 | 29°41 | 24° 1 | 24°45 | 9°R34 | 10°44 | 0°15 | n.a. | T 16 |
| F 17 | 14 31 12 | 7°43'03 | 14°43 | 22° 8 | 26°45 | 1°20 | 29°22 | 28° 6 | 29°39 | 23°59 | 24°44 | 9°34 | 10°41 | 0°22 | n.a. | F 17 |
| S 18 | 14 35 9 | 8°40'06 | 26°35 | 24° 0 | 27°53 | 1°38 | 29°34 | 28° 4 | 29°37 | 23°58 | 24°43 | 9°32 | 10°38 | 0°28 | n.a. | S 18 |
| S 19 | 14 39 5 | 9°37'09 | 8♓29 | 25°55 | 29° 1 | 1°55 | 29°47 | 28° 1 | 29°34 | 23°56 | 24°41 | 9°30 | 10°35 | 0°35 | n.a. | S 19 |
| M20 | 14 43 2 | 10°34'12 | 20°27 | 27°52 | 0♈ 9 | 2°14 | 29°59 | 27°58 | 29°32 | 23°55 | 24°40 | 9°26 | 10°31 | 0°42 | n.a. | M20 |
| T 21 | 14 46 58 | 11°31'16 | 2♈33 | 29°51 | 1°17 | 2°32 | 0♈11 | 27°55 | 29°29 | 23°53 | 24°39 | 9°21 | 10°28 | 0°48 | n.a. | T 21 |
| W22 | 14 50 55 | 12°28'21 | 14°50 | 1♉53 | 2°25 | 2°52 | 0°23 | 27°53 | 29°27 | 23°52 | 24°38 | 9°17 | 10°25 | 0°55 | n.a. | W22 |
| T 23 | 14 54 52 | 13°25'25 | 27°20 | 3°56 | 3°34 | 3°12 | 0°35 | 27°50 | 29°25 | 23°50 | 24°37 | 9°13 | 10°22 | 1° 2 | n.a. | T 23 |
| F 24 | 14 58 48 | 14°22'30 | 10♉ 4 | 6° 1 | 4°42 | 3°32 | 0°47 | 27°48 | 29°22 | 23°48 | 24°37 | 9°10 | 10°19 | 1° 9 | n.a. | F 24 |
| S 25 | 15 2 45 | 15°19'36 | 23° 1 | 8° 8 | 5°51 | 3°53 | 0°59 | 27°46 | 29°20 | 23°47 | 24°36 | 9° 8 | 10°16 | 1°15 | n.a. | S 25 |
| S 26 | 15 6 41 | 16°16'42 | 6♊13 | 10°15 | 6°59 | 4°14 | 1°11 | 27°44 | 29°18 | 23°45 | 24°35 | 9°D 7 | 10°12 | 1°22 | n.a. | S 26 |
| M27 | 15 10 38 | 17°13'48 | 19°38 | 12°23 | 8° 8 | 4°36 | 1°23 | 27°42 | 29°15 | 23°44 | 24°34 | 9° 7 | 10° 9 | 1°29 | n.a. | M27 |
| T 28 | 15 14 34 | 18°10'54 | 3♋15 | 14°32 | 9°17 | 4°58 | 1°35 | 27°39 | 29°13 | 23°42 | 24°33 | 9° 8 | 10° 6 | 1°35 | n.a. | T 28 |
| W29 | 15 18 31 | 19° 8'01 | 17° 3 | 16°41 | 10°26 | 5°21 | 1°46 | 27°38 | 29°11 | 23°40 | 24°32 | 9° 9 | 10° 3 | 1°42 | n.a. | W29 |
| T 30 | 15 22 28 | 20° 5'08 | 1♌ 1 | 18°50 | 11°35 | 5°45 | 1°58 | 27°36 | 29° 9 | 23°39 | 24°32 | 9°11 | 10° 0 | 1°49 | n.a. | T 30 |
| F 31 | 15 26 24 | 21♉ 2'15 | 15♌ 7 | 20♉59 | 12♈44 | 6♍ 8 | 2♈ 9 | 27♍34 | 29♎ 6 | 23♏37 | 24♍31 | 9°R11 | 9♊56 | 1♓56 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 8n56 | 26n 3 | 2n17 | 3s14 | 3s17 | 10s 1 | 1s47 | 13n32 | 1n16 | 2s46 | 1s13 | 2n58 | 2n49 | 11s29 | 0n21 | 18s 1 | 1n16 | 16n22 | 15n46 | 22n24 | 22n37 | 16s53 | | n.a. |
| T 2 | 9 17 | 25 39 | 3 19 | 2 47 | 3 14 | 9 38 | 1 50 | 13 27 | 1 13 | 2 41 | 1 13 | 3 0 | 2 49 | 11 28 | 0 21 | 18 1 | 1 16 | 16 23 | 15 45 | 22 24 | 22 37 | 16 51 | | n.a. |
| F 3 | 9 39 | 23 38 | 4 11 | 2 17 | 3 9 | 9 14 | 1 52 | 13 22 | 1 10 | 2 35 | 1 13 | 3 1 | 2 49 | 11 27 | 0 21 | 18 1 | 1 16 | 16 23 | 15 45 | 22 24 | 22 36 | 16 49 | | n.a. |
| S 4 | 10 0 | 20 7 | 4 47 | 1 45 | 3 4 | 8 50 | 1 54 | 13 16 | 1 8 | 2 30 | 1 13 | 3 3 | 2 48 | 11 26 | 0 21 | 18 0 | 1 16 | 16 23 | 15 45 | 22 24 | 22 36 | 16 47 | | n.a. |
| S 5 | 10 21 | 15 20 | 5 6 | 1 12 | 2 59 | 8 26 | 1 55 | 13 10 | 1 5 | 2 25 | 1 13 | 3 4 | 2 48 | 11 25 | 0 21 | 18 0 | 1 16 | 16 23 | 15 45 | 22 24 | 22 35 | 16 45 | | n.a. |
| M 6 | 10 42 | 9 37 | 5 6 | 0 36 | 2 52 | 8 2 | 1 57 | 13 4 | 1 2 | 2 20 | 1 13 | 3 5 | 2 48 | 11 24 | 0 21 | 17 59 | 1 16 | 16 24 | 15 44 | 22 23 | 22 35 | 16 42 | | n.a. |
| T 7 | 11 3 | 3 21 | 4 45 | 0n 2 | 2 45 | 7 37 | 1 59 | 12 58 | 0 59 | 2 14 | 1 13 | 3 7 | 2 48 | 11 23 | 0 21 | 17 59 | 1 16 | 16 24 | 15 44 | 22 22 | 22 34 | 16 40 | | n.a. |
| W 8 | 11 24 | 3s 4 | 4 6 | 0 41 | 2 38 | 7 12 | 2 0 | 12 51 | 0 56 | 2 9 | 1 13 | 3 8 | 2 48 | 11 23 | 0 21 | 17 59 | 1 16 | 16 24 | 15 43 | 22 21 | 22 34 | 16 38 | | n.a. |
| T 9 | 11 44 | 9 15 | 3 11 | 1 22 | 2 30 | 6 47 | 2 2 | 12 44 | 0 53 | 2 4 | 1 13 | 3 9 | 2 48 | 11 22 | 0 21 | 17 58 | 1 16 | 16 24 | 15 43 | 22 20 | 22 34 | 16 35 | | n.a. |
| F 10 | 12 5 | 14 51 | 2 6 | 2 5 | 2 21 | 6 21 | 2 3 | 12 37 | 0 51 | 1 59 | 1 14 | 3 10 | 2 47 | 11 21 | 0 21 | 17 58 | 1 16 | 16 24 | 15 43 | 22 20 | 22 33 | 16 33 | | n.a. |
| S 11 | 12 25 | 19 33 | 0 55 | 2 49 | 2 12 | 5 56 | 2 4 | 12 30 | 0 48 | 1 54 | 1 14 | 3 11 | 2 47 | 11 20 | 0 21 | 17 58 | 1 16 | 16 25 | 15 42 | 22 19 | 22 33 | 16 31 | | n.a. |
| S 12 | 12 45 | 23 5 | 0s18 | 3 35 | 2 2 | 5 30 | 2 5 | 12 23 | 0 45 | 1 48 | 1 14 | 3 13 | 2 47 | 11 19 | 0 21 | 17 57 | 1 16 | 16 25 | 15 42 | 22 19 | 22 32 | 16 29 | | n.a. |
| M13 | 13 5 | 25 18 | 1 27 | 4 22 | 1 52 | 5 4 | 2 6 | 12 15 | 0 43 | 1 43 | 1 14 | 3 14 | 2 47 | 11 18 | 0 21 | 17 57 | 1 16 | 16 25 | 15 42 | 22 19 | 22 32 | 16 26 | | n.a. |
| T 14 | 13 24 | 26 10 | 2 31 | 5 11 | 1 42 | 4 37 | 2 7 | 12 8 | 0 40 | 1 38 | 1 14 | 3 15 | 2 47 | 11 17 | 0 21 | 17 57 | 1 16 | 16 25 | 15 41 | 22 20 | 22 31 | 16 24 | | n.a. |
| W15 | 13 44 | 25 41 | 3 26 | 6 1 | 1 31 | 4 11 | 2 8 | 12 0 | 0 37 | 1 33 | 1 14 | 3 16 | 2 46 | 11 17 | 0 21 | 17 56 | 1 16 | 16 25 | 15 41 | 22 20 | 22 31 | 16 22 | | n.a. |
| T 16 | 14 3 | 23 59 | 4 10 | 6 52 | 1 20 | 3 44 | 2 8 | 11 51 | 0 35 | 1 28 | 1 14 | 3 17 | 2 46 | 11 16 | 0 21 | 17 56 | 1 16 | 16 25 | 15 40 | 22 20 | 22 30 | 16 19 | | n.a. |
| F 17 | 14 22 | 21 15 | 4 44 | 7 44 | 1 9 | 3 17 | 2 9 | 11 43 | 0 32 | 1 23 | 1 14 | 3 18 | 2 46 | 11 15 | 0 21 | 17 55 | 1 16 | 16 25 | 15 40 | 22 20 | 22 30 | 16 17 | | n.a. |
| S 18 | 14 41 | 17 39 | 5 4 | 8 36 | 0 58 | 2 50 | 2 9 | 11 35 | 0 30 | 1 18 | 1 14 | 3 19 | 2 46 | 11 14 | 0 21 | 17 55 | 1 16 | 16 25 | 15 39 | 22 20 | 22 29 | 16 15 | | n.a. |
| S 19 | 14 59 | 13 21 | 5 12 | 9 29 | 0 46 | 2 23 | 2 10 | 11 26 | 0 28 | 1 13 | 1 14 | 3 20 | 2 46 | 11 13 | 0 21 | 17 55 | 1 16 | 16 25 | 15 39 | 22 19 | 22 29 | 16 12 | | n.a. |
| M20 | 15 17 | 8 32 | 5 7 | 10 23 | 0 35 | 1 55 | 2 10 | 11 17 | 0 25 | 1 8 | 1 14 | 3 21 | 2 45 | 11 12 | 0 21 | 17 54 | 1 16 | 16 25 | 15 39 | 22 19 | 22 28 | 16 10 | | n.a. |
| T 21 | 15 36 | 3 21 | 4 47 | 11 17 | 0 23 | 1 28 | 2 10 | 11 8 | 0 23 | 1 3 | 1 14 | 3 21 | 2 45 | 11 11 | 0 21 | 17 54 | 1 16 | 16 25 | 15 38 | 22 18 | 22 28 | 16 8 | | n.a. |
| W22 | 15 53 | 2n 3 | 4 15 | 12 11 | 0 12 | 1 0 | 2 10 | 10 59 | 0 20 | 0 59 | 1 14 | 3 22 | 2 45 | 11 11 | 0 21 | 17 53 | 1 16 | 16 25 | 15 38 | 22 17 | 22 28 | 16 6 | | n.a. |
| T 23 | 16 11 | 7 29 | 3 29 | 13 4 | 0 1 | 0 32 | 2 10 | 10 49 | 0 18 | 0 54 | 1 15 | 3 23 | 2 45 | 11 10 | 0 21 | 17 53 | 1 16 | 16 25 | 15 37 | 22 17 | 22 27 | 16 3 | | n.a. |
| F 24 | 16 28 | 12 43 | 2 33 | 13 57 | 0n10 | 0 5 | 2 10 | 10 39 | 0 16 | 0 49 | 1 15 | 3 24 | 2 45 | 11 9 | 0 21 | 17 53 | 1 16 | 16 25 | 15 37 | 22 16 | 22 27 | 16 1 | | n.a. |
| S 25 | 16 46 | 17 30 | 1 27 | 14 49 | 0 21 | 0n23 | 2 10 | 10 30 | 0 14 | 0 44 | 1 15 | 3 25 | 2 44 | 11 8 | 0 21 | 17 52 | 1 16 | 16 25 | 15 36 | 22 16 | 22 26 | 15 58 | | n.a. |
| S 26 | 17 2 | 21 31 | 0 16 | 15 41 | 0 31 | 0 51 | 2 9 | 10 20 | 0 11 | 0 40 | 1 15 | 3 25 | 2 44 | 11 7 | 0 21 | 17 52 | 1 16 | 16 25 | 15 36 | 22 16 | 22 26 | 15 56 | | n.a. |
| M27 | 17 19 | 24 28 | 0n58 | 16 31 | 0 41 | 1 19 | 2 9 | 10 10 | 0 9 | 0 35 | 1 15 | 3 26 | 2 44 | 11 6 | 0 21 | 17 51 | 1 16 | 16 25 | 15 35 | 22 16 | 22 25 | 15 54 | | n.a. |
| T 28 | 17 35 | 26 2 | 2 9 | 17 19 | 0 50 | 1 47 | 2 8 | 9 59 | 0 7 | 0 30 | 1 15 | 3 27 | 2 44 | 11 6 | 0 21 | 17 51 | 1 16 | 16 25 | 15 35 | 22 16 | 22 25 | 15 51 | | n.a. |
| W29 | 17 51 | 26 1 | 3 14 | 18 6 | 0 59 | 2 16 | 2 8 | 9 49 | 0 5 | 0 26 | 1 15 | 3 27 | 2 43 | 11 5 | 0 21 | 17 51 | 1 16 | 16 25 | 15 34 | 22 16 | 22 24 | 15 49 | | n.a. |
| T 30 | 18 7 | 24 22 | 4 8 | 18 51 | 1 7 | 2 44 | 2 7 | 9 38 | 0 3 | 0 21 | 1 15 | 3 28 | 2 43 | 11 4 | 0 21 | 17 50 | 1 16 | 16 25 | 15 34 | 22 16 | 22 24 | 15 47 | | n.a. |
| F 31 | 18n23 | 21n12 | 4n48 | 19n34 | 1n15 | 3n12 | 2s 6 | 9n27 | 0n 1 | 0s16 | 1s15 | 3n28 | 2n43 | 11s 3 | 0n21 | 17s50 | 1n16 | 16n25 | 15n33 | 22n16 | 22n23 | 15s44 | | n.a. |

Julian Day Number = 1004557.5, Delta T = 12h47m12s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°08'01, Lahiri = -31°01'01 Julian Calendar 1 May 1963 BCE == Greg. Calendar 14 Apr. 1963 BCE

The year -1962 astronomical counting style corresponds to year 1963 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## JUNE 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 30 21 | 21♉59'22 | 29♌21 | 23♉ 7 | 13♈53 | 6♍32 | 2♈21 | 27°R32 | 29°R 4 | 23°R35 | 24°R30 | 9°R11 | 9♊53 | 2♓ 2 | n.a. | S 1 |
| S 2 | 15 34 17 | 22°56'30 | 13♍38 | 25°14 | 15° 3 | 6°57 | 2°32 | 27♍31 | 29♎ 2 | 23♏34 | 24♍30 | 9♊10 | 9°50 | 2° 9 | n.a. | S 2 |
| M 3 | 15 38 14 | 23°53'38 | 27°58 | 27°20 | 16°12 | 7°22 | 2°43 | 27°29 | 29° 0 | 23°32 | 24°29 | 9° 9 | 9°47 | 2°16 | n.a. | M 3 |
| T 4 | 15 42 10 | 24°50'46 | 12♎15 | 29°26 | 17°22 | 7°47 | 2°54 | 27°28 | 28°58 | 23°31 | 24°28 | 9° 7 | 9°44 | 2°23 | n.a. | T 4 |
| W 5 | 15 46 7 | 25°47'55 | 26°25 | 1♊29 | 18°31 | 8°13 | 3° 5 | 27°26 | 28°56 | 23°29 | 24°28 | 9° 6 | 9°41 | 2°29 | n.a. | W 5 |
| T 6 | 15 50 3 | 26°45'04 | 10♏25 | 3°32 | 19°41 | 8°39 | 3°16 | 27°25 | 28°54 | 23°27 | 24°27 | 9° 4 | 9°37 | 2°36 | n.a. | T 6 |
| F 7 | 15 54 0 | 27°42'14 | 24°11 | 5°33 | 20°51 | 9° 6 | 3°27 | 27°24 | 28°52 | 23°26 | 24°27 | 9° 3 | 9°34 | 2°43 | n.a. | F 7 |
| S 8 | 15 57 57 | 28°39'25 | 7♐40 | 7°33 | 22° 1 | 9°33 | 3°38 | 27°23 | 28°50 | 23°24 | 24°26 | 9°D 3 | 9°31 | 2°49 | n.a. | S 8 |
| S 9 | 16 1 53 | 29°36'37 | 20°51 | 9°31 | 23°11 | 10° 0 | 3°48 | 27°22 | 28°48 | 23°22 | 24°26 | 9° 3 | 9°28 | 2°56 | n.a. | S 9 |
| M10 | 16 5 50 | 0♊33'50 | 3♑43 | 11°27 | 24°21 | 10°28 | 3°59 | 27°21 | 28°46 | 23°21 | 24°25 | 9° 4 | 9°25 | 3° 3 | n.a. | M10 |
| T 11 | 16 9 46 | 1°31'03 | 16°17 | 13°22 | 25°31 | 10°56 | 4° 9 | 27°20 | 28°44 | 23°19 | 24°25 | 9° 4 | 9°22 | 3°10 | n.a. | T 11 |
| W12 | 16 13 43 | 2°28'18 | 28°35 | 15°15 | 26°41 | 11°24 | 4°20 | 27°20 | 28°42 | 23°18 | 24°25 | 9° 5 | 9°18 | 3°16 | n.a. | W12 |
| T 13 | 16 17 39 | 3°25'34 | 10♒42 | 17° 6 | 27°51 | 11°53 | 4°30 | 27°19 | 28°40 | 23°16 | 24°24 | 9° 6 | 9°15 | 3°23 | n.a. | T 13 |
| F 14 | 16 21 36 | 4°22'52 | 22°39 | 18°56 | 29° 2 | 12°22 | 4°40 | 27°19 | 28°38 | 23°15 | 24°24 | 9° 6 | 9°12 | 3°30 | n.a. | F 14 |
| S 15 | 16 25 33 | 5°20'10 | 4♓33 | 20°44 | 0♉12 | 12°52 | 4°50 | 27°18 | 28°36 | 23°13 | 24°24 | 9°R 6 | 9° 9 | 3°36 | n.a. | S 15 |
| S 16 | 16 29 29 | 6°17'30 | 16°27 | 22°31 | 1°23 | 13°21 | 5° 0 | 27°18 | 28°34 | 23°11 | 24°24 | 9° 6 | 9° 6 | 3°43 | n.a. | S 16 |
| M17 | 16 33 26 | 7°14'51 | 28°27 | 24°16 | 2°34 | 13°51 | 5°10 | 27°18 | 28°33 | 23°10 | 24°23 | 9° 6 | 9° 2 | 3°50 | n.a. | M17 |
| T 18 | 16 37 22 | 8°12'13 | 10♈35 | 25°59 | 3°44 | 14°22 | 5°20 | 27°18 | 28°31 | 23° 8 | 24°23 | 9° 6 | 8°59 | 3°57 | n.a. | T 18 |
| W19 | 16 41 19 | 9° 9'37 | 22°57 | 27°40 | 4°55 | 14°52 | 5°29 | 27°D17 | 28°29 | 23° 7 | 24°23 | 9°D 6 | 8°56 | 4° 3 | n.a. | W19 |
| T 20 | 16 45 15 | 10° 7'02 | 5♉35 | 29°20 | 6° 6 | 15°23 | 5°39 | 27°18 | 28°28 | 23° 5 | 24°23 | 9° 6 | 8°53 | 4°10 | n.a. | T 20 |
| F 21 | 16 49 12 | 11° 4'29 | 18°31 | 0♋58 | 7°17 | 15°55 | 5°48 | 27°18 | 28°26 | 23° 4 | 24°23 | 9° 6 | 8°50 | 4°17 | n.a. | F 21 |
| S 22 | 16 53 8 | 12° 1'57 | 1♊46 | 2°35 | 8°28 | 16°26 | 5°57 | 27°18 | 28°25 | 23° 2 | 24°D23 | 9° 6 | 8°47 | 4°24 | n.a. | S 22 |
| S 23 | 16 57 5 | 12°59'26 | 15°19 | 4°10 | 9°39 | 16°58 | 6° 7 | 27°18 | 28°23 | 23° 1 | 24°23 | 9°R 6 | 8°43 | 4°30 | n.a. | S 23 |
| M24 | 17 1 2 | 13°56'57 | 29° 9 | 5°43 | 10°50 | 17°30 | 6°16 | 27°19 | 28°22 | 22°59 | 24°23 | 9° 6 | 8°40 | 4°37 | n.a. | M24 |
| T 25 | 17 4 58 | 14°54'29 | 13♋13 | 7°15 | 12° 2 | 18° 2 | 6°25 | 27°19 | 28°20 | 22°58 | 24°23 | 9° 6 | 8°37 | 4°44 | n.a. | T 25 |
| W26 | 17 8 55 | 15°52'02 | 27°27 | 8°45 | 13°13 | 18°35 | 6°33 | 27°20 | 28°19 | 22°56 | 24°23 | 9° 5 | 8°34 | 4°50 | n.a. | W26 |
| T 27 | 17 12 51 | 16°49'37 | 11♌46 | 10°14 | 14°24 | 19° 8 | 6°42 | 27°21 | 28°17 | 22°55 | 24°23 | 9° 4 | 8°31 | 4°57 | n.a. | T 27 |
| F 28 | 17 16 48 | 17°47'12 | 26° 7 | 11°40 | 15°36 | 19°41 | 6°50 | 27°22 | 28°16 | 22°53 | 24°24 | 9° 3 | 8°28 | 5° 4 | n.a. | F 28 |
| S 29 | 17 20 44 | 18°44'48 | 10♍26 | 13° 6 | 16°47 | 20°15 | 6°59 | 27°23 | 28°15 | 22°52 | 24°24 | 9° 3 | 8°24 | 5°11 | n.a. | S 29 |
| S 30 | 17 24 41 | 19♊42'26 | 24♍39 | 14♋29 | 17♉59 | 20♍49 | 7♈ 7 | 27♍24 | 28♎14 | 22♏50 | 24♍24 | 9°D 3 | 8♊21 | 5♓17 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n38 | 16n46 | 5n11 | 20n14 | 1n22 | 3n40 | 2s 5 | 9n16 | 0s 1 | 0s12 | 1s15 | 3n29 | 2n43 | 11s 3 | 0n21 | 17s49 | 1n16 | 16n24 | 15n33 | 22n16 | 22n23 | 15s42 | | n.a. |
| S 2 | 18 53 | 11 22 | 5 14 | 20 53 | 1 28 | 4 8 | 2 4 | 9 5 | 0 3 | 0 7 | 1 16 | 3 29 | 2 42 | 11 2 | 0 21 | 17 49 | 1 16 | 16 24 | 15 32 | 22 16 | 22 22 | 15 40 | | n.a. |
| M 3 | 19 7 | 5 22 | 4 59 | 21 28 | 1 33 | 4 36 | 2 3 | 8 54 | 0 5 | 0 3 | 1 16 | 3 29 | 2 42 | 11 1 | 0 21 | 17 49 | 1 16 | 16 24 | 15 32 | 22 16 | 22 22 | 15 37 | | n.a. |
| T 4 | 19 22 | 0s53 | 4 24 | 22 2 | 1 38 | 5 4 | 2 2 | 8 42 | 0 7 | 0n 1 | 1 16 | 3 30 | 2 42 | 11 0 | 0 21 | 17 48 | 1 16 | 16 24 | 15 31 | 22 16 | 22 21 | 15 35 | | n.a. |
| W 5 | 19 36 | 7 4 | 3 34 | 22 33 | 1 42 | 5 32 | 2 1 | 8 31 | 0 9 | 0 6 | 1 16 | 3 30 | 2 42 | 10 59 | 0 21 | 17 48 | 1 16 | 16 23 | 15 31 | 22 16 | 22 21 | 15 32 | | n.a. |
| T 6 | 19 49 | 12 51 | 2 32 | 23 1 | 1 46 | 6 0 | 2 0 | 8 19 | 0 11 | 0 10 | 1 16 | 3 30 | 2 41 | 10 59 | 0 21 | 17 47 | 1 16 | 16 23 | 15 30 | 22 15 | 22 20 | 15 30 | | n.a. |
| F 7 | 20 3 | 17 53 | 1 21 | 23 27 | 1 49 | 6 28 | 1 59 | 8 7 | 0 13 | 0 14 | 1 16 | 3 31 | 2 41 | 10 58 | 0 21 | 17 47 | 1 16 | 16 23 | 15 30 | 22 15 | 22 20 | 15 28 | | n.a. |
| S 8 | 20 16 | 21 54 | 0 8 | 23 50 | 1 51 | 6 56 | 1 57 | 7 55 | 0 15 | 0 19 | 1 16 | 3 31 | 2 41 | 10 57 | 0 20 | 17 47 | 1 16 | 16 23 | 15 29 | 22 15 | 22 19 | 15 25 | | n.a. |
| S 9 | 20 28 | 24 41 | 1s 5 | 24 11 | 1 53 | 7 24 | 1 56 | 7 43 | 0 16 | 0 23 | 1 16 | 3 31 | 2 41 | 10 57 | 0 20 | 17 46 | 1 16 | 16 22 | 15 29 | 22 15 | 22 19 | 15 23 | | n.a. |
| M10 | 20 41 | 26 4 | 2 12 | 24 29 | 1 53 | 7 52 | 1 54 | 7 31 | 0 18 | 0 27 | 1 16 | 3 31 | 2 40 | 10 56 | 0 20 | 17 46 | 1 16 | 16 22 | 15 28 | 22 15 | 22 18 | 15 20 | | n.a. |
| T 11 | 20 53 | 26 5 | 3 12 | 24 44 | 1 54 | 8 19 | 1 52 | 7 18 | 0 20 | 0 31 | 1 17 | 3 31 | 2 40 | 10 55 | 0 20 | 17 45 | 1 16 | 16 22 | 15 28 | 22 15 | 22 18 | 15 18 | | n.a. |
| W12 | 21 4 | 24 47 | 4 1 | 24 58 | 1 53 | 8 46 | 1 51 | 7 6 | 0 22 | 0 35 | 1 17 | 3 31 | 2 40 | 10 55 | 0 20 | 17 45 | 1 16 | 16 21 | 15 27 | 22 15 | 22 17 | 15 15 | | n.a. |
| T 13 | 21 16 | 22 22 | 4 39 | 25 9 | 1 52 | 9 14 | 1 49 | 6 53 | 0 23 | 0 39 | 1 17 | 3 31 | 2 40 | 10 54 | 0 20 | 17 45 | 1 16 | 16 21 | 15 26 | 22 16 | 22 17 | 15 13 | | n.a. |
| F 14 | 21 27 | 19 0 | 5 4 | 25 18 | 1 51 | 9 41 | 1 47 | 6 40 | 0 25 | 0 43 | 1 17 | 3 31 | 2 39 | 10 53 | 0 20 | 17 44 | 1 16 | 16 21 | 15 26 | 22 16 | 22 17 | 15 11 | | n.a. |
| S 15 | 21 37 | 14 55 | 5 16 | 25 24 | 1 49 | 10 8 | 1 45 | 6 27 | 0 27 | 0 47 | 1 17 | 3 31 | 2 39 | 10 53 | 0 20 | 17 44 | 1 16 | 16 20 | 15 25 | 22 16 | 22 16 | 15 8 | | n.a. |
| S 16 | 21 48 | 10 15 | 5 14 | 25 29 | 1 47 | 10 35 | 1 43 | 6 14 | 0 28 | 0 51 | 1 17 | 3 31 | 2 39 | 10 52 | 0 20 | 17 44 | 1 16 | 16 20 | 15 25 | 22 16 | 22 16 | 15 6 | | n.a. |
| M17 | 21 57 | 5 11 | 4 59 | 25 31 | 1 43 | 11 1 | 1 41 | 6 1 | 0 30 | 0 55 | 1 17 | 3 31 | 2 38 | 10 51 | 0 20 | 17 43 | 1 16 | 16 19 | 15 24 | 22 16 | 22 15 | 15 3 | | n.a. |
| T 18 | 22 7 | 0n 8 | 4 30 | 25 31 | 1 40 | 11 28 | 1 39 | 5 47 | 0 32 | 0 59 | 1 18 | 3 30 | 2 38 | 10 51 | 0 20 | 17 43 | 1 16 | 16 19 | 15 24 | 22 16 | 22 15 | 15 1 | | n.a. |
| W19 | 22 16 | 5 34 | 3 49 | 25 30 | 1 36 | 11 54 | 1 37 | 5 34 | 0 33 | 1 2 | 1 18 | 3 30 | 2 38 | 10 50 | 0 20 | 17 42 | 1 16 | 16 18 | 15 23 | 22 16 | 22 14 | 14 58 | | n.a. |
| T 20 | 22 25 | 10 54 | 2 55 | 25 27 | 1 32 | 12 20 | 1 35 | 5 20 | 0 35 | 1 6 | 1 18 | 3 30 | 2 38 | 10 50 | 0 20 | 17 42 | 1 15 | 16 18 | 15 23 | 22 16 | 22 14 | 14 56 | | n.a. |
| F 21 | 22 33 | 15 54 | 1 52 | 25 22 | 1 27 | 12 45 | 1 33 | 5 7 | 0 36 | 1 10 | 1 18 | 3 30 | 2 37 | 10 49 | 0 20 | 17 42 | 1 15 | 16 17 | 15 22 | 22 16 | 22 13 | 14 53 | | n.a. |
| S 22 | 22 41 | 20 16 | 0 41 | 25 15 | 1 22 | 13 11 | 1 31 | 4 53 | 0 38 | 1 13 | 1 18 | 3 29 | 2 37 | 10 49 | 0 20 | 17 41 | 1 15 | 16 17 | 15 21 | 22 16 | 22 13 | 14 51 | | n.a. |
| S 23 | 22 49 | 23 40 | 0n34 | 25 7 | 1 16 | 13 36 | 1 28 | 4 39 | 0 39 | 1 17 | 1 18 | 3 29 | 2 37 | 10 48 | 0 20 | 17 41 | 1 15 | 16 16 | 15 21 | 22 16 | 22 12 | 14 49 | | n.a. |
| M24 | 22 56 | 25 44 | 1 49 | 24 57 | 1 10 | 14 1 | 1 26 | 4 25 | 0 41 | 1 20 | 1 18 | 3 28 | 2 37 | 10 48 | 0 20 | 17 41 | 1 15 | 16 16 | 15 20 | 22 16 | 22 11 | 14 46 | | n.a. |
| T 25 | 23 3 | 26 12 | 2 58 | 24 46 | 1 3 | 14 26 | 1 24 | 4 11 | 0 42 | 1 24 | 1 19 | 3 28 | 2 36 | 10 47 | 0 20 | 17 40 | 1 15 | 16 15 | 15 20 | 22 15 | 22 11 | 14 44 | | n.a. |
| W26 | 23 9 | 24 57 | 3 57 | 24 34 | 0 57 | 14 50 | 1 21 | 3 56 | 0 44 | 1 27 | 1 19 | 3 27 | 2 36 | 10 47 | 0 20 | 17 40 | 1 15 | 16 15 | 15 19 | 22 15 | 22 10 | 14 41 | | n.a. |
| T 27 | 23 15 | 22 5 | 4 41 | 24 21 | 0 50 | 15 14 | 1 19 | 3 42 | 0 45 | 1 30 | 1 19 | 3 27 | 2 36 | 10 46 | 0 20 | 17 40 | 1 15 | 16 14 | 15 19 | 22 15 | 22 10 | 14 39 | | n.a. |
| F 28 | 23 21 | 17 53 | 5 8 | 24 6 | 0 42 | 15 38 | 1 16 | 3 27 | 0 46 | 1 34 | 1 19 | 3 26 | 2 35 | 10 46 | 0 20 | 17 39 | 1 15 | 16 14 | 15 18 | 22 15 | 22 9 | 14 36 | | n.a. |
| S 29 | 23 26 | 12 40 | 5 16 | 23 50 | 0 34 | 16 1 | 1 14 | 3 13 | 0 48 | 1 37 | 1 19 | 3 26 | 2 35 | 10 45 | 0 20 | 17 39 | 1 15 | 16 13 | 15 17 | 22 15 | 22 9 | 14 34 | | n.a. |
| S 30 | 23n31 | 6n49 | 5n 5 | 23n33 | 0n26 | 16n24 | 1s11 | 2n58 | 0s49 | 1n40 | 1s19 | 3n25 | 2n35 | 10s45 | 0n20 | 17s39 | 1n15 | 16n12 | 15n17 | 22n15 | 22n 8 | 14s31 | | n.a. |

Julian Day Number = 1004588.5, Delta T = 12h47m10s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'57, Lahiri = -31°00'57 Julian Calendar 1 June 1963 BCE == Greg. Calendar 15 May 1963 BCE


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## JULY 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 28 38 | 20♊40'04 | 8♎44 | 15♋50 | 19♉11 | 21♍23 | 7♈15 | 27♍25 | 28°R12 | 22°R49 | 24♍24 | 9♊ 3 | 8♊18 | 5♓24 | n.a. | M 1 |
| T 2 | 17 32 34 | 21°37'44 | 22°40 | 17°10 | 20°22 | 21°57 | 7°23 | 27°26 | 28♎11 | 22♏48 | 24°25 | 9° 4 | 8°15 | 5°31 | n.a. | T 2 |
| W 3 | 17 36 31 | 22°35'26 | 6♏25 | 18°28 | 21°34 | 22°31 | 7°31 | 27°27 | 28°10 | 22°46 | 24°25 | 9° 5 | 8°12 | 5°38 | n.a. | W 3 |
| T 4 | 17 40 27 | 23°33'08 | 19°58 | 19°44 | 22°46 | 23° 6 | 7°39 | 27°29 | 28° 9 | 22°45 | 24°25 | 9° 6 | 8° 8 | 5°44 | n.a. | T 4 |
| F 5 | 17 44 24 | 24°30'52 | 3♐18 | 20°58 | 23°58 | 23°41 | 7°46 | 27°30 | 28° 8 | 22°44 | 24°26 | 9°R 7 | 8° 5 | 5°51 | n.a. | F 5 |
| S 6 | 17 48 20 | 25°28'38 | 16°25 | 22°10 | 25°10 | 24°16 | 7°54 | 27°32 | 28° 7 | 22°42 | 24°26 | 9° 7 | 8° 2 | 5°58 | n.a. | S 6 |
| S 7 | 17 52 17 | 26°26'25 | 29°18 | 23°20 | 26°22 | 24°51 | 8° 1 | 27°34 | 28° 6 | 22°41 | 24°27 | 9° 6 | 7°59 | 6° 4 | n.a. | S 7 |
| M 8 | 17 56 13 | 27°24'14 | 11♑57 | 24°28 | 27°34 | 25°27 | 8° 8 | 27°35 | 28° 5 | 22°40 | 24°27 | 9° 4 | 7°56 | 6°11 | n.a. | M 8 |
| T 9 | 18 0 10 | 28°22'05 | 24°23 | 25°33 | 28°46 | 26° 3 | 8°15 | 27°37 | 28° 5 | 22°39 | 24°28 | 9° 1 | 7°53 | 6°18 | n.a. | T 9 |
| W10 | 18 4 7 | 29°19'57 | 6♒37 | 26°37 | 29°59 | 26°39 | 8°22 | 27°39 | 28° 4 | 22°37 | 24°29 | 8°58 | 7°49 | 6°25 | n.a. | W10 |
| T 11 | 18 8 3 | 0♋17'52 | 18°41 | 27°37 | 1♊11 | 27°15 | 8°29 | 27°41 | 28° 3 | 22°36 | 24°29 | 8°55 | 7°46 | 6°31 | n.a. | T 11 |
| F 12 | 18 12 0 | 1°15'48 | 0♓38 | 28°35 | 2°24 | 27°51 | 8°35 | 27°43 | 28° 3 | 22°35 | 24°30 | 8°52 | 7°43 | 6°38 | n.a. | F 12 |
| S 13 | 18 15 56 | 2°13'46 | 12°31 | 29°30 | 3°36 | 28°28 | 8°41 | 27°46 | 28° 2 | 22°34 | 24°31 | 8°50 | 7°40 | 6°45 | n.a. | S 13 |
| S 14 | 18 19 53 | 3°11'46 | 24°24 | 0♌22 | 4°49 | 29° 5 | 8°48 | 27°48 | 28° 1 | 22°33 | 24°31 | 8°48 | 7°37 | 6°52 | n.a. | S 14 |
| M15 | 18 23 49 | 4° 9'48 | 6♈22 | 1°11 | 6° 1 | 29°42 | 8°54 | 27°50 | 28° 1 | 22°32 | 24°32 | 8°D48 | 7°34 | 6°58 | n.a. | M15 |
| T 16 | 18 27 46 | 5° 7'53 | 18°29 | 1°57 | 7°14 | 0♎19 | 9° 0 | 27°53 | 28° 0 | 22°30 | 24°33 | 8°49 | 7°30 | 7° 5 | n.a. | T 16 |
| W17 | 18 31 42 | 6° 5'59 | 0♉50 | 2°39 | 8°27 | 0°56 | 9° 5 | 27°55 | 28° 0 | 22°29 | 24°34 | 8°50 | 7°27 | 7°12 | n.a. | W17 |
| T 18 | 18 35 39 | 7° 4'08 | 13°30 | 3°17 | 9°40 | 1°34 | 9°11 | 27°58 | 27°59 | 22°28 | 24°35 | 8°52 | 7°24 | 7°18 | n.a. | T 18 |
| F 19 | 18 39 36 | 8° 2'19 | 26°31 | 3°52 | 10°52 | 2°12 | 9°16 | 28° 1 | 27°59 | 22°27 | 24°35 | 8°53 | 7°21 | 7°25 | n.a. | F 19 |
| S 20 | 18 43 32 | 9° 0'32 | 9♊56 | 4°22 | 12° 5 | 2°50 | 9°22 | 28° 4 | 27°59 | 22°26 | 24°36 | 8°R53 | 7°18 | 7°32 | n.a. | S 20 |
| S 21 | 18 47 29 | 9°58'47 | 23°45 | 4°47 | 13°18 | 3°28 | 9°27 | 28° 7 | 27°59 | 22°25 | 24°37 | 8°53 | 7°14 | 7°39 | n.a. | S 21 |
| M22 | 18 51 25 | 10°57'04 | 7♋57 | 5° 8 | 14°32 | 4° 6 | 9°32 | 28°10 | 27°58 | 22°24 | 24°38 | 8°50 | 7°11 | 7°45 | n.a. | M22 |
| T 23 | 18 55 22 | 11°55'23 | 22°27 | 5°24 | 15°45 | 4°45 | 9°36 | 28°13 | 27°58 | 22°23 | 24°39 | 8°47 | 7° 8 | 7°52 | n.a. | T 23 |
| W24 | 18 59 18 | 12°53'45 | 7♌ 9 | 5°34 | 16°58 | 5°23 | 9°41 | 28°16 | 27°58 | 22°23 | 24°40 | 8°42 | 7° 5 | 7°59 | n.a. | W24 |
| T 25 | 19 3 15 | 13°52'08 | 21°55 | 5°R38 | 18°11 | 6° 2 | 9°45 | 28°19 | 27°D58 | 22°22 | 24°42 | 8°37 | 7° 2 | 8° 6 | n.a. | T 25 |
| F 26 | 19 7 11 | 14°50'32 | 6♍38 | 5°36 | 19°24 | 6°41 | 9°49 | 28°23 | 27°58 | 22°21 | 24°43 | 8°32 | 6°59 | 8°12 | n.a. | F 26 |
| S 27 | 19 11 8 | 15°48'59 | 21°11 | 5°28 | 20°38 | 7°20 | 9°53 | 28°26 | 27°58 | 22°20 | 24°44 | 8°28 | 6°55 | 8°19 | n.a. | S 27 |
| S 28 | 19 15 4 | 16°47'27 | 5♎31 | 5°13 | 21°51 | 8° 0 | 9°57 | 28°30 | 27°58 | 22°19 | 24°45 | 8°26 | 6°52 | 8°26 | n.a. | S 28 |
| M29 | 19 19 1 | 17°45'57 | 19°33 | 4°52 | 23° 5 | 8°39 | 10° 1 | 28°33 | 27°59 | 22°19 | 24°46 | 8°D26 | 6°49 | 8°32 | n.a. | M29 |
| T 30 | 19 22 58 | 18°44'28 | 3♏17 | 4°24 | 24°18 | 9°19 | 10° 4 | 28°37 | 27°59 | 22°18 | 24°48 | 8°26 | 6°46 | 8°39 | n.a. | T 30 |
| W31 | 19 26 54 | 19♋43'02 | 16♏45 | 3♌50 | 25♊32 | 9♎58 | 10♈ 8 | 28♍41 | 27♎59 | 22♏17 | 24♍49 | 8♊28 | 6♊43 | 8♓46 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 23n35 | 0n40 | 4n35 | 23n16 | 0n18 | 16n46 | 1s 8 | 2n43 | 0s50 | 1n43 | 1s20 | 3n24 | 2n35 | 10s44 | 0n20 | 17s38 | 1n15 | 16n12 | 15n16 | 22n15 | 22n 8 | 14s29 | | | n.a. |
| T 2 | 23 39 | 5s27 | 3 49 | 22 57 | 0 10 | 17 9 | 1 6 | 2 28 | 0 52 | 1 46 | 1 20 | 3 24 | 2 34 | 10 44 | 0 20 | 17 38 | 1 15 | 16 11 | 15 16 | 22 15 | 22 7 | 14 26 | | | n.a. |
| W 3 | 23 43 | 11 14 | 2 51 | 22 38 | 0 1 | 17 30 | 1 3 | 2 13 | 0 53 | 1 49 | 1 20 | 3 23 | 2 34 | 10 44 | 0 20 | 17 38 | 1 15 | 16 10 | 15 15 | 22 15 | 22 7 | 14 24 | | | n.a. |
| T 4 | 23 46 | 16 25 | 1 44 | 22 18 | 0s 8 | 17 52 | 1 0 | 1 58 | 0 54 | 1 52 | 1 20 | 3 22 | 2 34 | 10 43 | 0 20 | 17 37 | 1 15 | 16 10 | 15 15 | 22 16 | 22 6 | 14 21 | | | n.a. |
| F 5 | 23 48 | 20 43 | 0 32 | 21 58 | 0 17 | 18 13 | 0 58 | 1 43 | 0 55 | 1 55 | 1 20 | 3 21 | 2 34 | 10 43 | 0 20 | 17 37 | 1 15 | 16 9 | 15 14 | 22 16 | 22 6 | 14 19 | | | n.a. |
| S 6 | 23 50 | 23 53 | 0s40 | 21 37 | 0 27 | 18 33 | 0 55 | 1 28 | 0 57 | 1 58 | 1 20 | 3 20 | 2 33 | 10 43 | 0 20 | 17 37 | 1 15 | 16 8 | 15 13 | 22 16 | 22 5 | 14 16 | | | n.a. |
| S 7 | 23 52 | 25 44 | 1 49 | 21 15 | 0 37 | 18 53 | 0 52 | 1 12 | 0 58 | 2 1 | 1 21 | 3 19 | 2 33 | 10 42 | 0 20 | 17 36 | 1 15 | 16 8 | 15 13 | 22 16 | 22 5 | 14 13 | | | n.a. |
| M 8 | 23 54 | 26 13 | 2 51 | 20 54 | 0 46 | 19 13 | 0 50 | 0 57 | 0 59 | 2 3 | 1 21 | 3 18 | 2 33 | 10 42 | 0 20 | 17 36 | 1 15 | 16 7 | 15 12 | 22 15 | 22 4 | 14 11 | | | n.a. |
| T 9 | 23 55 | 25 21 | 3 44 | 20 32 | 0 56 | 19 32 | 0 47 | 0 41 | 1 0 | 2 6 | 1 21 | 3 17 | 2 32 | 10 42 | 0 20 | 17 36 | 1 15 | 16 6 | 15 12 | 22 15 | 22 4 | 14 8 | | | n.a. |
| W10 | 23 55 | 23 16 | 4 26 | 20 10 | 1 7 | 19 50 | 0 44 | 0 26 | 1 1 | 2 9 | 1 21 | 3 16 | 2 32 | 10 41 | 0 20 | 17 36 | 1 15 | 16 5 | 15 11 | 22 14 | 22 3 | 14 6 | | | n.a. |
| T 11 | 23 55 | 20 11 | 4 55 | 19 48 | 1 17 | 20 8 | 0 41 | 0 10 | 1 2 | 2 11 | 1 21 | 3 15 | 2 32 | 10 41 | 0 20 | 17 35 | 1 15 | 16 4 | 15 11 | 22 14 | 22 3 | 14 3 | | | n.a. |
| F 12 | 23 55 | 16 17 | 5 11 | 19 26 | 1 27 | 20 26 | 0 38 | 0s 6 | 1 3 | 2 14 | 1 21 | 3 14 | 2 32 | 10 41 | 0 20 | 17 35 | 1 15 | 16 4 | 15 10 | 22 13 | 22 2 | 14 1 | | | n.a. |
| S 13 | 23 54 | 11 48 | 5 13 | 19 4 | 1 38 | 20 43 | 0 35 | 0 22 | 1 4 | 2 16 | 1 22 | 3 13 | 2 31 | 10 41 | 0 20 | 17 35 | 1 15 | 16 3 | 15 9 | 22 13 | 22 2 | 13 58 | | | n.a. |
| S 14 | 23 53 | 6 52 | 5 2 | 18 43 | 1 48 | 21 0 | 0 33 | 0 38 | 1 6 | 2 18 | 1 22 | 3 12 | 2 31 | 10 41 | 0 20 | 17 34 | 1 15 | 16 2 | 15 9 | 22 13 | 22 1 | 13 56 | | | n.a. |
| M15 | 23 51 | 1 40 | 4 38 | 18 22 | 1 59 | 21 15 | 0 30 | 0 53 | 1 7 | 2 21 | 1 22 | 3 10 | 2 31 | 10 40 | 0 20 | 17 34 | 1 15 | 16 1 | 15 8 | 22 13 | 22 1 | 13 53 | | | n.a. |
| T 16 | 23 49 | 3n40 | 4 2 | 18 1 | 2 10 | 21 31 | 0 27 | 1 9 | 1 8 | 2 23 | 1 22 | 3 9 | 2 31 | 10 40 | 0 20 | 17 34 | 1 15 | 16 0 | 15 8 | 22 13 | 22 0 | 13 50 | | | n.a. |
| W17 | 23 47 | 8 59 | 3 13 | 17 41 | 2 20 | 21 46 | 0 24 | 1 26 | 1 9 | 2 25 | 1 22 | 3 8 | 2 30 | 10 40 | 0 20 | 17 34 | 1 15 | 16 0 | 15 7 | 22 13 | 22 0 | 13 48 | | | n.a. |
| T 18 | 23 44 | 14 4 | 2 15 | 17 22 | 2 31 | 22 0 | 0 21 | 1 42 | 1 10 | 2 27 | 1 23 | 3 7 | 2 30 | 10 40 | 0 20 | 17 33 | 1 15 | 15 59 | 15 7 | 22 13 | 21 59 | 13 45 | | | n.a. |
| F 19 | 23 40 | 18 41 | 1 7 | 17 4 | 2 41 | 22 13 | 0 18 | 1 58 | 1 11 | 2 29 | 1 23 | 3 5 | 2 30 | 10 40 | 0 20 | 17 33 | 1 14 | 15 58 | 15 6 | 22 14 | 21 58 | 13 43 | | | n.a. |
| S 20 | 23 36 | 22 29 | 0n 6 | 16 47 | 2 51 | 22 26 | 0 16 | 2 14 | 1 11 | 2 31 | 1 23 | 3 4 | 2 30 | 10 40 | 0 20 | 17 33 | 1 14 | 15 57 | 15 5 | 22 14 | 21 58 | 13 40 | | | n.a. |
| S 21 | 23 32 | 25 6 | 1 20 | 16 31 | 3 1 | 22 39 | 0 13 | 2 30 | 1 12 | 2 33 | 1 23 | 3 2 | 2 29 | 10 40 | 0 19 | 17 33 | 1 14 | 15 56 | 15 5 | 22 13 | 21 57 | 13 38 | | | n.a. |
| M22 | 23 28 | 26 12 | 2 32 | 16 17 | 3 11 | 22 50 | 0 10 | 2 47 | 1 13 | 2 34 | 1 23 | 3 1 | 2 29 | 10 40 | 0 19 | 17 33 | 1 14 | 15 55 | 15 4 | 22 13 | 21 57 | 13 35 | | | n.a. |
| T 23 | 23 22 | 25 33 | 3 35 | 16 4 | 3 20 | 23 1 | 0 7 | 3 3 | 1 14 | 2 36 | 1 24 | 2 59 | 2 29 | 10 40 | 0 19 | 17 32 | 1 14 | 15 54 | 15 4 | 22 13 | 21 56 | 13 32 | | | n.a. |
| W24 | 23 17 | 23 7 | 4 25 | 15 53 | 3 29 | 23 12 | 0 4 | 3 20 | 1 15 | 2 38 | 1 24 | 2 58 | 2 29 | 10 40 | 0 19 | 17 32 | 1 14 | 15 53 | 15 3 | 22 12 | 21 56 | 13 30 | | | n.a. |
| T 25 | 23 11 | 19 10 | 4 58 | 15 44 | 3 37 | 23 22 | 0 1 | 3 36 | 1 16 | 2 39 | 1 24 | 2 56 | 2 28 | 10 40 | 0 19 | 17 32 | 1 14 | 15 52 | 15 3 | 22 11 | 21 55 | 13 27 | | | n.a. |
| F 26 | 23 5 | 14 2 | 5 10 | 15 37 | 3 45 | 23 31 | 0n 1 | 3 53 | 1 17 | 2 41 | 1 24 | 2 55 | 2 28 | 10 40 | 0 19 | 17 32 | 1 14 | 15 52 | 15 2 | 22 10 | 21 55 | 13 25 | | | n.a. |
| S 27 | 22 58 | 8 11 | 5 3 | 15 33 | 3 51 | 23 39 | 0 4 | 4 9 | 1 18 | 2 42 | 1 24 | 2 53 | 2 28 | 10 40 | 0 19 | 17 32 | 1 14 | 15 51 | 15 2 | 22 10 | 21 54 | 13 22 | | | n.a. |
| S 28 | 22 50 | 1 59 | 4 37 | 15 31 | 3 57 | 23 47 | 0 7 | 4 26 | 1 18 | 2 44 | 1 25 | 2 51 | 2 28 | 10 40 | 0 19 | 17 32 | 1 14 | 15 50 | 15 1 | 22 9 | 21 54 | 13 19 | | | n.a. |
| M29 | 22 43 | 4s11 | 3 54 | 15 31 | 4 2 | 23 54 | 0 10 | 4 42 | 1 19 | 2 45 | 1 25 | 2 50 | 2 27 | 10 40 | 0 19 | 17 31 | 1 14 | 15 49 | 15 1 | 22 9 | 21 53 | 13 17 | | | n.a. |
| T 30 | 22 35 | 10 3 | 2 59 | 15 35 | 4 5 | 24 0 | 0 12 | 4 59 | 1 20 | 2 46 | 1 25 | 2 48 | 2 27 | 10 40 | 0 19 | 17 31 | 1 14 | 15 48 | 15 0 | 22 9 | 21 53 | 13 14 | | | n.a. |
| W31 | 22n26 | 15s20 | 1n55 | 15n41 | 4s 7 | 24n 5 | 0n15 | 5s16 | 1s21 | 2n47 | 1s25 | 2n46 | 2n27 | 10s40 | 0n19 | 17s31 | 1n14 | 15n47 | 15n 0 | 22n 9 | 21n52 | 13s11 | | | n.a. |

Julian Day Number = 1004618.5, Delta T = 12h47m08s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'53, Lahiri = -31°00'52 Julian Calendar 1 July 1963 BCE == Greg. Calendar 14 June 1963 BCE

The year -1962 astronomical counting style corresponds to year 1963 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## AUGUST 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 30 51 | 20♋41'37 | 29♏57 | 3°R 9 | 26♊46 | 10♎38 | 10♈11 | 28♍45 | 28♎ 0 | 22°R16 | 24♍50 | 8♊29 | 6♊40 | 8♓53 | n.a. | T 1 |
| F 2 | 19 34 47 | 21°40'15 | 12♐55 | 2♌22 | 27°59 | 11°18 | 10°14 | 28°49 | 28° 0 | 22♏16 | 24°51 | 8°R29 | 6°36 | 8°59 | n.a. | F 2 |
| S 3 | 19 38 44 | 22°38'54 | 25°40 | 1°29 | 29°13 | 11°59 | 10°16 | 28°53 | 28° 0 | 22°15 | 24°53 | 8°28 | 6°33 | 9° 6 | n.a. | S 3 |
| S 4 | 19 42 40 | 23°37'35 | 8♑14 | 0°32 | 0♋27 | 12°39 | 10°19 | 28°57 | 28° 1 | 22°15 | 24°54 | 8°24 | 6°30 | 9°13 | n.a. | S 4 |
| M 5 | 19 46 37 | 24°36'19 | 20°38 | 29♋31 | 1°41 | 13°19 | 10°21 | 29° 1 | 28° 1 | 22°14 | 24°56 | 8°18 | 6°27 | 9°20 | n.a. | M 5 |
| T 6 | 19 50 33 | 25°35'04 | 2♒54 | 28°27 | 2°55 | 14° 0 | 10°23 | 29° 5 | 28° 2 | 22°14 | 24°57 | 8°11 | 6°24 | 9°26 | n.a. | T 6 |
| W 7 | 19 54 30 | 26°33'52 | 15° 0 | 27°23 | 4° 9 | 14°41 | 10°25 | 29°10 | 28° 3 | 22°13 | 24°59 | 8° 2 | 6°20 | 9°33 | n.a. | W 7 |
| T 8 | 19 58 27 | 27°32'42 | 27° 0 | 26°18 | 5°23 | 15°21 | 10°27 | 29°14 | 28° 3 | 22°13 | 25° 0 | 7°52 | 6°17 | 9°40 | n.a. | T 8 |
| F 9 | 20 2 23 | 28°31'34 | 8♓54 | 25°16 | 6°37 | 16° 2 | 10°29 | 29°18 | 28° 4 | 22°12 | 25° 2 | 7°43 | 6°14 | 9°46 | n.a. | F 9 |
| S 10 | 20 6 20 | 29°30'28 | 20°46 | 24°18 | 7°51 | 16°44 | 10°30 | 29°23 | 28° 5 | 22°12 | 25° 3 | 7°35 | 6°11 | 9°53 | n.a. | S 10 |
| S 11 | 20 10 16 | 0♌29'25 | 2♈37 | 23°24 | 9° 5 | 17°25 | 10°31 | 29°27 | 28° 6 | 22°11 | 25° 5 | 7°29 | 6° 8 | 10° 0 | n.a. | S 11 |
| M12 | 20 14 13 | 1°28'24 | 14°33 | 22°37 | 10°19 | 18° 6 | 10°32 | 29°32 | 28° 7 | 22°11 | 25° 6 | 7°25 | 6° 5 | 10° 7 | n.a. | M12 |
| T 13 | 20 18 9 | 2°27'26 | 26°37 | 21°58 | 11°33 | 18°48 | 10°33 | 29°37 | 28° 8 | 22°11 | 25° 8 | 7°24 | 6° 1 | 10°13 | n.a. | T 13 |
| W14 | 20 22 6 | 3°26'30 | 8♉54 | 21°28 | 12°48 | 19°29 | 10°34 | 29°42 | 28° 9 | 22°11 | 25°10 | 7°D23 | 5°58 | 10°20 | n.a. | W14 |
| T 15 | 20 26 2 | 4°25'37 | 21°29 | 21° 8 | 14° 2 | 20°11 | 10°34 | 29°47 | 28°10 | 22°10 | 25°11 | 7°24 | 5°55 | 10°27 | n.a. | T 15 |
| F 16 | 20 29 59 | 5°24'46 | 4♊28 | 20°57 | 15°17 | 20°53 | 10°R34 | 29°51 | 28°11 | 22°10 | 25°13 | 7°R25 | 5°52 | 10°33 | n.a. | F 16 |
| S 17 | 20 33 55 | 6°23'58 | 17°52 | 20°D57 | 16°31 | 21°35 | 10°34 | 29°56 | 28°12 | 22°10 | 25°15 | 7°25 | 5°49 | 10°40 | n.a. | S 17 |
| S 18 | 20 37 52 | 7°23'13 | 1♋46 | 21° 7 | 17°46 | 22°17 | 10°34 | 0♎ 2 | 28°13 | 22°10 | 25°17 | 7°22 | 5°46 | 10°47 | n.a. | S 18 |
| M19 | 20 41 49 | 8°22'29 | 16° 7 | 21°27 | 19° 0 | 22°59 | 10°34 | 0° 7 | 28°14 | 22°10 | 25°19 | 7°17 | 5°42 | 10°54 | n.a. | M19 |
| T 20 | 20 45 45 | 9°21'49 | 0♌53 | 21°57 | 20°15 | 23°41 | 10°33 | 0°12 | 28°16 | 22°10 | 25°20 | 7°10 | 5°39 | 11° 0 | n.a. | T 20 |
| W21 | 20 49 42 | 10°21'10 | 15°55 | 22°37 | 21°29 | 24°23 | 10°32 | 0°17 | 28°17 | 22°D10 | 25°22 | 7° 1 | 5°36 | 11° 7 | n.a. | W21 |
| T 22 | 20 53 38 | 11°20'33 | 1♍ 5 | 23°25 | 22°44 | 25° 6 | 10°31 | 0°22 | 28°18 | 22°10 | 25°24 | 6°51 | 5°33 | 11°14 | n.a. | T 22 |
| F 23 | 20 57 35 | 12°19'59 | 16°12 | 24°21 | 23°59 | 25°48 | 10°30 | 0°28 | 28°20 | 22°10 | 25°26 | 6°42 | 5°30 | 11°21 | n.a. | F 23 |
| S 24 | 21 1 31 | 13°19'26 | 1♎ 6 | 25°24 | 25°14 | 26°31 | 10°28 | 0°33 | 28°21 | 22°10 | 25°28 | 6°34 | 5°26 | 11°27 | n.a. | S 24 |
| S 25 | 21 5 28 | 14°18'56 | 15°40 | 26°34 | 26°28 | 27°14 | 10°27 | 0°39 | 28°23 | 22°10 | 25°30 | 6°28 | 5°23 | 11°34 | n.a. | S 25 |
| M26 | 21 9 24 | 15°18'27 | 29°50 | 27°49 | 27°43 | 27°57 | 10°25 | 0°44 | 28°25 | 22°10 | 25°32 | 6°25 | 5°20 | 11°41 | n.a. | M26 |
| T 27 | 21 13 21 | 16°18'00 | 13♏35 | 29°10 | 28°58 | 28°40 | 10°23 | 0°50 | 28°26 | 22°10 | 25°34 | 6°D24 | 5°17 | 11°47 | n.a. | T 27 |
| W28 | 21 17 17 | 17°17'36 | 26°57 | 0♌35 | 0♌13 | 29°23 | 10°21 | 0°55 | 28°28 | 22°10 | 25°36 | 6°24 | 5°14 | 11°54 | n.a. | W28 |
| T 29 | 21 21 14 | 18°17'13 | 9♐58 | 2° 3 | 1°28 | 0♏ 6 | 10°18 | 1° 1 | 28°30 | 22°11 | 25°38 | 6°R25 | 5°11 | 12° 1 | n.a. | T 29 |
| F 30 | 21 25 11 | 19°16'52 | 22°41 | 3°35 | 2°43 | 0°49 | 10°15 | 1° 7 | 28°31 | 22°11 | 25°40 | 6°23 | 5° 7 | 12° 8 | n.a. | F 30 |
| S 31 | 21 29 7 | 20♌16'33 | 5♑11 | 5♌10 | 3♌58 | 1♏33 | 10♈13 | 1♎13 | 28♎33 | 22♏11 | 25♍42 | 6♊20 | 5♊ 4 | 12♓14 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 22n17 | 19s48 | 0n46 | 15n50 | 4s 8 | 24n10 | 0n17 | 5s32 | 1s22 | 2n48 | 1s25 | 2n45 | 2n27 | 10s40 | 0n19 | 17s31 | 1n14 | 15n46 | 14n59 | 22n10 | 21n51 | 13s 9 | | | n.a. |
| F 2 | 22 8 | 23 12 | 0s24 | 16 2 | 4 7 | 24 14 | 0 20 | 5 49 | 1 22 | 2 49 | 1 26 | 2 43 | 2 26 | 10 41 | 0 19 | 17 31 | 1 14 | 15 45 | 14 59 | 22 10 | 21 51 | 13 6 | | | n.a. |
| S 3 | 21 58 | 25 22 | 1 32 | 16 16 | 4 4 | 24 18 | 0 23 | 6 6 | 1 23 | 2 50 | 1 26 | 2 41 | 2 26 | 10 41 | 0 19 | 17 31 | 1 14 | 15 44 | 14 58 | 22 9 | 21 50 | 13 4 | | | n.a. |
| S 4 | 21 48 | 26 13 | 2 34 | 16 34 | 3 59 | 24 20 | 0 25 | 6 22 | 1 24 | 2 51 | 1 26 | 2 39 | 2 26 | 10 41 | 0 19 | 17 31 | 1 14 | 15 43 | 14 58 | 22 9 | 21 50 | 13 1 | | | n.a. |
| M 5 | 21 38 | 25 43 | 3 27 | 16 54 | 3 51 | 24 22 | 0 28 | 6 39 | 1 24 | 2 52 | 1 26 | 2 37 | 2 26 | 10 41 | 0 19 | 17 31 | 1 14 | 15 42 | 14 57 | 22 8 | 21 49 | 12 58 | | | n.a. |
| T 6 | 21 27 | 23 58 | 4 11 | 17 15 | 3 42 | 24 24 | 0 30 | 6 56 | 1 25 | 2 52 | 1 26 | 2 35 | 2 25 | 10 41 | 0 19 | 17 31 | 1 14 | 15 41 | 14 57 | 22 7 | 21 49 | 12 56 | | | n.a. |
| W 7 | 21 16 | 21 8 | 4 42 | 17 39 | 3 31 | 24 24 | 0 33 | 7 13 | 1 26 | 2 53 | 1 27 | 2 33 | 2 25 | 10 42 | 0 19 | 17 30 | 1 14 | 15 40 | 14 56 | 22 5 | 21 48 | 12 53 | | | n.a. |
| T 8 | 21 4 | 17 27 | 5 0 | 18 4 | 3 18 | 24 24 | 0 35 | 7 29 | 1 26 | 2 54 | 1 27 | 2 31 | 2 25 | 10 42 | 0 19 | 17 30 | 1 14 | 15 38 | 14 56 | 22 4 | 21 48 | 12 50 | | | n.a. |
| F 9 | 20 52 | 13 6 | 5 6 | 18 30 | 3 3 | 24 23 | 0 37 | 7 46 | 1 27 | 2 54 | 1 27 | 2 29 | 2 25 | 10 42 | 0 19 | 17 30 | 1 14 | 15 37 | 14 55 | 22 2 | 21 47 | 12 48 | | | n.a. |
| S 10 | 20 40 | 8 17 | 4 58 | 18 57 | 2 47 | 24 21 | 0 40 | 8 3 | 1 28 | 2 54 | 1 27 | 2 27 | 2 25 | 10 43 | 0 19 | 17 30 | 1 13 | 15 36 | 14 55 | 22 1 | 21 46 | 12 45 | | | n.a. |
| S 11 | 20 27 | 3 10 | 4 37 | 19 23 | 2 30 | 24 18 | 0 42 | 8 19 | 1 28 | 2 55 | 1 27 | 2 25 | 2 24 | 10 43 | 0 19 | 17 30 | 1 13 | 15 35 | 14 54 | 22 0 | 21 46 | 12 42 | | | n.a. |
| M12 | 20 14 | 2n 6 | 4 4 | 19 50 | 2 11 | 24 15 | 0 44 | 8 36 | 1 29 | 2 55 | 1 28 | 2 23 | 2 24 | 10 43 | 0 19 | 17 30 | 1 13 | 15 34 | 14 54 | 21 59 | 21 45 | 12 40 | | | n.a. |
| T 13 | 20 0 | 7 21 | 3 20 | 20 15 | 1 52 | 24 11 | 0 46 | 8 53 | 1 29 | 2 55 | 1 28 | 2 21 | 2 24 | 10 44 | 0 19 | 17 30 | 1 13 | 15 33 | 14 53 | 21 59 | 21 45 | 12 37 | | | n.a. |
| W14 | 19 47 | 12 27 | 2 27 | 20 39 | 1 33 | 24 6 | 0 49 | 9 9 | 1 30 | 2 55 | 1 28 | 2 19 | 2 24 | 10 44 | 0 19 | 17 30 | 1 13 | 15 32 | 14 53 | 21 59 | 21 44 | 12 34 | | | n.a. |
| T 15 | 19 32 | 17 9 | 1 24 | 21 1 | 1 13 | 24 0 | 0 51 | 9 26 | 1 30 | 2 55 | 1 28 | 2 17 | 2 24 | 10 44 | 0 19 | 17 30 | 1 13 | 15 31 | 14 52 | 21 59 | 21 44 | 12 32 | | | n.a. |
| F 16 | 19 18 | 21 12 | 0 16 | 21 22 | 0 54 | 23 54 | 0 53 | 9 42 | 1 31 | 2 55 | 1 28 | 2 14 | 2 23 | 10 45 | 0 19 | 17 30 | 1 13 | 15 30 | 14 52 | 21 59 | 21 43 | 12 29 | | | n.a. |
| S 17 | 19 3 | 24 17 | 0n56 | 21 40 | 0 36 | 23 47 | 0 55 | 9 59 | 1 31 | 2 55 | 1 29 | 2 12 | 2 23 | 10 45 | 0 19 | 17 30 | 1 13 | 15 29 | 14 52 | 21 59 | 21 42 | 12 26 | | | n.a. |
| S 18 | 18 48 | 26 1 | 2 6 | 21 56 | 0 18 | 23 39 | 0 57 | 10 16 | 1 32 | 2 54 | 1 29 | 2 10 | 2 23 | 10 46 | 0 19 | 17 30 | 1 13 | 15 28 | 14 51 | 21 59 | 21 42 | 12 24 | | | n.a. |
| M19 | 18 32 | 26 5 | 3 11 | 22 10 | 0 1 | 23 31 | 0 59 | 10 32 | 1 32 | 2 54 | 1 29 | 2 8 | 2 23 | 10 46 | 0 19 | 17 30 | 1 13 | 15 27 | 14 51 | 21 58 | 21 41 | 12 21 | | | n.a. |
| T 20 | 18 16 | 24 20 | 4 5 | 22 20 | 0n15 | 23 21 | 1 0 | 10 48 | 1 33 | 2 54 | 1 29 | 2 6 | 2 23 | 10 47 | 0 19 | 17 30 | 1 13 | 15 25 | 14 50 | 21 57 | 21 41 | 12 18 | | | n.a. |
| W21 | 18 0 | 20 52 | 4 43 | 22 29 | 0 30 | 23 11 | 1 2 | 11 5 | 1 33 | 2 53 | 1 29 | 2 3 | 2 22 | 10 47 | 0 19 | 17 30 | 1 13 | 15 24 | 14 50 | 21 55 | 21 40 | 12 15 | | | n.a. |
| T 22 | 17 43 | 15 59 | 5 1 | 22 34 | 0 44 | 23 1 | 1 4 | 11 21 | 1 34 | 2 53 | 1 30 | 2 1 | 2 22 | 10 48 | 0 19 | 17 30 | 1 13 | 15 23 | 14 50 | 21 53 | 21 40 | 12 13 | | | n.a. |
| F 23 | 17 27 | 10 7 | 4 59 | 22 36 | 0 56 | 22 49 | 1 6 | 11 37 | 1 34 | 2 52 | 1 30 | 1 59 | 2 22 | 10 48 | 0 19 | 17 30 | 1 13 | 15 22 | 14 49 | 21 52 | 21 39 | 12 10 | | | n.a. |
| S 24 | 17 9 | 3 45 | 4 36 | 22 35 | 1 7 | 22 37 | 1 7 | 11 54 | 1 35 | 2 51 | 1 30 | 1 56 | 2 22 | 10 49 | 0 19 | 17 30 | 1 13 | 15 21 | 14 49 | 21 50 | 21 38 | 12 7 | | | n.a. |
| S 25 | 16 52 | 2s41 | 3 55 | 22 32 | 1 17 | 22 24 | 1 9 | 12 10 | 1 35 | 2 50 | 1 30 | 1 54 | 2 22 | 10 49 | 0 19 | 17 30 | 1 13 | 15 20 | 14 48 | 21 49 | 21 38 | 12 5 | | | n.a. |
| M26 | 16 34 | 8 49 | 3 1 | 22 25 | 1 26 | 22 11 | 1 10 | 12 26 | 1 35 | 2 49 | 1 30 | 1 51 | 2 21 | 10 50 | 0 19 | 17 31 | 1 13 | 15 19 | 14 48 | 21 49 | 21 37 | 12 2 | | | n.a. |
| T 27 | 16 16 | 14 21 | 1 58 | 22 15 | 1 33 | 21 57 | 1 12 | 12 42 | 1 36 | 2 48 | 1 30 | 1 49 | 2 21 | 10 51 | 0 19 | 17 31 | 1 13 | 15 18 | 14 48 | 21 49 | 21 37 | 11 59 | | | n.a. |
| W28 | 15 58 | 19 3 | 0 50 | 22 3 | 1 40 | 21 42 | 1 13 | 12 58 | 1 36 | 2 47 | 1 31 | 1 47 | 2 21 | 10 51 | 0 19 | 17 31 | 1 13 | 15 16 | 14 47 | 21 49 | 21 36 | 11 56 | | | n.a. |
| T 29 | 15 39 | 22 42 | 0s19 | 21 48 | 1 45 | 21 27 | 1 14 | 13 14 | 1 36 | 2 46 | 1 31 | 1 44 | 2 21 | 10 52 | 0 19 | 17 31 | 1 12 | 15 15 | 14 47 | 21 49 | 21 36 | 11 54 | | | n.a. |
| F 30 | 15 20 | 25 8 | 1 25 | 21 31 | 1 49 | 21 10 | 1 16 | 13 30 | 1 37 | 2 45 | 1 31 | 1 42 | 2 21 | 10 53 | 0 18 | 17 31 | 1 12 | 15 14 | 14 47 | 21 49 | 21 35 | 11 51 | | | n.a. |
| S 31 | 15n 1 | 26s15 | 2s26 | 21n11 | 1n53 | 20n54 | 1n17 | 13s45 | 1s37 | 2n44 | 1s31 | 1n39 | 2n21 | 10s53 | 0n18 | 17s31 | 1n12 | 15n13 | 14n46 | 21n48 | 21n34 | 11s48 | | | n.a. |

Julian Day Number = 1004649.5, Delta T = 12h47m06s
Ecliptic obliquity = 23°55'16, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'49, Lahiri = -31°00'48 Julian Calendar 1 Aug. 1963 BCE == Greg. Calendar 15 July 1963 BCE

The year -1962 astronomical counting style corresponds to year 1963 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## SEPTEMBER 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 33 4 | 21♌16'16 | 17♉31 | 6♌46 | 5♌13 | 2♏16 | 10°R10 | 1♎19 | 28♎35 | 22♏12 | 25♍44 | 6°R14 | 5♊ 1 | 12♓21 | n.a. | S 1 |
| M 2 | 21 37 0 | 22°16'01 | 29°41 | 8°24 | 6°28 | 2°59 | 10♈ 6 | 1°25 | 28°37 | 22°12 | 25°46 | 6♊ 5 | 4°58 | 12°28 | n.a. | M 2 |
| T 3 | 21 40 57 | 23°15'49 | 11♒46 | 10° 4 | 7°43 | 3°43 | 10° 3 | 1°30 | 28°39 | 22°12 | 25°48 | 5°53 | 4°55 | 12°35 | n.a. | T 3 |
| W 4 | 21 44 53 | 24°15'38 | 23°45 | 11°44 | 8°58 | 4°27 | 9°59 | 1°36 | 28°41 | 22°13 | 25°50 | 5°39 | 4°51 | 12°41 | n.a. | W 4 |
| T 5 | 21 48 50 | 25°15'29 | 5♓40 | 13°26 | 10°13 | 5°10 | 9°56 | 1°43 | 28°43 | 22°13 | 25°53 | 5°25 | 4°48 | 12°48 | n.a. | T 5 |
| F 6 | 21 52 46 | 26°15'22 | 17°33 | 15° 8 | 11°29 | 5°54 | 9°52 | 1°49 | 28°45 | 22°14 | 25°55 | 5°11 | 4°45 | 12°55 | n.a. | F 6 |
| S 7 | 21 56 43 | 27°15'18 | 29°24 | 16°50 | 12°44 | 6°38 | 9°47 | 1°55 | 28°47 | 22°14 | 25°57 | 4°58 | 4°42 | 13° 1 | n.a. | S 7 |
| S 8 | 22 0 39 | 28°15'16 | 11♈17 | 18°32 | 13°59 | 7°22 | 9°43 | 2° 1 | 28°49 | 22°15 | 25°59 | 4°48 | 4°39 | 13° 8 | n.a. | S 8 |
| M 9 | 22 4 36 | 29°15'16 | 23°12 | 20°15 | 15°14 | 8° 6 | 9°39 | 2° 7 | 28°52 | 22°15 | 26° 1 | 4°41 | 4°36 | 13°15 | n.a. | M 9 |
| T 10 | 22 8 33 | 0♍15'18 | 5♉15 | 21°57 | 16°30 | 8°50 | 9°34 | 2°13 | 28°54 | 22°16 | 26° 4 | 4°37 | 4°32 | 13°22 | n.a. | T 10 |
| W11 | 22 12 29 | 1°15'23 | 17°30 | 23°39 | 17°45 | 9°34 | 9°29 | 2°20 | 28°56 | 22°17 | 26° 6 | 4°35 | 4°29 | 13°28 | n.a. | W11 |
| T 12 | 22 16 26 | 2°15'30 | 0♊ 1 | 25°21 | 19° 0 | 10°18 | 9°24 | 2°26 | 28°59 | 22°17 | 26° 8 | 4°34 | 4°26 | 13°35 | n.a. | T 12 |
| F 13 | 22 20 22 | 3°15'40 | 12°52 | 27° 2 | 20°16 | 11° 3 | 9°19 | 2°32 | 29° 1 | 22°18 | 26°10 | 4°34 | 4°23 | 13°42 | n.a. | F 13 |
| S 14 | 22 24 19 | 4°15'52 | 26° 9 | 28°44 | 21°31 | 11°47 | 9°13 | 2°39 | 29° 3 | 22°19 | 26°13 | 4°33 | 4°20 | 13°48 | n.a. | S 14 |
| S 15 | 22 28 15 | 5°16'06 | 9♋56 | 0♍24 | 22°47 | 12°31 | 9° 8 | 2°45 | 29° 6 | 22°20 | 26°15 | 4°30 | 4°17 | 13°55 | n.a. | S 15 |
| M16 | 22 32 12 | 6°16'22 | 24°12 | 2° 5 | 24° 2 | 13°16 | 9° 2 | 2°52 | 29° 8 | 22°21 | 26°17 | 4°25 | 4°13 | 14° 2 | n.a. | M16 |
| T 17 | 22 36 8 | 7°16'41 | 8♌56 | 3°45 | 25°18 | 14° 0 | 8°56 | 2°58 | 29°11 | 22°21 | 26°20 | 4°16 | 4°10 | 14° 9 | n.a. | T 17 |
| W18 | 22 40 5 | 8°17'01 | 24° 3 | 5°24 | 26°33 | 14°45 | 8°50 | 3° 5 | 29°13 | 22°22 | 26°22 | 4° 6 | 4° 7 | 14°15 | n.a. | W18 |
| T 19 | 22 44 1 | 9°17'24 | 9♍23 | 7° 4 | 27°49 | 15°29 | 8°44 | 3°11 | 29°16 | 22°23 | 26°24 | 3°54 | 4° 4 | 14°22 | n.a. | T 19 |
| F 20 | 22 47 58 | 10°17'48 | 24°43 | 8°42 | 29° 4 | 16°14 | 8°38 | 3°18 | 29°19 | 22°24 | 26°27 | 3°43 | 4° 1 | 14°29 | n.a. | F 20 |
| S 21 | 22 51 55 | 11°18'14 | 9♎53 | 10°21 | 0♍20 | 16°59 | 8°31 | 3°25 | 29°21 | 22°25 | 26°29 | 3°33 | 3°57 | 14°36 | n.a. | S 21 |
| S 22 | 22 55 51 | 12°18'42 | 24°44 | 11°58 | 1°35 | 17°44 | 8°25 | 3°31 | 29°24 | 22°26 | 26°31 | 3°26 | 3°54 | 14°42 | n.a. | S 22 |
| M23 | 22 59 48 | 13°19'12 | 9♏ 7 | 13°36 | 2°51 | 18°29 | 8°18 | 3°38 | 29°27 | 22°27 | 26°34 | 3°22 | 3°51 | 14°49 | n.a. | M23 |
| T 24 | 23 3 44 | 14°19'43 | 23° 2 | 15°13 | 4° 6 | 19°14 | 8°11 | 3°45 | 29°30 | 22°28 | 26°36 | 3°20 | 3°48 | 14°56 | n.a. | T 24 |
| W25 | 23 7 41 | 15°20'15 | 6♐29 | 16°49 | 5°22 | 19°59 | 8° 4 | 3°51 | 29°33 | 22°30 | 26°38 | 3°D20 | 3°45 | 15° 2 | n.a. | W25 |
| T 26 | 23 11 37 | 16°20'50 | 19°31 | 18°26 | 6°38 | 20°44 | 7°57 | 3°58 | 29°35 | 22°31 | 26°41 | 3°R20 | 3°42 | 15° 9 | n.a. | T 26 |
| F 27 | 23 15 34 | 17°21'25 | 2♑11 | 20° 1 | 7°53 | 21°29 | 7°50 | 4° 5 | 29°38 | 22°32 | 26°43 | 3°19 | 3°38 | 15°16 | n.a. | F 27 |
| S 28 | 23 19 30 | 18°22'02 | 14°34 | 21°37 | 9° 9 | 22°14 | 7°43 | 4°12 | 29°41 | 22°33 | 26°46 | 3°16 | 3°35 | 15°23 | n.a. | S 28 |
| S 29 | 23 23 27 | 19°22'41 | 26°46 | 23°12 | 10°24 | 22°59 | 7°35 | 4°19 | 29°44 | 22°34 | 26°48 | 3°10 | 3°32 | 15°29 | n.a. | S 29 |
| M30 | 23 27 24 | 20♍23'21 | 8♒48 | 24♍47 | 11♍40 | 23♏44 | 7♈28 | 4♎26 | 29♎47 | 22♏36 | 26♍50 | 3♊ 2 | 3♊29 | 15♓36 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n42 | 26s 2 | 3s19 | 20n48 | 1n55 | 20n36 | 1n18 | 14s 1 | 1s37 | 2n42 | 1s31 | 1n37 | 2n20 | 10s54 | 0n18 | 17s31 | 1n12 | 15n12 | 14n46 | 21n47 | 21n34 | 11s45 | | n.a. |
| M 2 | 14 22 | 24 34 | 4 2 | 20 24 | 1 56 | 20 18 | 1 19 | 14 17 | 1 38 | 2 41 | 1 31 | 1 34 | 2 20 | 10 55 | 0 18 | 17 31 | 1 12 | 15 11 | 14 46 | 21 45 | 21 33 | 11 43 | | n.a. |
| T 3 | 14 2 | 21 59 | 4 34 | 19 57 | 1 57 | 20 0 | 1 20 | 14 32 | 1 38 | 2 39 | 1 32 | 1 31 | 2 20 | 10 55 | 0 18 | 17 32 | 1 12 | 15 9 | 14 45 | 21 43 | 21 33 | 11 40 | | n.a. |
| W 4 | 13 42 | 18 28 | 4 53 | 19 29 | 1 57 | 19 41 | 1 21 | 14 48 | 1 38 | 2 38 | 1 32 | 1 29 | 2 20 | 10 56 | 0 18 | 17 32 | 1 12 | 15 8 | 14 45 | 21 41 | 21 32 | 11 37 | | n.a. |
| T 5 | 13 22 | 14 14 | 4 59 | 18 59 | 1 57 | 19 21 | 1 22 | 15 3 | 1 38 | 2 36 | 1 32 | 1 26 | 2 20 | 10 57 | 0 18 | 17 32 | 1 12 | 15 7 | 14 45 | 21 38 | 21 32 | 11 34 | | n.a. |
| F 6 | 13 1 | 9 29 | 4 53 | 18 28 | 1 55 | 19 0 | 1 23 | 15 18 | 1 39 | 2 35 | 1 32 | 1 24 | 2 20 | 10 58 | 0 18 | 17 32 | 1 12 | 15 6 | 14 44 | 21 36 | 21 31 | 11 32 | | n.a. |
| S 7 | 12 40 | 4 24 | 4 33 | 17 54 | 1 54 | 18 40 | 1 23 | 15 33 | 1 39 | 2 33 | 1 32 | 1 21 | 2 20 | 10 59 | 0 18 | 17 32 | 1 12 | 15 5 | 14 44 | 21 33 | 21 30 | 11 29 | | n.a. |
| S 8 | 12 19 | 0n51 | 4 2 | 17 20 | 1 51 | 18 18 | 1 24 | 15 48 | 1 39 | 2 31 | 1 32 | 1 18 | 2 19 | 10 59 | 0 18 | 17 32 | 1 12 | 15 4 | 14 44 | 21 32 | 21 30 | 11 26 | | n.a. |
| M 9 | 11 58 | 6 7 | 3 20 | 16 45 | 1 49 | 17 56 | 1 25 | 16 3 | 1 39 | 2 29 | 1 32 | 1 16 | 2 19 | 11 0 | 0 18 | 17 33 | 1 12 | 15 3 | 14 43 | 21 30 | 21 29 | 11 23 | | n.a. |
| T 10 | 11 36 | 11 13 | 2 28 | 16 8 | 1 45 | 17 34 | 1 25 | 16 18 | 1 39 | 2 27 | 1 33 | 1 13 | 2 19 | 11 1 | 0 18 | 17 33 | 1 12 | 15 1 | 14 43 | 21 29 | 21 29 | 11 21 | | n.a. |
| W11 | 11 15 | 15 58 | 1 29 | 15 30 | 1 42 | 17 11 | 1 26 | 16 32 | 1 39 | 2 25 | 1 33 | 1 11 | 2 19 | 11 2 | 0 18 | 17 33 | 1 12 | 15 0 | 14 43 | 21 29 | 21 28 | 11 18 | | n.a. |
| T 12 | 10 53 | 20 10 | 0 24 | 14 52 | 1 38 | 16 47 | 1 26 | 16 47 | 1 40 | 2 23 | 1 33 | 1 8 | 2 19 | 11 3 | 0 18 | 17 33 | 1 12 | 14 59 | 14 43 | 21 29 | 21 27 | 11 15 | | n.a. |
| F 13 | 10 31 | 23 31 | 0n44 | 14 12 | 1 34 | 16 23 | 1 27 | 17 1 | 1 40 | 2 21 | 1 33 | 1 5 | 2 19 | 11 4 | 0 18 | 17 34 | 1 12 | 14 58 | 14 42 | 21 29 | 21 27 | 11 12 | | n.a. |
| S 14 | 10 8 | 25 43 | 1 51 | 13 32 | 1 29 | 15 59 | 1 27 | 17 15 | 1 40 | 2 18 | 1 33 | 1 2 | 2 19 | 11 5 | 0 18 | 17 34 | 1 12 | 14 57 | 14 42 | 21 29 | 21 26 | 11 9 | | n.a. |
| S 15 | 9 46 | 26 27 | 2 55 | 12 52 | 1 24 | 15 34 | 1 27 | 17 29 | 1 40 | 2 16 | 1 33 | 1 0 | 2 19 | 11 5 | 0 18 | 17 34 | 1 12 | 14 56 | 14 42 | 21 28 | 21 26 | 11 7 | | n.a. |
| M16 | 9 23 | 25 29 | 3 50 | 12 10 | 1 19 | 15 9 | 1 27 | 17 43 | 1 40 | 2 14 | 1 33 | 0 57 | 2 18 | 11 6 | 0 18 | 17 34 | 1 12 | 14 55 | 14 42 | 21 27 | 21 25 | 11 4 | | n.a. |
| T 17 | 9 1 | 22 44 | 4 32 | 11 29 | 1 14 | 14 43 | 1 27 | 17 57 | 1 40 | 2 11 | 1 33 | 0 54 | 2 18 | 11 7 | 0 18 | 17 35 | 1 12 | 14 53 | 14 42 | 21 26 | 21 24 | 11 1 | | n.a. |
| W18 | 8 38 | 18 24 | 4 55 | 10 46 | 1 8 | 14 17 | 1 27 | 18 11 | 1 40 | 2 9 | 1 33 | 0 51 | 2 18 | 11 8 | 0 18 | 17 35 | 1 11 | 14 52 | 14 41 | 21 24 | 21 24 | 10 58 | | n.a. |
| T 19 | 8 15 | 12 48 | 4 59 | 10 4 | 1 3 | 13 50 | 1 27 | 18 24 | 1 40 | 2 6 | 1 34 | 0 49 | 2 18 | 11 9 | 0 18 | 17 35 | 1 11 | 14 51 | 14 41 | 21 21 | 21 23 | 10 55 | | n.a. |
| F 20 | 7 51 | 6 25 | 4 40 | 9 21 | 0 57 | 13 23 | 1 27 | 18 38 | 1 40 | 2 4 | 1 34 | 0 46 | 2 18 | 11 10 | 0 18 | 17 36 | 1 11 | 14 50 | 14 41 | 21 19 | 21 23 | 10 53 | | n.a. |
| S 21 | 7 28 | 0s17 | 4 2 | 8 37 | 0 51 | 12 56 | 1 27 | 18 51 | 1 40 | 2 1 | 1 34 | 0 43 | 2 18 | 11 11 | 0 18 | 17 36 | 1 11 | 14 49 | 14 41 | 21 17 | 21 22 | 10 50 | | n.a. |
| S 22 | 7 5 | 6 51 | 3 9 | 7 54 | 0 45 | 12 28 | 1 27 | 19 4 | 1 40 | 1 58 | 1 34 | 0 40 | 2 18 | 11 12 | 0 18 | 17 36 | 1 11 | 14 48 | 14 41 | 21 16 | 21 21 | 10 47 | | n.a. |
| M23 | 6 41 | 12 52 | 2 4 | 7 10 | 0 39 | 12 0 | 1 26 | 19 17 | 1 40 | 1 55 | 1 34 | 0 38 | 2 18 | 11 13 | 0 18 | 17 36 | 1 11 | 14 47 | 14 40 | 21 15 | 21 21 | 10 44 | | n.a. |
| T 24 | 6 17 | 18 2 | 0 54 | 6 26 | 0 33 | 11 32 | 1 26 | 19 29 | 1 40 | 1 53 | 1 34 | 0 35 | 2 18 | 11 14 | 0 18 | 17 37 | 1 11 | 14 46 | 14 40 | 21 15 | 21 20 | 10 41 | | n.a. |
| W25 | 5 53 | 22 6 | 0s17 | 5 42 | 0 26 | 11 3 | 1 25 | 19 42 | 1 40 | 1 50 | 1 34 | 0 32 | 2 18 | 11 15 | 0 18 | 17 37 | 1 11 | 14 44 | 14 40 | 21 15 | 21 19 | 10 39 | | n.a. |
| T 26 | 5 30 | 24 54 | 1 25 | 4 58 | 0 20 | 10 34 | 1 25 | 19 54 | 1 40 | 1 47 | 1 34 | 0 29 | 2 17 | 11 16 | 0 18 | 17 37 | 1 11 | 14 43 | 14 40 | 21 15 | 21 19 | 10 36 | | n.a. |
| F 27 | 5 5 | 26 21 | 2 26 | 4 14 | 0 13 | 10 5 | 1 24 | 20 6 | 1 40 | 1 44 | 1 34 | 0 26 | 2 17 | 11 17 | 0 18 | 17 38 | 1 11 | 14 42 | 14 40 | 21 14 | 21 18 | 10 33 | | n.a. |
| S 28 | 4 41 | 26 25 | 3 20 | 3 30 | 0 7 | 9 35 | 1 24 | 20 18 | 1 40 | 1 41 | 1 34 | 0 24 | 2 17 | 11 18 | 0 18 | 17 38 | 1 11 | 14 41 | 14 40 | 21 14 | 21 18 | 10 30 | | n.a. |
| S 29 | 4 17 | 25 12 | 4 3 | 2 45 | 0 0 | 9 5 | 1 23 | 20 30 | 1 40 | 1 38 | 1 34 | 0 21 | 2 17 | 11 20 | 0 18 | 17 39 | 1 11 | 14 40 | 14 40 | 21 13 | 21 17 | 10 27 | | n.a. |
| M30 | 3n53 | 22s50 | 4s35 | 2n 1 | 0s 6 | 8n35 | 1n22 | 20s42 | 1s40 | 1n35 | 1s34 | 0n18 | 2n17 | 11s21 | 0n18 | 17s39 | 1n11 | 14n39 | 14n39 | 21n11 | 21n16 | 10s24 | | n.a. |

Julian Day Number = 1004680.5, Delta T = 12h47m04s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'45, Lahiri = -31°00'44 Julian Calendar 1 Sept. 1963 BCE == Greg. Calendar 15 Aug. 1963 BCE

The year -1962 astronomical counting style corresponds to year 1963 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## OCTOBER 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 31 20 | 21♍24'02 | 20♒45 | 26♍21 | 12♍56 | 24♏29 | 7°R20 | 4♎32 | 29♎50 | 22♏37 | 26♍53 | 2°R51 | 3♊26 | 15♓43 | n.a. | T 1 |
| W 2 | 23 35 17 | 22°24'45 | 2♓39 | 27°56 | 14°11 | 25°14 | 7♈13 | 4°39 | 29°53 | 22°38 | 26°55 | 2♊38 | 3°23 | 15°49 | n.a. | W 2 |
| T 3 | 23 39 13 | 23°25'29 | 14°31 | 29°30 | 15°27 | 26° 0 | 7° 5 | 4°46 | 29°56 | 22°40 | 26°58 | 2°24 | 3°19 | 15°56 | n.a. | T 3 |
| F 4 | 23 43 10 | 24°26'14 | 26°24 | 1♎ 3 | 16°43 | 26°45 | 6°57 | 4°53 | 29°59 | 22°41 | 27° 0 | 2°11 | 3°16 | 16° 3 | n.a. | F 4 |
| S 5 | 23 47 6 | 25°27'02 | 8♈18 | 2°37 | 17°58 | 27°30 | 6°49 | 5° 0 | 0♏ 3 | 22°42 | 27° 3 | 1°59 | 3°13 | 16°10 | n.a. | S 5 |
| S 6 | 23 51 3 | 26°27'50 | 20°15 | 4°10 | 19°14 | 28°16 | 6°41 | 5° 7 | 0° 6 | 22°44 | 27° 5 | 1°49 | 3°10 | 16°16 | n.a. | S 6 |
| M 7 | 23 54 59 | 27°28'41 | 2♉17 | 5°43 | 20°30 | 29° 1 | 6°33 | 5°14 | 0° 9 | 22°45 | 27° 7 | 1°42 | 3° 7 | 16°23 | n.a. | M 7 |
| T 8 | 23 58 56 | 28°29'33 | 14°26 | 7°16 | 21°45 | 29°46 | 6°25 | 5°21 | 0°12 | 22°47 | 27°10 | 1°38 | 3° 3 | 16°30 | n.a. | T 8 |
| W 9 | 0 2 52 | 29°30'26 | 26°45 | 8°49 | 23° 1 | 0♐32 | 6°17 | 5°28 | 0°15 | 22°48 | 27°12 | 1°D37 | 3° 0 | 16°37 | n.a. | W 9 |
| T 10 | 0 6 49 | 0♎31'21 | 9♊17 | 10°21 | 24°17 | 1°17 | 6° 9 | 5°35 | 0°19 | 22°50 | 27°15 | 1°37 | 2°57 | 16°43 | n.a. | T 10 |
| F 11 | 0 10 46 | 1°32'18 | 22° 6 | 11°53 | 25°32 | 2° 3 | 6° 1 | 5°42 | 0°22 | 22°51 | 27°17 | 1°37 | 2°54 | 16°50 | n.a. | F 11 |
| S 12 | 0 14 42 | 2°33'17 | 5♋17 | 13°26 | 26°48 | 2°48 | 5°53 | 5°49 | 0°25 | 22°53 | 27°20 | 1°R38 | 2°51 | 16°57 | n.a. | S 12 |
| S 13 | 0 18 39 | 3°34'17 | 18°53 | 14°57 | 28° 4 | 3°34 | 5°44 | 5°56 | 0°29 | 22°55 | 27°22 | 1°37 | 2°48 | 17° 3 | n.a. | S 13 |
| M14 | 0 22 35 | 4°35'18 | 2♌56 | 16°29 | 29°20 | 4°20 | 5°36 | 6° 3 | 0°32 | 22°56 | 27°24 | 1°33 | 2°44 | 17°10 | n.a. | M14 |
| T 15 | 0 26 32 | 5°36'21 | 17°26 | 18° 1 | 0♎35 | 5° 5 | 5°28 | 6°10 | 0°35 | 22°58 | 27°27 | 1°28 | 2°41 | 17°17 | n.a. | T 15 |
| W16 | 0 30 28 | 6°37'26 | 2♍19 | 19°32 | 1°51 | 5°51 | 5°20 | 6°17 | 0°39 | 23° 0 | 27°29 | 1°20 | 2°38 | 17°24 | n.a. | W16 |
| T 17 | 0 34 25 | 7°38'31 | 17°28 | 21° 3 | 3° 7 | 6°37 | 5°12 | 6°24 | 0°42 | 23° 1 | 27°32 | 1°12 | 2°35 | 17°30 | n.a. | T 17 |
| F 18 | 0 38 22 | 8°39'38 | 2♎43 | 22°34 | 4°22 | 7°22 | 5° 3 | 6°31 | 0°45 | 23° 3 | 27°34 | 1° 3 | 2°32 | 17°37 | n.a. | F 18 |
| S 19 | 0 42 18 | 9°40'46 | 17°54 | 24° 4 | 5°38 | 8° 8 | 4°55 | 6°38 | 0°49 | 23° 5 | 27°36 | 0°56 | 2°28 | 17°44 | n.a. | S 19 |
| S 20 | 0 46 15 | 10°41'55 | 2♏50 | 25°35 | 6°54 | 8°54 | 4°47 | 6°45 | 0°52 | 23° 7 | 27°39 | 0°50 | 2°25 | 17°50 | n.a. | S 20 |
| M21 | 0 50 11 | 11°43'04 | 17°23 | 27° 4 | 8° 9 | 9°39 | 4°39 | 6°52 | 0°56 | 23° 8 | 27°41 | 0°47 | 2°22 | 17°57 | n.a. | M21 |
| T 22 | 0 54 8 | 12°44'15 | 1♐28 | 28°34 | 9°25 | 10°25 | 4°31 | 6°59 | 0°59 | 23°10 | 27°44 | 0°D46 | 2°19 | 18° 4 | n.a. | T 22 |
| W23 | 0 58 4 | 13°45'26 | 15° 5 | 0♏ 2 | 10°41 | 11°11 | 4°23 | 7° 6 | 1° 3 | 23°12 | 27°46 | 0°47 | 2°16 | 18°11 | n.a. | W23 |
| T 24 | 1 2 1 | 14°46'38 | 28°15 | 1°31 | 11°57 | 11°57 | 4°15 | 7°13 | 1° 6 | 23°14 | 27°48 | 0°49 | 2°13 | 18°17 | n.a. | T 24 |
| F 25 | 1 5 57 | 15°47'50 | 11♑ 0 | 2°58 | 13°12 | 12°42 | 4° 7 | 7°20 | 1°10 | 23°16 | 27°51 | 0°R50 | 2° 9 | 18°24 | n.a. | F 25 |
| S 26 | 1 9 54 | 16°49'03 | 23°25 | 4°25 | 14°28 | 13°28 | 3°59 | 7°27 | 1°13 | 23°18 | 27°53 | 0°49 | 2° 6 | 18°31 | n.a. | S 26 |
| S 27 | 1 13 51 | 17°50'17 | 5♒36 | 5°50 | 15°44 | 14°14 | 3°52 | 7°34 | 1°17 | 23°20 | 27°55 | 0°47 | 2° 3 | 18°37 | n.a. | S 27 |
| M28 | 1 17 47 | 18°51'30 | 17°36 | 7°14 | 16°59 | 15° 0 | 3°44 | 7°41 | 1°21 | 23°22 | 27°58 | 0°44 | 2° 0 | 18°44 | n.a. | M28 |
| T 29 | 1 21 44 | 19°52'44 | 29°30 | 8°37 | 18°15 | 15°46 | 3°36 | 7°47 | 1°24 | 23°24 | 28° 0 | 0°38 | 1°57 | 18°51 | n.a. | T 29 |
| W30 | 1 25 40 | 20°53'59 | 11♓21 | 9°59 | 19°30 | 16°31 | 3°29 | 7°54 | 1°28 | 23°26 | 28° 2 | 0°31 | 1°54 | 18°58 | n.a. | W30 |
| T 31 | 1 29 37 | 21♎55'14 | 23♓13 | 11♏18 | 20♎46 | 17♐17 | 3♈21 | 8♎ 1 | 1♏31 | 23♏28 | 28♍ 5 | 0♊23 | 1♊50 | 19♓ 4 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 3n29 | 19s30 | 4s54 | 1n17 | 0s13 | 8n 5 | 1n21 | 20s53 | 1s40 | 1n32 | 1s34 | 0n15 | 2n17 | 11s22 | 0n18 | 17s39 | 1n11 | 14n38 | 14n39 | 21n 9 | 21n16 | 10s21 | | | n.a. |
| W 2 | 3 4 | 15 24 | 5 1 | 0 33 | 0 19 | 7 34 | 1 20 | 21 4 | 1 40 | 1 29 | 1 34 | 0 12 | 2 17 | 11 23 | 0 18 | 17 40 | 1 11 | 14 37 | 14 39 | 21 6 | 21 15 | 10 19 | | | n.a. |
| T 3 | 2 40 | 10 43 | 4 54 | 0s11 | 0 25 | 7 4 | 1 19 | 21 15 | 1 40 | 1 26 | 1 34 | 0 9 | 2 17 | 11 24 | 0 18 | 17 40 | 1 11 | 14 36 | 14 39 | 21 4 | 21 15 | 10 16 | | | n.a. |
| F 4 | 2 15 | 5 39 | 4 35 | 0 55 | 0 32 | 6 33 | 1 18 | 21 26 | 1 40 | 1 23 | 1 34 | 0 6 | 2 17 | 11 25 | 0 18 | 17 40 | 1 11 | 14 35 | 14 39 | 21 1 | 21 14 | 10 13 | | | n.a. |
| S 5 | 1 51 | 0 22 | 4 4 | 1 39 | 0 38 | 6 2 | 1 17 | 21 37 | 1 40 | 1 20 | 1 34 | 0 4 | 2 17 | 11 26 | 0 18 | 17 41 | 1 11 | 14 34 | 14 39 | 20 59 | 21 13 | 10 10 | | | n.a. |
| S 6 | 1 26 | 4n58 | 3 21 | 2 22 | 0 44 | 5 30 | 1 16 | 21 47 | 1 40 | 1 16 | 1 34 | 0 1 | 2 17 | 11 27 | 0 18 | 17 41 | 1 11 | 14 33 | 14 39 | 20 57 | 21 13 | 10 7 | | | n.a. |
| M 7 | 1 1 | 10 11 | 2 29 | 3 5 | 0 51 | 4 59 | 1 15 | 21 57 | 1 39 | 1 13 | 1 34 | 0s 2 | 2 17 | 11 29 | 0 18 | 17 42 | 1 11 | 14 32 | 14 39 | 20 55 | 21 12 | 10 4 | | | n.a. |
| T 8 | 0 37 | 15 3 | 1 30 | 3 48 | 0 57 | 4 28 | 1 14 | 22 7 | 1 39 | 1 10 | 1 34 | 0 5 | 2 17 | 11 30 | 0 18 | 17 42 | 1 11 | 14 31 | 14 39 | 20 54 | 21 11 | 10 1 | | | n.a. |
| W 9 | 0 12 | 19 24 | 0 26 | 4 31 | 1 3 | 3 56 | 1 12 | 22 17 | 1 39 | 1 7 | 1 34 | 0 8 | 2 17 | 11 31 | 0 18 | 17 43 | 1 10 | 14 30 | 14 39 | 20 54 | 21 11 | 9 59 | | | n.a. |
| T 10 | 0s13 | 22 58 | 0n41 | 5 14 | 1 9 | 3 24 | 1 11 | 22 27 | 1 39 | 1 4 | 1 34 | 0 11 | 2 17 | 11 32 | 0 18 | 17 43 | 1 10 | 14 29 | 14 39 | 20 54 | 21 10 | 9 56 | | | n.a. |
| F 11 | 0 37 | 25 28 | 1 47 | 5 56 | 1 15 | 2 52 | 1 10 | 22 36 | 1 39 | 1 0 | 1 34 | 0 13 | 2 17 | 11 33 | 0 18 | 17 43 | 1 10 | 14 28 | 14 39 | 20 54 | 21 10 | 9 53 | | | n.a. |
| S 12 | 1 2 | 26 39 | 2 50 | 6 38 | 1 20 | 2 20 | 1 8 | 22 45 | 1 39 | 0 57 | 1 34 | 0 16 | 2 17 | 11 34 | 0 18 | 17 44 | 1 10 | 14 27 | 14 39 | 20 54 | 21 9 | 9 50 | | | n.a. |
| S 13 | 1 27 | 26 16 | 3 45 | 7 19 | 1 26 | 1 48 | 1 7 | 22 54 | 1 38 | 0 54 | 1 33 | 0 19 | 2 17 | 11 36 | 0 18 | 17 44 | 1 10 | 14 26 | 14 39 | 20 54 | 21 8 | 9 47 | | | n.a. |
| M14 | 1 52 | 24 14 | 4 29 | 8 0 | 1 31 | 1 16 | 1 5 | 23 3 | 1 38 | 0 51 | 1 33 | 0 22 | 2 17 | 11 37 | 0 18 | 17 45 | 1 10 | 14 25 | 14 39 | 20 53 | 21 8 | 9 44 | | | n.a. |
| T 15 | 2 16 | 20 37 | 4 56 | 8 41 | 1 36 | 0 44 | 1 4 | 23 11 | 1 38 | 0 48 | 1 33 | 0 25 | 2 16 | 11 38 | 0 18 | 17 45 | 1 10 | 14 24 | 14 39 | 20 52 | 21 7 | 9 41 | | | n.a. |
| W16 | 2 41 | 15 35 | 5 5 | 9 21 | 1 41 | 0 12 | 1 2 | 23 19 | 1 38 | 0 44 | 1 33 | 0 28 | 2 16 | 11 39 | 0 18 | 17 46 | 1 10 | 14 23 | 14 39 | 20 51 | 21 6 | 9 38 | | | n.a. |
| T 17 | 3 5 | 9 32 | 4 53 | 10 1 | 1 46 | 0s21 | 1 0 | 23 27 | 1 37 | 0 41 | 1 33 | 0 31 | 2 16 | 11 40 | 0 18 | 17 46 | 1 10 | 14 22 | 14 39 | 20 49 | 21 6 | 9 36 | | | n.a. |
| F 18 | 3 30 | 2 52 | 4 21 | 10 40 | 1 51 | 0 53 | 0 59 | 23 35 | 1 37 | 0 38 | 1 33 | 0 33 | 2 16 | 11 42 | 0 18 | 17 47 | 1 10 | 14 21 | 14 39 | 20 47 | 21 5 | 9 33 | | | n.a. |
| S 19 | 3 55 | 3s56 | 3 29 | 11 18 | 1 55 | 1 25 | 0 57 | 23 42 | 1 37 | 0 35 | 1 33 | 0 36 | 2 16 | 11 43 | 0 18 | 17 47 | 1 10 | 14 20 | 14 39 | 20 45 | 21 4 | 9 30 | | | n.a. |
| S 20 | 4 19 | 10 26 | 2 25 | 11 56 | 1 59 | 1 57 | 0 55 | 23 49 | 1 37 | 0 32 | 1 33 | 0 39 | 2 16 | 11 44 | 0 18 | 17 48 | 1 10 | 14 19 | 14 39 | 20 44 | 21 4 | 9 27 | | | n.a. |
| M21 | 4 43 | 16 13 | 1 12 | 12 32 | 2 3 | 2 29 | 0 53 | 23 56 | 1 36 | 0 28 | 1 32 | 0 42 | 2 16 | 11 45 | 0 17 | 17 48 | 1 10 | 14 18 | 14 39 | 20 44 | 21 3 | 9 24 | | | n.a. |
| T 22 | 5 8 | 20 56 | 0s 4 | 13 8 | 2 6 | 3 1 | 0 51 | 24 3 | 1 36 | 0 25 | 1 32 | 0 45 | 2 16 | 11 47 | 0 17 | 17 49 | 1 10 | 14 17 | 14 39 | 20 43 | 21 3 | 9 21 | | | n.a. |
| W23 | 5 32 | 24 20 | 1 16 | 13 44 | 2 10 | 3 33 | 0 49 | 24 9 | 1 36 | 0 22 | 1 32 | 0 47 | 2 16 | 11 48 | 0 17 | 17 49 | 1 10 | 14 16 | 14 39 | 20 44 | 21 2 | 9 18 | | | n.a. |
| T 24 | 5 56 | 26 17 | 2 23 | 14 18 | 2 12 | 4 5 | 0 47 | 24 15 | 1 36 | 0 19 | 1 32 | 0 50 | 2 16 | 11 49 | 0 17 | 17 50 | 1 10 | 14 15 | 14 39 | 20 44 | 21 1 | 9 15 | | | n.a. |
| F 25 | 6 20 | 26 46 | 3 20 | 14 51 | 2 15 | 4 37 | 0 45 | 24 21 | 1 35 | 0 16 | 1 32 | 0 53 | 2 16 | 11 50 | 0 17 | 17 50 | 1 10 | 14 14 | 14 39 | 20 44 | 21 1 | 9 12 | | | n.a. |
| S 26 | 6 44 | 25 53 | 4 6 | 15 23 | 2 16 | 5 9 | 0 43 | 24 27 | 1 35 | 0 13 | 1 32 | 0 56 | 2 16 | 11 52 | 0 17 | 17 51 | 1 10 | 14 14 | 14 39 | 20 44 | 21 0 | 9 9 | | | n.a. |
| S 27 | 7 8 | 23 46 | 4 40 | 15 54 | 2 18 | 5 41 | 0 41 | 24 32 | 1 35 | 0 10 | 1 31 | 0 59 | 2 16 | 11 53 | 0 17 | 17 51 | 1 10 | 14 13 | 14 39 | 20 44 | 20 59 | 9 6 | | | n.a. |
| M28 | 7 32 | 20 38 | 5 1 | 16 23 | 2 19 | 6 12 | 0 39 | 24 37 | 1 34 | 0 7 | 1 31 | 1 1 | 2 16 | 11 54 | 0 17 | 17 52 | 1 10 | 14 12 | 14 40 | 20 43 | 20 59 | 9 3 | | | n.a. |
| T 29 | 7 56 | 16 41 | 5 9 | 16 51 | 2 19 | 6 44 | 0 37 | 24 42 | 1 34 | 0 4 | 1 31 | 1 4 | 2 16 | 11 56 | 0 17 | 17 52 | 1 10 | 14 11 | 14 40 | 20 42 | 20 58 | 9 1 | | | n.a. |
| W30 | 8 19 | 12 7 | 5 4 | 17 17 | 2 19 | 7 15 | 0 35 | 24 47 | 1 34 | 0 2 | 1 31 | 1 7 | 2 17 | 11 57 | 0 17 | 17 53 | 1 10 | 14 10 | 14 40 | 20 40 | 20 57 | 8 58 | | | n.a. |
| T 31 | 8s42 | 7s 5 | 4s45 | 17s42 | 2s18 | 7s46 | 0n33 | 24s51 | 1s33 | 0s 1 | 1s31 | 1s10 | 2n17 | 11s58 | 0n17 | 17s53 | 1n10 | 14n10 | 14n40 | 20n39 | 20n57 | 8s55 | | | n.a. |

Julian Day Number = 1004710.5, Delta T = 12h47m02s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'40, Lahiri = -31°00'40 Julian Calendar 1 Oct. 1963 BCE == Greg. Calendar 14 Sept. 1963 BCE

The year -1962 astronomical counting style corresponds to year 1963 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## NOVEMBER 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 33 33 | 22♎56'29 | 5♈ 8 | 12♏35 | 22♎ 2 | 18♐ 3 | 3°R14 | 8♎ 8 | 1♏35 | 23♏30 | 28♍ 7 | 0°R16 | 1♊47 | 19♓11 | n.a. | F 1 |
| S 2 | 1 37 30 | 23°57'45 | 17° 8 | 13°49 | 23°17 | 18°49 | 3♈ 7 | 8°15 | 1°38 | 23°32 | 28° 9 | 0♊ 9 | 1°44 | 19°18 | n.a. | S 2 |
| S 3 | 1 41 26 | 24°59'01 | 29°14 | 15° 0 | 24°33 | 19°35 | 3° 0 | 8°22 | 1°42 | 23°34 | 28°11 | 0° 4 | 1°41 | 19°24 | n.a. | S 3 |
| M 4 | 1 45 23 | 26° 0'18 | 11♉27 | 16° 8 | 25°48 | 20°20 | 2°53 | 8°29 | 1°46 | 23°36 | 28°13 | 0° 0 | 1°38 | 19°31 | n.a. | M 4 |
| T 5 | 1 49 20 | 27° 1'35 | 23°49 | 17°12 | 27° 4 | 21° 6 | 2°46 | 8°35 | 1°49 | 23°38 | 28°16 | 29♉58 | 1°34 | 19°38 | n.a. | T 5 |
| W 6 | 1 53 16 | 28° 2'53 | 6♊21 | 18°10 | 28°20 | 21°52 | 2°39 | 8°42 | 1°53 | 23°40 | 28°18 | 29°D58 | 1°31 | 19°45 | n.a. | W 6 |
| T 7 | 1 57 13 | 29° 4'11 | 19° 6 | 19° 3 | 29°35 | 22°38 | 2°33 | 8°49 | 1°57 | 23°42 | 28°20 | 29°59 | 1°28 | 19°51 | n.a. | T 7 |
| F 8 | 2 1 9 | 0♏ 5'30 | 2♋ 4 | 19°50 | 0♏51 | 23°24 | 2°26 | 8°56 | 2° 0 | 23°44 | 28°22 | 0♊ 1 | 1°25 | 19°58 | n.a. | F 8 |
| S 9 | 2 5 6 | 1° 6'49 | 15°19 | 20°30 | 2° 6 | 24° 9 | 2°20 | 9° 2 | 2° 4 | 23°46 | 28°24 | 0° 3 | 1°22 | 20° 5 | n.a. | S 9 |
| S 10 | 2 9 2 | 2° 8'09 | 28°53 | 21° 1 | 3°22 | 24°55 | 2°14 | 9° 9 | 2° 7 | 23°48 | 28°26 | 0°R 4 | 1°19 | 20°12 | n.a. | S 10 |
| M11 | 2 12 59 | 3° 9'29 | 12♌46 | 21°24 | 4°37 | 25°41 | 2° 8 | 9°15 | 2°11 | 23°50 | 28°29 | 0° 3 | 1°15 | 20°18 | n.a. | M11 |
| T 12 | 2 16 56 | 4°10'49 | 26°59 | 21°37 | 5°53 | 26°27 | 2° 2 | 9°22 | 2°15 | 23°53 | 28°31 | 0° 2 | 1°12 | 20°25 | n.a. | T 12 |
| W13 | 2 20 52 | 5°12'10 | 11♍30 | 21°R39 | 7° 8 | 27°12 | 1°56 | 9°29 | 2°18 | 23°55 | 28°33 | 29♉59 | 1° 9 | 20°32 | n.a. | W13 |
| T 14 | 2 24 49 | 6°13'31 | 26°14 | 21°30 | 8°24 | 27°58 | 1°51 | 9°35 | 2°22 | 23°57 | 28°35 | 29°56 | 1° 6 | 20°38 | n.a. | T 14 |
| F 15 | 2 28 45 | 7°14'52 | 11♎ 6 | 21° 9 | 9°39 | 28°44 | 1°45 | 9°42 | 2°26 | 23°59 | 28°37 | 29°53 | 1° 3 | 20°45 | n.a. | F 15 |
| S 16 | 2 32 42 | 8°16'13 | 25°58 | 20°36 | 10°55 | 29°30 | 1°40 | 9°48 | 2°29 | 24° 1 | 28°39 | 29°50 | 0°59 | 20°52 | n.a. | S 16 |
| S 17 | 2 36 38 | 9°17'35 | 10♏41 | 19°52 | 12°10 | 0♑15 | 1°35 | 9°55 | 2°33 | 24° 4 | 28°41 | 29°48 | 0°56 | 20°59 | n.a. | S 17 |
| M18 | 2 40 35 | 10°18'56 | 25° 8 | 18°57 | 13°26 | 1° 1 | 1°30 | 10° 1 | 2°36 | 24° 6 | 28°43 | 29°D47 | 0°53 | 21° 5 | n.a. | M18 |
| T 19 | 2 44 32 | 11°20'17 | 9♐15 | 17°52 | 14°41 | 1°47 | 1°25 | 10° 7 | 2°40 | 24° 8 | 28°45 | 29°47 | 0°50 | 21°12 | n.a. | T 19 |
| W20 | 2 48 28 | 12°21'37 | 22°56 | 16°40 | 15°57 | 2°32 | 1°21 | 10°14 | 2°44 | 24°10 | 28°47 | 29°48 | 0°47 | 21°19 | n.a. | W20 |
| T 21 | 2 52 25 | 13°22'57 | 6♑12 | 15°23 | 17°12 | 3°18 | 1°16 | 10°20 | 2°47 | 24°13 | 28°48 | 29°49 | 0°44 | 21°25 | n.a. | T 21 |
| F 22 | 2 56 21 | 14°24'17 | 19° 5 | 14° 3 | 18°28 | 4° 4 | 1°12 | 10°26 | 2°51 | 24°15 | 28°50 | 29°51 | 0°40 | 21°32 | n.a. | F 22 |
| S 23 | 3 0 18 | 15°25'36 | 1♒36 | 12°42 | 19°43 | 4°49 | 1° 8 | 10°32 | 2°54 | 24°17 | 28°52 | 29°52 | 0°37 | 21°39 | n.a. | S 23 |
| S 24 | 3 4 14 | 16°26'54 | 13°50 | 11°24 | 20°58 | 5°35 | 1° 4 | 10°38 | 2°58 | 24°19 | 28°54 | 29°R52 | 0°34 | 21°46 | n.a. | S 24 |
| M25 | 3 8 11 | 17°28'11 | 25°53 | 10°11 | 22°14 | 6°21 | 1° 1 | 10°44 | 3° 2 | 24°22 | 28°56 | 29°52 | 0°31 | 21°52 | n.a. | M25 |
| T 26 | 3 12 7 | 18°29'28 | 7♓47 | 9° 4 | 23°29 | 7° 6 | 0°57 | 10°51 | 3° 5 | 24°24 | 28°58 | 29°51 | 0°28 | 21°59 | n.a. | T 26 |
| W27 | 3 16 4 | 19°30'44 | 19°38 | 8° 5 | 24°44 | 7°52 | 0°54 | 10°57 | 3° 9 | 24°26 | 28°59 | 29°50 | 0°25 | 22° 6 | n.a. | W27 |
| T 28 | 3 20 1 | 20°31'59 | 1♈31 | 7°16 | 26° 0 | 8°37 | 0°51 | 11° 2 | 3°12 | 24°28 | 29° 1 | 29°49 | 0°21 | 22°12 | n.a. | T 28 |
| F 29 | 3 23 57 | 21°33'13 | 13°28 | 6°35 | 27°15 | 9°23 | 0°48 | 11° 8 | 3°16 | 24°31 | 29° 3 | 29°47 | 0°18 | 22°19 | n.a. | F 29 |
| S 30 | 3 27 54 | 22♏34'26 | 25♈33 | 6♏ 5 | 28♏30 | 10♑ 8 | 0♈46 | 11♎14 | 3♏19 | 24♏33 | 29♍ 4 | 29♉46 | 0♊15 | 22♓26 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 9s 6 | 1s48 | 4s14 | 18s 5 | 2s16 | 8s17 | 0n30 | 24s55 | 1s33 | 0s 4 | 1s30 | 1s12 | 2n17 | 11s59 | 0n17 | 17s54 | 1n10 | 14n 9 | 14n40 | 20n37 | 20n56 | 8s52 | | n.a. |
| S 2 | 9 29 | 3n36 | 3 32 | 18 26 | 2 14 | 8 47 | 0 28 | 24 59 | 1 32 | 0 7 | 1 30 | 1 15 | 2 17 | 12 1 | 0 17 | 17 54 | 1 10 | 14 8 | 14 40 | 20 35 | 20 55 | 8 49 | | n.a. |
| S 3 | 9 52 | 8 56 | 2 40 | 18 44 | 2 10 | 9 18 | 0 26 | 25 2 | 1 32 | 0 9 | 1 30 | 1 18 | 2 17 | 12 2 | 0 17 | 17 55 | 1 10 | 14 7 | 14 40 | 20 34 | 20 55 | 8 46 | | n.a. |
| M 4 | 10 14 | 14 0 | 1 39 | 19 0 | 2 6 | 9 48 | 0 24 | 25 5 | 1 32 | 0 12 | 1 30 | 1 20 | 2 17 | 12 3 | 0 17 | 17 56 | 1 10 | 14 6 | 14 41 | 20 34 | 20 54 | 8 43 | | n.a. |
| T 5 | 10 37 | 18 34 | 0 34 | 19 14 | 2 1 | 10 18 | 0 21 | 25 8 | 1 31 | 0 15 | 1 29 | 1 23 | 2 17 | 12 5 | 0 17 | 17 56 | 1 10 | 14 6 | 14 41 | 20 33 | 20 53 | 8 40 | | n.a. |
| W 6 | 10 59 | 22 23 | 0n35 | 19 25 | 1 55 | 10 48 | 0 19 | 25 11 | 1 31 | 0 17 | 1 29 | 1 26 | 2 17 | 12 6 | 0 17 | 17 57 | 1 10 | 14 5 | 14 41 | 20 33 | 20 53 | 8 37 | | n.a. |
| T 7 | 11 22 | 25 10 | 1 43 | 19 33 | 1 47 | 11 17 | 0 17 | 25 13 | 1 31 | 0 19 | 1 29 | 1 28 | 2 17 | 12 7 | 0 17 | 17 57 | 1 9 | 14 4 | 14 41 | 20 33 | 20 52 | 8 34 | | n.a. |
| F 8 | 11 44 | 26 41 | 2 47 | 19 38 | 1 39 | 11 46 | 0 15 | 25 15 | 1 30 | 0 22 | 1 29 | 1 31 | 2 17 | 12 8 | 0 17 | 17 58 | 1 9 | 14 4 | 14 41 | 20 34 | 20 52 | 8 31 | | n.a. |
| S 9 | 12 6 | 26 43 | 3 43 | 19 39 | 1 29 | 12 15 | 0 12 | 25 17 | 1 30 | 0 24 | 1 28 | 1 34 | 2 17 | 12 10 | 0 17 | 17 58 | 1 9 | 14 3 | 14 42 | 20 34 | 20 51 | 8 28 | | n.a. |
| S 10 | 12 27 | 25 10 | 4 29 | 19 37 | 1 17 | 12 44 | 0 10 | 25 18 | 1 29 | 0 26 | 1 28 | 1 36 | 2 17 | 12 11 | 0 17 | 17 59 | 1 9 | 14 2 | 14 42 | 20 34 | 20 50 | 8 25 | | n.a. |
| M11 | 12 49 | 22 6 | 5 0 | 19 31 | 1 5 | 13 12 | 0 8 | 25 20 | 1 29 | 0 29 | 1 28 | 1 39 | 2 17 | 12 12 | 0 17 | 17 59 | 1 9 | 14 2 | 14 42 | 20 34 | 20 50 | 8 22 | | n.a. |
| T 12 | 13 10 | 17 39 | 5 13 | 19 21 | 0 50 | 13 40 | 0 5 | 25 21 | 1 28 | 0 31 | 1 28 | 1 41 | 2 17 | 12 14 | 0 17 | 18 0 | 1 9 | 14 1 | 14 42 | 20 34 | 20 49 | 8 19 | | n.a. |
| W13 | 13 31 | 12 7 | 5 8 | 19 6 | 0 35 | 14 8 | 0 3 | 25 21 | 1 28 | 0 33 | 1 27 | 1 44 | 2 17 | 12 15 | 0 17 | 18 1 | 1 9 | 14 0 | 14 42 | 20 33 | 20 48 | 8 16 | | n.a. |
| T 14 | 13 52 | 5 49 | 4 42 | 18 47 | 0 18 | 14 35 | 0 0 | 25 22 | 1 27 | 0 35 | 1 27 | 1 47 | 2 17 | 12 16 | 0 17 | 18 1 | 1 9 | 14 0 | 14 43 | 20 33 | 20 48 | 8 13 | | n.a. |
| F 15 | 14 12 | 0s52 | 3 57 | 18 25 | 0 0 | 15 2 | 0s 2 | 25 22 | 1 27 | 0 37 | 1 27 | 1 49 | 2 17 | 12 17 | 0 17 | 18 2 | 1 9 | 13 59 | 14 43 | 20 32 | 20 47 | 8 10 | | n.a. |
| S 16 | 14 33 | 7 30 | 2 56 | 17 57 | 0n19 | 15 28 | 0 4 | 25 22 | 1 27 | 0 39 | 1 26 | 1 52 | 2 17 | 12 19 | 0 17 | 18 2 | 1 9 | 13 59 | 14 43 | 20 31 | 20 46 | 8 7 | | n.a. |
| S 17 | 14 53 | 13 42 | 1 43 | 17 26 | 0 39 | 15 54 | 0 7 | 25 21 | 1 26 | 0 40 | 1 26 | 1 54 | 2 17 | 12 20 | 0 17 | 18 3 | 1 9 | 13 58 | 14 43 | 20 31 | 20 46 | 8 4 | | n.a. |
| M18 | 15 13 | 19 1 | 0 26 | 16 52 | 0 59 | 16 20 | 0 9 | 25 21 | 1 26 | 0 42 | 1 26 | 1 57 | 2 18 | 12 21 | 0 17 | 18 3 | 1 9 | 13 58 | 14 44 | 20 31 | 20 45 | 8 1 | | n.a. |
| T 19 | 15 32 | 23 8 | 0s52 | 16 14 | 1 19 | 16 45 | 0 11 | 25 20 | 1 25 | 0 44 | 1 26 | 1 59 | 2 18 | 12 22 | 0 17 | 18 4 | 1 9 | 13 57 | 14 44 | 20 31 | 20 44 | 7 58 | | n.a. |
| W20 | 15 51 | 25 48 | 2 4 | 15 35 | 1 39 | 17 10 | 0 14 | 25 18 | 1 25 | 0 45 | 1 25 | 2 1 | 2 18 | 12 24 | 0 17 | 18 5 | 1 9 | 13 56 | 14 44 | 20 31 | 20 44 | 7 55 | | n.a. |
| T 21 | 16 10 | 26 54 | 3 8 | 14 55 | 1 57 | 17 34 | 0 16 | 25 17 | 1 24 | 0 47 | 1 25 | 2 4 | 2 18 | 12 25 | 0 17 | 18 5 | 1 9 | 13 56 | 14 45 | 20 31 | 20 43 | 7 52 | | n.a. |
| F 22 | 16 29 | 26 29 | 4 0 | 14 14 | 2 14 | 17 58 | 0 18 | 25 15 | 1 24 | 0 48 | 1 25 | 2 6 | 2 18 | 12 26 | 0 17 | 18 6 | 1 9 | 13 55 | 14 45 | 20 31 | 20 42 | 7 49 | | n.a. |
| S 23 | 16 47 | 24 44 | 4 39 | 13 35 | 2 30 | 18 21 | 0 21 | 25 13 | 1 23 | 0 49 | 1 24 | 2 9 | 2 18 | 12 27 | 0 17 | 18 6 | 1 9 | 13 55 | 14 45 | 20 32 | 20 41 | 7 46 | | n.a. |
| S 24 | 17 5 | 21 51 | 5 4 | 12 58 | 2 43 | 18 44 | 0 23 | 25 11 | 1 23 | 0 51 | 1 24 | 2 11 | 2 18 | 12 29 | 0 17 | 18 7 | 1 9 | 13 55 | 14 45 | 20 32 | 20 41 | 7 43 | | n.a. |
| M25 | 17 23 | 18 5 | 5 16 | 12 25 | 2 54 | 19 6 | 0 25 | 25 8 | 1 22 | 0 52 | 1 24 | 2 13 | 2 18 | 12 30 | 0 17 | 18 8 | 1 9 | 13 54 | 14 46 | 20 32 | 20 40 | 7 40 | | n.a. |
| T 26 | 17 41 | 13 39 | 5 13 | 11 55 | 3 3 | 19 28 | 0 28 | 25 5 | 1 22 | 0 53 | 1 23 | 2 16 | 2 18 | 12 31 | 0 17 | 18 8 | 1 9 | 13 54 | 14 46 | 20 32 | 20 39 | 7 37 | | n.a. |
| W27 | 17 58 | 8 44 | 4 58 | 11 30 | 3 10 | 19 49 | 0 30 | 25 2 | 1 21 | 0 54 | 1 23 | 2 18 | 2 18 | 12 32 | 0 17 | 18 9 | 1 9 | 13 53 | 14 46 | 20 31 | 20 39 | 7 34 | | n.a. |
| T 28 | 18 14 | 3 29 | 4 29 | 11 10 | 3 14 | 20 10 | 0 32 | 24 58 | 1 21 | 0 55 | 1 23 | 2 20 | 2 19 | 12 34 | 0 17 | 18 9 | 1 9 | 13 53 | 14 47 | 20 31 | 20 38 | 7 31 | | n.a. |
| F 29 | 18 31 | 1n55 | 3 49 | 10 54 | 3 16 | 20 30 | 0 34 | 24 55 | 1 20 | 0 56 | 1 22 | 2 22 | 2 19 | 12 35 | 0 17 | 18 10 | 1 9 | 13 52 | 14 47 | 20 31 | 20 37 | 7 28 | | n.a. |
| S 30 | 18s47 | 7n19 | 2s58 | 10s44 | 3n17 | 20s49 | 0s36 | 24s51 | 1s19 | 0s56 | 1s22 | 2s25 | 2n19 | 12s36 | 0n17 | 18s10 | 1n 9 | 13n52 | 14n47 | 20n30 | 20n37 | 7s25 | | n.a. |

Julian Day Number = 1004741.5, Delta T = 12h47m00s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'36, Lahiri = -31°00'36 Julian Calendar 1 Nov. 1963 BCE == Greg. Calendar 15 Oct. 1963 BCE


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# ASTRODIENST EPHEMERIS for the year 1963 BCE
# geocentric

## DECEMBER 1963 BCE (-1962) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 31 50 | 23♏35'39 | 7♉48 | 5°R44 | 29♏46 | 10♑54 | 0°R43 | 11♎20 | 3♏23 | 24♏35 | 29♍ 6 | 29°R45 | 0♊12 | 22♓33 | n.a. | S 1 |
| M 2 | 3 35 47 | 24°36'51 | 20°16 | 5♏33 | 1♐ 1 | 11°39 | 0♈41 | 11°26 | 3°26 | 24°37 | 29° 8 | 29♉45 | 0° 9 | 22°39 | n.a. | M 2 |
| T 3 | 3 39 43 | 25°38'02 | 2♊56 | 5°D30 | 2°16 | 12°24 | 0°39 | 11°31 | 3°29 | 24°40 | 29° 9 | 29°D45 | 0° 5 | 22°46 | n.a. | T 3 |
| W 4 | 3 43 40 | 26°39'12 | 15°49 | 5°36 | 3°31 | 13°10 | 0°37 | 11°37 | 3°33 | 24°42 | 29°11 | 29°45 | 0° 2 | 22°53 | n.a. | W 4 |
| T 5 | 3 47 37 | 27°40'22 | 28°56 | 5°50 | 4°47 | 13°55 | 0°36 | 11°43 | 3°36 | 24°44 | 29°12 | 29°45 | 29♉59 | 22°59 | n.a. | T 5 |
| F 6 | 3 51 33 | 28°41'31 | 12♋16 | 6°10 | 6° 2 | 14°41 | 0°34 | 11°48 | 3°40 | 24°47 | 29°14 | 29°46 | 29°56 | 23° 6 | n.a. | F 6 |
| S 7 | 3 55 30 | 29°42'39 | 25°48 | 6°37 | 7°17 | 15°26 | 0°33 | 11°54 | 3°43 | 24°49 | 29°15 | 29°R46 | 29°53 | 23°13 | n.a. | S 7 |
| S 8 | 3 59 26 | 0♐43'47 | 9♌33 | 7°10 | 8°32 | 16°11 | 0°32 | 11°59 | 3°46 | 24°51 | 29°17 | 29°46 | 29°50 | 23°20 | n.a. | S 8 |
| M 9 | 4 3 23 | 1°44'53 | 23°29 | 7°48 | 9°47 | 16°56 | 0°31 | 12° 4 | 3°50 | 24°53 | 29°18 | 29°45 | 29°46 | 23°26 | n.a. | M 9 |
| T 10 | 4 7 19 | 2°45'59 | 7♍34 | 8°31 | 11° 3 | 17°42 | 0°31 | 12°10 | 3°53 | 24°56 | 29°19 | 29°D45 | 29°43 | 23°33 | n.a. | T 10 |
| W11 | 4 11 16 | 3°47'05 | 21°49 | 9°18 | 12°18 | 18°27 | 0°31 | 12°15 | 3°56 | 24°58 | 29°21 | 29°46 | 29°40 | 23°40 | n.a. | W11 |
| T 12 | 4 15 13 | 4°48'09 | 6♎ 9 | 10° 9 | 13°33 | 19°12 | 0°D30 | 12°20 | 4° 0 | 25° 0 | 29°22 | 29°46 | 29°37 | 23°46 | n.a. | T 12 |
| F 13 | 4 19 9 | 5°49'12 | 20°32 | 11° 4 | 14°48 | 19°57 | 0°30 | 12°25 | 4° 3 | 25° 2 | 29°23 | 29°47 | 29°34 | 23°53 | n.a. | F 13 |
| S 14 | 4 23 6 | 6°50'15 | 4♏54 | 12° 2 | 16° 3 | 20°42 | 0°31 | 12°30 | 4° 6 | 25° 5 | 29°25 | 29°47 | 29°31 | 24° 0 | n.a. | S 14 |
| S 15 | 4 27 2 | 7°51'17 | 19°10 | 13° 3 | 17°18 | 21°27 | 0°31 | 12°35 | 4° 9 | 25° 7 | 29°26 | 29°48 | 29°27 | 24° 7 | n.a. | S 15 |
| M16 | 4 30 59 | 8°52'17 | 3♐16 | 14° 6 | 18°33 | 22°12 | 0°32 | 12°40 | 4°12 | 25° 9 | 29°27 | 29°R48 | 29°24 | 24°13 | n.a. | M16 |
| T 17 | 4 34 55 | 9°53'17 | 17° 7 | 15°12 | 19°48 | 22°57 | 0°33 | 12°45 | 4°16 | 25°11 | 29°28 | 29°47 | 29°21 | 24°20 | n.a. | T 17 |
| W18 | 4 38 52 | 10°54'15 | 0♑41 | 16°20 | 21° 3 | 23°42 | 0°34 | 12°50 | 4°19 | 25°14 | 29°29 | 29°46 | 29°18 | 24°27 | n.a. | W18 |
| T 19 | 4 42 48 | 11°55'11 | 13°54 | 17°30 | 22°18 | 24°27 | 0°35 | 12°54 | 4°22 | 25°16 | 29°30 | 29°45 | 29°15 | 24°33 | n.a. | T 19 |
| F 20 | 4 46 45 | 12°56'06 | 26°48 | 18°42 | 23°33 | 25°12 | 0°37 | 12°59 | 4°25 | 25°18 | 29°31 | 29°43 | 29°11 | 24°40 | n.a. | F 20 |
| S 21 | 4 50 42 | 13°56'59 | 9♒22 | 19°56 | 24°48 | 25°57 | 0°38 | 13° 3 | 4°28 | 25°20 | 29°32 | 29°41 | 29° 8 | 24°47 | n.a. | S 21 |
| S 22 | 4 54 38 | 14°57'51 | 21°40 | 21°11 | 26° 3 | 26°42 | 0°40 | 13° 8 | 4°31 | 25°22 | 29°33 | 29°39 | 29° 5 | 24°54 | n.a. | S 22 |
| M23 | 4 58 35 | 15°58'41 | 3♓44 | 22°28 | 27°18 | 27°27 | 0°42 | 13°12 | 4°34 | 25°25 | 29°34 | 29°38 | 29° 2 | 25° 0 | n.a. | M23 |
| T 24 | 5 2 31 | 16°59'29 | 15°40 | 23°47 | 28°33 | 28°11 | 0°44 | 13°17 | 4°37 | 25°27 | 29°35 | 29°D37 | 28°59 | 25° 7 | n.a. | T 24 |
| W25 | 5 6 28 | 18° 0'15 | 27°32 | 25° 6 | 29°48 | 28°56 | 0°47 | 13°21 | 4°40 | 25°29 | 29°36 | 29°38 | 28°56 | 25°14 | n.a. | W25 |
| T 26 | 5 10 24 | 19° 1'00 | 9♈24 | 26°27 | 1♑ 3 | 29°41 | 0°50 | 13°25 | 4°42 | 25°31 | 29°37 | 29°39 | 28°52 | 25°20 | n.a. | T 26 |
| F 27 | 5 14 21 | 20° 1'42 | 21°22 | 27°49 | 2°18 | 0♒26 | 0°52 | 13°29 | 4°45 | 25°33 | 29°38 | 29°40 | 28°49 | 25°27 | n.a. | F 27 |
| S 28 | 5 18 18 | 21° 2'23 | 3♉30 | 29°12 | 3°33 | 1°10 | 0°56 | 13°33 | 4°48 | 25°35 | 29°39 | 29°42 | 28°46 | 25°34 | n.a. | S 28 |
| S 29 | 5 22 14 | 22° 3'02 | 15°52 | 0♐36 | 4°48 | 1°55 | 0°59 | 13°37 | 4°51 | 25°37 | 29°39 | 29°43 | 28°43 | 25°40 | n.a. | S 29 |
| M30 | 5 26 11 | 23° 3'39 | 28°30 | 2° 2 | 6° 2 | 2°39 | 1° 2 | 13°41 | 4°53 | 25°39 | 29°40 | 29°R44 | 28°40 | 25°47 | n.a. | M30 |
| T 31 | 5 30 7 | 24♐ 4'15 | 11♊26 | 3♐28 | 7♑17 | 3♒24 | 1♈ 6 | 13♎44 | 4♏56 | 25♏41 | 29♍41 | 29♉44 | 28♉37 | 25♓54 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| S 1 | 19s 3 | 12n31 | 1s59 | 10s38 | 3n15 | 21s 8 | 0s39 | 24s46 | 1s19 | 0s57 | 1s22 | 2s27 | 2n19 | 12s37 | 0n17 | 18s11 | 1n 9 | 13n52 | 14n48 | 20n30 | 20n36 | 7s22 | | | n.a. |
| M 2 | 19 18 | 17 20 | 0 52 | 10 37 | 3 13 | 21 26 | 0 41 | 24 42 | 1 18 | 0 58 | 1 21 | 2 29 | 2 19 | 12 38 | 0 17 | 18 12 | 1 9 | 13 51 | 14 48 | 20 30 | 20 35 | 7 19 | | | n.a. |
| T 3 | 19 33 | 21 27 | 0n18 | 10 40 | 3 9 | 21 44 | 0 43 | 24 37 | 1 18 | 0 58 | 1 21 | 2 31 | 2 19 | 12 40 | 0 17 | 18 12 | 1 9 | 13 51 | 14 48 | 20 30 | 20 35 | 7 16 | | | n.a. |
| W 4 | 19 48 | 24 36 | 1 28 | 10 46 | 3 4 | 22 1 | 0 45 | 24 32 | 1 17 | 0 59 | 1 21 | 2 33 | 2 19 | 12 41 | 0 17 | 18 13 | 1 9 | 13 51 | 14 49 | 20 30 | 20 34 | 7 13 | | | n.a. |
| T 5 | 20 2 | 26 30 | 2 35 | 10 56 | 2 58 | 22 17 | 0 47 | 24 27 | 1 17 | 0 59 | 1 20 | 2 35 | 2 19 | 12 42 | 0 17 | 18 13 | 1 9 | 13 51 | 14 49 | 20 30 | 20 33 | 7 10 | | | n.a. |
| F 6 | 20 16 | 26 54 | 3 35 | 11 10 | 2 51 | 22 33 | 0 49 | 24 21 | 1 16 | 0 59 | 1 20 | 2 37 | 2 20 | 12 43 | 0 17 | 18 14 | 1 9 | 13 50 | 14 50 | 20 30 | 20 33 | 7 7 | | | n.a. |
| S 7 | 20 30 | 25 43 | 4 23 | 11 25 | 2 44 | 22 48 | 0 51 | 24 16 | 1 16 | 0 59 | 1 20 | 2 39 | 2 20 | 12 44 | 0 17 | 18 14 | 1 9 | 13 50 | 14 50 | 20 30 | 20 32 | 7 4 | | | n.a. |
| S 8 | 20 43 | 22 59 | 4 58 | 11 43 | 2 36 | 23 2 | 0 53 | 24 9 | 1 15 | 0 59 | 1 19 | 2 42 | 2 20 | 12 46 | 0 17 | 18 15 | 1 9 | 13 50 | 14 50 | 20 30 | 20 31 | 7 1 | | | n.a. |
| M 9 | 20 56 | 18 54 | 5 15 | 12 4 | 2 28 | 23 16 | 0 55 | 24 3 | 1 14 | 0 59 | 1 19 | 2 43 | 2 20 | 12 47 | 0 17 | 18 16 | 1 9 | 13 50 | 14 51 | 20 30 | 20 31 | 6 58 | | | n.a. |
| T 10 | 21 8 | 13 44 | 5 14 | 12 25 | 2 20 | 23 29 | 0 57 | 23 57 | 1 14 | 0 59 | 1 19 | 2 45 | 2 20 | 12 48 | 0 17 | 18 16 | 1 9 | 13 49 | 14 51 | 20 30 | 20 30 | 6 55 | | | n.a. |
| W11 | 21 20 | 7 48 | 4 54 | 12 49 | 2 11 | 23 41 | 0 58 | 23 50 | 1 13 | 0 59 | 1 18 | 2 47 | 2 20 | 12 49 | 0 17 | 18 17 | 1 9 | 13 49 | 14 52 | 20 30 | 20 29 | 6 52 | | | n.a. |
| T 12 | 21 31 | 1 24 | 4 16 | 13 13 | 2 2 | 23 53 | 1 0 | 23 43 | 1 13 | 0 59 | 1 18 | 2 49 | 2 20 | 12 50 | 0 17 | 18 17 | 1 9 | 13 49 | 14 52 | 20 30 | 20 28 | 6 49 | | | n.a. |
| F 13 | 21 43 | 5s 5 | 3 21 | 13 39 | 1 54 | 24 4 | 1 2 | 23 36 | 1 12 | 0 59 | 1 18 | 2 51 | 2 21 | 12 51 | 0 17 | 18 18 | 1 9 | 13 49 | 14 52 | 20 31 | 20 28 | 6 46 | | | n.a. |
| S 14 | 21 53 | 11 19 | 2 14 | 14 6 | 1 45 | 24 14 | 1 4 | 23 28 | 1 11 | 0 58 | 1 17 | 2 53 | 2 21 | 12 52 | 0 17 | 18 18 | 1 9 | 13 49 | 14 53 | 20 31 | 20 27 | 6 43 | | | n.a. |
| S 15 | 22 4 | 16 56 | 0 59 | 14 33 | 1 36 | 24 23 | 1 5 | 23 20 | 1 11 | 0 58 | 1 17 | 2 55 | 2 21 | 12 53 | 0 17 | 18 19 | 1 9 | 13 49 | 14 53 | 20 31 | 20 26 | 6 40 | | | n.a. |
| M16 | 22 13 | 21 33 | 0s19 | 15 1 | 1 26 | 24 32 | 1 7 | 23 12 | 1 10 | 0 57 | 1 17 | 2 57 | 2 21 | 12 55 | 0 17 | 18 19 | 1 9 | 13 49 | 14 54 | 20 31 | 20 26 | 6 37 | | | n.a. |
| T 17 | 22 23 | 24 51 | 1 35 | 15 29 | 1 17 | 24 40 | 1 9 | 23 4 | 1 10 | 0 56 | 1 16 | 2 58 | 2 21 | 12 56 | 0 17 | 18 20 | 1 9 | 13 48 | 14 54 | 20 31 | 20 25 | 6 34 | | | n.a. |
| W18 | 22 32 | 26 38 | 2 43 | 15 58 | 1 8 | 24 47 | 1 10 | 22 56 | 1 9 | 0 56 | 1 16 | 3 0 | 2 21 | 12 57 | 0 17 | 18 20 | 1 9 | 13 48 | 14 54 | 20 31 | 20 24 | 6 31 | | | n.a. |
| T 19 | 22 40 | 26 50 | 3 41 | 16 27 | 1 0 | 24 53 | 1 12 | 22 47 | 1 8 | 0 55 | 1 16 | 3 2 | 2 21 | 12 58 | 0 17 | 18 21 | 1 9 | 13 48 | 14 55 | 20 30 | 20 24 | 6 28 | | | n.a. |
| F 20 | 22 48 | 25 33 | 4 25 | 16 56 | 0 51 | 24 59 | 1 13 | 22 38 | 1 8 | 0 54 | 1 15 | 3 3 | 2 22 | 12 59 | 0 17 | 18 22 | 1 9 | 13 48 | 14 55 | 20 30 | 20 23 | 6 25 | | | n.a. |
| S 21 | 22 56 | 23 1 | 4 56 | 17 24 | 0 42 | 25 3 | 1 14 | 22 29 | 1 7 | 0 53 | 1 15 | 3 5 | 2 22 | 13 0 | 0 17 | 18 22 | 1 9 | 13 48 | 14 56 | 20 29 | 20 22 | 6 21 | | | n.a. |
| S 22 | 23 3 | 19 29 | 5 13 | 17 53 | 0 33 | 25 7 | 1 16 | 22 20 | 1 7 | 0 52 | 1 15 | 3 7 | 2 22 | 13 1 | 0 17 | 18 23 | 1 9 | 13 48 | 14 56 | 20 29 | 20 21 | 6 18 | | | n.a. |
| M23 | 23 10 | 15 12 | 5 15 | 18 21 | 0 25 | 25 11 | 1 17 | 22 10 | 1 6 | 0 51 | 1 14 | 3 8 | 2 22 | 13 2 | 0 17 | 18 23 | 1 9 | 13 48 | 14 57 | 20 29 | 20 21 | 6 15 | | | n.a. |
| T 24 | 23 16 | 10 24 | 5 4 | 18 50 | 0 17 | 25 13 | 1 18 | 22 0 | 1 5 | 0 49 | 1 14 | 3 10 | 2 22 | 13 3 | 0 17 | 18 24 | 1 9 | 13 48 | 14 57 | 20 29 | 20 20 | 6 12 | | | n.a. |
| W25 | 23 22 | 5 15 | 4 39 | 19 17 | 0 8 | 25 15 | 1 19 | 21 50 | 1 5 | 0 48 | 1 14 | 3 11 | 2 23 | 13 4 | 0 17 | 18 24 | 1 9 | 13 48 | 14 57 | 20 29 | 20 19 | 6 9 | | | n.a. |
| T 26 | 23 27 | 0n 5 | 4 3 | 19 45 | 0 0 | 25 15 | 1 20 | 21 40 | 1 4 | 0 47 | 1 13 | 3 13 | 2 23 | 13 5 | 0 17 | 18 25 | 1 9 | 13 48 | 14 58 | 20 29 | 20 19 | 6 6 | | | n.a. |
| F 27 | 23 32 | 5 29 | 3 16 | 20 12 | 0s 8 | 25 15 | 1 21 | 21 30 | 1 3 | 0 45 | 1 13 | 3 14 | 2 23 | 13 6 | 0 17 | 18 25 | 1 9 | 13 48 | 14 58 | 20 29 | 20 18 | 6 3 | | | n.a. |
| S 28 | 23 37 | 10 45 | 2 20 | 20 38 | 0 15 | 25 15 | 1 22 | 21 19 | 1 3 | 0 44 | 1 13 | 3 16 | 2 23 | 13 7 | 0 17 | 18 26 | 1 9 | 13 49 | 14 59 | 20 30 | 20 17 | 6 0 | | | n.a. |
| S 29 | 23 41 | 15 43 | 1 16 | 21 4 | 0 23 | 25 13 | 1 23 | 21 9 | 1 2 | 0 42 | 1 12 | 3 17 | 2 23 | 13 8 | 0 17 | 18 26 | 1 9 | 13 49 | 14 59 | 20 30 | 20 16 | 5 57 | | | n.a. |
| M30 | 23 44 | 20 7 | 0 7 | 21 28 | 0 30 | 25 11 | 1 24 | 20 58 | 1 2 | 0 40 | 1 12 | 3 18 | 2 23 | 13 9 | 0 17 | 18 27 | 1 9 | 13 49 | 15 0 | 20 30 | 20 16 | 5 54 | | | n.a. |
| T 31 | 23s47 | 23n40 | 1n 4 | 21s53 | 0s37 | 25s 8 | 1s25 | 20s46 | 1s 1 | 0s39 | 1s12 | 3s20 | 2n24 | 13s10 | 0n17 | 18s27 | 1n 9 | 13n49 | 15n 0 | 20n30 | 20n15 | 5s51 | | | n.a. |

Julian Day Number = 1004771.5, Delta T = 12h46m58s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'32, Lahiri = -31°00'32 Julian Calendar 1 Dec. 1963 BCE == Greg. Calendar 14 Nov. 1963 BCE

The year -1962 astronomical counting style corresponds to year 1963 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## JANUARY 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 34 4 | 25♐ 4'48 | 24♊41 | 4♐56 | 8♉32 | 4♒ 8 | 1♈10 | 13♎48 | 4♏59 | 25♏43 | 29♍41 | 29°R42 | 28♉33 | 26♓ 1 | n.a. | W 1 |
| T 2 | 5 38 0 | 26° 5'20 | 8♋14 | 6°24 | 9°47 | 4°53 | 1°14 | 13°52 | 5° 1 | 25°46 | 29°42 | 29♉39 | 28°30 | 26° 7 | n.a. | T 2 |
| F 3 | 5 41 57 | 27° 5'51 | 22° 2 | 7°53 | 11° 1 | 5°37 | 1°18 | 13°55 | 5° 4 | 25°48 | 29°43 | 29°35 | 28°27 | 26°14 | n.a. | F 3 |
| S 4 | 5 45 53 | 28° 6'19 | 6♌ 3 | 9°24 | 12°16 | 6°21 | 1°22 | 13°59 | 5° 7 | 25°50 | 29°43 | 29°30 | 28°24 | 26°21 | n.a. | S 4 |
| S 5 | 5 49 50 | 29° 6'46 | 20°11 | 10°55 | 13°31 | 7° 6 | 1°27 | 14° 2 | 5° 9 | 25°52 | 29°44 | 29°26 | 28°21 | 26°27 | n.a. | S 5 |
| M 6 | 5 53 47 | 0♉ 7'11 | 4♍23 | 12°27 | 14°45 | 7°50 | 1°31 | 14° 5 | 5°12 | 25°54 | 29°44 | 29°23 | 28°17 | 26°34 | n.a. | M 6 |
| T 7 | 5 57 43 | 1° 7'35 | 18°37 | 14° 1 | 16° 0 | 8°34 | 1°36 | 14° 8 | 5°14 | 25°55 | 29°45 | 29°21 | 28°14 | 26°41 | n.a. | T 7 |
| W 8 | 6 1 40 | 2° 7'57 | 2♎48 | 15°35 | 17°15 | 9°18 | 1°41 | 14°11 | 5°16 | 25°57 | 29°45 | 29°D20 | 28°11 | 26°48 | n.a. | W 8 |
| T 9 | 6 5 36 | 3° 8'17 | 16°56 | 17°10 | 18°29 | 10° 3 | 1°47 | 14°14 | 5°19 | 25°59 | 29°45 | 29°21 | 28° 8 | 26°54 | n.a. | T 9 |
| F 10 | 6 9 33 | 4° 8'36 | 0♏57 | 18°46 | 19°44 | 10°47 | 1°52 | 14°17 | 5°21 | 26° 1 | 29°46 | 29°22 | 28° 5 | 27° 1 | n.a. | F 10 |
| S 11 | 6 13 29 | 5° 8'53 | 14°53 | 20°23 | 20°58 | 11°31 | 1°58 | 14°20 | 5°23 | 26° 3 | 29°46 | 29°23 | 28° 2 | 27° 8 | n.a. | S 11 |
| S 12 | 6 17 26 | 6° 9'09 | 28°40 | 22° 1 | 22°13 | 12°15 | 2° 3 | 14°23 | 5°26 | 26° 5 | 29°46 | 29°R24 | 27°58 | 27°14 | n.a. | S 12 |
| M13 | 6 21 22 | 7° 9'22 | 12♐18 | 23°40 | 23°27 | 12°59 | 2° 9 | 14°25 | 5°28 | 26° 7 | 29°46 | 29°23 | 27°55 | 27°21 | n.a. | M13 |
| T 14 | 6 25 19 | 8° 9'34 | 25°44 | 25°21 | 24°42 | 13°43 | 2°15 | 14°28 | 5°30 | 26° 9 | 29°46 | 29°21 | 27°52 | 27°28 | n.a. | T 14 |
| W15 | 6 29 16 | 9° 9'44 | 8♉59 | 27° 2 | 25°56 | 14°27 | 2°22 | 14°30 | 5°32 | 26°10 | 29°47 | 29°16 | 27°49 | 27°35 | n.a. | W15 |
| T 16 | 6 33 12 | 10° 9'52 | 21°59 | 28°44 | 27°11 | 15°10 | 2°28 | 14°33 | 5°34 | 26°12 | 29°47 | 29°10 | 27°46 | 27°41 | n.a. | T 16 |
| F 17 | 6 37 9 | 11° 9'58 | 4♒43 | 0♉27 | 28°25 | 15°54 | 2°35 | 14°35 | 5°36 | 26°14 | 29°47 | 29° 2 | 27°43 | 27°48 | n.a. | F 17 |
| S 18 | 6 41 5 | 12°10'01 | 17°13 | 2°11 | 29°40 | 16°38 | 2°41 | 14°37 | 5°38 | 26°16 | 29°R47 | 28°54 | 27°39 | 27°55 | n.a. | S 18 |
| S 19 | 6 45 2 | 13°10'03 | 29°29 | 3°57 | 0♒54 | 17°22 | 2°48 | 14°39 | 5°40 | 26°17 | 29°47 | 28°46 | 27°36 | 28° 1 | n.a. | S 19 |
| M20 | 6 48 58 | 14°10'02 | 11♓34 | 5°43 | 2° 8 | 18° 5 | 2°55 | 14°41 | 5°42 | 26°19 | 29°47 | 28°40 | 27°33 | 28° 8 | n.a. | M20 |
| T 21 | 6 52 55 | 15° 9'58 | 23°29 | 7°31 | 3°23 | 18°49 | 3° 2 | 14°43 | 5°44 | 26°21 | 29°47 | 28°35 | 27°30 | 28°15 | n.a. | T 21 |
| W22 | 6 56 51 | 16° 9'52 | 5♈20 | 9°19 | 4°37 | 19°33 | 3°10 | 14°45 | 5°45 | 26°22 | 29°47 | 28°33 | 27°27 | 28°21 | n.a. | W22 |
| T 23 | 7 0 48 | 17° 9'44 | 17°12 | 11° 9 | 5°51 | 20°16 | 3°17 | 14°47 | 5°47 | 26°24 | 29°46 | 28°D32 | 27°23 | 28°28 | n.a. | T 23 |
| F 24 | 7 4 45 | 18° 9'34 | 29° 8 | 13° 0 | 7° 5 | 21° 0 | 3°25 | 14°48 | 5°49 | 26°26 | 29°46 | 28°32 | 27°20 | 28°35 | n.a. | F 24 |
| S 25 | 7 8 41 | 19° 9'21 | 11♉15 | 14°52 | 8°20 | 21°43 | 3°33 | 14°50 | 5°50 | 26°27 | 29°46 | 28°34 | 27°17 | 28°42 | n.a. | S 25 |
| S 26 | 7 12 38 | 20° 9'05 | 23°38 | 16°45 | 9°34 | 22°27 | 3°40 | 14°51 | 5°52 | 26°29 | 29°46 | 28°R35 | 27°14 | 28°48 | n.a. | S 26 |
| M27 | 7 16 34 | 21° 8'48 | 6♊20 | 18°39 | 10°48 | 23°10 | 3°48 | 14°52 | 5°54 | 26°30 | 29°45 | 28°35 | 27°11 | 28°55 | n.a. | M27 |
| T 28 | 7 20 31 | 22° 8'28 | 19°26 | 20°34 | 12° 2 | 23°53 | 3°57 | 14°53 | 5°55 | 26°32 | 29°45 | 28°32 | 27° 8 | 29° 2 | n.a. | T 28 |
| W29 | 7 24 27 | 23° 8'05 | 2♋55 | 22°30 | 13°16 | 24°37 | 4° 5 | 14°55 | 5°56 | 26°33 | 29°45 | 28°28 | 27° 4 | 29° 8 | n.a. | W29 |
| T 30 | 7 28 24 | 24° 7'41 | 16°49 | 24°27 | 14°30 | 25°20 | 4°13 | 14°56 | 5°58 | 26°35 | 29°44 | 28°21 | 27° 1 | 29°15 | n.a. | T 30 |
| F 31 | 7 32 20 | 25♉ 7'14 | 1♌ 3 | 26♉25 | 15♒44 | 26♒ 3 | 4♈22 | 14♎56 | 5♏59 | 26♏36 | 29♍44 | 28♉13 | 26♉58 | 29♓22 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| W 1 | 23 s50 | 26n 1 | 2n13 | 22 s16 | 0 s44 | 25 s 4 | 1 s26 | 20 s35 | 1 s 0 | 0 s37 | 1 s11 | 3 s21 | 2n24 | 13 s10 | 0n17 | 18 s28 | 1n 9 | 13n49 | 15n 1 | 20n30 | 20n14 | 5 s48 | | n.a. | |
| T 2 | 23 52 | 26 55 | 3 16 | 22 39 | 0 51 | 24 59 | 1 26 | 20 24 | 1 0 | 0 35 | 1 11 | 3 22 | 2 24 | 13 11 | 0 17 | 18 28 | 1 9 | 13 49 | 15 1 | 20 29 | 20 14 | 5 44 | | n.a. | |
| F 3 | 23 53 | 26 9 | 4 8 | 23 0 | 0 57 | 24 54 | 1 27 | 20 12 | 0 59 | 0 33 | 1 11 | 3 23 | 2 24 | 13 12 | 0 17 | 18 29 | 1 9 | 13 49 | 15 1 | 20 28 | 20 13 | 5 41 | | n.a. | |
| S 4 | 23 54 | 23 46 | 4 47 | 23 21 | 1 3 | 24 48 | 1 28 | 20 0 | 0 58 | 0 31 | 1 10 | 3 25 | 2 24 | 13 13 | 0 17 | 18 29 | 1 9 | 13 50 | 15 2 | 20 27 | 20 12 | 5 38 | | n.a. | |
| S 5 | 23 55 | 19 54 | 5 8 | 23 40 | 1 9 | 24 41 | 1 28 | 19 48 | 0 58 | 0 29 | 1 10 | 3 26 | 2 25 | 13 14 | 0 17 | 18 30 | 1 9 | 13 50 | 15 2 | 20 26 | 20 11 | 5 35 | | n.a. | |
| M 6 | 23 55 | 14 54 | 5 11 | 23 59 | 1 15 | 24 33 | 1 29 | 19 36 | 0 57 | 0 27 | 1 10 | 3 27 | 2 25 | 13 15 | 0 17 | 18 30 | 1 9 | 13 50 | 15 3 | 20 25 | 20 11 | 5 32 | | n.a. | |
| T 7 | 23 55 | 9 6 | 4 55 | 24 16 | 1 20 | 24 25 | 1 29 | 19 23 | 0 56 | 0 24 | 1 9 | 3 28 | 2 25 | 13 16 | 0 17 | 18 31 | 1 9 | 13 50 | 15 3 | 20 25 | 20 10 | 5 29 | | n.a. | |
| W 8 | 23 54 | 2 50 | 4 21 | 24 32 | 1 25 | 24 16 | 1 29 | 19 11 | 0 56 | 0 22 | 1 9 | 3 29 | 2 25 | 13 16 | 0 17 | 18 31 | 1 9 | 13 51 | 15 4 | 20 25 | 20 9 | 5 26 | | n.a. | |
| T 9 | 23 53 | 3 s32 | 3 31 | 24 47 | 1 30 | 24 6 | 1 30 | 18 58 | 0 55 | 0 20 | 1 9 | 3 30 | 2 25 | 13 17 | 0 17 | 18 31 | 1 9 | 13 51 | 15 4 | 20 25 | 20 9 | 5 23 | | n.a. | |
| F 10 | 23 51 | 9 43 | 2 29 | 25 0 | 1 34 | 23 55 | 1 30 | 18 45 | 0 54 | 0 17 | 1 8 | 3 31 | 2 26 | 13 18 | 0 17 | 18 32 | 1 9 | 13 51 | 15 5 | 20 25 | 20 8 | 5 20 | | n.a. | |
| S 11 | 23 49 | 15 23 | 1 18 | 25 12 | 1 39 | 23 44 | 1 30 | 18 32 | 0 54 | 0 14 | 1 8 | 3 32 | 2 26 | 13 19 | 0 17 | 18 32 | 1 9 | 13 51 | 15 5 | 20 26 | 20 7 | 5 17 | | n.a. | |
| S 12 | 23 46 | 20 12 | 0 4 | 25 23 | 1 42 | 23 31 | 1 30 | 18 19 | 0 53 | 0 12 | 1 8 | 3 33 | 2 26 | 13 19 | 0 17 | 18 33 | 1 9 | 13 52 | 15 6 | 20 26 | 20 6 | 5 13 | | n.a. | |
| M13 | 23 43 | 23 52 | 1 s10 | 25 32 | 1 46 | 23 19 | 1 30 | 18 6 | 0 53 | 0 9 | 1 7 | 3 33 | 2 26 | 13 20 | 0 17 | 18 33 | 1 9 | 13 52 | 15 6 | 20 26 | 20 6 | 5 10 | | n.a. | |
| T 14 | 23 40 | 26 9 | 2 18 | 25 39 | 1 49 | 23 5 | 1 30 | 17 52 | 0 52 | 0 6 | 1 7 | 3 34 | 2 26 | 13 21 | 0 17 | 18 34 | 1 9 | 13 52 | 15 7 | 20 25 | 20 5 | 5 7 | | n.a. | |
| W15 | 23 36 | 26 54 | 3 18 | 25 45 | 1 52 | 22 51 | 1 30 | 17 39 | 0 51 | 0 4 | 1 7 | 3 35 | 2 27 | 13 22 | 0 17 | 18 34 | 1 9 | 13 53 | 15 7 | 20 24 | 20 4 | 5 4 | | n.a. | |
| T 16 | 23 31 | 26 8 | 4 6 | 25 49 | 1 54 | 22 36 | 1 29 | 17 25 | 0 51 | 0 1 | 1 6 | 3 36 | 2 27 | 13 22 | 0 17 | 18 34 | 1 9 | 13 53 | 15 7 | 20 22 | 20 3 | 5 1 | | n.a. | |
| F 17 | 23 26 | 24 1 | 4 41 | 25 52 | 1 56 | 22 21 | 1 29 | 17 11 | 0 50 | 0n 2 | 1 6 | 3 36 | 2 27 | 13 23 | 0 17 | 18 35 | 1 9 | 13 54 | 15 8 | 20 21 | 20 3 | 4 58 | | n.a. | |
| S 18 | 23 21 | 20 46 | 5 2 | 25 52 | 1 58 | 22 4 | 1 29 | 16 57 | 0 49 | 0 5 | 1 6 | 3 37 | 2 27 | 13 24 | 0 17 | 18 35 | 1 9 | 13 54 | 15 8 | 20 19 | 20 2 | 4 55 | | n.a. | |
| S 19 | 23 15 | 16 40 | 5 8 | 25 51 | 1 59 | 21 48 | 1 28 | 16 43 | 0 49 | 0 8 | 1 6 | 3 38 | 2 28 | 13 24 | 0 17 | 18 36 | 1 9 | 13 54 | 15 9 | 20 17 | 20 1 | 4 52 | | n.a. | |
| M20 | 23 9 | 11 59 | 5 1 | 25 48 | 2 0 | 21 30 | 1 28 | 16 28 | 0 48 | 0 11 | 1 5 | 3 38 | 2 28 | 13 25 | 0 17 | 18 36 | 1 9 | 13 55 | 15 9 | 20 16 | 20 1 | 4 48 | | n.a. | |
| T 21 | 23 2 | 6 54 | 4 40 | 25 42 | 2 0 | 21 12 | 1 27 | 16 14 | 0 47 | 0 14 | 1 5 | 3 39 | 2 28 | 13 26 | 0 17 | 18 36 | 1 9 | 13 55 | 15 10 | 20 15 | 20 0 | 4 45 | | n.a. | |
| W22 | 22 55 | 1 36 | 4 7 | 25 35 | 2 0 | 20 54 | 1 27 | 15 59 | 0 47 | 0 18 | 1 5 | 3 39 | 2 28 | 13 26 | 0 17 | 18 37 | 1 9 | 13 56 | 15 10 | 20 14 | 19 59 | 4 42 | | n.a. | |
| T 23 | 22 48 | 3n45 | 3 24 | 25 26 | 2 0 | 20 34 | 1 26 | 15 45 | 0 46 | 0 21 | 1 4 | 3 40 | 2 28 | 13 27 | 0 17 | 18 37 | 1 9 | 13 56 | 15 11 | 20 14 | 19 58 | 4 39 | | n.a. | |
| F 24 | 22 40 | 9 2 | 2 32 | 25 14 | 1 58 | 20 14 | 1 25 | 15 30 | 0 45 | 0 24 | 1 4 | 3 40 | 2 29 | 13 27 | 0 17 | 18 37 | 1 9 | 13 57 | 15 11 | 20 14 | 19 58 | 4 36 | | n.a. | |
| S 25 | 22 31 | 14 3 | 1 32 | 25 1 | 1 57 | 19 54 | 1 24 | 15 15 | 0 45 | 0 28 | 1 4 | 3 41 | 2 29 | 13 28 | 0 17 | 18 38 | 1 9 | 13 57 | 15 11 | 20 14 | 19 57 | 4 33 | | n.a. | |
| S 26 | 22 22 | 18 38 | 0 27 | 24 45 | 1 55 | 19 33 | 1 23 | 15 0 | 0 44 | 0 31 | 1 4 | 3 41 | 2 29 | 13 28 | 0 17 | 18 38 | 1 9 | 13 58 | 15 12 | 20 15 | 19 56 | 4 30 | | n.a. | |
| M27 | 22 13 | 22 29 | 0n42 | 24 26 | 1 52 | 19 12 | 1 22 | 14 45 | 0 43 | 0 35 | 1 3 | 3 41 | 2 29 | 13 29 | 0 17 | 18 38 | 1 9 | 13 58 | 15 12 | 20 15 | 19 55 | 4 27 | | n.a. | |
| T 28 | 22 4 | 25 19 | 1 50 | 24 6 | 1 49 | 18 50 | 1 21 | 14 30 | 0 43 | 0 38 | 1 3 | 3 41 | 2 30 | 13 29 | 0 17 | 18 39 | 1 9 | 13 59 | 15 13 | 20 14 | 19 55 | 4 23 | | n.a. | |
| W29 | 21 54 | 26 47 | 2 53 | 23 43 | 1 45 | 18 27 | 1 20 | 14 14 | 0 42 | 0 42 | 1 3 | 3 42 | 2 30 | 13 30 | 0 17 | 18 39 | 1 9 | 13 59 | 15 13 | 20 13 | 19 54 | 4 20 | | n.a. | |
| T 30 | 21 43 | 26 37 | 3 49 | 23 18 | 1 40 | 18 4 | 1 19 | 13 59 | 0 41 | 0 45 | 1 3 | 3 42 | 2 30 | 13 30 | 0 17 | 18 39 | 1 9 | 14 0 | 15 14 | 20 12 | 19 53 | 4 17 | | n.a. | |
| F 31 | 21 s32 | 24n44 | 4n31 | 22 s51 | 1 s35 | 17 s41 | 1 s18 | 13 s43 | 0 s41 | 0n49 | 1 s 2 | 3 s42 | 2n30 | 13 s31 | 0n17 | 18 s40 | 1n 9 | 14n 0 | 15n14 | 20n10 | 19n52 | 4 s14 | | n.a. | |

Julian Day Number = 1004802.5, Delta T = 12h46m56s
Ecliptic obliquity = 23°55'17, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'28, Lahiri = -31°00'28 Julian Calendar 1 Jan. 1962 BCE == Greg. Calendar 15 Dec. 1963 BCE

The year -1961 astronomical counting style corresponds to year 1962 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## FEBRUARY 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 36 17 | 26♉ 6'45 | 15♌32 | 28♉24 | 16♒58 | 26♒46 | 4♈31 | 14♎57 | 6♏ 0 | 26♏37 | 29°R44 | 28°R 4 | 26♉55 | 29♓29 | n.a. | S 1 |
| S 2 | 7 40 13 | 27° 6'14 | 0♍ 9 | 0♒24 | 18°12 | 27°29 | 4°39 | 14°58 | 6° 2 | 26°39 | 29♍43 | 27♉54 | 26°52 | 29°35 | n.a. | S 2 |
| M 3 | 7 44 10 | 28° 5'40 | 14°47 | 2°24 | 19°26 | 28°12 | 4°48 | 14°59 | 6° 3 | 26°40 | 29°43 | 27°47 | 26°49 | 29°42 | n.a. | M 3 |
| T 4 | 7 48 7 | 29° 5'05 | 29°20 | 4°24 | 20°39 | 28°55 | 4°57 | 14°59 | 6° 4 | 26°41 | 29°42 | 27°41 | 26°45 | 29°49 | n.a. | T 4 |
| W 5 | 7 52 3 | 0♒ 4'28 | 13♎42 | 6°25 | 21°53 | 29°38 | 5° 7 | 14°59 | 6° 5 | 26°43 | 29°41 | 27°38 | 26°42 | 29°55 | n.a. | W 5 |
| T 6 | 7 56 0 | 1° 3'48 | 27°51 | 8°25 | 23° 7 | 0♓21 | 5°16 | 15° 0 | 6° 6 | 26°44 | 29°41 | 27°D36 | 26°39 | 0♈ 2 | n.a. | T 6 |
| F 7 | 7 59 56 | 2° 3'07 | 11♏45 | 10°25 | 24°21 | 1° 4 | 5°25 | 15° 0 | 6° 7 | 26°45 | 29°40 | 27°37 | 26°36 | 0° 9 | n.a. | F 7 |
| S 8 | 8 3 53 | 3° 2'24 | 25°25 | 12°25 | 25°34 | 1°47 | 5°35 | 15° 0 | 6° 8 | 26°46 | 29°39 | 27°R37 | 26°33 | 0°15 | n.a. | S 8 |
| S 9 | 8 7 49 | 4° 1'40 | 8♐52 | 14°24 | 26°48 | 2°30 | 5°45 | 15°R 0 | 6° 9 | 26°47 | 29°39 | 27°37 | 26°29 | 0°22 | n.a. | S 9 |
| M10 | 8 11 46 | 5° 0'53 | 22° 6 | 16°21 | 28° 2 | 3°12 | 5°54 | 15° 0 | 6°10 | 26°49 | 29°38 | 27°34 | 26°26 | 0°29 | n.a. | M10 |
| T 11 | 8 15 42 | 6° 0'04 | 5♑ 9 | 18°17 | 29°15 | 3°55 | 6° 4 | 15° 0 | 6°11 | 26°50 | 29°37 | 27°29 | 26°23 | 0°36 | n.a. | T 11 |
| W12 | 8 19 39 | 6°59'13 | 18° 2 | 20°11 | 0♓29 | 4°38 | 6°14 | 15° 0 | 6°11 | 26°51 | 29°36 | 27°21 | 26°20 | 0°42 | n.a. | W12 |
| T 13 | 8 23 35 | 7°58'21 | 0♒43 | 22° 2 | 1°42 | 5°20 | 6°24 | 14°59 | 6°12 | 26°52 | 29°36 | 27°10 | 26°17 | 0°49 | n.a. | T 13 |
| F 14 | 8 27 32 | 8°57'25 | 13°13 | 23°51 | 2°56 | 6° 3 | 6°34 | 14°59 | 6°13 | 26°53 | 29°35 | 26°58 | 26°14 | 0°56 | n.a. | F 14 |
| S 15 | 8 31 29 | 9°56'28 | 25°32 | 25°36 | 4° 9 | 6°46 | 6°45 | 14°58 | 6°13 | 26°54 | 29°34 | 26°45 | 26°10 | 1° 2 | n.a. | S 15 |
| S 16 | 8 35 25 | 10°55'28 | 7♓42 | 27°18 | 5°23 | 7°28 | 6°55 | 14°57 | 6°14 | 26°55 | 29°33 | 26°32 | 26° 7 | 1° 9 | n.a. | S 16 |
| M17 | 8 39 22 | 11°54'26 | 19°42 | 28°55 | 6°36 | 8°10 | 7° 6 | 14°57 | 6°14 | 26°56 | 29°32 | 26°20 | 26° 4 | 1°16 | n.a. | M17 |
| T 18 | 8 43 18 | 12°53'22 | 1♈35 | 0♓28 | 7°49 | 8°53 | 7°16 | 14°56 | 6°15 | 26°57 | 29°31 | 26°11 | 26° 1 | 1°22 | n.a. | T 18 |
| W19 | 8 47 15 | 13°52'15 | 13°24 | 1°57 | 9° 2 | 9°35 | 7°27 | 14°55 | 6°15 | 26°57 | 29°30 | 26° 5 | 25°58 | 1°29 | n.a. | W19 |
| T 20 | 8 51 11 | 14°51'06 | 25°14 | 3°20 | 10°16 | 10°17 | 7°38 | 14°54 | 6°15 | 26°58 | 29°29 | 26° 1 | 25°55 | 1°36 | n.a. | T 20 |
| F 21 | 8 55 8 | 15°49'54 | 7♉ 9 | 4°39 | 11°29 | 11° 0 | 7°49 | 14°53 | 6°16 | 26°59 | 29°28 | 26° 0 | 25°51 | 1°43 | n.a. | F 21 |
| S 22 | 8 59 4 | 16°48'40 | 19°13 | 5°51 | 12°42 | 11°42 | 8° 0 | 14°51 | 6°16 | 27° 0 | 29°27 | 26° 0 | 25°48 | 1°49 | n.a. | S 22 |
| S 23 | 9 3 1 | 17°47'24 | 1♊33 | 6°58 | 13°55 | 12°24 | 8°11 | 14°50 | 6°16 | 27° 0 | 29°26 | 26° 0 | 25°45 | 1°56 | n.a. | S 23 |
| M24 | 9 6 57 | 18°46'05 | 14°14 | 8° 0 | 15° 8 | 13° 6 | 8°22 | 14°49 | 6°16 | 27° 1 | 29°25 | 25°59 | 25°42 | 2° 3 | n.a. | M24 |
| T 25 | 9 10 54 | 19°44'44 | 27°20 | 8°55 | 16°21 | 13°48 | 8°33 | 14°47 | 6°16 | 27° 2 | 29°23 | 25°56 | 25°39 | 2° 9 | n.a. | T 25 |
| W26 | 9 14 51 | 20°43'20 | 10♋54 | 9°44 | 17°34 | 14°30 | 8°44 | 14°45 | 6°R16 | 27° 2 | 29°22 | 25°50 | 25°35 | 2°16 | n.a. | W26 |
| T 27 | 9 18 47 | 21°41'55 | 24°56 | 10°26 | 18°47 | 15°12 | 8°56 | 14°44 | 6°16 | 27° 3 | 29°21 | 25°42 | 25°32 | 2°23 | n.a. | T 27 |
| F 28 | 9 22 44 | 22♒40'26 | 9♌24 | 11♓ 3 | 20♓ 0 | 15♓54 | 9♈ 7 | 14♎42 | 6♏16 | 27♏ 4 | 29♍20 | 25♉32 | 25♉29 | 2♈29 | n.a. | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s21 | 21n13 | 4n57 | 22s22 | 1s30 | 17s17 | 1s17 | 13s28 | 0s40 | 0n53 | 1s 2 | 3s42 | 2n30 | 13s31 | 0n17 | 18s40 | 1n 9 | 14n 1 | 15n14 | 20n 8 | 19n52 | 4s11 | | n.a. |
| S 2 | 21 9 | 16 22 | 5 4 | 21 50 | 1 23 | 16 52 | 1 15 | 13 12 | 0 39 | 0 57 | 1 2 | 3 42 | 2 31 | 13 32 | 0 17 | 18 40 | 1 9 | 14 1 | 15 15 | 20 6 | 19 51 | 4 8 | | n.a. |
| M 3 | 20 58 | 10 34 | 4 51 | 21 16 | 1 16 | 16 27 | 1 14 | 12 56 | 0 39 | 1 1 | 1 1 | 3 42 | 2 31 | 13 32 | 0 17 | 18 41 | 1 9 | 14 2 | 15 15 | 20 4 | 19 50 | 4 4 | | n.a. |
| T 4 | 20 45 | 4 13 | 4 19 | 20 40 | 1 9 | 16 2 | 1 12 | 12 40 | 0 38 | 1 4 | 1 1 | 3 42 | 2 31 | 13 32 | 0 17 | 18 41 | 1 10 | 14 3 | 15 16 | 20 2 | 19 49 | 4 1 | | n.a. |
| W 5 | 20 32 | 2s16 | 3 32 | 20 2 | 1 1 | 15 36 | 1 11 | 12 24 | 0 37 | 1 8 | 1 1 | 3 42 | 2 31 | 13 33 | 0 17 | 18 41 | 1 10 | 14 3 | 15 16 | 20 2 | 19 49 | 3 58 | | n.a. |
| T 6 | 20 19 | 8 34 | 2 32 | 19 22 | 0 52 | 15 10 | 1 9 | 12 8 | 0 37 | 1 12 | 1 1 | 3 42 | 2 31 | 13 33 | 0 17 | 18 41 | 1 10 | 14 4 | 15 16 | 20 1 | 19 48 | 3 55 | | n.a. |
| F 7 | 20 6 | 14 21 | 1 24 | 18 40 | 0 43 | 14 44 | 1 7 | 11 52 | 0 36 | 1 16 | 1 0 | 3 42 | 2 32 | 13 33 | 0 17 | 18 42 | 1 10 | 14 4 | 15 17 | 20 1 | 19 47 | 3 52 | | n.a. |
| S 8 | 19 52 | 19 19 | 0 12 | 17 56 | 0 33 | 14 17 | 1 6 | 11 36 | 0 35 | 1 21 | 1 0 | 3 42 | 2 32 | 13 34 | 0 17 | 18 42 | 1 10 | 14 5 | 15 17 | 20 2 | 19 46 | 3 49 | | n.a. |
| S 9 | 19 38 | 23 12 | 0s59 | 17 12 | 0 22 | 13 50 | 1 4 | 11 20 | 0 35 | 1 25 | 1 0 | 3 42 | 2 32 | 13 34 | 0 17 | 18 42 | 1 10 | 14 6 | 15 18 | 20 1 | 19 46 | 3 45 | | n.a. |
| M10 | 19 24 | 25 47 | 2 6 | 16 26 | 0 11 | 13 22 | 1 2 | 11 4 | 0 34 | 1 29 | 1 0 | 3 41 | 2 32 | 13 34 | 0 17 | 18 42 | 1 10 | 14 6 | 15 18 | 20 1 | 19 45 | 3 42 | | n.a. |
| T 11 | 19 9 | 26 54 | 3 5 | 15 39 | 0n 0 | 12 54 | 1 0 | 10 47 | 0 33 | 1 33 | 1 0 | 3 41 | 2 33 | 13 35 | 0 17 | 18 43 | 1 10 | 14 7 | 15 18 | 20 0 | 19 44 | 3 39 | | n.a. |
| W12 | 18 54 | 26 32 | 3 54 | 14 52 | 0 12 | 12 26 | 0 58 | 10 31 | 0 33 | 1 37 | 0 59 | 3 41 | 2 33 | 13 35 | 0 17 | 18 43 | 1 10 | 14 8 | 15 19 | 19 58 | 19 43 | 3 36 | | n.a. |
| T 13 | 18 38 | 24 47 | 4 30 | 14 4 | 0 24 | 11 57 | 0 56 | 10 14 | 0 32 | 1 42 | 0 59 | 3 40 | 2 33 | 13 35 | 0 17 | 18 43 | 1 10 | 14 8 | 15 19 | 19 55 | 19 43 | 3 33 | | n.a. |
| F 14 | 18 23 | 21 51 | 4 52 | 13 16 | 0 37 | 11 28 | 0 54 | 9 58 | 0 31 | 1 46 | 0 59 | 3 40 | 2 33 | 13 35 | 0 17 | 18 43 | 1 10 | 14 9 | 15 20 | 19 52 | 19 42 | 3 30 | | n.a. |
| S 15 | 18 7 | 17 58 | 5 1 | 12 28 | 0 49 | 10 59 | 0 52 | 9 41 | 0 31 | 1 50 | 0 59 | 3 40 | 2 33 | 13 35 | 0 17 | 18 44 | 1 10 | 14 10 | 15 20 | 19 49 | 19 41 | 3 26 | | n.a. |
| S 16 | 17 50 | 13 24 | 4 55 | 11 41 | 1 2 | 10 30 | 0 50 | 9 24 | 0 30 | 1 55 | 0 58 | 3 39 | 2 34 | 13 36 | 0 17 | 18 44 | 1 10 | 14 10 | 15 20 | 19 46 | 19 40 | 3 23 | | n.a. |
| M17 | 17 34 | 8 23 | 4 37 | 10 55 | 1 14 | 10 0 | 0 48 | 9 7 | 0 29 | 1 59 | 0 58 | 3 39 | 2 34 | 13 36 | 0 17 | 18 44 | 1 10 | 14 11 | 15 21 | 19 44 | 19 40 | 3 20 | | n.a. |
| T 18 | 17 17 | 3 6 | 4 6 | 10 10 | 1 27 | 9 30 | 0 45 | 8 51 | 0 29 | 2 4 | 0 58 | 3 38 | 2 34 | 13 36 | 0 17 | 18 44 | 1 10 | 14 12 | 15 21 | 19 41 | 19 39 | 3 17 | | n.a. |
| W19 | 17 0 | 2n15 | 3 25 | 9 27 | 1 39 | 9 0 | 0 43 | 8 34 | 0 28 | 2 8 | 0 58 | 3 38 | 2 34 | 13 36 | 0 17 | 18 44 | 1 10 | 14 12 | 15 21 | 19 40 | 19 38 | 3 14 | | n.a. |
| T 20 | 16 42 | 7 33 | 2 35 | 8 45 | 1 52 | 8 30 | 0 41 | 8 17 | 0 27 | 2 13 | 0 57 | 3 37 | 2 34 | 13 36 | 0 17 | 18 44 | 1 10 | 14 13 | 15 22 | 19 39 | 19 37 | 3 11 | | n.a. |
| F 21 | 16 25 | 12 38 | 1 38 | 8 5 | 2 3 | 7 59 | 0 38 | 8 0 | 0 27 | 2 17 | 0 57 | 3 36 | 2 35 | 13 36 | 0 17 | 18 45 | 1 10 | 14 14 | 15 22 | 19 39 | 19 37 | 3 7 | | n.a. |
| S 22 | 16 7 | 17 19 | 0 36 | 7 28 | 2 15 | 7 29 | 0 36 | 7 43 | 0 26 | 2 22 | 0 57 | 3 36 | 2 35 | 13 36 | 0 17 | 18 45 | 1 10 | 14 15 | 15 22 | 19 39 | 19 36 | 3 4 | | n.a. |
| S 23 | 15 49 | 21 22 | 0n29 | 6 53 | 2 25 | 6 58 | 0 33 | 7 26 | 0 26 | 2 26 | 0 57 | 3 35 | 2 35 | 13 36 | 0 17 | 18 45 | 1 10 | 14 15 | 15 22 | 19 39 | 19 35 | 3 1 | | n.a. |
| M24 | 15 30 | 24 32 | 1 35 | 6 20 | 2 36 | 6 27 | 0 31 | 7 9 | 0 25 | 2 31 | 0 57 | 3 34 | 2 35 | 13 36 | 0 17 | 18 45 | 1 10 | 14 16 | 15 23 | 19 38 | 19 34 | 2 58 | | n.a. |
| T 25 | 15 11 | 26 31 | 2 38 | 5 51 | 2 45 | 5 55 | 0 28 | 6 52 | 0 24 | 2 36 | 0 56 | 3 33 | 2 35 | 13 36 | 0 17 | 18 45 | 1 10 | 14 17 | 15 23 | 19 38 | 19 33 | 2 55 | | n.a. |
| W26 | 14 52 | 27 1 | 3 33 | 5 24 | 2 54 | 5 24 | 0 26 | 6 35 | 0 24 | 2 40 | 0 56 | 3 33 | 2 36 | 13 36 | 0 17 | 18 45 | 1 10 | 14 18 | 15 23 | 19 36 | 19 33 | 2 51 | | n.a. |
| T 27 | 14 33 | 25 48 | 4 18 | 5 0 | 3 2 | 4 53 | 0 23 | 6 18 | 0 23 | 2 45 | 0 56 | 3 32 | 2 36 | 13 36 | 0 17 | 18 45 | 1 10 | 14 18 | 15 24 | 19 34 | 19 32 | 2 48 | | n.a. |
| F 28 | 14s14 | 22n53 | 4n48 | 4s40 | 3n 9 | 4s21 | 0s20 | 6s 0 | 0s22 | 2n50 | 0s56 | 3s31 | 2n36 | 13s36 | 0n17 | 18s46 | 1n10 | 14n19 | 15n24 | 19n32 | 19n31 | 2s45 | | n.a. |

Julian Day Number = 1004833.5, Delta T = 12h46m54s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'24, Lahiri = -31°00'23 Julian Calendar 1 Feb. 1962 BCE == Greg. Calendar 15 Jan. 1962 BCE


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## MARCH 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 26 40 | 23♒38'56 | 24♌13 | 11♓33 | 21♓12 | 16♓36 | 9♈19 | 14°R40 | 6°R16 | 27♏ 4 | 29°R19 | 25°R21 | 25♉26 | 2♈36 | n.a. | S 1 |
| S 2 | 9 30 37 | 24°37'24 | 9♍13 | 11°56 | 22°25 | 17°18 | 9°30 | 14♎38 | 6♏16 | 27° 5 | 29♍17 | 25♉10 | 25°23 | 2°43 | n.a. | S 2 |
| M 3 | 9 34 33 | 25°35'49 | 24°16 | 12°14 | 23°38 | 18° 0 | 9°42 | 14°36 | 6°16 | 27° 5 | 29°16 | 25° 0 | 25°20 | 2°49 | n.a. | M 3 |
| T 4 | 9 38 30 | 26°34'13 | 9♎11 | 12°25 | 24°50 | 18°42 | 9°54 | 14°34 | 6°15 | 27° 5 | 29°15 | 24°53 | 25°16 | 2°56 | n.a. | T 4 |
| W 5 | 9 42 26 | 27°32'35 | 23°52 | 12°R29 | 26° 3 | 19°23 | 10° 6 | 14°32 | 6°15 | 27° 6 | 29°13 | 24°48 | 25°13 | 3° 3 | n.a. | W 5 |
| T 6 | 9 46 23 | 28°30'55 | 8♏13 | 12°28 | 27°15 | 20° 5 | 10°18 | 14°29 | 6°15 | 27° 6 | 29°12 | 24°46 | 25°10 | 3°10 | n.a. | T 6 |
| F 7 | 9 50 19 | 29°29'14 | 22°12 | 12°21 | 28°28 | 20°47 | 10°30 | 14°27 | 6°14 | 27° 7 | 29°11 | 24°45 | 25° 7 | 3°16 | n.a. | F 7 |
| S 8 | 9 54 16 | 0♓27'31 | 5♐50 | 12° 9 | 29°40 | 21°28 | 10°42 | 14°24 | 6°14 | 27° 7 | 29° 9 | 24°45 | 25° 4 | 3°23 | n.a. | S 8 |
| S 9 | 9 58 13 | 1°25'46 | 19° 9 | 11°51 | 0♈53 | 22°10 | 10°54 | 14°22 | 6°13 | 27° 7 | 29° 8 | 24°44 | 25° 1 | 3°30 | n.a. | S 9 |
| M10 | 10 2 9 | 2°24'00 | 2♑11 | 11°28 | 2° 5 | 22°51 | 11° 6 | 14°19 | 6°13 | 27° 7 | 29° 6 | 24°42 | 24°57 | 3°36 | n.a. | M10 |
| T 11 | 10 6 6 | 3°22'12 | 14°58 | 11° 2 | 3°17 | 23°33 | 11°18 | 14°17 | 6°12 | 27° 8 | 29° 5 | 24°36 | 24°54 | 3°43 | n.a. | T 11 |
| W12 | 10 10 2 | 4°20'22 | 27°33 | 10°31 | 4°29 | 24°14 | 11°31 | 14°14 | 6°11 | 27° 8 | 29° 4 | 24°28 | 24°51 | 3°50 | n.a. | W12 |
| T 13 | 10 13 59 | 5°18'31 | 9♒58 | 9°57 | 5°41 | 24°56 | 11°43 | 14°11 | 6°11 | 27° 8 | 29° 2 | 24°17 | 24°48 | 3°56 | n.a. | T 13 |
| F 14 | 10 17 55 | 6°16'37 | 22°13 | 9°21 | 6°54 | 25°37 | 11°56 | 14° 8 | 6°10 | 27° 8 | 29° 1 | 24° 4 | 24°45 | 4° 3 | n.a. | F 14 |
| S 15 | 10 21 52 | 7°14'42 | 4♓21 | 8°43 | 8° 6 | 26°18 | 12° 8 | 14° 5 | 6° 9 | 27° 8 | 28°59 | 23°51 | 24°41 | 4°10 | n.a. | S 15 |
| S 16 | 10 25 48 | 8°12'45 | 16°21 | 8° 4 | 9°17 | 26°59 | 12°21 | 14° 2 | 6° 8 | 27° 8 | 28°58 | 23°38 | 24°38 | 4°17 | n.a. | S 16 |
| M17 | 10 29 45 | 9°10'46 | 28°15 | 7°24 | 10°29 | 27°41 | 12°33 | 13°59 | 6° 7 | 27°R 8 | 28°56 | 23°26 | 24°35 | 4°23 | n.a. | M17 |
| T 18 | 10 33 41 | 10° 8'46 | 10♈ 6 | 6°45 | 11°41 | 28°22 | 12°46 | 13°56 | 6° 6 | 27° 8 | 28°54 | 23°16 | 24°32 | 4°30 | n.a. | T 18 |
| W19 | 10 37 38 | 11° 6'43 | 21°54 | 6° 7 | 12°53 | 29° 3 | 12°59 | 13°52 | 6° 5 | 27° 8 | 28°53 | 23°10 | 24°29 | 4°37 | n.a. | W19 |
| T 20 | 10 41 35 | 12° 4'39 | 3♉44 | 5°30 | 14° 5 | 29°44 | 13°11 | 13°49 | 6° 4 | 27° 8 | 28°51 | 23° 6 | 24°26 | 4°43 | n.a. | T 20 |
| F 21 | 10 45 31 | 13° 2'32 | 15°38 | 4°56 | 15°16 | 0♈25 | 13°24 | 13°45 | 6° 3 | 27° 8 | 28°50 | 23° 4 | 24°22 | 4°50 | n.a. | F 21 |
| S 22 | 10 49 28 | 14° 0'24 | 27°42 | 4°24 | 16°28 | 1° 6 | 13°37 | 13°42 | 6° 2 | 27° 8 | 28°48 | 23°D 4 | 24°19 | 4°57 | n.a. | S 22 |
| S 23 | 10 53 24 | 14°58'14 | 10♊ 0 | 3°55 | 17°39 | 1°47 | 13°50 | 13°38 | 6° 1 | 27° 7 | 28°47 | 23°R 4 | 24°16 | 5° 3 | n.a. | S 23 |
| M24 | 10 57 21 | 15°56'02 | 22°38 | 3°31 | 18°51 | 2°28 | 14° 3 | 13°35 | 5°59 | 27° 7 | 28°45 | 23° 4 | 24°13 | 5°10 | n.a. | M24 |
| T 25 | 11 1 17 | 16°53'48 | 5♋40 | 3°10 | 20° 2 | 3° 9 | 14°16 | 13°31 | 5°58 | 27° 7 | 28°43 | 23° 2 | 24°10 | 5°17 | n.a. | T 25 |
| W26 | 11 5 14 | 17°51'32 | 19°10 | 2°53 | 21°14 | 3°50 | 14°29 | 13°28 | 5°57 | 27° 7 | 28°42 | 22°59 | 24° 6 | 5°23 | n.a. | W26 |
| T 27 | 11 9 10 | 18°49'14 | 3♌10 | 2°40 | 22°25 | 4°31 | 14°42 | 13°24 | 5°55 | 27° 6 | 28°40 | 22°53 | 24° 3 | 5°30 | n.a. | T 27 |
| F 28 | 11 13 7 | 19°46'55 | 17°38 | 2°33 | 23°36 | 5°11 | 14°55 | 13°20 | 5°54 | 27° 6 | 28°38 | 22°45 | 24° 0 | 5°37 | n.a. | F 28 |
| S 29 | 11 17 4 | 20°44'33 | 2♍31 | 2°D29 | 24°47 | 5°52 | 15° 8 | 13°16 | 5°53 | 27° 6 | 28°37 | 22°36 | 23°57 | 5°44 | n.a. | S 29 |
| S 30 | 11 21 0 | 21°42'10 | 17°41 | 2°31 | 25°58 | 6°33 | 15°22 | 13°12 | 5°51 | 27° 5 | 28°35 | 22°27 | 23°54 | 5°50 | n.a. | S 30 |
| M31 | 11 24 57 | 22♓39'46 | 2♎57 | 2♓37 | 27♈ 9 | 7♈14 | 15♈35 | 13♎ 8 | 5♏50 | 27♏ 5 | 28♍33 | 22♉19 | 23♉51 | 5♈57 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 13s54 | 18n25 | 5n 0 | 4s23 | 3n14 | 3s49 | 0s18 | 5s43 | 0s22 | 2n55 | 0s56 | 3s30 | 2n36 | 13s36 | 0n17 | 18s46 | 1n10 | 14n20 | 15n24 | 19n29 | 19n30 | 2s42 | | n.a. |
| S 2 | 13 35 | 12 45 | 4 51 | 4 10 | 3 19 | 3 18 | 0 15 | 5 26 | 0 21 | 3 0 | 0 55 | 3 29 | 2 36 | 13 36 | 0 17 | 18 46 | 1 10 | 14 20 | 15 24 | 19 26 | 19 30 | 2 39 | | n.a. |
| M 3 | 13 15 | 6 19 | 4 22 | 4 0 | 3 23 | 2 46 | 0 12 | 5 9 | 0 20 | 3 5 | 0 55 | 3 28 | 2 37 | 13 36 | 0 17 | 18 46 | 1 10 | 14 21 | 15 25 | 19 24 | 19 29 | 2 35 | | n.a. |
| T 4 | 12 54 | 0s25 | 3 36 | 3 53 | 3 25 | 2 14 | 0 9 | 4 52 | 0 20 | 3 9 | 0 55 | 3 27 | 2 37 | 13 36 | 0 17 | 18 46 | 1 10 | 14 22 | 15 25 | 19 22 | 19 28 | 2 32 | | n.a. |
| W 5 | 12 34 | 7 3 | 2 35 | 3 50 | 3 26 | 1 42 | 0 6 | 4 34 | 0 19 | 3 14 | 0 55 | 3 26 | 2 37 | 13 36 | 0 17 | 18 46 | 1 10 | 14 23 | 15 25 | 19 21 | 19 27 | 2 29 | | n.a. |
| T 6 | 12 14 | 13 10 | 1 26 | 3 51 | 3 26 | 1 10 | 0 4 | 4 17 | 0 18 | 3 19 | 0 55 | 3 25 | 2 37 | 13 36 | 0 17 | 18 46 | 1 10 | 14 23 | 15 25 | 19 20 | 19 26 | 2 26 | | n.a. |
| F 7 | 11 53 | 18 28 | 0 13 | 3 55 | 3 25 | 0 38 | 0 1 | 4 0 | 0 18 | 3 24 | 0 54 | 3 24 | 2 37 | 13 36 | 0 17 | 18 46 | 1 10 | 14 24 | 15 26 | 19 20 | 19 26 | 2 23 | | n.a. |
| S 8 | 11 32 | 22 40 | 0s58 | 4 3 | 3 22 | 0 6 | 0n 2 | 3 43 | 0 17 | 3 29 | 0 54 | 3 23 | 2 37 | 13 35 | 0 17 | 18 46 | 1 10 | 14 25 | 15 26 | 19 20 | 19 25 | 2 19 | | n.a. |
| S 9 | 11 11 | 25 33 | 2 5 | 4 14 | 3 17 | 0n26 | 0 5 | 3 25 | 0 16 | 3 34 | 0 54 | 3 22 | 2 38 | 13 35 | 0 17 | 18 46 | 1 10 | 14 26 | 15 26 | 19 20 | 19 24 | 2 16 | | n.a. |
| M10 | 10 50 | 26 58 | 3 4 | 4 28 | 3 11 | 0 58 | 0 8 | 3 8 | 0 16 | 3 39 | 0 54 | 3 20 | 2 38 | 13 35 | 0 17 | 18 46 | 1 10 | 14 26 | 15 26 | 19 19 | 19 23 | 2 13 | | n.a. |
| T 11 | 10 28 | 26 54 | 3 52 | 4 45 | 3 4 | 1 30 | 0 11 | 2 51 | 0 15 | 3 44 | 0 54 | 3 19 | 2 38 | 13 35 | 0 17 | 18 46 | 1 10 | 14 27 | 15 26 | 19 18 | 19 23 | 2 10 | | n.a. |
| W12 | 10 7 | 25 27 | 4 28 | 5 5 | 2 55 | 2 2 | 0 14 | 2 33 | 0 15 | 3 49 | 0 54 | 3 18 | 2 38 | 13 35 | 0 17 | 18 46 | 1 10 | 14 28 | 15 27 | 19 16 | 19 22 | 2 7 | | n.a. |
| T 13 | 9 45 | 22 46 | 4 51 | 5 27 | 2 45 | 2 34 | 0 17 | 2 16 | 0 14 | 3 54 | 0 53 | 3 17 | 2 38 | 13 34 | 0 17 | 18 46 | 1 11 | 14 29 | 15 27 | 19 13 | 19 21 | 2 3 | | n.a. |
| F 14 | 9 23 | 19 6 | 5 0 | 5 51 | 2 33 | 3 6 | 0 20 | 1 59 | 0 13 | 4 0 | 0 53 | 3 15 | 2 38 | 13 34 | 0 17 | 18 46 | 1 11 | 14 29 | 15 27 | 19 10 | 19 20 | 2 0 | | n.a. |
| S 15 | 9 1 | 14 41 | 4 55 | 6 17 | 2 21 | 3 38 | 0 23 | 1 41 | 0 13 | 4 5 | 0 53 | 3 14 | 2 38 | 13 34 | 0 18 | 18 46 | 1 11 | 14 30 | 15 27 | 19 7 | 19 19 | 1 57 | | n.a. |
| S 16 | 8 39 | 9 44 | 4 37 | 6 45 | 2 7 | 4 9 | 0 26 | 1 24 | 0 12 | 4 10 | 0 53 | 3 13 | 2 39 | 13 34 | 0 18 | 18 46 | 1 11 | 14 31 | 15 27 | 19 3 | 19 19 | 1 54 | | n.a. |
| M17 | 8 17 | 4 29 | 4 7 | 7 13 | 1 53 | 4 41 | 0 29 | 1 7 | 0 11 | 4 15 | 0 53 | 3 11 | 2 39 | 13 33 | 0 18 | 18 46 | 1 11 | 14 32 | 15 27 | 19 0 | 19 18 | 1 51 | | n.a. |
| T 18 | 7 55 | 0n55 | 3 27 | 7 42 | 1 38 | 5 12 | 0 32 | 0 50 | 0 11 | 4 20 | 0 52 | 3 10 | 2 39 | 13 33 | 0 18 | 18 46 | 1 11 | 14 32 | 15 27 | 18 58 | 19 17 | 1 47 | | n.a. |
| W19 | 7 33 | 6 16 | 2 37 | 8 11 | 1 22 | 5 44 | 0 35 | 0 32 | 0 10 | 4 25 | 0 52 | 3 9 | 2 39 | 13 33 | 0 18 | 18 46 | 1 11 | 14 33 | 15 27 | 18 56 | 19 16 | 1 44 | | n.a. |
| T 20 | 7 10 | 11 26 | 1 41 | 8 40 | 1 6 | 6 15 | 0 38 | 0 15 | 0 10 | 4 31 | 0 52 | 3 7 | 2 39 | 13 32 | 0 18 | 18 46 | 1 11 | 14 34 | 15 28 | 18 55 | 19 15 | 1 41 | | n.a. |
| F 21 | 6 48 | 16 13 | 0 39 | 9 8 | 0 49 | 6 46 | 0 41 | 0n 2 | 0 9 | 4 36 | 0 52 | 3 6 | 2 39 | 13 32 | 0 18 | 18 46 | 1 11 | 14 35 | 15 28 | 18 55 | 19 15 | 1 38 | | n.a. |
| S 22 | 6 25 | 20 27 | 0n25 | 9 35 | 0 33 | 7 17 | 0 45 | 0 19 | 0 8 | 4 41 | 0 52 | 3 4 | 2 39 | 13 31 | 0 18 | 18 46 | 1 11 | 14 35 | 15 28 | 18 55 | 19 14 | 1 34 | | n.a. |
| S 23 | 6 2 | 23 52 | 1 29 | 10 1 | 0 16 | 7 48 | 0 48 | 0 36 | 0 8 | 4 46 | 0 52 | 3 3 | 2 39 | 13 31 | 0 18 | 18 46 | 1 11 | 14 36 | 15 28 | 18 55 | 19 13 | 1 31 | | n.a. |
| M24 | 5 39 | 26 13 | 2 31 | 10 25 | 0 0 | 8 18 | 0 51 | 0 54 | 0 7 | 4 52 | 0 52 | 3 1 | 2 40 | 13 31 | 0 18 | 18 46 | 1 11 | 14 37 | 15 28 | 18 55 | 19 12 | 1 28 | | n.a. |
| T 25 | 5 16 | 27 14 | 3 26 | 10 48 | 0s16 | 8 49 | 0 54 | 1 11 | 0 6 | 4 57 | 0 51 | 3 0 | 2 40 | 13 30 | 0 18 | 18 46 | 1 11 | 14 37 | 15 28 | 18 54 | 19 11 | 1 25 | | n.a. |
| W26 | 4 54 | 26 41 | 4 13 | 11 8 | 0 31 | 9 19 | 0 57 | 1 28 | 0 6 | 5 2 | 0 51 | 2 58 | 2 40 | 13 30 | 0 18 | 18 46 | 1 11 | 14 38 | 15 28 | 18 53 | 19 11 | 1 22 | | n.a. |
| T 27 | 4 31 | 24 28 | 4 46 | 11 27 | 0 46 | 9 49 | 1 0 | 1 45 | 0 5 | 5 7 | 0 51 | 2 57 | 2 40 | 13 29 | 0 18 | 18 45 | 1 11 | 14 39 | 15 28 | 18 52 | 19 10 | 1 18 | | n.a. |
| F 28 | 4 7 | 20 39 | 5 3 | 11 43 | 1 1 | 10 18 | 1 3 | 2 2 | 0 5 | 5 13 | 0 51 | 2 55 | 2 40 | 13 29 | 0 18 | 18 45 | 1 11 | 14 40 | 15 28 | 18 50 | 19 9 | 1 15 | | n.a. |
| S 29 | 3 44 | 15 25 | 4 59 | 11 57 | 1 14 | 10 48 | 1 6 | 2 19 | 0 4 | 5 18 | 0 51 | 2 53 | 2 40 | 13 28 | 0 18 | 18 45 | 1 11 | 14 40 | 15 28 | 18 48 | 19 8 | 1 12 | | n.a. |
| S 30 | 3 21 | 9 10 | 4 35 | 12 8 | 1 27 | 11 17 | 1 8 | 2 36 | 0 3 | 5 23 | 0 51 | 2 52 | 2 40 | 13 28 | 0 18 | 18 45 | 1 11 | 14 41 | 15 28 | 18 45 | 19 7 | 1 9 | | n.a. |
| M31 | 2s58 | 2n20 | 3n51 | 12s18 | 1s40 | 11n46 | 1n11 | 2n53 | 0s 3 | 5n29 | 0s51 | 2s50 | 2n40 | 13s27 | 0n18 | 18s45 | 1n11 | 14n42 | 15n28 | 18n43 | 19n 7 | 1s 5 | | n.a. |

Julian Day Number = 1004861.5, Delta T = 12h46m52s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'20, Lahiri = -31°00'20 Julian Calendar 1 March 1962 BCE == Greg. Calendar 12 Feb. 1962 BCE

The year -1961 astronomical counting style corresponds to year 1962 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## APRIL 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 28 53 | 23♓37'20 | 18♎ 8 | 2♓48 | 28♈20 | 7♈54 | 15♈48 | 13°R 4 | 5°R48 | 27°R 4 | 28°R32 | 22°R13 | 23♉47 | 6♈ 4 | n.a. | T 1 |
| W 2 | 11 32 50 | 24°34'53 | 3♏ 5 | 3° 3 | 29°30 | 8°35 | 16° 1 | 13♎ 0 | 5♏46 | 27♏ 4 | 28♍30 | 22♉10 | 23°44 | 6°10 | n.a. | W 2 |
| T 3 | 11 36 46 | 25°32'25 | 17°41 | 3°23 | 0♉41 | 9°15 | 16°15 | 12°56 | 5°45 | 27° 3 | 28°28 | 22°D 8 | 23°41 | 6°17 | n.a. | T 3 |
| F 4 | 11 40 43 | 26°29'55 | 1♐53 | 3°47 | 1°52 | 9°56 | 16°28 | 12°52 | 5°43 | 27° 3 | 28°27 | 22° 8 | 23°38 | 6°24 | n.a. | F 4 |
| S 5 | 11 44 39 | 27°27'25 | 15°38 | 4°15 | 3° 2 | 10°36 | 16°41 | 12°48 | 5°41 | 27° 2 | 28°25 | 22° 9 | 23°35 | 6°30 | n.a. | S 5 |
| S 6 | 11 48 36 | 28°24'54 | 28°59 | 4°48 | 4°13 | 11°17 | 16°55 | 12°44 | 5°40 | 27° 1 | 28°23 | 22°R10 | 23°32 | 6°37 | n.a. | S 6 |
| M 7 | 11 52 33 | 29°22'22 | 11♑58 | 5°24 | 5°23 | 11°57 | 17° 8 | 12°40 | 5°38 | 27° 1 | 28°22 | 22° 9 | 23°28 | 6°44 | n.a. | M 7 |
| T 8 | 11 56 29 | 0♈19'48 | 24°39 | 6° 5 | 6°33 | 12°37 | 17°22 | 12°35 | 5°36 | 27° 0 | 28°20 | 22° 6 | 23°25 | 6°50 | n.a. | T 8 |
| W 9 | 12 0 26 | 1°17'14 | 7♒ 5 | 6°49 | 7°44 | 13°18 | 17°35 | 12°31 | 5°34 | 26°59 | 28°18 | 22° 1 | 23°22 | 6°57 | n.a. | W 9 |
| T 10 | 12 4 22 | 2°14'39 | 19°19 | 7°37 | 8°54 | 13°58 | 17°49 | 12°27 | 5°32 | 26°59 | 28°17 | 21°54 | 23°19 | 7° 4 | n.a. | T 10 |
| F 11 | 12 8 19 | 3°12'03 | 1♓24 | 8°28 | 10° 4 | 14°38 | 18° 2 | 12°23 | 5°30 | 26°58 | 28°15 | 21°46 | 23°16 | 7°10 | n.a. | F 11 |
| S 12 | 12 12 15 | 4° 9'25 | 13°22 | 9°23 | 11°14 | 15°19 | 18°16 | 12°18 | 5°28 | 26°57 | 28°13 | 21°37 | 23°12 | 7°17 | n.a. | S 12 |
| S 13 | 12 16 12 | 5° 6'47 | 25°16 | 10°21 | 12°24 | 15°59 | 18°30 | 12°14 | 5°27 | 26°56 | 28°12 | 21°28 | 23° 9 | 7°24 | n.a. | S 13 |
| M14 | 12 20 8 | 6° 4'07 | 7♈ 6 | 11°22 | 13°33 | 16°39 | 18°43 | 12°10 | 5°25 | 26°55 | 28°10 | 21°21 | 23° 6 | 7°30 | n.a. | M14 |
| T 15 | 12 24 5 | 7° 1'27 | 18°55 | 12°27 | 14°43 | 17°19 | 18°57 | 12° 5 | 5°22 | 26°55 | 28° 8 | 21°14 | 23° 3 | 7°37 | n.a. | T 15 |
| W16 | 12 28 2 | 7°58'45 | 0♉45 | 13°35 | 15°53 | 17°59 | 19°10 | 12° 1 | 5°20 | 26°54 | 28° 7 | 21°10 | 23° 0 | 7°44 | n.a. | W16 |
| T 17 | 12 31 58 | 8°56'03 | 12°38 | 14°45 | 17° 2 | 18°39 | 19°24 | 11°56 | 5°18 | 26°53 | 28° 5 | 21° 8 | 22°57 | 7°51 | n.a. | T 17 |
| F 18 | 12 35 55 | 9°53'19 | 24°36 | 15°59 | 18°12 | 19°19 | 19°38 | 11°52 | 5°16 | 26°52 | 28° 3 | 21°D 8 | 22°53 | 7°57 | n.a. | F 18 |
| S 19 | 12 39 51 | 10°50'35 | 6♊44 | 17°16 | 19°21 | 19°59 | 19°51 | 11°48 | 5°14 | 26°51 | 28° 2 | 21° 9 | 22°50 | 8° 4 | n.a. | S 19 |
| S 20 | 12 43 48 | 11°47'49 | 19° 5 | 18°35 | 20°30 | 20°39 | 20° 5 | 11°43 | 5°12 | 26°50 | 28° 0 | 21°10 | 22°47 | 8°11 | n.a. | S 20 |
| M21 | 12 47 44 | 12°45'02 | 1♋44 | 19°57 | 21°39 | 21°19 | 20°19 | 11°39 | 5°10 | 26°49 | 27°59 | 21°12 | 22°44 | 8°17 | n.a. | M21 |
| T 22 | 12 51 41 | 13°42'14 | 14°44 | 21°22 | 22°48 | 21°59 | 20°33 | 11°34 | 5° 8 | 26°48 | 27°57 | 21°R12 | 22°41 | 8°24 | n.a. | T 22 |
| W23 | 12 55 37 | 14°39'25 | 28° 8 | 22°50 | 23°57 | 22°39 | 20°46 | 11°30 | 5° 5 | 26°47 | 27°55 | 21°11 | 22°37 | 8°31 | n.a. | W23 |
| T 24 | 12 59 34 | 15°36'35 | 12♌ 0 | 24°21 | 25° 6 | 23°19 | 21° 0 | 11°26 | 5° 3 | 26°46 | 27°54 | 21° 9 | 22°34 | 8°37 | n.a. | T 24 |
| F 25 | 13 3 31 | 16°33'44 | 26°19 | 25°54 | 26°15 | 23°58 | 21°14 | 11°21 | 5° 1 | 26°44 | 27°52 | 21° 5 | 22°31 | 8°44 | n.a. | F 25 |
| S 26 | 13 7 27 | 17°30'52 | 11♍ 3 | 27°30 | 27°23 | 24°38 | 21°28 | 11°17 | 4°59 | 26°43 | 27°51 | 21° 1 | 22°28 | 8°51 | n.a. | S 26 |
| S 27 | 13 11 24 | 18°27'59 | 26° 6 | 29° 8 | 28°32 | 25°18 | 21°41 | 11°13 | 4°56 | 26°42 | 27°49 | 20°56 | 22°25 | 8°57 | n.a. | S 27 |
| M28 | 13 15 20 | 19°25'06 | 11♎18 | 0♈50 | 29°40 | 25°58 | 21°55 | 11° 8 | 4°54 | 26°41 | 27°48 | 20°52 | 22°22 | 9° 4 | n.a. | M28 |
| T 29 | 13 19 17 | 20°22'11 | 26°32 | 2°34 | 0♊48 | 26°37 | 22° 9 | 11° 4 | 4°52 | 26°40 | 27°46 | 20°49 | 22°18 | 9°11 | n.a. | T 29 |
| W30 | 13 23 13 | 21♈19'17 | 11♏35 | 4♈20 | 1♊56 | 27♈17 | 22♈23 | 11♎ 0 | 4♏49 | 26♏39 | 27♍45 | 20♉48 | 22♉15 | 9♈17 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s35 | 4s37 | 2n51 | 12s24 | 1s51 | 12n15 | 1n14 | 3n10 | 0s 2 | 5n34 | 0s50 | 2s49 | 2n40 | 13s27 | 0n18 | 18s45 | 1n11 | 14n42 | 15n28 | 18n42 | 19n 6 | 1s 2 | | n.a. |
| W 2 | 2 12 | 11 13 | 1 40 | 12 28 | 2 1 | 12 43 | 1 17 | 3 27 | 0 2 | 5 39 | 0 50 | 2 47 | 2 40 | 13 26 | 0 18 | 18 45 | 1 11 | 14 43 | 15 28 | 18 41 | 19 5 | 0 59 | | n.a. |
| T 3 | 1 48 | 17 4 | 0 24 | 12 30 | 2 11 | 13 11 | 1 20 | 3 43 | 0 1 | 5 45 | 0 50 | 2 45 | 2 40 | 13 26 | 0 18 | 18 45 | 1 11 | 14 44 | 15 28 | 18 40 | 19 4 | 0 56 | | n.a. |
| F 4 | 1 25 | 21 48 | 0s52 | 12 29 | 2 20 | 13 39 | 1 23 | 4 0 | 0 0 | 5 50 | 0 50 | 2 44 | 2 40 | 13 25 | 0 18 | 18 44 | 1 11 | 14 44 | 15 28 | 18 40 | 19 3 | 0 52 | | n.a. |
| S 5 | 1 2 | 25 10 | 2 3 | 12 26 | 2 28 | 14 6 | 1 26 | 4 17 | 0n 0 | 5 55 | 0 50 | 2 42 | 2 40 | 13 25 | 0 18 | 18 44 | 1 11 | 14 45 | 15 28 | 18 40 | 19 3 | 0 49 | | n.a. |
| S 6 | 0 39 | 26 59 | 3 4 | 12 20 | 2 35 | 14 34 | 1 28 | 4 34 | 0 1 | 6 1 | 0 50 | 2 40 | 2 41 | 13 24 | 0 18 | 18 44 | 1 11 | 14 46 | 15 28 | 18 41 | 19 2 | 0 46 | | n.a. |
| M 7 | 0 15 | 27 16 | 3 55 | 12 13 | 2 41 | 15 0 | 1 31 | 4 50 | 0 1 | 6 6 | 0 50 | 2 39 | 2 41 | 13 23 | 0 18 | 18 44 | 1 11 | 14 46 | 15 28 | 18 40 | 19 1 | 0 43 | | n.a. |
| T 8 | 0n 8 | 26 5 | 4 33 | 12 2 | 2 47 | 15 27 | 1 34 | 5 7 | 0 2 | 6 11 | 0 49 | 2 37 | 2 41 | 13 23 | 0 18 | 18 44 | 1 11 | 14 47 | 15 28 | 18 40 | 19 0 | 0 39 | | n.a. |
| W 9 | 0 31 | 23 38 | 4 56 | 11 50 | 2 51 | 15 53 | 1 36 | 5 23 | 0 3 | 6 17 | 0 49 | 2 35 | 2 41 | 13 22 | 0 18 | 18 44 | 1 11 | 14 47 | 15 28 | 18 38 | 18 59 | 0 36 | | n.a. |
| T 10 | 0 55 | 20 10 | 5 6 | 11 35 | 2 55 | 16 18 | 1 39 | 5 40 | 0 3 | 6 22 | 0 49 | 2 33 | 2 41 | 13 21 | 0 18 | 18 43 | 1 11 | 14 48 | 15 28 | 18 37 | 18 59 | 0 33 | | n.a. |
| F 11 | 1 18 | 15 53 | 5 2 | 11 18 | 2 58 | 16 44 | 1 41 | 5 56 | 0 4 | 6 28 | 0 49 | 2 32 | 2 41 | 13 21 | 0 18 | 18 43 | 1 11 | 14 49 | 15 28 | 18 34 | 18 58 | 0 30 | | n.a. |
| S 12 | 1 41 | 11 2 | 4 45 | 10 59 | 3 0 | 17 8 | 1 44 | 6 13 | 0 4 | 6 33 | 0 49 | 2 30 | 2 41 | 13 20 | 0 18 | 18 43 | 1 11 | 14 49 | 15 27 | 18 32 | 18 57 | 0 26 | | n.a. |
| S 13 | 2 4 | 5 49 | 4 16 | 10 38 | 3 2 | 17 33 | 1 46 | 6 29 | 0 5 | 6 38 | 0 49 | 2 28 | 2 41 | 13 19 | 0 18 | 18 43 | 1 11 | 14 50 | 15 27 | 18 30 | 18 56 | 0 23 | | n.a. |
| M14 | 2 27 | 0 24 | 3 35 | 10 15 | 3 2 | 17 57 | 1 49 | 6 45 | 0 6 | 6 44 | 0 49 | 2 27 | 2 41 | 13 19 | 0 18 | 18 42 | 1 11 | 14 50 | 15 27 | 18 28 | 18 55 | 0 20 | | n.a. |
| T 15 | 2 51 | 5n 1 | 2 45 | 9 49 | 3 2 | 18 20 | 1 51 | 7 2 | 0 6 | 6 49 | 0 49 | 2 25 | 2 41 | 13 18 | 0 18 | 18 42 | 1 11 | 14 51 | 15 27 | 18 26 | 18 54 | 0 17 | | n.a. |
| W16 | 3 14 | 10 17 | 1 48 | 9 22 | 3 2 | 18 43 | 1 53 | 7 18 | 0 7 | 6 54 | 0 48 | 2 23 | 2 41 | 13 17 | 0 18 | 18 42 | 1 11 | 14 51 | 15 27 | 18 25 | 18 54 | 0 13 | | n.a. |
| T 17 | 3 37 | 15 13 | 0 46 | 8 53 | 3 0 | 19 6 | 1 55 | 7 34 | 0 7 | 7 0 | 0 48 | 2 21 | 2 41 | 13 17 | 0 18 | 18 42 | 1 11 | 14 52 | 15 27 | 18 24 | 18 53 | 0 10 | | n.a. |
| F 18 | 4 0 | 19 36 | 0n19 | 8 21 | 2 58 | 19 28 | 1 57 | 7 50 | 0 8 | 7 5 | 0 48 | 2 20 | 2 41 | 13 16 | 0 18 | 18 42 | 1 11 | 14 52 | 15 27 | 18 24 | 18 52 | 0 7 | | n.a. |
| S 19 | 4 22 | 23 15 | 1 24 | 7 48 | 2 55 | 19 50 | 2 0 | 8 6 | 0 8 | 7 11 | 0 48 | 2 18 | 2 41 | 13 15 | 0 18 | 18 41 | 1 11 | 14 53 | 15 26 | 18 24 | 18 51 | 0 4 | | n.a. |
| S 20 | 4 45 | 25 53 | 2 26 | 7 13 | 2 52 | 20 11 | 2 2 | 8 22 | 0 9 | 7 16 | 0 48 | 2 16 | 2 41 | 13 15 | 0 18 | 18 41 | 1 11 | 14 53 | 15 26 | 18 25 | 18 50 | 0 0 | | n.a. |
| M21 | 5 8 | 27 18 | 3 23 | 6 37 | 2 47 | 20 32 | 2 3 | 8 38 | 0 10 | 7 21 | 0 48 | 2 14 | 2 41 | 13 14 | 0 18 | 18 41 | 1 11 | 14 54 | 15 26 | 18 25 | 18 50 | 0n 3 | | n.a. |
| T 22 | 5 31 | 27 15 | 4 11 | 5 58 | 2 43 | 20 52 | 2 5 | 8 53 | 0 10 | 7 27 | 0 48 | 2 13 | 2 40 | 13 13 | 0 18 | 18 41 | 1 11 | 14 54 | 15 26 | 18 25 | 18 49 | 0 6 | | n.a. |
| W23 | 5 53 | 25 38 | 4 47 | 5 18 | 2 37 | 21 11 | 2 7 | 9 9 | 0 11 | 7 32 | 0 48 | 2 11 | 2 40 | 13 12 | 0 18 | 18 40 | 1 11 | 14 55 | 15 26 | 18 25 | 18 48 | 0 9 | | n.a. |
| T 24 | 6 16 | 22 27 | 5 8 | 4 36 | 2 31 | 21 30 | 2 9 | 9 25 | 0 11 | 7 37 | 0 48 | 2 9 | 2 40 | 13 12 | 0 18 | 18 40 | 1 11 | 14 55 | 15 25 | 18 24 | 18 47 | 0 13 | | n.a. |
| F 25 | 6 38 | 17 50 | 5 10 | 3 52 | 2 25 | 21 49 | 2 11 | 9 40 | 0 12 | 7 43 | 0 48 | 2 8 | 2 40 | 13 11 | 0 18 | 18 40 | 1 12 | 14 56 | 15 25 | 18 24 | 18 46 | 0 16 | | n.a. |
| S 26 | 7 1 | 12 4 | 4 53 | 3 7 | 2 18 | 22 7 | 2 12 | 9 55 | 0 12 | 7 48 | 0 47 | 2 6 | 2 40 | 13 10 | 0 18 | 18 39 | 1 12 | 14 56 | 15 25 | 18 22 | 18 45 | 0 19 | | n.a. |
| S 27 | 7 23 | 5 28 | 4 15 | 2 20 | 2 10 | 22 24 | 2 14 | 10 11 | 0 13 | 7 53 | 0 47 | 2 4 | 2 40 | 13 9 | 0 18 | 18 39 | 1 12 | 14 56 | 15 25 | 18 21 | 18 45 | 0 22 | | n.a. |
| M28 | 7 45 | 1s31 | 3 19 | 1 31 | 2 2 | 22 41 | 2 15 | 10 26 | 0 14 | 7 59 | 0 47 | 2 3 | 2 40 | 13 8 | 0 18 | 18 39 | 1 12 | 14 57 | 15 24 | 18 20 | 18 44 | 0 26 | | n.a. |
| T 29 | 8 7 | 8 26 | 2 9 | 0 41 | 1 53 | 22 57 | 2 16 | 10 41 | 0 14 | 8 4 | 0 47 | 2 1 | 2 40 | 13 8 | 0 17 | 18 39 | 1 12 | 14 57 | 15 24 | 18 19 | 18 43 | 0 29 | | n.a. |
| W30 | 8n29 | 14s49 | 0n50 | 0n10 | 1s44 | 23n13 | 2n18 | 10n56 | 0n15 | 8n 9 | 0s47 | 1s59 | 2n40 | 13s 7 | 0n17 | 18s38 | 1n12 | 14n57 | 15n24 | 18n19 | 18n42 | 0n32 | | n.a. |

Julian Day Number = 1004892.5, Delta T = 12h46m50s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'16, Lahiri = -31°00'15 Julian Calendar 1 Apr. 1962 BCE == Greg. Calendar 15 March 1962 BCE


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## MAY 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 27 10 | 22♈16'21 | 26♏20 | 6♈ 9 | 3♊ 4 | 27♈57 | 22♈36 | 10°R55 | 4°R47 | 26°R37 | 27°R43 | 20°D48 | 22♉12 | 9♈24 | n.a. | T 1 |
| F 2 | 13 31 6 | 23°13'26 | 10♐42 | 8° 1 | 4°12 | 28°36 | 22°50 | 10♎51 | 4♏45 | 26♏36 | 27♍42 | 20♉48 | 22° 9 | 9°31 | n.a. | F 2 |
| S 3 | 13 35 3 | 24°10'30 | 24°37 | 9°55 | 5°20 | 29°16 | 23° 4 | 10°47 | 4°42 | 26°35 | 27°40 | 20°50 | 22° 6 | 9°37 | n.a. | S 3 |
| S 4 | 13 39 0 | 25° 7'35 | 8♑ 6 | 11°51 | 6°27 | 29°55 | 23°18 | 10°43 | 4°40 | 26°33 | 27°39 | 20°51 | 22° 3 | 9°44 | n.a. | S 4 |
| M 5 | 13 42 56 | 26° 4'39 | 21° 9 | 13°50 | 7°34 | 0♉35 | 23°31 | 10°38 | 4°37 | 26°32 | 27°37 | 20°R52 | 21°59 | 9°51 | n.a. | M 5 |
| T 6 | 13 46 53 | 27° 1'43 | 3♒51 | 15°51 | 8°42 | 1°14 | 23°45 | 10°34 | 4°35 | 26°31 | 27°36 | 20°52 | 21°56 | 9°58 | n.a. | T 6 |
| W 7 | 13 50 49 | 27°58'47 | 16°15 | 17°54 | 9°49 | 1°54 | 23°59 | 10°30 | 4°33 | 26°29 | 27°35 | 20°51 | 21°53 | 10° 4 | n.a. | W 7 |
| T 8 | 13 54 46 | 28°55'51 | 28°25 | 19°58 | 10°56 | 2°33 | 24°13 | 10°26 | 4°30 | 26°28 | 27°33 | 20°49 | 21°50 | 10°11 | n.a. | T 8 |
| F 9 | 13 58 42 | 29°52'55 | 10♓25 | 22° 5 | 12° 3 | 3°12 | 24°26 | 10°22 | 4°28 | 26°27 | 27°32 | 20°46 | 21°47 | 10°18 | n.a. | F 9 |
| S 10 | 14 2 39 | 0♉49'59 | 22°18 | 24°12 | 13° 9 | 3°52 | 24°40 | 10°18 | 4°25 | 26°25 | 27°31 | 20°43 | 21°43 | 10°24 | n.a. | S 10 |
| S 11 | 14 6 36 | 1°47'03 | 4♈ 8 | 26°21 | 14°16 | 4°31 | 24°54 | 10°14 | 4°23 | 26°24 | 27°29 | 20°40 | 21°40 | 10°31 | n.a. | S 11 |
| M12 | 14 10 32 | 2°44'06 | 15°57 | 28°31 | 15°22 | 5°10 | 25° 8 | 10°10 | 4°20 | 26°22 | 27°28 | 20°37 | 21°37 | 10°38 | n.a. | M12 |
| T 13 | 14 14 29 | 3°41'10 | 27°48 | 0♉41 | 16°29 | 5°50 | 25°21 | 10° 6 | 4°18 | 26°21 | 27°27 | 20°35 | 21°34 | 10°44 | n.a. | T 13 |
| W14 | 14 18 25 | 4°38'14 | 9♉42 | 2°52 | 17°35 | 6°29 | 25°35 | 10° 3 | 4°16 | 26°19 | 27°25 | 20°34 | 21°31 | 10°51 | n.a. | W14 |
| T 15 | 14 22 22 | 5°35'18 | 21°43 | 5° 3 | 18°41 | 7° 8 | 25°49 | 9°59 | 4°13 | 26°18 | 27°24 | 20°D34 | 21°28 | 10°58 | n.a. | T 15 |
| F 16 | 14 26 18 | 6°32'22 | 3♊51 | 7°13 | 19°46 | 7°47 | 26° 2 | 9°55 | 4°11 | 26°16 | 27°23 | 20°34 | 21°24 | 11° 4 | n.a. | F 16 |
| S 17 | 14 30 15 | 7°29'25 | 16°10 | 9°23 | 20°52 | 8°26 | 26°16 | 9°51 | 4° 8 | 26°15 | 27°22 | 20°35 | 21°21 | 11°11 | n.a. | S 17 |
| S 18 | 14 34 11 | 8°26'29 | 28°41 | 11°32 | 21°57 | 9° 6 | 26°29 | 9°48 | 4° 6 | 26°13 | 27°21 | 20°36 | 21°18 | 11°18 | n.a. | S 18 |
| M19 | 14 38 8 | 9°23'32 | 11♋28 | 13°41 | 23° 2 | 9°45 | 26°43 | 9°44 | 4° 3 | 26°12 | 27°20 | 20°37 | 21°15 | 11°24 | n.a. | M19 |
| T 20 | 14 42 5 | 10°20'36 | 24°32 | 15°48 | 24° 7 | 10°24 | 26°57 | 9°41 | 4° 1 | 26°10 | 27°18 | 20°38 | 21°12 | 11°31 | n.a. | T 20 |
| W21 | 14 46 1 | 11°17'39 | 7♌56 | 17°54 | 25°12 | 11° 3 | 27°10 | 9°37 | 3°59 | 26° 9 | 27°17 | 20°R38 | 21° 9 | 11°38 | n.a. | W21 |
| T 22 | 14 49 58 | 12°14'42 | 21°42 | 19°58 | 26°17 | 11°42 | 27°24 | 9°34 | 3°56 | 26° 7 | 27°16 | 20°38 | 21° 5 | 11°44 | n.a. | T 22 |
| F 23 | 14 53 54 | 13°11'45 | 5♍49 | 22° 1 | 27°21 | 12°21 | 27°37 | 9°31 | 3°54 | 26° 6 | 27°15 | 20°38 | 21° 2 | 11°51 | n.a. | F 23 |
| S 24 | 14 57 51 | 14° 8'48 | 20°17 | 24° 2 | 28°25 | 13° 0 | 27°51 | 9°28 | 3°51 | 26° 4 | 27°14 | 20°37 | 20°59 | 11°58 | n.a. | S 24 |
| S 25 | 15 1 47 | 15° 5'51 | 5♎ 2 | 26° 2 | 29°29 | 13°39 | 28° 4 | 9°24 | 3°49 | 26° 2 | 27°13 | 20°36 | 20°56 | 12° 4 | n.a. | S 25 |
| M26 | 15 5 44 | 16° 2'55 | 19°58 | 28° 0 | 0♋33 | 14°18 | 28°17 | 9°21 | 3°47 | 26° 1 | 27°12 | 20°36 | 20°53 | 12°11 | n.a. | M26 |
| T 27 | 15 9 41 | 16°59'58 | 4♏57 | 29°56 | 1°36 | 14°57 | 28°31 | 9°18 | 3°44 | 25°59 | 27°11 | 20°36 | 20°49 | 12°18 | n.a. | T 27 |
| W28 | 15 13 37 | 17°57'02 | 19°52 | 1♊50 | 2°39 | 15°36 | 28°44 | 9°15 | 3°42 | 25°58 | 27°11 | 20°D35 | 20°46 | 12°24 | n.a. | W28 |
| T 29 | 15 17 34 | 18°54'06 | 4♐34 | 3°42 | 3°42 | 16°14 | 28°57 | 9°12 | 3°40 | 25°56 | 27°10 | 20°35 | 20°43 | 12°31 | n.a. | T 29 |
| F 30 | 15 21 30 | 19°51'11 | 18°58 | 5°33 | 4°45 | 16°53 | 29°11 | 9°10 | 3°37 | 25°54 | 27° 9 | 20°36 | 20°40 | 12°38 | n.a. | F 30 |
| S 31 | 15 25 27 | 20♉48'17 | 2♑57 | 7♊21 | 5♋48 | 17♉32 | 29♈24 | 9♎ 7 | 3♏35 | 25♏53 | 27♍ 8 | 20°R36 | 20♉37 | 12♈44 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 8n50 | 20s13 | 0s30 | 1n 3 | 1s35 | 23n28 | 2n19 | 11n11 | 0n15 | 8n15 | 0s47 | 1s58 | 2n40 | 13s 6 | 0n17 | 18s38 | 1n12 | 14n58 | 15n24 | 18n19 | 18n41 | 0n35 | | n.a. |
| F 2 | 9 12 | 24 16 | 1 47 | 1 57 | 1 25 | 23 42 | 2 20 | 11 26 | 0 16 | 8 20 | 0 47 | 1 56 | 2 40 | 13 5 | 0 17 | 18 38 | 1 12 | 14 58 | 15 23 | 18 19 | 18 40 | 0 39 | | n.a. |
| S 3 | 9 34 | 26 44 | 2 55 | 2 52 | 1 15 | 23 56 | 2 21 | 11 41 | 0 16 | 8 25 | 0 47 | 1 55 | 2 40 | 13 4 | 0 17 | 18 37 | 1 12 | 14 58 | 15 23 | 18 19 | 18 40 | 0 42 | | n.a. |
| S 4 | 9 55 | 27 31 | 3 51 | 3 48 | 1 5 | 24 9 | 2 22 | 11 56 | 0 17 | 8 30 | 0 47 | 1 53 | 2 40 | 13 4 | 0 17 | 18 37 | 1 12 | 14 59 | 15 23 | 18 20 | 18 39 | 0 45 | | n.a. |
| M 5 | 10 16 | 26 43 | 4 33 | 4 44 | 0 54 | 24 21 | 2 22 | 12 11 | 0 18 | 8 36 | 0 47 | 1 51 | 2 39 | 13 3 | 0 17 | 18 37 | 1 12 | 14 59 | 15 22 | 18 20 | 18 38 | 0 48 | | n.a. |
| T 6 | 10 37 | 24 32 | 5 1 | 5 42 | 0 43 | 24 33 | 2 23 | 12 25 | 0 18 | 8 41 | 0 47 | 1 50 | 2 39 | 13 2 | 0 17 | 18 36 | 1 12 | 14 59 | 15 22 | 18 20 | 18 37 | 0 52 | | n.a. |
| W 7 | 10 58 | 21 15 | 5 13 | 6 40 | 0 32 | 24 44 | 2 24 | 12 40 | 0 19 | 8 46 | 0 46 | 1 48 | 2 39 | 13 1 | 0 17 | 18 36 | 1 12 | 15 0 | 15 22 | 18 20 | 18 36 | 0 55 | | n.a. |
| T 8 | 11 19 | 17 7 | 5 12 | 7 38 | 0 21 | 24 55 | 2 24 | 12 54 | 0 19 | 8 51 | 0 46 | 1 47 | 2 39 | 13 0 | 0 17 | 18 36 | 1 12 | 15 0 | 15 21 | 18 19 | 18 35 | 0 58 | | n.a. |
| F 9 | 11 39 | 12 22 | 4 56 | 8 36 | 0 10 | 25 4 | 2 24 | 13 8 | 0 20 | 8 57 | 0 46 | 1 45 | 2 39 | 13 0 | 0 17 | 18 35 | 1 12 | 15 0 | 15 21 | 18 18 | 18 35 | 1 2 | | n.a. |
| S 10 | 12 0 | 7 12 | 4 28 | 9 35 | 0n 1 | 25 14 | 2 25 | 13 22 | 0 20 | 9 2 | 0 46 | 1 44 | 2 39 | 12 59 | 0 17 | 18 35 | 1 12 | 15 0 | 15 21 | 18 17 | 18 34 | 1 5 | | n.a. |
| S 11 | 12 20 | 1 49 | 3 49 | 10 33 | 0 11 | 25 22 | 2 25 | 13 37 | 0 21 | 9 7 | 0 46 | 1 42 | 2 39 | 12 58 | 0 17 | 18 35 | 1 12 | 15 1 | 15 20 | 18 17 | 18 33 | 1 8 | | n.a. |
| M12 | 12 40 | 3n39 | 3 0 | 11 30 | 0 22 | 25 30 | 2 25 | 13 51 | 0 21 | 9 12 | 0 46 | 1 41 | 2 39 | 12 57 | 0 17 | 18 34 | 1 12 | 15 1 | 15 20 | 18 16 | 18 32 | 1 11 | | n.a. |
| T 13 | 13 0 | 9 0 | 2 2 | 12 26 | 0 32 | 25 37 | 2 25 | 14 4 | 0 22 | 9 17 | 0 46 | 1 40 | 2 38 | 12 56 | 0 17 | 18 34 | 1 12 | 15 1 | 15 20 | 18 15 | 18 31 | 1 15 | | n.a. |
| W14 | 13 19 | 14 4 | 1 0 | 13 22 | 0 42 | 25 44 | 2 25 | 14 18 | 0 22 | 9 22 | 0 46 | 1 38 | 2 38 | 12 55 | 0 17 | 18 34 | 1 12 | 15 1 | 15 19 | 18 15 | 18 30 | 1 18 | | n.a. |
| T 15 | 13 39 | 18 40 | 0n 6 | 14 16 | 0 51 | 25 49 | 2 24 | 14 32 | 0 23 | 9 28 | 0 46 | 1 37 | 2 38 | 12 55 | 0 17 | 18 33 | 1 12 | 15 1 | 15 19 | 18 15 | 18 29 | 1 21 | | n.a. |
| F 16 | 13 58 | 22 32 | 1 13 | 15 8 | 1 0 | 25 55 | 2 24 | 14 45 | 0 24 | 9 33 | 0 46 | 1 35 | 2 38 | 12 54 | 0 17 | 18 33 | 1 12 | 15 1 | 15 19 | 18 15 | 18 29 | 1 24 | | n.a. |
| S 17 | 14 17 | 25 28 | 2 17 | 15 59 | 1 8 | 25 59 | 2 23 | 14 59 | 0 24 | 9 38 | 0 46 | 1 34 | 2 38 | 12 53 | 0 17 | 18 33 | 1 12 | 15 1 | 15 18 | 18 15 | 18 28 | 1 28 | | n.a. |
| S 18 | 14 36 | 27 11 | 3 16 | 16 48 | 1 16 | 26 3 | 2 23 | 15 12 | 0 25 | 9 43 | 0 46 | 1 33 | 2 38 | 12 52 | 0 17 | 18 32 | 1 12 | 15 2 | 15 18 | 18 16 | 18 27 | 1 31 | | n.a. |
| M19 | 14 55 | 27 30 | 4 6 | 17 35 | 1 23 | 26 6 | 2 22 | 15 25 | 0 25 | 9 48 | 0 46 | 1 32 | 2 37 | 12 51 | 0 17 | 18 32 | 1 12 | 15 2 | 15 17 | 18 16 | 18 26 | 1 34 | | n.a. |
| T 20 | 15 13 | 26 19 | 4 45 | 18 19 | 1 30 | 26 8 | 2 21 | 15 38 | 0 26 | 9 53 | 0 45 | 1 30 | 2 37 | 12 50 | 0 17 | 18 31 | 1 12 | 15 2 | 15 17 | 18 16 | 18 25 | 1 38 | | n.a. |
| W21 | 15 31 | 23 37 | 5 9 | 19 2 | 1 35 | 26 10 | 2 20 | 15 51 | 0 26 | 9 58 | 0 45 | 1 29 | 2 37 | 12 50 | 0 17 | 18 31 | 1 12 | 15 2 | 15 16 | 18 16 | 18 24 | 1 41 | | n.a. |
| T 22 | 15 49 | 19 32 | 5 17 | 19 42 | 1 41 | 26 11 | 2 19 | 16 4 | 0 27 | 10 3 | 0 45 | 1 28 | 2 37 | 12 49 | 0 17 | 18 31 | 1 12 | 15 2 | 15 16 | 18 16 | 18 24 | 1 44 | | n.a. |
| F 23 | 16 7 | 14 17 | 5 6 | 20 20 | 1 45 | 26 11 | 2 18 | 16 17 | 0 27 | 10 8 | 0 45 | 1 27 | 2 37 | 12 48 | 0 17 | 18 30 | 1 12 | 15 2 | 15 16 | 18 16 | 18 23 | 1 47 | | n.a. |
| S 24 | 16 24 | 8 8 | 4 36 | 20 55 | 1 49 | 26 11 | 2 16 | 16 30 | 0 28 | 10 13 | 0 45 | 1 26 | 2 37 | 12 47 | 0 17 | 18 30 | 1 12 | 15 2 | 15 15 | 18 16 | 18 22 | 1 51 | | n.a. |
| S 25 | 16 41 | 1 25 | 3 47 | 21 28 | 1 52 | 26 10 | 2 15 | 16 42 | 0 28 | 10 18 | 0 45 | 1 25 | 2 36 | 12 46 | 0 17 | 18 30 | 1 12 | 15 2 | 15 15 | 18 16 | 18 21 | 1 54 | | n.a. |
| M26 | 16 58 | 5s28 | 2 42 | 21 58 | 1 55 | 26 8 | 2 13 | 16 54 | 0 29 | 10 23 | 0 45 | 1 24 | 2 36 | 12 46 | 0 17 | 18 29 | 1 12 | 15 2 | 15 14 | 18 16 | 18 20 | 1 57 | | n.a. |
| T 27 | 17 15 | 12 5 | 1 26 | 22 26 | 1 57 | 26 6 | 2 11 | 17 7 | 0 29 | 10 28 | 0 45 | 1 23 | 2 36 | 12 45 | 0 17 | 18 29 | 1 12 | 15 2 | 15 14 | 18 15 | 18 19 | 2 0 | | n.a. |
| W28 | 17 31 | 18 0 | 0 4 | 22 52 | 1 58 | 26 3 | 2 9 | 17 19 | 0 30 | 10 33 | 0 45 | 1 22 | 2 36 | 12 44 | 0 17 | 18 28 | 1 12 | 15 2 | 15 13 | 18 15 | 18 18 | 2 4 | | n.a. |
| T 29 | 17 48 | 22 44 | 1s17 | 23 15 | 1 58 | 25 59 | 2 7 | 17 31 | 0 30 | 10 37 | 0 45 | 1 21 | 2 36 | 12 43 | 0 17 | 18 28 | 1 12 | 15 2 | 15 13 | 18 15 | 18 18 | 2 7 | | n.a. |
| F 30 | 18 3 | 25 58 | 2 31 | 23 36 | 1 58 | 25 55 | 2 5 | 17 43 | 0 31 | 10 42 | 0 45 | 1 20 | 2 35 | 12 42 | 0 17 | 18 28 | 1 12 | 15 1 | 15 12 | 18 16 | 18 17 | 2 10 | | n.a. |
| S 31 | 18n19 | 27s27 | 3s34 | 23n55 | 1n58 | 25n50 | 2n 3 | 17n54 | 0n31 | 10n47 | 0s45 | 1s19 | 2n35 | 12s42 | 0n17 | 18s27 | 1n12 | 15n 1 | 15n12 | 18n16 | 18n16 | 2n14 | | n.a. |

Julian Day Number = 1004922.5, Delta T = 12h46m48s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'12, Lahiri = -31°00'11 Julian Calendar 1 May 1962 BCE == Greg. Calendar 14 Apr. 1962 BCE

The year -1961 astronomical counting style corresponds to year 1962 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## JUNE 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 29 23 | 21♉45'23 | 16♋32 | 9♊ 8 | 6♋50 | 18♉11 | 29♈37 | 9°R 4 | 3°R33 | 25°R51 | 27°R 7 | 20°R36 | 20♉34 | 12♈51 | n.a. | S 1 |
| M 2 | 15 33 20 | 22°42'30 | 29°41 | 10°53 | 7°52 | 18°50 | 29°50 | 9♎ 2 | 3♏30 | 25♏50 | 27♍ 7 | 20♉35 | 20°30 | 12°58 | n.a. | M 2 |
| T 3 | 15 37 17 | 23°39'38 | 12♒26 | 12°36 | 8°53 | 19°29 | 0♉ 3 | 8°59 | 3°28 | 25°48 | 27° 6 | 20°35 | 20°27 | 13° 5 | n.a. | T 3 |
| W 4 | 15 41 13 | 24°36'47 | 24°52 | 14°17 | 9°55 | 20° 7 | 0°17 | 8°57 | 3°26 | 25°46 | 27° 5 | 20°D35 | 20°24 | 13°11 | n.a. | W 4 |
| T 5 | 15 45 10 | 25°33'57 | 7♓ 2 | 15°56 | 10°56 | 20°46 | 0°30 | 8°54 | 3°24 | 25°45 | 27° 4 | 20°35 | 20°21 | 13°18 | n.a. | T 5 |
| F 6 | 15 49 6 | 26°31'08 | 19° 1 | 17°34 | 11°56 | 21°25 | 0°43 | 8°52 | 3°22 | 25°43 | 27° 4 | 20°36 | 20°18 | 13°25 | n.a. | F 6 |
| S 7 | 15 53 3 | 27°28'20 | 0♈53 | 19° 9 | 12°57 | 22° 3 | 0°56 | 8°50 | 3°19 | 25°42 | 27° 3 | 20°36 | 20°15 | 13°31 | n.a. | S 7 |
| S 8 | 15 56 59 | 28°25'32 | 12°42 | 20°43 | 13°57 | 22°42 | 1° 9 | 8°48 | 3°17 | 25°40 | 27° 3 | 20°37 | 20°11 | 13°38 | n.a. | S 8 |
| M 9 | 16 0 56 | 29°22'46 | 24°32 | 22°15 | 14°56 | 23°21 | 1°21 | 8°46 | 3°15 | 25°38 | 27° 2 | 20°38 | 20° 8 | 13°45 | n.a. | M 9 |
| T 10 | 16 4 52 | 0♊20'01 | 6♉27 | 23°45 | 15°56 | 23°59 | 1°34 | 8°44 | 3°13 | 25°37 | 27° 2 | 20°38 | 20° 5 | 13°51 | n.a. | T 10 |
| W11 | 16 8 49 | 1°17'17 | 18°30 | 25°13 | 16°55 | 24°38 | 1°47 | 8°42 | 3°11 | 25°35 | 27° 1 | 20°R39 | 20° 2 | 13°58 | n.a. | W11 |
| T 12 | 16 12 46 | 2°14'34 | 0♊41 | 26°39 | 17°53 | 25°17 | 2° 0 | 8°40 | 3° 9 | 25°33 | 27° 1 | 20°39 | 19°59 | 14° 5 | n.a. | T 12 |
| F 13 | 16 16 42 | 3°11'52 | 13° 5 | 28° 3 | 18°52 | 25°55 | 2°13 | 8°39 | 3° 7 | 25°32 | 27° 0 | 20°38 | 19°55 | 14°11 | n.a. | F 13 |
| S 14 | 16 20 39 | 4° 9'10 | 25°40 | 29°25 | 19°50 | 26°34 | 2°25 | 8°37 | 3° 5 | 25°30 | 27° 0 | 20°36 | 19°52 | 14°18 | n.a. | S 14 |
| S 15 | 16 24 35 | 5° 6'30 | 8♋29 | 0♋45 | 20°47 | 27°12 | 2°38 | 8°35 | 3° 3 | 25°29 | 27° 0 | 20°35 | 19°49 | 14°25 | n.a. | S 15 |
| M16 | 16 28 32 | 6° 3'51 | 21°32 | 2° 3 | 21°44 | 27°51 | 2°50 | 8°34 | 3° 1 | 25°27 | 26°59 | 20°32 | 19°46 | 14°31 | n.a. | M16 |
| T 17 | 16 32 28 | 7° 1'12 | 4♌50 | 3°19 | 22°41 | 28°29 | 3° 3 | 8°33 | 2°59 | 25°25 | 26°59 | 20°31 | 19°43 | 14°38 | n.a. | T 17 |
| W18 | 16 36 25 | 7°58'34 | 18°22 | 4°33 | 23°37 | 29° 8 | 3°15 | 8°32 | 2°57 | 25°24 | 26°59 | 20°29 | 19°40 | 14°45 | n.a. | W18 |
| T 19 | 16 40 22 | 8°55'57 | 2♍ 9 | 5°44 | 24°33 | 29°46 | 3°28 | 8°30 | 2°56 | 25°22 | 26°59 | 20°28 | 19°36 | 14°51 | n.a. | T 19 |
| F 20 | 16 44 18 | 9°53'21 | 16°10 | 6°53 | 25°28 | 0♊25 | 3°40 | 8°29 | 2°54 | 25°21 | 26°58 | 20°D28 | 19°33 | 14°58 | n.a. | F 20 |
| S 21 | 16 48 15 | 10°50'46 | 0♎24 | 8° 0 | 26°22 | 1° 3 | 3°52 | 8°28 | 2°52 | 25°19 | 26°58 | 20°29 | 19°30 | 15° 5 | n.a. | S 21 |
| S 22 | 16 52 11 | 11°48'12 | 14°49 | 9° 4 | 27°16 | 1°42 | 4° 4 | 8°28 | 2°50 | 25°18 | 26°58 | 20°30 | 19°27 | 15°11 | n.a. | S 22 |
| M23 | 16 56 8 | 12°45'38 | 29°21 | 10° 5 | 28°10 | 2°20 | 4°16 | 8°27 | 2°49 | 25°16 | 26°58 | 20°31 | 19°24 | 15°18 | n.a. | M23 |
| T 24 | 17 0 4 | 13°43'06 | 13♏57 | 11° 4 | 29° 3 | 2°58 | 4°29 | 8°26 | 2°47 | 25°15 | 26°58 | 20°R32 | 19°20 | 15°25 | n.a. | T 24 |
| W25 | 17 4 1 | 14°40'35 | 28°31 | 12° 0 | 29°55 | 3°37 | 4°41 | 8°26 | 2°45 | 25°13 | 26°D58 | 20°32 | 19°17 | 15°31 | n.a. | W25 |
| T 26 | 17 7 57 | 15°38'05 | 12♐56 | 12°53 | 0♌47 | 4°15 | 4°52 | 8°25 | 2°44 | 25°12 | 26°58 | 20°31 | 19°14 | 15°38 | n.a. | T 26 |
| F 27 | 17 11 54 | 16°35'37 | 27° 9 | 13°42 | 1°38 | 4°54 | 5° 4 | 8°25 | 2°42 | 25°10 | 26°58 | 20°28 | 19°11 | 15°45 | n.a. | F 27 |
| S 28 | 17 15 51 | 17°33'10 | 11♑ 3 | 14°29 | 2°29 | 5°32 | 5°16 | 8°24 | 2°41 | 25° 9 | 26°58 | 20°25 | 19° 8 | 15°51 | n.a. | S 28 |
| S 29 | 17 19 47 | 18°30'45 | 24°36 | 15°12 | 3°19 | 6°10 | 5°28 | 8°24 | 2°39 | 25° 7 | 26°58 | 20°21 | 19° 5 | 15°58 | n.a. | S 29 |
| M30 | 17 23 44 | 19♊28'21 | 7♒46 | 15♋51 | 4♌ 8 | 6♊49 | 5♉39 | 8°D24 | 2♏38 | 25♏ 6 | 26♍58 | 20♉16 | 19♉ 1 | 16♈ 5 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n34 | 27s14 | 4s23 | 24n11 | 1n56 | 25n44 | 2n 0 | 18n 6 | 0n32 | 10n52 | 0s45 | 1s18 | 2n35 | 12s41 | 0n17 | 18s27 | 1n12 | 15n 1 | 15n11 | 18n15 | 18n15 | 2n17 | | n.a. |
| M 2 | 18 49 | 25 27 | 4 56 | 24 25 | 1 55 | 25 38 | 1 57 | 18 17 | 0 32 | 10 57 | 0 45 | 1 17 | 2 35 | 12 40 | 0 17 | 18 27 | 1 12 | 15 1 | 15 11 | 18 15 | 18 14 | 2 20 | | n.a. |
| T 3 | 19 4 | 22 25 | 5 14 | 24 37 | 1 52 | 25 31 | 1 55 | 18 29 | 0 33 | 11 1 | 0 45 | 1 16 | 2 34 | 12 39 | 0 17 | 18 26 | 1 12 | 15 1 | 15 10 | 18 15 | 18 13 | 2 23 | | n.a. |
| W 4 | 19 18 | 18 27 | 5 16 | 24 47 | 1 49 | 25 24 | 1 52 | 18 40 | 0 33 | 11 6 | 0 45 | 1 16 | 2 34 | 12 39 | 0 17 | 18 26 | 1 12 | 15 1 | 15 10 | 18 15 | 18 12 | 2 27 | | n.a. |
| T 5 | 19 32 | 13 47 | 5 4 | 24 55 | 1 46 | 25 16 | 1 49 | 18 51 | 0 34 | 11 11 | 0 45 | 1 15 | 2 34 | 12 38 | 0 17 | 18 25 | 1 12 | 15 1 | 15 9 | 18 15 | 18 12 | 2 30 | | n.a. |
| F 6 | 19 46 | 8 42 | 4 39 | 25 1 | 1 42 | 25 7 | 1 45 | 19 2 | 0 34 | 11 15 | 0 45 | 1 14 | 2 34 | 12 37 | 0 17 | 18 25 | 1 12 | 15 0 | 15 9 | 18 16 | 18 11 | 2 33 | | n.a. |
| S 7 | 19 59 | 3 20 | 4 2 | 25 5 | 1 37 | 24 58 | 1 42 | 19 13 | 0 35 | 11 20 | 0 45 | 1 13 | 2 34 | 12 36 | 0 17 | 18 25 | 1 12 | 15 0 | 15 8 | 18 16 | 18 10 | 2 37 | | n.a. |
| S 8 | 20 13 | 2n 8 | 3 15 | 25 7 | 1 32 | 24 48 | 1 38 | 19 23 | 0 35 | 11 25 | 0 44 | 1 13 | 2 33 | 12 36 | 0 17 | 18 24 | 1 12 | 15 0 | 15 8 | 18 16 | 18 9 | 2 40 | | n.a. |
| M 9 | 20 25 | 7 32 | 2 20 | 25 8 | 1 27 | 24 38 | 1 35 | 19 34 | 0 36 | 11 29 | 0 44 | 1 12 | 2 33 | 12 35 | 0 17 | 18 24 | 1 12 | 15 0 | 15 7 | 18 16 | 18 8 | 2 43 | | n.a. |
| T 10 | 20 38 | 12 43 | 1 18 | 25 7 | 1 21 | 24 27 | 1 31 | 19 44 | 0 36 | 11 34 | 0 44 | 1 12 | 2 33 | 12 34 | 0 17 | 18 24 | 1 12 | 14 59 | 15 7 | 18 16 | 18 7 | 2 46 | | n.a. |
| W11 | 20 50 | 17 29 | 0 12 | 25 5 | 1 15 | 24 16 | 1 27 | 19 54 | 0 37 | 11 38 | 0 44 | 1 11 | 2 33 | 12 33 | 0 17 | 18 23 | 1 12 | 14 59 | 15 6 | 18 16 | 18 6 | 2 50 | | n.a. |
| T 12 | 21 2 | 21 36 | 0n55 | 25 0 | 1 8 | 24 4 | 1 22 | 20 4 | 0 37 | 11 43 | 0 44 | 1 11 | 2 32 | 12 33 | 0 17 | 18 23 | 1 12 | 14 59 | 15 6 | 18 16 | 18 5 | 2 53 | | n.a. |
| F 13 | 21 13 | 24 50 | 2 1 | 24 55 | 1 1 | 23 51 | 1 18 | 20 14 | 0 38 | 11 47 | 0 44 | 1 10 | 2 32 | 12 32 | 0 17 | 18 22 | 1 12 | 14 58 | 15 5 | 18 16 | 18 5 | 2 56 | | n.a. |
| S 14 | 21 24 | 26 53 | 3 2 | 24 48 | 0 53 | 23 38 | 1 14 | 20 24 | 0 38 | 11 52 | 0 44 | 1 10 | 2 32 | 12 31 | 0 17 | 18 22 | 1 11 | 14 58 | 15 5 | 18 16 | 18 4 | 3 0 | | n.a. |
| S 15 | 21 35 | 27 33 | 3 55 | 24 40 | 0 45 | 23 25 | 1 9 | 20 34 | 0 39 | 11 56 | 0 44 | 1 9 | 2 32 | 12 31 | 0 17 | 18 22 | 1 11 | 14 58 | 15 4 | 18 15 | 18 3 | 3 3 | | n.a. |
| M16 | 21 45 | 26 42 | 4 36 | 24 31 | 0 37 | 23 11 | 1 4 | 20 43 | 0 39 | 12 1 | 0 44 | 1 9 | 2 31 | 12 30 | 0 17 | 18 21 | 1 11 | 14 57 | 15 4 | 18 15 | 18 2 | 3 6 | | n.a. |
| T 17 | 21 55 | 24 21 | 5 4 | 24 21 | 0 28 | 22 56 | 0 59 | 20 52 | 0 40 | 12 5 | 0 44 | 1 9 | 2 31 | 12 29 | 0 17 | 18 21 | 1 11 | 14 57 | 15 3 | 18 14 | 18 1 | 3 9 | | n.a. |
| W18 | 22 5 | 20 36 | 5 15 | 24 9 | 0 19 | 22 42 | 0 54 | 21 1 | 0 40 | 12 9 | 0 44 | 1 9 | 2 31 | 12 29 | 0 17 | 18 21 | 1 11 | 14 57 | 15 3 | 18 14 | 18 0 | 3 13 | | n.a. |
| T 19 | 22 14 | 15 42 | 5 9 | 23 57 | 0 9 | 22 26 | 0 48 | 21 10 | 0 41 | 12 14 | 0 44 | 1 8 | 2 31 | 12 28 | 0 17 | 18 20 | 1 11 | 14 56 | 15 2 | 18 13 | 17 59 | 3 16 | | n.a. |
| F 20 | 22 23 | 9 55 | 4 44 | 23 44 | 0s 0 | 22 11 | 0 43 | 21 19 | 0 41 | 12 18 | 0 44 | 1 8 | 2 30 | 12 28 | 0 17 | 18 20 | 1 11 | 14 56 | 15 1 | 18 13 | 17 58 | 3 19 | | n.a. |
| S 21 | 22 31 | 3 32 | 4 2 | 23 30 | 0 10 | 21 55 | 0 37 | 21 28 | 0 42 | 12 22 | 0 44 | 1 8 | 2 30 | 12 27 | 0 17 | 18 20 | 1 11 | 14 55 | 15 1 | 18 14 | 17 58 | 3 23 | | n.a. |
| S 22 | 22 39 | 3s 7 | 3 4 | 23 16 | 0 21 | 21 38 | 0 31 | 21 36 | 0 42 | 12 27 | 0 44 | 1 8 | 2 30 | 12 26 | 0 17 | 18 19 | 1 11 | 14 55 | 15 0 | 18 14 | 17 57 | 3 26 | | n.a. |
| M23 | 22 47 | 9 41 | 1 54 | 23 1 | 0 31 | 21 21 | 0 25 | 21 45 | 0 43 | 12 31 | 0 44 | 1 8 | 2 30 | 12 26 | 0 17 | 18 19 | 1 11 | 14 54 | 15 0 | 18 14 | 17 56 | 3 29 | | n.a. |
| T 24 | 22 54 | 15 46 | 0 36 | 22 45 | 0 42 | 21 4 | 0 19 | 21 53 | 0 43 | 12 35 | 0 44 | 1 8 | 2 29 | 12 25 | 0 17 | 18 18 | 1 11 | 14 54 | 14 59 | 18 15 | 17 55 | 3 32 | | n.a. |
| W25 | 23 1 | 20 56 | 0s44 | 22 29 | 0 53 | 20 47 | 0 12 | 22 1 | 0 44 | 12 39 | 0 44 | 1 8 | 2 29 | 12 25 | 0 17 | 18 18 | 1 11 | 14 53 | 14 59 | 18 15 | 17 54 | 3 36 | | n.a. |
| T 26 | 23 8 | 24 48 | 2 0 | 22 13 | 1 5 | 20 29 | 0 6 | 22 9 | 0 44 | 12 43 | 0 44 | 1 8 | 2 29 | 12 24 | 0 17 | 18 18 | 1 11 | 14 53 | 14 58 | 18 14 | 17 53 | 3 39 | | n.a. |
| F 27 | 23 14 | 27 1 | 3 8 | 21 56 | 1 16 | 20 11 | 0s 1 | 22 16 | 0 45 | 12 47 | 0 44 | 1 8 | 2 28 | 12 24 | 0 17 | 18 17 | 1 11 | 14 52 | 14 58 | 18 14 | 17 52 | 3 42 | | n.a. |
| S 28 | 23 19 | 27 29 | 4 2 | 21 40 | 1 28 | 19 52 | 0 8 | 22 24 | 0 45 | 12 51 | 0 44 | 1 8 | 2 28 | 12 23 | 0 17 | 18 17 | 1 11 | 14 52 | 14 57 | 18 13 | 17 51 | 3 45 | | n.a. |
| S 29 | 23 25 | 26 15 | 4 42 | 21 23 | 1 40 | 19 34 | 0 15 | 22 31 | 0 46 | 12 55 | 0 44 | 1 8 | 2 28 | 12 23 | 0 17 | 18 17 | 1 11 | 14 51 | 14 56 | 18 11 | 17 50 | 3 49 | | n.a. |
| M30 | 23n30 | 23s36 | 5s 6 | 21n 7 | 1s52 | 19n15 | 0s22 | 22n38 | 0n46 | 12n59 | 0s44 | 1s 9 | 2n28 | 12s22 | 0n17 | 18s16 | 1n11 | 14n51 | 14n56 | 18n10 | 17n50 | 3n52 | | n.a. |

Julian Day Number = 1004953.5, Delta T = 12h46m46s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'08, Lahiri = -31°00'07 Julian Calendar 1 June 1962 BCE == Greg. Calendar 15 May 1962 BCE


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## JULY 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 27 40 | 20♊25'59 | 20♒33 | 16♋26 | 4♌56 | 7♊27 | 5♉51 | 8♎24 | 2°R37 | 25°R 4 | 26♍59 | 20°R13 | 18♉58 | 16♈11 | n.a. | T 1 |
| W 2 | 17 31 37 | 21°23'38 | 3♓ 1 | 16°57 | 5°44 | 8° 5 | 6° 2 | 8°24 | 2♏35 | 25♏ 3 | 26°59 | 20♉10 | 18°55 | 16°18 | n.a. | W 2 |
| T 3 | 17 35 33 | 22°21'20 | 15°12 | 17°24 | 6°30 | 8°43 | 6°14 | 8°24 | 2°34 | 25° 1 | 26°59 | 20° 8 | 18°52 | 16°25 | n.a. | T 3 |
| F 4 | 17 39 30 | 23°19'03 | 27°11 | 17°47 | 7°16 | 9°22 | 6°25 | 8°25 | 2°33 | 25° 0 | 26°59 | 20°D 8 | 18°49 | 16°31 | n.a. | F 4 |
| S 5 | 17 43 27 | 24°16'48 | 9♈ 3 | 18° 4 | 8° 2 | 10° 0 | 6°36 | 8°25 | 2°31 | 24°59 | 27° 0 | 20° 9 | 18°46 | 16°38 | n.a. | S 5 |
| S 6 | 17 47 23 | 25°14'34 | 20°53 | 18°17 | 8°46 | 10°38 | 6°48 | 8°26 | 2°30 | 24°57 | 27° 0 | 20°11 | 18°42 | 16°45 | n.a. | S 6 |
| M 7 | 17 51 20 | 26°12'23 | 2♉45 | 18°24 | 9°29 | 11°16 | 6°59 | 8°26 | 2°29 | 24°56 | 27° 0 | 20°12 | 18°39 | 16°51 | n.a. | M 7 |
| T 8 | 17 55 16 | 27°10'14 | 14°44 | 18°R26 | 10°12 | 11°54 | 7°10 | 8°27 | 2°28 | 24°55 | 27° 1 | 20°R13 | 18°36 | 16°58 | n.a. | T 8 |
| W 9 | 17 59 13 | 28° 8'06 | 26°54 | 18°23 | 10°53 | 12°33 | 7°21 | 8°28 | 2°27 | 24°53 | 27° 1 | 20°13 | 18°33 | 17° 5 | n.a. | W 9 |
| T 10 | 18 3 9 | 29° 6'00 | 9♊17 | 18°13 | 11°34 | 13°11 | 7°31 | 8°29 | 2°26 | 24°52 | 27° 2 | 20°12 | 18°30 | 17°11 | n.a. | T 10 |
| F 11 | 18 7 6 | 0♋ 3'57 | 21°57 | 17°58 | 12°13 | 13°49 | 7°42 | 8°29 | 2°25 | 24°51 | 27° 2 | 20° 8 | 18°26 | 17°18 | n.a. | F 11 |
| S 12 | 18 11 2 | 1° 1'55 | 4♋52 | 17°37 | 12°51 | 14°27 | 7°53 | 8°31 | 2°24 | 24°50 | 27° 3 | 20° 3 | 18°23 | 17°25 | n.a. | S 12 |
| S 13 | 18 14 59 | 1°59'54 | 18° 5 | 17°10 | 13°28 | 15° 5 | 8° 3 | 8°32 | 2°23 | 24°48 | 27° 4 | 19°56 | 18°20 | 17°31 | n.a. | S 13 |
| M14 | 18 18 56 | 2°57'56 | 1♌32 | 16°37 | 14° 4 | 15°44 | 8°14 | 8°33 | 2°23 | 24°47 | 27° 4 | 19°49 | 18°17 | 17°38 | n.a. | M14 |
| T 15 | 18 22 52 | 3°55'59 | 15°12 | 15°58 | 14°39 | 16°22 | 8°24 | 8°34 | 2°22 | 24°46 | 27° 5 | 19°42 | 18°14 | 17°45 | n.a. | T 15 |
| W16 | 18 26 49 | 4°54'04 | 29° 2 | 15°15 | 15°12 | 17° 0 | 8°34 | 8°36 | 2°21 | 24°45 | 27° 6 | 19°36 | 18°11 | 17°51 | n.a. | W16 |
| T 17 | 18 30 45 | 5°52'10 | 13♍ 0 | 14°27 | 15°44 | 17°38 | 8°45 | 8°37 | 2°20 | 24°44 | 27° 6 | 19°32 | 18° 7 | 17°58 | n.a. | T 17 |
| F 18 | 18 34 42 | 6°50'18 | 27° 4 | 13°35 | 16°15 | 18°16 | 8°55 | 8°39 | 2°20 | 24°43 | 27° 7 | 19°30 | 18° 4 | 18° 5 | n.a. | F 18 |
| S 19 | 18 38 38 | 7°48'27 | 11♎12 | 12°40 | 16°44 | 18°54 | 9° 5 | 8°41 | 2°19 | 24°42 | 27° 8 | 19°D30 | 18° 1 | 18°11 | n.a. | S 19 |
| S 20 | 18 42 35 | 8°46'38 | 25°22 | 11°43 | 17°11 | 19°32 | 9°14 | 8°42 | 2°19 | 24°41 | 27° 9 | 19°31 | 17°58 | 18°18 | n.a. | S 20 |
| M21 | 18 46 31 | 9°44'51 | 9♏34 | 10°45 | 17°38 | 20°10 | 9°24 | 8°44 | 2°18 | 24°39 | 27°10 | 19°32 | 17°55 | 18°25 | n.a. | M21 |
| T 22 | 18 50 28 | 10°43'05 | 23°45 | 9°48 | 18° 2 | 20°48 | 9°34 | 8°46 | 2°18 | 24°38 | 27°11 | 19°R32 | 17°52 | 18°31 | n.a. | T 22 |
| W23 | 18 54 25 | 11°41'21 | 7♐52 | 8°52 | 18°25 | 21°26 | 9°43 | 8°48 | 2°18 | 24°37 | 27°11 | 19°30 | 17°48 | 18°38 | n.a. | W23 |
| T 24 | 18 58 21 | 12°39'39 | 21°53 | 7°59 | 18°45 | 22° 4 | 9°53 | 8°51 | 2°17 | 24°37 | 27°12 | 19°27 | 17°45 | 18°45 | n.a. | T 24 |
| F 25 | 19 2 18 | 13°37'59 | 5♑45 | 7°10 | 19° 5 | 22°42 | 10° 2 | 8°53 | 2°17 | 24°36 | 27°13 | 19°21 | 17°42 | 18°51 | n.a. | F 25 |
| S 26 | 19 6 14 | 14°36'21 | 19°22 | 6°26 | 19°22 | 23°20 | 10°11 | 8°55 | 2°17 | 24°35 | 27°14 | 19°12 | 17°39 | 18°58 | n.a. | S 26 |
| S 27 | 19 10 11 | 15°34'45 | 2♒44 | 5°49 | 19°37 | 23°58 | 10°20 | 8°58 | 2°17 | 24°34 | 27°16 | 19° 3 | 17°36 | 19° 5 | n.a. | S 27 |
| M28 | 19 14 7 | 16°33'11 | 15°47 | 5°19 | 19°50 | 24°36 | 10°29 | 9° 0 | 2°17 | 24°33 | 27°17 | 18°53 | 17°32 | 19°11 | n.a. | M28 |
| T 29 | 19 18 4 | 17°31'39 | 28°31 | 4°57 | 20° 2 | 25°14 | 10°38 | 9° 3 | 2°16 | 24°32 | 27°18 | 18°44 | 17°29 | 19°18 | n.a. | T 29 |
| W30 | 19 22 0 | 18°30'09 | 10♓57 | 4°44 | 20°11 | 25°52 | 10°47 | 9° 6 | 2°D16 | 24°31 | 27°19 | 18°36 | 17°26 | 19°25 | n.a. | W30 |
| T 31 | 19 25 57 | 19♋28'42 | 23♓ 7 | 4°D40 | 20♌18 | 26♊30 | 10♉55 | 9♎ 8 | 2♏16 | 24♏31 | 27♍20 | 18♉30 | 17♉23 | 19♈31 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 23n34 | 19s51 | 5s13 | 20n51 | 2s 4 | 18n56 | 0s30 | 22n45 | 0n47 | 13n 3 | 0s44 | 1s 9 | 2n27 | 12s22 | 0n17 | 18s16 | 1n11 | 14n50 | 14n55 | 18n 9 | 17n49 | 3n55 | | | n.a. |
| W 2 | 23 38 | 15 19 | 5 5 | 20 35 | 2 16 | 18 37 | 0 38 | 22 52 | 0 47 | 13 7 | 0 44 | 1 9 | 2 27 | 12 21 | 0 17 | 18 16 | 1 11 | 14 49 | 14 55 | 18 9 | 17 48 | 3 59 | | | n.a. |
| T 3 | 23 42 | 10 17 | 4 44 | 20 19 | 2 28 | 18 17 | 0 46 | 22 59 | 0 47 | 13 11 | 0 44 | 1 9 | 2 27 | 12 21 | 0 17 | 18 15 | 1 11 | 14 49 | 14 54 | 18 8 | 17 47 | 4 2 | | | n.a. |
| F 4 | 23 45 | 4 57 | 4 10 | 20 5 | 2 39 | 17 58 | 0 54 | 23 5 | 0 48 | 13 15 | 0 44 | 1 10 | 2 27 | 12 20 | 0 17 | 18 15 | 1 11 | 14 48 | 14 54 | 18 8 | 17 46 | 4 5 | | | n.a. |
| S 5 | 23 48 | 0n31 | 3 26 | 19 51 | 2 51 | 17 38 | 1 2 | 23 12 | 0 48 | 13 18 | 0 44 | 1 10 | 2 26 | 12 20 | 0 17 | 18 15 | 1 11 | 14 48 | 14 53 | 18 8 | 17 45 | 4 8 | | | n.a. |
| S 6 | 23 50 | 5 57 | 2 33 | 19 38 | 3 3 | 17 18 | 1 11 | 23 18 | 0 49 | 13 22 | 0 44 | 1 11 | 2 26 | 12 20 | 0 17 | 18 15 | 1 11 | 14 47 | 14 52 | 18 9 | 17 44 | 4 12 | | | n.a. |
| M 7 | 23 52 | 11 12 | 1 34 | 19 25 | 3 14 | 16 58 | 1 19 | 23 24 | 0 49 | 13 26 | 0 44 | 1 11 | 2 26 | 12 19 | 0 16 | 18 14 | 1 11 | 14 46 | 14 52 | 18 9 | 17 43 | 4 15 | | | n.a. |
| T 8 | 23 53 | 16 6 | 0 30 | 19 14 | 3 25 | 16 38 | 1 28 | 23 30 | 0 50 | 13 30 | 0 44 | 1 12 | 2 25 | 12 19 | 0 16 | 18 14 | 1 11 | 14 46 | 14 51 | 18 9 | 17 42 | 4 18 | | | n.a. |
| W 9 | 23 54 | 20 27 | 0n36 | 19 5 | 3 35 | 16 18 | 1 37 | 23 35 | 0 50 | 13 33 | 0 44 | 1 12 | 2 25 | 12 19 | 0 16 | 18 14 | 1 11 | 14 45 | 14 51 | 18 9 | 17 42 | 4 22 | | | n.a. |
| T 10 | 23 55 | 23 58 | 1 42 | 18 56 | 3 45 | 15 58 | 1 46 | 23 41 | 0 51 | 13 37 | 0 44 | 1 13 | 2 25 | 12 18 | 0 16 | 18 13 | 1 11 | 14 44 | 14 50 | 18 9 | 17 41 | 4 25 | | | n.a. |
| F 11 | 23 55 | 26 24 | 2 44 | 18 50 | 3 54 | 15 38 | 1 56 | 23 46 | 0 51 | 13 40 | 0 44 | 1 13 | 2 25 | 12 18 | 0 16 | 18 13 | 1 11 | 14 43 | 14 50 | 18 8 | 17 40 | 4 28 | | | n.a. |
| S 12 | 23 55 | 27 28 | 3 38 | 18 44 | 4 2 | 15 17 | 2 6 | 23 51 | 0 52 | 13 44 | 0 44 | 1 14 | 2 24 | 12 18 | 0 16 | 18 13 | 1 11 | 14 43 | 14 49 | 18 7 | 17 39 | 4 31 | | | n.a. |
| S 13 | 23 54 | 27 0 | 4 22 | 18 41 | 4 9 | 14 57 | 2 15 | 23 56 | 0 52 | 13 47 | 0 44 | 1 15 | 2 24 | 12 17 | 0 16 | 18 13 | 1 11 | 14 42 | 14 48 | 18 5 | 17 38 | 4 35 | | | n.a. |
| M14 | 23 53 | 24 58 | 4 53 | 18 39 | 4 15 | 14 37 | 2 25 | 24 1 | 0 52 | 13 51 | 0 44 | 1 16 | 2 24 | 12 17 | 0 16 | 18 12 | 1 11 | 14 41 | 14 48 | 18 3 | 17 37 | 4 38 | | | n.a. |
| T 15 | 23 52 | 21 29 | 5 7 | 18 39 | 4 19 | 14 17 | 2 36 | 24 5 | 0 53 | 13 54 | 0 44 | 1 16 | 2 24 | 12 17 | 0 16 | 18 12 | 1 11 | 14 40 | 14 47 | 18 1 | 17 36 | 4 41 | | | n.a. |
| W16 | 23 50 | 16 47 | 5 4 | 18 42 | 4 22 | 13 58 | 2 46 | 24 9 | 0 53 | 13 57 | 0 44 | 1 17 | 2 23 | 12 17 | 0 16 | 18 12 | 1 11 | 14 40 | 14 47 | 17 59 | 17 35 | 4 45 | | | n.a. |
| T 17 | 23 47 | 11 9 | 4 43 | 18 46 | 4 23 | 13 38 | 2 57 | 24 14 | 0 54 | 14 1 | 0 44 | 1 18 | 2 23 | 12 16 | 0 16 | 18 12 | 1 11 | 14 39 | 14 46 | 17 58 | 17 34 | 4 48 | | | n.a. |
| F 18 | 23 44 | 4 55 | 4 5 | 18 52 | 4 23 | 13 19 | 3 7 | 24 18 | 0 54 | 14 4 | 0 44 | 1 19 | 2 23 | 12 16 | 0 16 | 18 11 | 1 10 | 14 38 | 14 46 | 17 58 | 17 33 | 4 51 | | | n.a. |
| S 19 | 23 41 | 1s35 | 3 12 | 18 59 | 4 20 | 12 59 | 3 18 | 24 21 | 0 55 | 14 7 | 0 44 | 1 20 | 2 22 | 12 16 | 0 16 | 18 11 | 1 10 | 14 37 | 14 45 | 17 57 | 17 33 | 4 54 | | | n.a. |
| S 20 | 23 37 | 8 3 | 2 6 | 19 9 | 4 16 | 12 40 | 3 29 | 24 25 | 0 55 | 14 11 | 0 44 | 1 21 | 2 22 | 12 16 | 0 16 | 18 11 | 1 10 | 14 36 | 14 45 | 17 58 | 17 32 | 4 58 | | | n.a. |
| M21 | 23 33 | 14 8 | 0 53 | 19 20 | 4 9 | 12 22 | 3 41 | 24 28 | 0 56 | 14 14 | 0 44 | 1 22 | 2 22 | 12 16 | 0 16 | 18 11 | 1 10 | 14 35 | 14 44 | 17 58 | 17 31 | 5 1 | | | n.a. |
| T 22 | 23 29 | 19 27 | 0s23 | 19 33 | 4 1 | 12 3 | 3 52 | 24 32 | 0 56 | 14 17 | 0 44 | 1 23 | 2 22 | 12 16 | 0 16 | 18 11 | 1 10 | 14 35 | 14 43 | 17 58 | 17 30 | 5 4 | | | n.a. |
| W23 | 23 24 | 23 39 | 1 37 | 19 47 | 3 50 | 11 45 | 4 4 | 24 35 | 0 57 | 14 20 | 0 44 | 1 24 | 2 21 | 12 16 | 0 16 | 18 10 | 1 10 | 14 34 | 14 43 | 17 58 | 17 29 | 5 8 | | | n.a. |
| T 24 | 23 18 | 26 24 | 2 45 | 20 3 | 3 38 | 11 28 | 4 15 | 24 38 | 0 57 | 14 23 | 0 44 | 1 25 | 2 21 | 12 15 | 0 16 | 18 10 | 1 10 | 14 33 | 14 42 | 17 57 | 17 28 | 5 11 | | | n.a. |
| F 25 | 23 12 | 27 29 | 3 42 | 20 19 | 3 25 | 11 11 | 4 27 | 24 40 | 0 57 | 14 26 | 0 44 | 1 26 | 2 21 | 12 15 | 0 16 | 18 10 | 1 10 | 14 32 | 14 42 | 17 55 | 17 27 | 5 14 | | | n.a. |
| S 26 | 23 6 | 26 51 | 4 25 | 20 36 | 3 10 | 10 54 | 4 39 | 24 43 | 0 58 | 14 29 | 0 44 | 1 27 | 2 21 | 12 15 | 0 16 | 18 10 | 1 10 | 14 31 | 14 41 | 17 53 | 17 26 | 5 17 | | | n.a. |
| S 27 | 22 59 | 24 41 | 4 53 | 20 54 | 2 53 | 10 38 | 4 51 | 24 45 | 0 58 | 14 32 | 0 44 | 1 29 | 2 20 | 12 15 | 0 16 | 18 10 | 1 10 | 14 30 | 14 41 | 17 50 | 17 25 | 5 21 | | | n.a. |
| M28 | 22 52 | 21 15 | 5 4 | 21 13 | 2 36 | 10 22 | 5 3 | 24 47 | 0 59 | 14 35 | 0 44 | 1 30 | 2 20 | 12 15 | 0 16 | 18 9 | 1 10 | 14 29 | 14 40 | 17 47 | 17 24 | 5 24 | | | n.a. |
| T 29 | 22 45 | 16 54 | 5 0 | 21 31 | 2 18 | 10 7 | 5 15 | 24 49 | 0 59 | 14 37 | 0 44 | 1 31 | 2 20 | 12 15 | 0 16 | 18 9 | 1 10 | 14 28 | 14 40 | 17 45 | 17 24 | 5 27 | | | n.a. |
| W30 | 22 37 | 11 56 | 4 42 | 21 50 | 2 0 | 9 53 | 5 27 | 24 51 | 1 0 | 14 40 | 0 44 | 1 33 | 2 20 | 12 15 | 0 16 | 18 9 | 1 10 | 14 27 | 14 39 | 17 42 | 17 23 | 5 31 | | | n.a. |
| T 31 | 22n28 | 6s37 | 4s11 | 22n 9 | 1s42 | 9n39 | 5s40 | 24n52 | 1n 0 | 14n43 | 0s44 | 1s34 | 2n19 | 12s15 | 0n16 | 18s 9 | 1n10 | 14n26 | 14n39 | 17n41 | 17n22 | 5n34 | | | n.a. |

Julian Day Number = 1004983.5, Delta T = 12h46m44s
Ecliptic obliquity = 23°55'18, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°07'03, Lahiri = -31°00'03 Julian Calendar 1 July 1962 BCE == Greg. Calendar 14 June 1962 BCE

The year -1961 astronomical counting style corresponds to year 1962 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## AUGUST 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 29 53 | 20♋27'16 | 5♈ 6 | 4♋45 | 20♌22 | 27♊ 8 | 11♉ 4 | 9♎11 | 2♏17 | 24°R30 | 27♍21 | 18°R27 | 17♉20 | 19♈38 | n.a. | F 1 |
| S 2 | 19 33 50 | 21°25'54 | 16°57 | 4°59 | 20°25 | 27°46 | 11°12 | 9°14 | 2°17 | 24♏29 | 27°23 | 18°D25 | 17°17 | 19°45 | n.a. | S 2 |
| S 3 | 19 37 47 | 22°24'33 | 28°46 | 5°23 | 20°R25 | 28°24 | 11°20 | 9°17 | 2°17 | 24°28 | 27°24 | 18♉25 | 17°13 | 19°51 | n.a. | S 3 |
| M 4 | 19 41 43 | 23°23'15 | 10♉38 | 5°56 | 20°23 | 29° 2 | 11°28 | 9°20 | 2°17 | 24°28 | 27°25 | 18°26 | 17°10 | 19°58 | n.a. | M 4 |
| T 5 | 19 45 40 | 24°22'00 | 22°39 | 6°38 | 20°19 | 29°40 | 11°36 | 9°24 | 2°17 | 24°27 | 27°26 | 18°R26 | 17° 7 | 20° 5 | n.a. | T 5 |
| W 6 | 19 49 36 | 25°20'47 | 4♊53 | 7°27 | 20°12 | 0♋18 | 11°44 | 9°27 | 2°18 | 24°27 | 27°28 | 18°25 | 17° 4 | 20°11 | n.a. | W 6 |
| T 7 | 19 53 33 | 26°19'36 | 17°24 | 8°25 | 20° 3 | 0°55 | 11°52 | 9°30 | 2°18 | 24°26 | 27°29 | 18°21 | 17° 1 | 20°18 | n.a. | T 7 |
| F 8 | 19 57 29 | 27°18'28 | 0♋16 | 9°30 | 19°51 | 1°33 | 11°59 | 9°34 | 2°19 | 24°26 | 27°31 | 18°15 | 16°58 | 20°25 | n.a. | F 8 |
| S 9 | 20 1 26 | 28°17'22 | 13°30 | 10°42 | 19°37 | 2°11 | 12° 6 | 9°37 | 2°19 | 24°25 | 27°32 | 18° 6 | 16°54 | 20°31 | n.a. | S 9 |
| S 10 | 20 5 22 | 29°16'18 | 27° 5 | 11°59 | 19°21 | 2°49 | 12°14 | 9°41 | 2°20 | 24°25 | 27°34 | 17°56 | 16°51 | 20°38 | n.a. | S 10 |
| M11 | 20 9 19 | 0♌15'17 | 10♌58 | 13°22 | 19° 3 | 3°27 | 12°21 | 9°45 | 2°20 | 24°24 | 27°35 | 17°44 | 16°48 | 20°45 | n.a. | M11 |
| T 12 | 20 13 16 | 1°14'17 | 25° 5 | 14°50 | 18°42 | 4° 5 | 12°28 | 9°49 | 2°21 | 24°24 | 27°37 | 17°33 | 16°45 | 20°51 | n.a. | T 12 |
| W13 | 20 17 12 | 2°13'20 | 9♍21 | 16°22 | 18°19 | 4°43 | 12°34 | 9°53 | 2°22 | 24°23 | 27°38 | 17°23 | 16°42 | 20°58 | n.a. | W13 |
| T 14 | 20 21 9 | 3°12'24 | 23°40 | 17°57 | 17°54 | 5°21 | 12°41 | 9°57 | 2°22 | 24°23 | 27°40 | 17°16 | 16°38 | 21° 5 | n.a. | T 14 |
| F 15 | 20 25 5 | 4°11'31 | 7♎59 | 19°36 | 17°27 | 5°58 | 12°48 | 10° 1 | 2°23 | 24°23 | 27°42 | 17°11 | 16°35 | 21°11 | n.a. | F 15 |
| S 16 | 20 29 2 | 5°10'39 | 22°13 | 21°16 | 16°58 | 6°36 | 12°54 | 10° 5 | 2°24 | 24°22 | 27°43 | 17° 9 | 16°32 | 21°18 | n.a. | S 16 |
| S 17 | 20 32 58 | 6° 9'49 | 6♏20 | 22°59 | 16°28 | 7°14 | 13° 0 | 10° 9 | 2°25 | 24°22 | 27°45 | 17°D 8 | 16°29 | 21°25 | n.a. | S 17 |
| M18 | 20 36 55 | 7° 9'02 | 20°20 | 24°43 | 15°56 | 7°52 | 13° 6 | 10°13 | 2°26 | 24°22 | 27°47 | 17°R 8 | 16°26 | 21°31 | n.a. | M18 |
| T 19 | 20 40 51 | 8° 8'16 | 4♐13 | 26°29 | 15°23 | 8°30 | 13°12 | 10°17 | 2°27 | 24°22 | 27°48 | 17° 8 | 16°23 | 21°38 | n.a. | T 19 |
| W20 | 20 44 48 | 9° 7'32 | 17°57 | 28°15 | 14°48 | 9° 7 | 13°18 | 10°22 | 2°28 | 24°22 | 27°50 | 17° 5 | 16°19 | 21°45 | n.a. | W20 |
| T 21 | 20 48 44 | 10° 6'51 | 1♑33 | 0♌ 2 | 14°13 | 9°45 | 13°23 | 10°26 | 2°29 | 24°21 | 27°52 | 16°59 | 16°16 | 21°51 | n.a. | T 21 |
| F 22 | 20 52 41 | 11° 6'11 | 15° 0 | 1°49 | 13°37 | 10°23 | 13°28 | 10°31 | 2°30 | 24°21 | 27°54 | 16°51 | 16°13 | 21°58 | n.a. | F 22 |
| S 23 | 20 56 38 | 12° 5'33 | 28°15 | 3°36 | 13° 1 | 11° 1 | 13°34 | 10°36 | 2°32 | 24°21 | 27°55 | 16°40 | 16°10 | 22° 5 | n.a. | S 23 |
| S 24 | 21 0 34 | 13° 4'58 | 11♒18 | 5°24 | 12°24 | 11°38 | 13°39 | 10°40 | 2°33 | 24°D21 | 27°57 | 16°27 | 16° 7 | 22°11 | n.a. | S 24 |
| M25 | 21 4 31 | 14° 4'24 | 24° 6 | 7°11 | 11°48 | 12°16 | 13°44 | 10°45 | 2°34 | 24°21 | 27°59 | 16°13 | 16° 4 | 22°18 | n.a. | M25 |
| T 26 | 21 8 27 | 15° 3'53 | 6♓40 | 8°57 | 11°11 | 12°54 | 13°48 | 10°50 | 2°36 | 24°21 | 28° 1 | 16° 0 | 16° 0 | 22°25 | n.a. | T 26 |
| W27 | 21 12 24 | 16° 3'24 | 18°59 | 10°44 | 10°36 | 13°32 | 13°53 | 10°55 | 2°37 | 24°22 | 28° 3 | 15°49 | 15°57 | 22°31 | n.a. | W27 |
| T 28 | 21 16 20 | 17° 2'58 | 1♈ 5 | 12°30 | 10° 1 | 14° 9 | 13°57 | 11° 0 | 2°38 | 24°22 | 28° 5 | 15°40 | 15°54 | 22°38 | n.a. | T 28 |
| F 29 | 21 20 17 | 18° 2'34 | 13° 1 | 14°15 | 9°27 | 14°47 | 14° 1 | 11° 5 | 2°40 | 24°22 | 28° 7 | 15°34 | 15°51 | 22°45 | n.a. | F 29 |
| S 30 | 21 24 13 | 19° 2'12 | 24°51 | 16° 0 | 8°54 | 15°25 | 14° 5 | 11°10 | 2°42 | 24°22 | 28° 9 | 15°31 | 15°48 | 22°51 | n.a. | S 30 |
| S 31 | 21 28 10 | 20♌ 1'53 | 6♉38 | 17♌44 | 8♌23 | 16♋ 2 | 14♉ 9 | 11♎15 | 2♏43 | 24♏22 | 28♍11 | 15♉29 | 15♉44 | 22♈58 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n20 | 1s 8 | 3s30 | 22n27 | 1s23 | 9n26 | 5s52 | 24n54 | 1n 0 | 14n45 | 0s44 | 1s35 | 2n19 | 12s15 | 0n16 | 18s 9 | 1n10 | 14n25 | 14n38 | 17n40 | 17n21 | 5n37 | | n.a. |
| S 2 | 22 11 | 4n20 | 2 40 | 22 44 | 1 5 | 9 14 | 6 4 | 24 55 | 1 1 | 14 48 | 0 44 | 1 37 | 2 19 | 12 15 | 0 16 | 18 9 | 1 10 | 14 24 | 14 38 | 17 39 | 17 20 | 5 40 | | n.a. |
| S 3 | 22 1 | 9 39 | 1 43 | 23 1 | 0 48 | 9 2 | 6 16 | 24 56 | 1 1 | 14 51 | 0 44 | 1 38 | 2 19 | 12 16 | 0 16 | 18 9 | 1 10 | 14 23 | 14 37 | 17 39 | 17 19 | 5 44 | | n.a. |
| M 4 | 21 51 | 14 39 | 0 42 | 23 17 | 0 31 | 8 51 | 6 28 | 24 57 | 1 2 | 14 53 | 0 44 | 1 40 | 2 18 | 12 16 | 0 16 | 18 8 | 1 10 | 14 22 | 14 37 | 17 40 | 17 18 | 5 47 | | n.a. |
| T 5 | 21 41 | 19 10 | 0n22 | 23 31 | 0 14 | 8 42 | 6 40 | 24 57 | 1 2 | 14 56 | 0 44 | 1 41 | 2 18 | 12 16 | 0 16 | 18 8 | 1 10 | 14 21 | 14 36 | 17 40 | 17 17 | 5 50 | | n.a. |
| W 6 | 21 30 | 22 57 | 1 26 | 23 44 | 0n 1 | 8 33 | 6 51 | 24 58 | 1 3 | 14 58 | 0 44 | 1 43 | 2 18 | 12 16 | 0 16 | 18 8 | 1 10 | 14 20 | 14 36 | 17 39 | 17 16 | 5 53 | | n.a. |
| T 7 | 21 19 | 25 46 | 2 28 | 23 55 | 0 16 | 8 25 | 7 3 | 24 58 | 1 3 | 15 0 | 0 44 | 1 44 | 2 18 | 12 16 | 0 16 | 18 8 | 1 10 | 14 19 | 14 35 | 17 38 | 17 15 | 5 57 | | n.a. |
| F 8 | 21 7 | 27 18 | 3 23 | 24 4 | 0 29 | 8 18 | 7 14 | 24 58 | 1 3 | 15 3 | 0 44 | 1 46 | 2 17 | 12 16 | 0 16 | 18 8 | 1 10 | 14 18 | 14 35 | 17 37 | 17 14 | 6 0 | | n.a. |
| S 9 | 20 55 | 27 21 | 4 9 | 24 11 | 0 42 | 8 12 | 7 25 | 24 58 | 1 4 | 15 5 | 0 44 | 1 48 | 2 17 | 12 16 | 0 16 | 18 8 | 1 10 | 14 17 | 14 34 | 17 34 | 17 13 | 6 3 | | n.a. |
| S 10 | 20 43 | 25 46 | 4 42 | 24 15 | 0 53 | 8 7 | 7 35 | 24 58 | 1 4 | 15 7 | 0 44 | 1 49 | 2 17 | 12 17 | 0 16 | 18 8 | 1 9 | 14 16 | 14 34 | 17 31 | 17 13 | 6 7 | | n.a. |
| M11 | 20 30 | 22 37 | 4 59 | 24 18 | 1 4 | 8 3 | 7 45 | 24 57 | 1 5 | 15 10 | 0 44 | 1 51 | 2 17 | 12 17 | 0 16 | 18 8 | 1 9 | 14 15 | 14 33 | 17 28 | 17 12 | 6 10 | | n.a. |
| T 12 | 20 17 | 18 6 | 4 59 | 24 17 | 1 13 | 8 0 | 7 55 | 24 57 | 1 5 | 15 12 | 0 44 | 1 53 | 2 16 | 12 17 | 0 16 | 18 8 | 1 9 | 14 14 | 14 33 | 17 25 | 17 11 | 6 13 | | n.a. |
| W13 | 20 4 | 12 32 | 4 40 | 24 14 | 1 21 | 7 59 | 8 4 | 24 56 | 1 6 | 15 14 | 0 44 | 1 54 | 2 16 | 12 17 | 0 16 | 18 8 | 1 9 | 14 13 | 14 32 | 17 22 | 17 10 | 6 16 | | n.a. |
| T 14 | 19 50 | 6 16 | 4 3 | 24 9 | 1 29 | 7 58 | 8 12 | 24 55 | 1 6 | 15 16 | 0 44 | 1 56 | 2 16 | 12 18 | 0 16 | 18 8 | 1 9 | 14 12 | 14 32 | 17 20 | 17 9 | 6 20 | | n.a. |
| F 15 | 19 36 | 0s18 | 3 11 | 24 1 | 1 35 | 7 59 | 8 20 | 24 53 | 1 6 | 15 18 | 0 44 | 1 58 | 2 16 | 12 18 | 0 16 | 18 8 | 1 9 | 14 11 | 14 31 | 17 18 | 17 8 | 6 23 | | n.a. |
| S 16 | 19 21 | 6 51 | 2 8 | 23 51 | 1 40 | 8 1 | 8 27 | 24 52 | 1 7 | 15 20 | 0 44 | 2 0 | 2 15 | 12 18 | 0 16 | 18 8 | 1 9 | 14 10 | 14 31 | 17 18 | 17 7 | 6 26 | | n.a. |
| S 17 | 19 7 | 13 1 | 0 57 | 23 38 | 1 44 | 8 4 | 8 33 | 24 50 | 1 7 | 15 22 | 0 44 | 2 2 | 2 15 | 12 19 | 0 16 | 18 8 | 1 9 | 14 9 | 14 31 | 17 17 | 17 6 | 6 30 | | n.a. |
| M18 | 18 51 | 18 28 | 0s17 | 23 22 | 1 47 | 8 8 | 8 39 | 24 48 | 1 8 | 15 23 | 0 44 | 2 4 | 2 15 | 12 19 | 0 16 | 18 8 | 1 9 | 14 8 | 14 30 | 17 18 | 17 5 | 6 33 | | n.a. |
| T 19 | 18 36 | 22 52 | 1 29 | 23 5 | 1 50 | 8 13 | 8 43 | 24 46 | 1 8 | 15 25 | 0 44 | 2 6 | 2 15 | 12 19 | 0 16 | 18 8 | 1 9 | 14 7 | 14 30 | 17 17 | 17 4 | 6 36 | | n.a. |
| W20 | 18 20 | 25 56 | 2 35 | 22 45 | 1 52 | 8 19 | 8 47 | 24 44 | 1 8 | 15 27 | 0 44 | 2 8 | 2 15 | 12 20 | 0 15 | 18 8 | 1 9 | 14 6 | 14 29 | 17 16 | 17 3 | 6 39 | | n.a. |
| T 21 | 18 4 | 27 26 | 3 32 | 22 23 | 1 53 | 8 27 | 8 50 | 24 42 | 1 9 | 15 29 | 0 44 | 2 10 | 2 14 | 12 20 | 0 15 | 18 8 | 1 9 | 14 5 | 14 29 | 17 15 | 17 2 | 6 43 | | n.a. |
| F 22 | 17 47 | 27 17 | 4 15 | 21 59 | 1 53 | 8 35 | 8 52 | 24 39 | 1 9 | 15 30 | 0 44 | 2 12 | 2 14 | 12 21 | 0 15 | 18 8 | 1 9 | 14 3 | 14 28 | 17 12 | 17 1 | 6 46 | | n.a. |
| S 23 | 17 31 | 25 34 | 4 45 | 21 34 | 1 53 | 8 44 | 8 53 | 24 37 | 1 10 | 15 32 | 0 44 | 2 14 | 2 14 | 12 21 | 0 15 | 18 8 | 1 9 | 14 2 | 14 28 | 17 9 | 17 0 | 6 49 | | n.a. |
| S 24 | 17 14 | 22 31 | 4 59 | 21 6 | 1 52 | 8 54 | 8 53 | 24 34 | 1 10 | 15 33 | 0 44 | 2 16 | 2 14 | 12 22 | 0 15 | 18 8 | 1 9 | 14 1 | 14 28 | 17 5 | 17 0 | 6 52 | | n.a. |
| M25 | 16 56 | 18 24 | 4 57 | 20 37 | 1 50 | 9 5 | 8 52 | 24 31 | 1 10 | 15 35 | 0 44 | 2 18 | 2 14 | 12 22 | 0 15 | 18 8 | 1 9 | 14 0 | 14 27 | 17 1 | 16 59 | 6 56 | | n.a. |
| T 26 | 16 39 | 13 34 | 4 41 | 20 7 | 1 48 | 9 16 | 8 50 | 24 27 | 1 11 | 15 36 | 0 44 | 2 20 | 2 13 | 12 23 | 0 15 | 18 8 | 1 9 | 13 59 | 14 27 | 16 58 | 16 58 | 6 59 | | n.a. |
| W27 | 16 21 | 8 17 | 4 12 | 19 35 | 1 46 | 9 29 | 8 47 | 24 24 | 1 11 | 15 38 | 0 44 | 2 22 | 2 13 | 12 23 | 0 15 | 18 8 | 1 9 | 13 58 | 14 26 | 16 54 | 16 57 | 7 2 | | n.a. |
| T 28 | 16 2 | 2 47 | 3 32 | 19 2 | 1 43 | 9 42 | 8 43 | 24 20 | 1 12 | 15 39 | 0 44 | 2 24 | 2 13 | 12 24 | 0 15 | 18 8 | 1 9 | 13 57 | 14 26 | 16 52 | 16 56 | 7 5 | | n.a. |
| F 29 | 15 44 | 2n45 | 2 43 | 18 28 | 1 39 | 9 55 | 8 39 | 24 17 | 1 12 | 15 40 | 0 44 | 2 26 | 2 13 | 12 24 | 0 15 | 18 8 | 1 9 | 13 56 | 14 26 | 16 50 | 16 55 | 7 9 | | n.a. |
| S 30 | 15 25 | 8 9 | 1 47 | 17 53 | 1 36 | 10 9 | 8 33 | 24 13 | 1 13 | 15 41 | 0 44 | 2 29 | 2 13 | 12 25 | 0 15 | 18 8 | 1 8 | 13 54 | 14 25 | 16 49 | 16 54 | 7 12 | | n.a. |
| S 31 | 15n 6 | 13n16 | 0s47 | 17n17 | 1n32 | 10n23 | 8s27 | 24n 9 | 1n13 | 15n42 | 0s44 | 2s31 | 2n12 | 12s25 | 0n15 | 18s 8 | 1n 8 | 13n53 | 14n25 | 16n48 | 16n53 | 7n15 | | n.a. |

Julian Day Number = 1005014.5, Delta T = 12h46m42s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'59, Lahiri = -30°59'59 Julian Calendar 1 Aug. 1962 BCE == Greg. Calendar 15 July 1962 BCE

The year -1961 astronomical counting style corresponds to year 1962 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## SEPTEMBER 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 32 6 | 21♌ 1'36 | 18♉29 | 19♌28 | 7°R54 | 16♋40 | 14♉13 | 11♎20 | 2♏45 | 24♏22 | 28♍13 | 15°R29 | 15♉41 | 23♈ 4 | n.a. | M 1 |
| T 2 | 21 36 3 | 22° 1'21 | 0♊28 | 21°11 | 7♌26 | 17°18 | 14°16 | 11°25 | 2°47 | 24°23 | 28°15 | 15♉29 | 15°38 | 23°11 | n.a. | T 2 |
| W 3 | 21 39 59 | 23° 1'09 | 12°41 | 22°53 | 7° 0 | 17°55 | 14°19 | 11°31 | 2°48 | 24°23 | 28°17 | 15°28 | 15°35 | 23°18 | n.a. | W 3 |
| T 4 | 21 43 56 | 24° 1'00 | 25°14 | 24°35 | 6°36 | 18°33 | 14°22 | 11°36 | 2°50 | 24°23 | 28°19 | 15°24 | 15°32 | 23°24 | n.a. | T 4 |
| F 5 | 21 47 53 | 25° 0'53 | 8♋11 | 26°16 | 6°15 | 19°11 | 14°25 | 11°42 | 2°52 | 24°24 | 28°21 | 15°18 | 15°29 | 23°31 | n.a. | F 5 |
| S 6 | 21 51 49 | 26° 0'48 | 21°33 | 27°57 | 5°55 | 19°48 | 14°28 | 11°47 | 2°54 | 24°24 | 28°23 | 15°10 | 15°25 | 23°38 | n.a. | S 6 |
| S 7 | 21 55 46 | 27° 0'46 | 5♌22 | 29°37 | 5°38 | 20°26 | 14°30 | 11°53 | 2°56 | 24°25 | 28°25 | 14°59 | 15°22 | 23°44 | n.a. | S 7 |
| M 8 | 21 59 42 | 28° 0'46 | 19°34 | 1♍16 | 5°24 | 21° 4 | 14°33 | 11°58 | 2°58 | 24°25 | 28°28 | 14°47 | 15°19 | 23°51 | n.a. | M 8 |
| T 9 | 22 3 39 | 29° 0'47 | 4♍ 5 | 2°54 | 5°11 | 21°41 | 14°35 | 12° 4 | 3° 0 | 24°26 | 28°30 | 14°36 | 15°16 | 23°58 | n.a. | T 9 |
| W10 | 22 7 35 | 0♍ 0'51 | 18°47 | 4°32 | 5° 2 | 22°19 | 14°37 | 12°10 | 3° 2 | 24°26 | 28°32 | 14°25 | 15°13 | 24° 4 | n.a. | W10 |
| T 11 | 22 11 32 | 1° 0'57 | 3♎33 | 6°10 | 4°54 | 22°57 | 14°38 | 12°16 | 3° 4 | 24°27 | 28°34 | 14°18 | 15°10 | 24°11 | n.a. | T 11 |
| F 12 | 22 15 28 | 2° 1'05 | 18°15 | 7°47 | 4°49 | 23°34 | 14°40 | 12°21 | 3° 6 | 24°27 | 28°36 | 14°13 | 15° 6 | 24°18 | n.a. | F 12 |
| S 13 | 22 19 25 | 3° 1'14 | 2♏46 | 9°23 | 4°47 | 24°12 | 14°41 | 12°27 | 3° 8 | 24°28 | 28°39 | 14°10 | 15° 3 | 24°24 | n.a. | S 13 |
| S 14 | 22 23 22 | 4° 1'26 | 17° 4 | 10°59 | 4°D47 | 24°49 | 14°42 | 12°33 | 3°10 | 24°29 | 28°41 | 14°D10 | 15° 0 | 24°31 | n.a. | S 14 |
| M15 | 22 27 18 | 5° 1'39 | 1♐ 6 | 12°34 | 4°49 | 25°27 | 14°43 | 12°39 | 3°13 | 24°30 | 28°43 | 14°R10 | 14°57 | 24°38 | n.a. | M15 |
| T 16 | 22 31 15 | 6° 1'53 | 14°53 | 14° 9 | 4°53 | 26° 4 | 14°44 | 12°45 | 3°15 | 24°30 | 28°45 | 14°10 | 14°54 | 24°44 | n.a. | T 16 |
| W17 | 22 35 11 | 7° 2'10 | 28°25 | 15°43 | 5° 0 | 26°42 | 14°45 | 12°51 | 3°17 | 24°31 | 28°48 | 14° 8 | 14°50 | 24°51 | n.a. | W17 |
| T 18 | 22 39 8 | 8° 2'28 | 11♑43 | 17°17 | 5° 9 | 27°19 | 14°45 | 12°57 | 3°20 | 24°32 | 28°50 | 14° 3 | 14°47 | 24°58 | n.a. | T 18 |
| F 19 | 22 43 4 | 9° 2'48 | 24°48 | 18°50 | 5°21 | 27°57 | 14°R45 | 13° 4 | 3°22 | 24°33 | 28°52 | 13°56 | 14°44 | 25° 4 | n.a. | F 19 |
| S 20 | 22 47 1 | 10° 3'09 | 7♒41 | 20°23 | 5°34 | 28°35 | 14°45 | 13°10 | 3°25 | 24°34 | 28°54 | 13°47 | 14°41 | 25°11 | n.a. | S 20 |
| S 21 | 22 50 57 | 11° 3'32 | 20°23 | 21°56 | 5°50 | 29°12 | 14°45 | 13°16 | 3°27 | 24°35 | 28°57 | 13°35 | 14°38 | 25°18 | n.a. | S 21 |
| M22 | 22 54 54 | 12° 3'57 | 2♓54 | 23°28 | 6° 7 | 29°49 | 14°44 | 13°22 | 3°30 | 24°36 | 28°59 | 13°24 | 14°35 | 25°24 | n.a. | M22 |
| T 23 | 22 58 50 | 13° 4'24 | 15°13 | 25° 0 | 6°27 | 0♌27 | 14°44 | 13°29 | 3°32 | 24°37 | 29° 1 | 13°12 | 14°31 | 25°31 | n.a. | T 23 |
| W24 | 23 2 47 | 14° 4'52 | 27°22 | 26°31 | 6°49 | 1° 4 | 14°43 | 13°35 | 3°35 | 24°38 | 29° 4 | 13° 2 | 14°28 | 25°38 | n.a. | W24 |
| T 25 | 23 6 44 | 15° 5'23 | 9♈22 | 28° 2 | 7°12 | 1°42 | 14°42 | 13°41 | 3°38 | 24°39 | 29° 6 | 12°55 | 14°25 | 25°44 | n.a. | T 25 |
| F 26 | 23 10 40 | 16° 5'55 | 21°14 | 29°32 | 7°37 | 2°19 | 14°40 | 13°48 | 3°40 | 24°40 | 29° 9 | 12°49 | 14°22 | 25°51 | n.a. | F 26 |
| S 27 | 23 14 37 | 17° 6'29 | 3♉ 2 | 1♎ 2 | 8° 4 | 2°57 | 14°39 | 13°54 | 3°43 | 24°41 | 29°11 | 12°47 | 14°19 | 25°58 | n.a. | S 27 |
| S 28 | 23 18 33 | 18° 7'05 | 14°48 | 2°32 | 8°33 | 3°34 | 14°37 | 14° 1 | 3°46 | 24°42 | 29°13 | 12°D46 | 14°15 | 26° 4 | n.a. | S 28 |
| M29 | 23 22 30 | 19° 7'43 | 26°37 | 4° 1 | 9° 3 | 4°12 | 14°35 | 14° 7 | 3°49 | 24°43 | 29°16 | 12°47 | 14°12 | 26°11 | n.a. | M29 |
| T 30 | 23 26 26 | 20♍ 8'23 | 8♊35 | 5♎30 | 9♌35 | 4♌49 | 14♉33 | 14♎14 | 3♏51 | 24♏44 | 29♍18 | 12♉48 | 14♉ 9 | 26♈17 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14n47 | 17n56 | 0n16 | 16n39 | 1n27 | 10n37 | 8s19 | 24n 4 | 1n13 | 15n43 | 0s44 | 2s33 | 2n12 | 12s26 | 0n15 | 18s 8 | 1n 8 | 13n52 | 14n25 | 16n48 | 16n52 | 7n18 | | n.a. |
| T 2 | 14 27 | 21 56 | 1 19 | 16 2 | 1 23 | 10 52 | 8 12 | 24 0 | 1 14 | 15 44 | 0 44 | 2 35 | 2 12 | 12 27 | 0 15 | 18 9 | 1 8 | 13 51 | 14 24 | 16 48 | 16 51 | 7 22 | | n.a. |
| W 3 | 14 7 | 25 4 | 2 19 | 15 23 | 1 18 | 11 6 | 8 3 | 23 55 | 1 14 | 15 45 | 0 44 | 2 38 | 2 12 | 12 27 | 0 15 | 18 9 | 1 8 | 13 50 | 14 24 | 16 48 | 16 50 | 7 25 | | n.a. |
| T 4 | 13 47 | 27 4 | 3 14 | 14 44 | 1 13 | 11 21 | 7 54 | 23 50 | 1 15 | 15 46 | 0 44 | 2 40 | 2 12 | 12 28 | 0 15 | 18 9 | 1 8 | 13 49 | 14 24 | 16 47 | 16 49 | 7 28 | | n.a. |
| F 5 | 13 27 | 27 40 | 4 1 | 14 4 | 1 7 | 11 36 | 7 44 | 23 45 | 1 15 | 15 47 | 0 44 | 2 42 | 2 11 | 12 29 | 0 15 | 18 9 | 1 8 | 13 48 | 14 23 | 16 45 | 16 48 | 7 32 | | n.a. |
| S 6 | 13 6 | 26 42 | 4 36 | 13 24 | 1 2 | 11 51 | 7 34 | 23 40 | 1 15 | 15 48 | 0 44 | 2 45 | 2 11 | 12 29 | 0 15 | 18 9 | 1 8 | 13 47 | 14 23 | 16 43 | 16 47 | 7 35 | | n.a. |
| S 7 | 12 45 | 24 6 | 4 57 | 12 43 | 0 56 | 12 5 | 7 23 | 23 35 | 1 16 | 15 49 | 0 44 | 2 47 | 2 11 | 12 30 | 0 15 | 18 9 | 1 8 | 13 45 | 14 23 | 16 39 | 16 46 | 7 38 | | n.a. |
| M 8 | 12 24 | 19 59 | 5 0 | 12 1 | 0 50 | 12 19 | 7 12 | 23 29 | 1 16 | 15 49 | 0 44 | 2 49 | 2 11 | 12 31 | 0 15 | 18 9 | 1 8 | 13 44 | 14 22 | 16 36 | 16 45 | 7 41 | | n.a. |
| T 9 | 12 3 | 14 36 | 4 44 | 11 20 | 0 44 | 12 33 | 7 0 | 23 24 | 1 17 | 15 50 | 0 44 | 2 52 | 2 11 | 12 31 | 0 15 | 18 10 | 1 8 | 13 43 | 14 22 | 16 32 | 16 44 | 7 45 | | n.a. |
| W10 | 11 42 | 8 20 | 4 9 | 10 38 | 0 38 | 12 47 | 6 49 | 23 18 | 1 17 | 15 51 | 0 44 | 2 54 | 2 11 | 12 32 | 0 15 | 18 10 | 1 8 | 13 42 | 14 22 | 16 29 | 16 44 | 7 48 | | n.a. |
| T 11 | 11 20 | 1 34 | 3 18 | 9 55 | 0 32 | 13 0 | 6 37 | 23 12 | 1 17 | 15 51 | 0 44 | 2 57 | 2 10 | 12 33 | 0 15 | 18 10 | 1 8 | 13 41 | 14 21 | 16 27 | 16 43 | 7 51 | | n.a. |
| F 12 | 10 58 | 5s15 | 2 13 | 9 13 | 0 26 | 13 13 | 6 25 | 23 6 | 1 18 | 15 52 | 0 44 | 2 59 | 2 10 | 12 34 | 0 15 | 18 10 | 1 8 | 13 40 | 14 21 | 16 25 | 16 42 | 7 54 | | n.a. |
| S 13 | 10 36 | 11 44 | 1 0 | 8 30 | 0 19 | 13 26 | 6 12 | 22 59 | 1 18 | 15 52 | 0 44 | 3 2 | 2 10 | 12 34 | 0 15 | 18 10 | 1 8 | 13 38 | 14 21 | 16 25 | 16 41 | 7 58 | | n.a. |
| S 14 | 10 14 | 17 31 | 0s15 | 7 47 | 0 13 | 13 38 | 6 0 | 22 53 | 1 18 | 15 52 | 0 44 | 3 4 | 2 10 | 12 35 | 0 15 | 18 11 | 1 8 | 13 37 | 14 21 | 16 25 | 16 40 | 8 1 | | n.a. |
| M15 | 9 51 | 22 15 | 1 29 | 7 4 | 0 6 | 13 50 | 5 47 | 22 46 | 1 19 | 15 53 | 0 44 | 3 7 | 2 10 | 12 36 | 0 15 | 18 11 | 1 8 | 13 36 | 14 20 | 16 25 | 16 39 | 8 4 | | n.a. |
| T 16 | 9 29 | 25 37 | 2 36 | 6 21 | 0s 0 | 14 1 | 5 35 | 22 39 | 1 19 | 15 53 | 0 44 | 3 9 | 2 10 | 12 37 | 0 15 | 18 11 | 1 8 | 13 35 | 14 20 | 16 25 | 16 38 | 8 7 | | n.a. |
| W17 | 9 6 | 27 27 | 3 32 | 5 38 | 0 7 | 14 12 | 5 22 | 22 32 | 1 20 | 15 53 | 0 44 | 3 12 | 2 9 | 12 38 | 0 15 | 18 11 | 1 8 | 13 34 | 14 20 | 16 24 | 16 37 | 8 11 | | n.a. |
| T 18 | 8 43 | 27 39 | 4 17 | 4 55 | 0 14 | 14 22 | 5 9 | 22 25 | 1 20 | 15 53 | 0 44 | 3 14 | 2 9 | 12 38 | 0 15 | 18 12 | 1 8 | 13 33 | 14 20 | 16 23 | 16 36 | 8 14 | | n.a. |
| F 19 | 8 20 | 26 18 | 4 47 | 4 12 | 0 20 | 14 31 | 4 57 | 22 18 | 1 20 | 15 53 | 0 44 | 3 17 | 2 9 | 12 39 | 0 15 | 18 12 | 1 8 | 13 32 | 14 19 | 16 21 | 16 35 | 8 17 | | n.a. |
| S 20 | 7 57 | 23 34 | 5 1 | 3 28 | 0 27 | 14 40 | 4 44 | 22 11 | 1 21 | 15 53 | 0 44 | 3 19 | 2 9 | 12 40 | 0 15 | 18 12 | 1 7 | 13 31 | 14 19 | 16 18 | 16 34 | 8 20 | | n.a. |
| S 21 | 7 34 | 19 43 | 5 1 | 2 45 | 0 33 | 14 48 | 4 32 | 22 3 | 1 21 | 15 53 | 0 44 | 3 22 | 2 9 | 12 41 | 0 15 | 18 12 | 1 7 | 13 29 | 14 19 | 16 14 | 16 33 | 8 23 | | n.a. |
| M22 | 7 10 | 15 4 | 4 46 | 2 2 | 0 40 | 14 56 | 4 20 | 21 55 | 1 22 | 15 53 | 0 44 | 3 25 | 2 9 | 12 42 | 0 15 | 18 13 | 1 7 | 13 28 | 14 19 | 16 11 | 16 32 | 8 27 | | n.a. |
| T 23 | 6 47 | 9 53 | 4 18 | 1 19 | 0 46 | 15 3 | 4 7 | 21 48 | 1 22 | 15 53 | 0 44 | 3 27 | 2 9 | 12 43 | 0 15 | 18 13 | 1 7 | 13 27 | 14 19 | 16 7 | 16 31 | 8 30 | | n.a. |
| W24 | 6 23 | 4 23 | 3 38 | 0 36 | 0 53 | 15 9 | 3 55 | 21 40 | 1 22 | 15 52 | 0 44 | 3 30 | 2 8 | 12 44 | 0 15 | 18 13 | 1 7 | 13 26 | 14 18 | 16 4 | 16 30 | 8 33 | | n.a. |
| T 25 | 5 59 | 1n12 | 2 49 | 0s 6 | 0 59 | 15 15 | 3 43 | 21 31 | 1 23 | 15 52 | 0 44 | 3 33 | 2 8 | 12 45 | 0 15 | 18 14 | 1 7 | 13 25 | 14 18 | 16 2 | 16 29 | 8 36 | | n.a. |
| F 26 | 5 35 | 6 42 | 1 53 | 0 49 | 1 6 | 15 20 | 3 31 | 21 23 | 1 23 | 15 52 | 0 44 | 3 35 | 2 8 | 12 46 | 0 15 | 18 14 | 1 7 | 13 24 | 14 18 | 16 0 | 16 28 | 8 40 | | n.a. |
| S 27 | 5 11 | 11 57 | 0 52 | 1 31 | 1 12 | 15 24 | 3 20 | 21 15 | 1 23 | 15 51 | 0 44 | 3 38 | 2 8 | 12 47 | 0 15 | 18 14 | 1 7 | 13 23 | 14 18 | 15 59 | 16 27 | 8 43 | | n.a. |
| S 28 | 4 47 | 16 46 | 0n11 | 2 13 | 1 18 | 15 28 | 3 8 | 21 6 | 1 24 | 15 51 | 0 44 | 3 41 | 2 8 | 12 48 | 0 15 | 18 15 | 1 7 | 13 22 | 14 18 | 15 59 | 16 26 | 8 46 | | n.a. |
| M29 | 4 23 | 20 59 | 1 14 | 2 55 | 1 24 | 15 31 | 2 57 | 20 58 | 1 24 | 15 50 | 0 44 | 3 43 | 2 8 | 12 49 | 0 15 | 18 15 | 1 7 | 13 20 | 14 18 | 15 59 | 16 25 | 8 49 | | n.a. |
| T 30 | 3n59 | 24n23 | 2n14 | 3s36 | 1s30 | 15n33 | 2s46 | 20n49 | 1n25 | 15n50 | 0s44 | 3s46 | 2n 8 | 12s50 | 0n15 | 18s15 | 1n 7 | 13n19 | 14n18 | 16n 0 | 16n24 | 8n53 | | n.a. |

Julian Day Number = 1005045.5, Delta T = 12h46m40s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'55, Lahiri = -30°59'55 Julian Calendar 1 Sept. 1962 BCE == Greg. Calendar 15 Aug. 1962 BCE


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## OCTOBER 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 30 23 | 21♍ 9'05 | 20♊45 | 6♎58 | 10♌ 8 | 5♌26 | 14°R31 | 14♎21 | 3♏54 | 24♏45 | 29♍21 | 12°R49 | 14♉ 6 | 26♈24 | n.a. | W 1 |
| T 2 | 23 34 19 | 22° 9'49 | 3♋14 | 8°26 | 10°43 | 6° 4 | 14♉29 | 14°27 | 3°57 | 24°47 | 29°23 | 12♉48 | 14° 3 | 26°31 | n.a. | T 2 |
| F 3 | 23 38 16 | 23°10'35 | 16° 7 | 9°54 | 11°19 | 6°41 | 14°26 | 14°34 | 4° 0 | 24°48 | 29°25 | 12°45 | 14° 0 | 26°37 | n.a. | F 3 |
| S 4 | 23 42 13 | 24°11'22 | 29°27 | 11°21 | 11°57 | 7°18 | 14°23 | 14°41 | 4° 3 | 24°49 | 29°28 | 12°41 | 13°56 | 26°44 | n.a. | S 4 |
| S 5 | 23 46 9 | 25°12'12 | 13♌15 | 12°47 | 12°36 | 7°56 | 14°20 | 14°47 | 4° 6 | 24°51 | 29°30 | 12°34 | 13°53 | 26°51 | n.a. | S 5 |
| M 6 | 23 50 6 | 26°13'03 | 27°32 | 14°12 | 13°16 | 8°33 | 14°17 | 14°54 | 4° 9 | 24°52 | 29°33 | 12°27 | 13°50 | 26°57 | n.a. | M 6 |
| T 7 | 23 54 2 | 27°13'55 | 12♍13 | 15°37 | 13°57 | 9°10 | 14°13 | 15° 1 | 4°12 | 24°53 | 29°35 | 12°19 | 13°47 | 27° 4 | n.a. | T 7 |
| W 8 | 23 57 59 | 28°14'49 | 27°11 | 17° 1 | 14°39 | 9°48 | 14°10 | 15° 8 | 4°15 | 24°55 | 29°37 | 12°12 | 13°44 | 27°11 | n.a. | W 8 |
| T 9 | 0 1 55 | 29°15'45 | 12♎18 | 18°24 | 15°23 | 10°25 | 14° 6 | 15°14 | 4°18 | 24°56 | 29°40 | 12° 7 | 13°41 | 27°17 | n.a. | T 9 |
| F 10 | 0 5 52 | 0♎16'41 | 27°23 | 19°46 | 16° 8 | 11° 2 | 14° 2 | 15°21 | 4°21 | 24°58 | 29°42 | 12° 4 | 13°37 | 27°24 | n.a. | F 10 |
| S 11 | 0 9 48 | 1°17'39 | 12♏17 | 21° 7 | 16°53 | 11°39 | 13°58 | 15°28 | 4°25 | 24°59 | 29°45 | 12°D 4 | 13°34 | 27°31 | n.a. | S 11 |
| S 12 | 0 13 45 | 2°18'38 | 26°55 | 22°26 | 17°40 | 12°17 | 13°53 | 15°35 | 4°28 | 25° 1 | 29°47 | 12° 4 | 13°31 | 27°37 | n.a. | S 12 |
| M13 | 0 17 42 | 3°19'39 | 11♐11 | 23°44 | 18°27 | 12°54 | 13°49 | 15°42 | 4°31 | 25° 2 | 29°50 | 12° 6 | 13°28 | 27°44 | n.a. | M13 |
| T 14 | 0 21 38 | 4°20'40 | 25° 5 | 25° 0 | 19°16 | 13°31 | 13°44 | 15°49 | 4°34 | 25° 4 | 29°52 | 12° 7 | 13°25 | 27°51 | n.a. | T 14 |
| W15 | 0 25 35 | 5°21'42 | 8♑38 | 26°14 | 20° 5 | 14° 8 | 13°39 | 15°56 | 4°38 | 25° 6 | 29°54 | 12°R 7 | 13°21 | 27°57 | n.a. | W15 |
| T 16 | 0 29 31 | 6°22'45 | 21°49 | 27°25 | 20°55 | 14°45 | 13°34 | 16° 2 | 4°41 | 25° 7 | 29°57 | 12° 6 | 13°18 | 28° 4 | n.a. | T 16 |
| F 17 | 0 33 28 | 7°23'49 | 4♒43 | 28°34 | 21°46 | 15°22 | 13°29 | 16° 9 | 4°44 | 25° 9 | 29°59 | 12° 3 | 13°15 | 28°11 | n.a. | F 17 |
| S 18 | 0 37 24 | 8°24'53 | 17°22 | 29°40 | 22°38 | 16° 0 | 13°23 | 16°16 | 4°47 | 25°11 | 0♎ 2 | 11°59 | 13°12 | 28°17 | n.a. | S 18 |
| S 19 | 0 41 21 | 9°25'59 | 29°47 | 0♏43 | 23°30 | 16°37 | 13°18 | 16°23 | 4°51 | 25°12 | 0° 4 | 11°53 | 13° 9 | 28°24 | n.a. | S 19 |
| M20 | 0 45 17 | 10°27'05 | 12♓ 2 | 1°41 | 24°23 | 17°14 | 13°12 | 16°30 | 4°54 | 25°14 | 0° 6 | 11°47 | 13° 6 | 28°31 | n.a. | M20 |
| T 21 | 0 49 14 | 11°28'12 | 24° 8 | 2°35 | 25°17 | 17°51 | 13° 6 | 16°37 | 4°58 | 25°16 | 0° 9 | 11°42 | 13° 2 | 28°37 | n.a. | T 21 |
| W22 | 0 53 11 | 12°29'20 | 6♈ 6 | 3°24 | 26°12 | 18°28 | 13° 0 | 16°44 | 5° 1 | 25°17 | 0°11 | 11°37 | 12°59 | 28°44 | n.a. | W22 |
| T 23 | 0 57 7 | 13°30'29 | 17°59 | 4° 6 | 27° 7 | 19° 5 | 12°54 | 16°51 | 5° 4 | 25°19 | 0°14 | 11°33 | 12°56 | 28°50 | n.a. | T 23 |
| F 24 | 1 1 4 | 14°31'38 | 29°48 | 4°42 | 28° 3 | 19°42 | 12°48 | 16°58 | 5° 8 | 25°21 | 0°16 | 11°31 | 12°53 | 28°57 | n.a. | F 24 |
| S 25 | 1 5 0 | 15°32'49 | 11♉35 | 5°10 | 28°59 | 20°19 | 12°41 | 17° 5 | 5°11 | 25°23 | 0°18 | 11°D30 | 12°50 | 29° 4 | n.a. | S 25 |
| S 26 | 1 8 57 | 16°34'01 | 23°23 | 5°30 | 29°56 | 20°56 | 12°35 | 17°12 | 5°15 | 25°25 | 0°21 | 11°31 | 12°47 | 29°10 | n.a. | S 26 |
| M27 | 1 12 53 | 17°35'13 | 5♊15 | 5°41 | 0♍54 | 21°33 | 12°28 | 17°19 | 5°18 | 25°27 | 0°23 | 11°32 | 12°43 | 29°17 | n.a. | M27 |
| T 28 | 1 16 50 | 18°36'27 | 17°14 | 5°R42 | 1°52 | 22°10 | 12°21 | 17°26 | 5°22 | 25°29 | 0°25 | 11°34 | 12°40 | 29°24 | n.a. | T 28 |
| W29 | 1 20 46 | 19°37'41 | 29°25 | 5°31 | 2°51 | 22°46 | 12°14 | 17°33 | 5°25 | 25°30 | 0°28 | 11°36 | 12°37 | 29°30 | n.a. | W29 |
| T 30 | 1 24 43 | 20°38'57 | 11♋52 | 5°10 | 3°50 | 23°23 | 12° 7 | 17°40 | 5°29 | 25°32 | 0°30 | 11°37 | 12°34 | 29°37 | n.a. | T 30 |
| F 31 | 1 28 40 | 21♎40'13 | 24♋39 | 4♏37 | 4♍50 | 24♌ 0 | 12♉ 0 | 17♎47 | 5♏32 | 25♏34 | 0♎32 | 11°R37 | 12♉31 | 29♈44 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| W 1 | 3n35 | 26n45 | 3n10 | 4s17 | 1s36 | 15n35 | 2s35 | 20n40 | 1n25 | 15n49 | 0s44 | 3s49 | 2n 8 | 12s51 | 0n15 | 18s16 | 1n 7 | 13n18 | 14n17 | 16n 0 | 16n23 | 8n56 | | | n.a. |
| T 2 | 3 10 | 27 51 | 3 58 | 4 57 | 1 41 | 15 35 | 2 24 | 20 31 | 1 25 | 15 48 | 0 44 | 3 51 | 2 8 | 12 52 | 0 15 | 18 16 | 1 7 | 13 17 | 14 17 | 16 0 | 16 22 | 8 59 | | | n.a. |
| F 3 | 2 46 | 27 29 | 4 36 | 5 37 | 1 47 | 15 36 | 2 14 | 20 21 | 1 26 | 15 47 | 0 44 | 3 54 | 2 7 | 12 53 | 0 15 | 18 16 | 1 7 | 13 16 | 14 17 | 15 59 | 16 22 | 9 2 | | | n.a. |
| S 4 | 2 21 | 25 34 | 5 0 | 6 17 | 1 52 | 15 35 | 2 3 | 20 12 | 1 26 | 15 47 | 0 44 | 3 57 | 2 7 | 12 54 | 0 15 | 18 17 | 1 7 | 13 15 | 14 17 | 15 57 | 16 21 | 9 6 | | | n.a. |
| S 5 | 1 57 | 22 5 | 5 8 | 6 56 | 1 57 | 15 34 | 1 53 | 20 3 | 1 26 | 15 46 | 0 44 | 3 59 | 2 7 | 12 55 | 0 15 | 18 17 | 1 7 | 13 14 | 14 17 | 15 55 | 16 20 | 9 9 | | | n.a. |
| M 6 | 1 32 | 17 13 | 4 58 | 7 34 | 2 2 | 15 32 | 1 43 | 19 53 | 1 27 | 15 45 | 0 44 | 4 2 | 2 7 | 12 56 | 0 15 | 18 17 | 1 7 | 13 13 | 14 17 | 15 53 | 16 19 | 9 12 | | | n.a. |
| T 7 | 1 7 | 11 13 | 4 28 | 8 12 | 2 6 | 15 29 | 1 33 | 19 43 | 1 27 | 15 44 | 0 44 | 4 5 | 2 7 | 12 57 | 0 15 | 18 18 | 1 7 | 13 12 | 14 17 | 15 51 | 16 18 | 9 15 | | | n.a. |
| W 8 | 0 43 | 4 28 | 3 39 | 8 49 | 2 10 | 15 26 | 1 24 | 19 33 | 1 28 | 15 43 | 0 44 | 4 8 | 2 7 | 12 58 | 0 15 | 18 18 | 1 7 | 13 11 | 14 17 | 15 48 | 16 17 | 9 18 | | | n.a. |
| T 9 | 0 18 | 2s36 | 2 34 | 9 25 | 2 14 | 15 22 | 1 14 | 19 23 | 1 28 | 15 42 | 0 44 | 4 10 | 2 7 | 12 59 | 0 15 | 18 19 | 1 7 | 13 10 | 14 17 | 15 47 | 16 16 | 9 22 | | | n.a. |
| F 10 | 0s 7 | 9 31 | 1 19 | 10 0 | 2 18 | 15 17 | 1 5 | 19 13 | 1 28 | 15 40 | 0 44 | 4 13 | 2 7 | 13 0 | 0 14 | 18 19 | 1 7 | 13 9 | 14 17 | 15 46 | 16 15 | 9 25 | | | n.a. |
| S 11 | 0 31 | 15 51 | 0s 1 | 10 34 | 2 21 | 15 12 | 0 56 | 19 3 | 1 29 | 15 39 | 0 44 | 4 16 | 2 7 | 13 1 | 0 14 | 18 19 | 1 7 | 13 8 | 14 17 | 15 46 | 16 14 | 9 28 | | | n.a. |
| S 12 | 0 56 | 21 9 | 1 20 | 11 7 | 2 23 | 15 6 | 0 47 | 18 53 | 1 29 | 15 38 | 0 44 | 4 19 | 2 7 | 13 2 | 0 14 | 18 20 | 1 6 | 13 7 | 14 16 | 15 46 | 16 13 | 9 31 | | | n.a. |
| M13 | 1 21 | 25 5 | 2 32 | 11 38 | 2 26 | 14 59 | 0 39 | 18 42 | 1 29 | 15 36 | 0 44 | 4 21 | 2 7 | 13 3 | 0 14 | 18 20 | 1 6 | 13 6 | 14 16 | 15 46 | 16 12 | 9 34 | | | n.a. |
| T 14 | 1 46 | 27 22 | 3 33 | 12 9 | 2 27 | 14 52 | 0 31 | 18 32 | 1 30 | 15 35 | 0 44 | 4 24 | 2 6 | 13 5 | 0 14 | 18 21 | 1 6 | 13 5 | 14 16 | 15 47 | 16 11 | 9 38 | | | n.a. |
| W15 | 2 10 | 27 58 | 4 20 | 12 38 | 2 29 | 14 44 | 0 22 | 18 21 | 1 30 | 15 34 | 0 44 | 4 27 | 2 6 | 13 6 | 0 14 | 18 21 | 1 6 | 13 4 | 14 16 | 15 47 | 16 10 | 9 41 | | | n.a. |
| T 16 | 2 35 | 26 55 | 4 53 | 13 5 | 2 29 | 14 35 | 0 15 | 18 10 | 1 30 | 15 32 | 0 44 | 4 30 | 2 6 | 13 7 | 0 14 | 18 21 | 1 6 | 13 3 | 14 16 | 15 46 | 16 9 | 9 44 | | | n.a. |
| F 17 | 3 0 | 24 28 | 5 9 | 13 30 | 2 29 | 14 26 | 0 7 | 18 0 | 1 31 | 15 31 | 0 44 | 4 33 | 2 6 | 13 8 | 0 14 | 18 22 | 1 6 | 13 2 | 14 16 | 15 46 | 16 8 | 9 47 | | | n.a. |
| S 18 | 3 24 | 20 51 | 5 10 | 13 53 | 2 28 | 14 16 | 0n 1 | 17 49 | 1 31 | 15 29 | 0 44 | 4 35 | 2 6 | 13 9 | 0 14 | 18 22 | 1 6 | 13 1 | 14 16 | 15 44 | 16 7 | 9 51 | | | n.a. |
| S 19 | 3 49 | 16 23 | 4 57 | 14 14 | 2 27 | 14 5 | 0 8 | 17 37 | 1 32 | 15 27 | 0 44 | 4 38 | 2 6 | 13 10 | 0 14 | 18 23 | 1 6 | 13 0 | 14 16 | 15 42 | 16 6 | 9 54 | | | n.a. |
| M20 | 4 13 | 11 19 | 4 30 | 14 33 | 2 24 | 13 54 | 0 15 | 17 26 | 1 32 | 15 26 | 0 43 | 4 41 | 2 6 | 13 11 | 0 14 | 18 23 | 1 6 | 12 59 | 14 16 | 15 41 | 16 5 | 9 57 | | | n.a. |
| T 21 | 4 37 | 5 54 | 3 51 | 14 49 | 2 21 | 13 42 | 0 22 | 17 15 | 1 32 | 15 24 | 0 43 | 4 44 | 2 6 | 13 13 | 0 14 | 18 24 | 1 6 | 12 58 | 14 16 | 15 39 | 16 4 | 10 0 | | | n.a. |
| W22 | 5 2 | 0 18 | 3 2 | 15 2 | 2 17 | 13 29 | 0 29 | 17 4 | 1 33 | 15 22 | 0 43 | 4 46 | 2 6 | 13 14 | 0 14 | 18 24 | 1 6 | 12 57 | 14 17 | 15 37 | 16 3 | 10 3 | | | n.a. |
| T 23 | 5 26 | 5n16 | 2 6 | 15 11 | 2 11 | 13 16 | 0 35 | 16 52 | 1 33 | 15 20 | 0 43 | 4 49 | 2 6 | 13 15 | 0 14 | 18 25 | 1 6 | 12 56 | 14 17 | 15 36 | 16 2 | 10 7 | | | n.a. |
| F 24 | 5 50 | 10 38 | 1 4 | 15 17 | 2 4 | 13 3 | 0 42 | 16 41 | 1 33 | 15 18 | 0 43 | 4 52 | 2 6 | 13 16 | 0 14 | 18 25 | 1 6 | 12 55 | 14 17 | 15 35 | 16 1 | 10 10 | | | n.a. |
| S 25 | 6 14 | 15 37 | 0n 0 | 15 19 | 1 56 | 12 48 | 0 48 | 16 29 | 1 34 | 15 17 | 0 43 | 4 55 | 2 6 | 13 17 | 0 14 | 18 26 | 1 6 | 12 54 | 14 17 | 15 35 | 16 0 | 10 13 | | | n.a. |
| S 26 | 6 38 | 20 2 | 1 5 | 15 17 | 1 46 | 12 33 | 0 54 | 16 17 | 1 34 | 15 15 | 0 43 | 4 57 | 2 6 | 13 19 | 0 14 | 18 26 | 1 6 | 12 53 | 14 17 | 15 35 | 15 59 | 10 16 | | | n.a. |
| M27 | 7 2 | 23 41 | 2 7 | 15 11 | 1 35 | 12 18 | 1 0 | 16 5 | 1 34 | 15 13 | 0 43 | 5 0 | 2 6 | 13 20 | 0 14 | 18 27 | 1 6 | 12 53 | 14 17 | 15 36 | 15 58 | 10 19 | | | n.a. |
| T 28 | 7 26 | 26 21 | 3 5 | 14 59 | 1 23 | 12 2 | 1 5 | 15 54 | 1 35 | 15 11 | 0 43 | 5 3 | 2 6 | 13 21 | 0 14 | 18 27 | 1 6 | 12 52 | 14 17 | 15 36 | 15 57 | 10 23 | | | n.a. |
| W29 | 7 50 | 27 50 | 3 55 | 14 42 | 1 9 | 11 46 | 1 11 | 15 42 | 1 35 | 15 8 | 0 43 | 5 6 | 2 6 | 13 22 | 0 14 | 18 28 | 1 6 | 12 51 | 14 17 | 15 37 | 15 56 | 10 26 | | | n.a. |
| T 30 | 8 13 | 27 56 | 4 35 | 14 20 | 0 53 | 11 28 | 1 16 | 15 29 | 1 35 | 15 6 | 0 43 | 5 8 | 2 6 | 13 23 | 0 14 | 18 28 | 1 6 | 12 50 | 14 17 | 15 37 | 15 55 | 10 29 | | | n.a. |
| F 31 | 8s37 | 26n35 | 5n 3 | 13s53 | 0s36 | 11n11 | 1n21 | 15n17 | 1n36 | 15n 4 | 0s43 | 5s11 | 2n 6 | 13s25 | 0n14 | 18s29 | 1n 6 | 12n49 | 14n17 | 15n37 | 15n54 | 10n32 | | | n.a. |

Julian Day Number = 1005075.5, Delta T = 12h46m38s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'51, Lahiri = -30°59'51 Julian Calendar 1 Oct. 1962 BCE == Greg. Calendar 14 Sept. 1962 BCE

The year -1961 astronomical counting style corresponds to year 1962 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## NOVEMBER 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 32 36 | 22♎41'30 | 7♌50 | 3°R52 | 5♍50 | 24♌37 | 11°R53 | 17♎54 | 5♏36 | 25♏36 | 0♎35 | 11°R36 | 12♉27 | 29♈50 | n.a. | S 1 |
| S 2 | 1 36 33 | 23°42'48 | 21°29 | 2♏57 | 6°51 | 25°14 | 11♉46 | 18° 1 | 5°39 | 25°38 | 0°37 | 11♉35 | 12°24 | 29°57 | n.a. | S 2 |
| M 3 | 1 40 29 | 24°44'06 | 5♍35 | 1°52 | 7°52 | 25°51 | 11°38 | 18° 8 | 5°43 | 25°40 | 0°39 | 11°33 | 12°21 | 0♉ 4 | n.a. | M 3 |
| T 4 | 1 44 26 | 25°45'26 | 20° 8 | 0°39 | 8°53 | 26°27 | 11°31 | 18°15 | 5°46 | 25°42 | 0°41 | 11°30 | 12°18 | 0°10 | n.a. | T 4 |
| W 5 | 1 48 22 | 26°46'46 | 5♎ 4 | 29♎21 | 9°55 | 27° 4 | 11°23 | 18°22 | 5°50 | 25°44 | 0°44 | 11°28 | 12°15 | 0°17 | n.a. | W 5 |
| T 6 | 1 52 19 | 27°48'06 | 20°13 | 27°59 | 10°58 | 27°41 | 11°15 | 18°29 | 5°54 | 25°46 | 0°46 | 11°27 | 12°12 | 0°24 | n.a. | T 6 |
| F 7 | 1 56 16 | 28°49'27 | 5♏28 | 26°36 | 12° 0 | 28°17 | 11° 7 | 18°36 | 5°57 | 25°49 | 0°48 | 11°D26 | 12° 8 | 0°30 | n.a. | F 7 |
| S 8 | 2 0 12 | 29°50'48 | 20°38 | 25°16 | 13° 3 | 28°54 | 11° 0 | 18°43 | 6° 1 | 25°51 | 0°50 | 11°27 | 12° 5 | 0°37 | n.a. | S 8 |
| S 9 | 2 4 9 | 0♏52'09 | 5♐34 | 24° 1 | 14° 7 | 29°31 | 10°52 | 18°50 | 6° 4 | 25°53 | 0°52 | 11°27 | 12° 2 | 0°44 | n.a. | S 9 |
| M10 | 2 8 5 | 1°53'30 | 20° 9 | 22°53 | 15°11 | 0♑ 7 | 10°44 | 18°57 | 6° 8 | 25°55 | 0°55 | 11°28 | 11°59 | 0°50 | n.a. | M10 |
| T 11 | 2 12 2 | 2°54'51 | 4♑19 | 21°53 | 16°15 | 0°44 | 10°36 | 19° 4 | 6°12 | 25°57 | 0°57 | 11°29 | 11°56 | 0°57 | n.a. | T 11 |
| W12 | 2 15 58 | 3°56'12 | 18° 2 | 21° 4 | 17°19 | 1°20 | 10°28 | 19°10 | 6°15 | 25°59 | 0°59 | 11°29 | 11°52 | 1° 3 | n.a. | W12 |
| T 13 | 2 19 55 | 4°57'33 | 1♒19 | 20°24 | 18°24 | 1°57 | 10°20 | 19°17 | 6°19 | 26° 1 | 1° 1 | 11°R30 | 11°49 | 1°10 | n.a. | T 13 |
| F 14 | 2 23 52 | 5°58'53 | 14°13 | 19°55 | 19°29 | 2°33 | 10°12 | 19°24 | 6°23 | 26° 3 | 1° 3 | 11°30 | 11°46 | 1°17 | n.a. | F 14 |
| S 15 | 2 27 48 | 7° 0'13 | 26°47 | 19°37 | 20°34 | 3°10 | 10° 3 | 19°31 | 6°26 | 26° 6 | 1° 5 | 11°29 | 11°43 | 1°23 | n.a. | S 15 |
| S 16 | 2 31 45 | 8° 1'33 | 9♓ 4 | 19°D29 | 21°39 | 3°46 | 9°55 | 19°38 | 6°30 | 26° 8 | 1° 7 | 11°29 | 11°40 | 1°30 | n.a. | S 16 |
| M17 | 2 35 41 | 9° 2'52 | 21° 9 | 19°30 | 22°45 | 4°22 | 9°47 | 19°44 | 6°33 | 26°10 | 1° 9 | 11°29 | 11°37 | 1°37 | n.a. | M17 |
| T 18 | 2 39 38 | 10° 4'11 | 3♈ 5 | 19°41 | 23°51 | 4°58 | 9°39 | 19°51 | 6°37 | 26°12 | 1°11 | 11°28 | 11°33 | 1°43 | n.a. | T 18 |
| W19 | 2 43 34 | 11° 5'30 | 14°56 | 19°59 | 24°57 | 5°35 | 9°31 | 19°58 | 6°41 | 26°14 | 1°13 | 11°D28 | 11°30 | 1°50 | n.a. | W19 |
| T 20 | 2 47 31 | 12° 6'48 | 26°44 | 20°24 | 26° 4 | 6°11 | 9°23 | 20° 4 | 6°44 | 26°17 | 1°15 | 11°28 | 11°27 | 1°57 | n.a. | T 20 |
| F 21 | 2 51 27 | 13° 8'06 | 8♉32 | 20°57 | 27°11 | 6°47 | 9°15 | 20°11 | 6°48 | 26°19 | 1°17 | 11°R28 | 11°24 | 2° 3 | n.a. | F 21 |
| S 22 | 2 55 24 | 14° 9'24 | 20°22 | 21°35 | 28°18 | 7°23 | 9° 7 | 20°18 | 6°51 | 26°21 | 1°19 | 11°28 | 11°21 | 2°10 | n.a. | S 22 |
| S 23 | 2 59 21 | 15°10'42 | 2♊16 | 22°18 | 29°25 | 7°59 | 8°59 | 20°24 | 6°55 | 26°23 | 1°21 | 11°28 | 11°18 | 2°17 | n.a. | S 23 |
| M24 | 3 3 17 | 16°11'59 | 14°15 | 23° 7 | 0♎32 | 8°35 | 8°50 | 20°31 | 6°59 | 26°25 | 1°23 | 11°27 | 11°14 | 2°23 | n.a. | M24 |
| T 25 | 3 7 14 | 17°13'16 | 26°23 | 23°59 | 1°40 | 9°12 | 8°42 | 20°37 | 7° 2 | 26°28 | 1°25 | 11°27 | 11°11 | 2°30 | n.a. | T 25 |
| W26 | 3 11 10 | 18°14'32 | 8♋42 | 24°56 | 2°48 | 9°47 | 8°35 | 20°44 | 7° 6 | 26°30 | 1°27 | 11°26 | 11° 8 | 2°37 | n.a. | W26 |
| T 27 | 3 15 7 | 19°15'49 | 21°14 | 25°56 | 3°56 | 10°23 | 8°27 | 20°50 | 7° 9 | 26°32 | 1°28 | 11°25 | 11° 5 | 2°43 | n.a. | T 27 |
| F 28 | 3 19 3 | 20°17'05 | 4♌ 2 | 26°59 | 5° 4 | 10°59 | 8°19 | 20°57 | 7°13 | 26°35 | 1°30 | 11°24 | 11° 2 | 2°50 | n.a. | F 28 |
| S 29 | 3 23 0 | 21°18'20 | 17° 9 | 28° 4 | 6°12 | 11°35 | 8°11 | 21° 3 | 7°16 | 26°37 | 1°32 | 11°D24 | 10°58 | 2°56 | n.a. | S 29 |
| S 30 | 3 26 57 | 22♏19'35 | 0♍38 | 29♎12 | 7♎21 | 12♍11 | 8♉ 3 | 21♎10 | 7♏20 | 26♏39 | 1♎34 | 11♉24 | 10♉55 | 3♉ 3 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s 0 | 23n45 | 5n16 | 13s20 | 0s17 | 10n53 | 1n26 | 15n 5 | 1n36 | 15n 2 | 0s42 | 5s14 | 2n 6 | 13s26 | 0n14 | 18s29 | 1n 6 | 12n48 | 14n17 | 15n37 | 15n53 | 10n35 | | n.a. |
| S 2 | 9 23 | 19 32 | 5 12 | 12 42 | 0n 2 | 10 34 | 1 30 | 14 53 | 1 36 | 15 0 | 0 42 | 5 17 | 2 6 | 13 27 | 0 14 | 18 30 | 1 6 | 12 48 | 14 17 | 15 37 | 15 52 | 10 38 | | n.a. |
| M 3 | 9 46 | 14 6 | 4 49 | 12 1 | 0 23 | 10 15 | 1 35 | 14 40 | 1 37 | 14 58 | 0 42 | 5 19 | 2 6 | 13 28 | 0 14 | 18 30 | 1 6 | 12 47 | 14 18 | 15 36 | 15 51 | 10 42 | | n.a. |
| T 4 | 10 9 | 7 45 | 4 7 | 11 16 | 0 43 | 9 56 | 1 39 | 14 28 | 1 37 | 14 55 | 0 42 | 5 22 | 2 6 | 13 29 | 0 14 | 18 31 | 1 6 | 12 46 | 14 18 | 15 35 | 15 50 | 10 45 | | n.a. |
| W 5 | 10 32 | 0 49 | 3 8 | 10 29 | 1 3 | 9 36 | 1 43 | 14 15 | 1 37 | 14 53 | 0 42 | 5 25 | 2 6 | 13 31 | 0 14 | 18 31 | 1 6 | 12 45 | 14 18 | 15 35 | 15 49 | 10 48 | | n.a. |
| T 6 | 10 54 | 6s17 | 1 55 | 9 41 | 1 23 | 9 15 | 1 47 | 14 3 | 1 38 | 14 51 | 0 42 | 5 27 | 2 6 | 13 32 | 0 14 | 18 32 | 1 6 | 12 44 | 14 18 | 15 34 | 15 48 | 10 51 | | n.a. |
| F 7 | 11 16 | 13 5 | 0 33 | 8 53 | 1 41 | 8 54 | 1 51 | 13 50 | 1 38 | 14 48 | 0 42 | 5 30 | 2 6 | 13 33 | 0 14 | 18 32 | 1 6 | 12 44 | 14 18 | 15 34 | 15 47 | 10 54 | | n.a. |
| S 8 | 11 39 | 19 5 | 0s51 | 8 8 | 1 58 | 8 33 | 1 55 | 13 37 | 1 38 | 14 46 | 0 42 | 5 33 | 2 6 | 13 34 | 0 14 | 18 33 | 1 6 | 12 43 | 14 18 | 15 34 | 15 46 | 10 58 | | n.a. |
| S 9 | 12 0 | 23 48 | 2 10 | 7 26 | 2 13 | 8 11 | 1 58 | 13 24 | 1 39 | 14 44 | 0 42 | 5 35 | 2 6 | 13 36 | 0 14 | 18 33 | 1 6 | 12 42 | 14 18 | 15 34 | 15 45 | 11 1 | | n.a. |
| M10 | 12 22 | 26 51 | 3 19 | 6 49 | 2 26 | 7 49 | 2 2 | 13 12 | 1 39 | 14 41 | 0 41 | 5 38 | 2 6 | 13 37 | 0 14 | 18 34 | 1 6 | 12 42 | 14 19 | 15 35 | 15 44 | 11 4 | | n.a. |
| T 11 | 12 44 | 28 4 | 4 13 | 6 16 | 2 37 | 7 27 | 2 5 | 12 59 | 1 39 | 14 39 | 0 41 | 5 41 | 2 6 | 13 38 | 0 14 | 18 34 | 1 5 | 12 41 | 14 19 | 15 35 | 15 43 | 11 7 | | n.a. |
| W12 | 13 5 | 27 30 | 4 52 | 5 50 | 2 45 | 7 4 | 2 8 | 12 46 | 1 40 | 14 36 | 0 41 | 5 43 | 2 6 | 13 39 | 0 14 | 18 35 | 1 5 | 12 40 | 14 19 | 15 35 | 15 42 | 11 10 | | n.a. |
| T 13 | 13 26 | 25 21 | 5 13 | 5 29 | 2 52 | 6 40 | 2 11 | 12 33 | 1 40 | 14 34 | 0 41 | 5 46 | 2 6 | 13 40 | 0 14 | 18 35 | 1 5 | 12 39 | 14 19 | 15 35 | 15 41 | 11 13 | | n.a. |
| F 14 | 13 47 | 21 57 | 5 17 | 5 14 | 2 56 | 6 17 | 2 13 | 12 20 | 1 40 | 14 31 | 0 41 | 5 48 | 2 6 | 13 42 | 0 14 | 18 36 | 1 5 | 12 39 | 14 19 | 15 35 | 15 40 | 11 17 | | n.a. |
| S 15 | 14 8 | 17 37 | 5 7 | 5 5 | 2 59 | 5 53 | 2 16 | 12 6 | 1 41 | 14 29 | 0 41 | 5 51 | 2 6 | 13 43 | 0 14 | 18 36 | 1 5 | 12 38 | 14 20 | 15 35 | 15 39 | 11 20 | | n.a. |
| S 16 | 14 28 | 12 40 | 4 42 | 5 1 | 2 59 | 5 29 | 2 18 | 11 53 | 1 41 | 14 27 | 0 41 | 5 54 | 2 6 | 13 44 | 0 14 | 18 37 | 1 5 | 12 38 | 14 20 | 15 35 | 15 38 | 11 23 | | n.a. |
| M17 | 14 48 | 7 19 | 4 5 | 5 2 | 2 59 | 5 4 | 2 20 | 11 40 | 1 41 | 14 24 | 0 40 | 5 56 | 2 6 | 13 45 | 0 14 | 18 38 | 1 5 | 12 37 | 14 20 | 15 35 | 15 37 | 11 26 | | n.a. |
| T 18 | 15 8 | 1 46 | 3 18 | 5 7 | 2 57 | 4 39 | 2 22 | 11 27 | 1 41 | 14 22 | 0 40 | 5 59 | 2 6 | 13 47 | 0 14 | 18 38 | 1 5 | 12 36 | 14 20 | 15 35 | 15 36 | 11 29 | | n.a. |
| W19 | 15 27 | 3n49 | 2 22 | 5 17 | 2 54 | 4 14 | 2 24 | 11 13 | 1 42 | 14 19 | 0 40 | 6 1 | 2 6 | 13 48 | 0 14 | 18 39 | 1 5 | 12 36 | 14 21 | 15 35 | 15 35 | 11 32 | | n.a. |
| T 20 | 15 47 | 9 15 | 1 21 | 5 31 | 2 50 | 3 49 | 2 26 | 11 0 | 1 42 | 14 17 | 0 40 | 6 4 | 2 6 | 13 49 | 0 14 | 18 39 | 1 5 | 12 35 | 14 21 | 15 35 | 15 34 | 11 35 | | n.a. |
| F 21 | 16 6 | 14 23 | 0 16 | 5 47 | 2 45 | 3 23 | 2 27 | 10 47 | 1 42 | 14 14 | 0 40 | 6 6 | 2 6 | 13 50 | 0 14 | 18 40 | 1 5 | 12 35 | 14 21 | 15 35 | 15 33 | 11 39 | | n.a. |
| S 22 | 16 24 | 18 59 | 0n49 | 6 7 | 2 40 | 2 58 | 2 29 | 10 33 | 1 43 | 14 12 | 0 40 | 6 9 | 2 6 | 13 51 | 0 14 | 18 40 | 1 5 | 12 34 | 14 21 | 15 35 | 15 32 | 11 42 | | n.a. |
| S 23 | 16 43 | 22 53 | 1 53 | 6 29 | 2 34 | 2 32 | 2 30 | 10 20 | 1 43 | 14 9 | 0 39 | 6 11 | 2 6 | 13 53 | 0 14 | 18 41 | 1 5 | 12 34 | 14 22 | 15 35 | 15 31 | 11 45 | | n.a. |
| M24 | 17 1 | 25 49 | 2 52 | 6 53 | 2 27 | 2 5 | 2 31 | 10 6 | 1 43 | 14 7 | 0 39 | 6 14 | 2 6 | 13 54 | 0 14 | 18 41 | 1 5 | 12 33 | 14 22 | 15 34 | 15 30 | 11 48 | | n.a. |
| T 25 | 17 19 | 27 37 | 3 45 | 7 19 | 2 21 | 1 39 | 2 32 | 9 53 | 1 44 | 14 4 | 0 39 | 6 16 | 2 6 | 13 55 | 0 14 | 18 42 | 1 5 | 12 33 | 14 22 | 15 34 | 15 29 | 11 51 | | n.a. |
| W26 | 17 36 | 28 4 | 4 27 | 7 47 | 2 13 | 1 12 | 2 33 | 9 39 | 1 44 | 14 2 | 0 39 | 6 19 | 2 6 | 13 56 | 0 14 | 18 42 | 1 5 | 12 32 | 14 23 | 15 34 | 15 28 | 11 54 | | n.a. |
| T 27 | 17 54 | 27 7 | 4 58 | 8 16 | 2 6 | 0 45 | 2 34 | 9 25 | 1 44 | 14 0 | 0 39 | 6 21 | 2 6 | 13 57 | 0 14 | 18 43 | 1 5 | 12 32 | 14 23 | 15 34 | 15 27 | 11 57 | | n.a. |
| F 28 | 18 10 | 24 43 | 5 15 | 8 46 | 1 58 | 0 18 | 2 35 | 9 12 | 1 44 | 13 57 | 0 39 | 6 23 | 2 6 | 13 59 | 0 14 | 18 44 | 1 5 | 12 31 | 14 23 | 15 33 | 15 26 | 12 1 | | n.a. |
| S 29 | 18 27 | 21 0 | 5 16 | 9 17 | 1 51 | 0s 9 | 2 35 | 8 58 | 1 45 | 13 55 | 0 38 | 6 26 | 2 6 | 14 0 | 0 14 | 18 44 | 1 5 | 12 31 | 14 23 | 15 33 | 15 25 | 12 4 | | n.a. |
| S 30 | 18s43 | 16n 7 | 5n 0 | 9s49 | 1n43 | 0s36 | 2n35 | 8n44 | 1n45 | 13n52 | 0s38 | 6s28 | 2n 6 | 14s 1 | 0n14 | 18s45 | 1n 5 | 12n30 | 14n24 | 15n33 | 15n24 | 12n 7 | | n.a. |

Julian Day Number = 1005106.5, Delta T = 12h46m36s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'47, Lahiri = -30°59'46 Julian Calendar 1 Nov. 1962 BCE == Greg. Calendar 15 Oct. 1962 BCE

The year -1961 astronomical counting style corresponds to year 1962 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1962 BCE
# geocentric

## DECEMBER 1962 BCE (-1961) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 30 53 | 23♏20'50 | 14♍30 | 0♏23 | 8♎30 | 12♍47 | 7°R56 | 21♎16 | 7♏23 | 26♏41 | 1♎35 | 11♉24 | 10♉52 | 3♉10 | n.a. | M 1 |
| T 2 | 3 34 50 | 24°22'04 | 28°45 | 1°35 | 9°38 | 13°23 | 7♉48 | 21°22 | 7°27 | 26°44 | 1°37 | 11°25 | 10°49 | 3°16 | n.a. | T 2 |
| W 3 | 3 38 46 | 25°23'18 | 13♎22 | 2°49 | 10°47 | 13°58 | 7°41 | 21°28 | 7°30 | 26°46 | 1°39 | 11°27 | 10°46 | 3°23 | n.a. | W 3 |
| T 4 | 3 42 43 | 26°24'32 | 28°16 | 4° 4 | 11°57 | 14°34 | 7°33 | 21°35 | 7°34 | 26°48 | 1°40 | 11°27 | 10°43 | 3°30 | n.a. | T 4 |
| F 5 | 3 46 39 | 27°25'44 | 13♏21 | 5°22 | 13° 6 | 15° 9 | 7°26 | 21°41 | 7°37 | 26°50 | 1°42 | 11°R28 | 10°39 | 3°36 | n.a. | F 5 |
| S 6 | 3 50 36 | 28°26'56 | 28°28 | 6°40 | 14°15 | 15°45 | 7°19 | 21°47 | 7°41 | 26°53 | 1°43 | 11°27 | 10°36 | 3°43 | n.a. | S 6 |
| S 7 | 3 54 32 | 29°28'08 | 13♐27 | 8° 0 | 15°25 | 16°20 | 7°12 | 21°53 | 7°44 | 26°55 | 1°45 | 11°26 | 10°33 | 3°50 | n.a. | S 7 |
| M 8 | 3 58 29 | 0♐29'18 | 28°12 | 9°21 | 16°35 | 16°56 | 7° 5 | 21°59 | 7°48 | 26°57 | 1°47 | 11°23 | 10°30 | 3°56 | n.a. | M 8 |
| T 9 | 4 2 26 | 1°30'27 | 12♑33 | 10°43 | 17°44 | 17°31 | 6°58 | 22° 5 | 7°51 | 27° 0 | 1°48 | 11°20 | 10°27 | 4° 3 | n.a. | T 9 |
| W10 | 4 6 22 | 2°31'35 | 26°29 | 12° 6 | 18°54 | 18° 7 | 6°51 | 22°11 | 7°55 | 27° 2 | 1°49 | 11°17 | 10°24 | 4°10 | n.a. | W10 |
| T 11 | 4 10 19 | 3°32'41 | 9♒56 | 13°30 | 20° 4 | 18°42 | 6°45 | 22°16 | 7°58 | 27° 4 | 1°51 | 11°15 | 10°20 | 4°16 | n.a. | T 11 |
| F 12 | 4 14 15 | 4°33'46 | 22°56 | 14°55 | 21°15 | 19°17 | 6°38 | 22°22 | 8° 1 | 27° 6 | 1°52 | 11°13 | 10°17 | 4°23 | n.a. | F 12 |
| S 13 | 4 18 12 | 5°34'50 | 5♓33 | 16°21 | 22°25 | 19°52 | 6°32 | 22°28 | 8° 5 | 27° 9 | 1°54 | 11°D13 | 10°14 | 4°30 | n.a. | S 13 |
| S 14 | 4 22 8 | 6°35'52 | 17°50 | 17°47 | 23°35 | 20°27 | 6°26 | 22°34 | 8° 8 | 27°11 | 1°55 | 11°13 | 10°11 | 4°36 | n.a. | S 14 |
| M15 | 4 26 5 | 7°36'52 | 29°53 | 19°15 | 24°46 | 21° 2 | 6°20 | 22°39 | 8°11 | 27°13 | 1°56 | 11°15 | 10° 8 | 4°43 | n.a. | M15 |
| T 16 | 4 30 2 | 8°37'51 | 11♈45 | 20°43 | 25°56 | 21°37 | 6°14 | 22°45 | 8°14 | 27°15 | 1°58 | 11°17 | 10° 4 | 4°49 | n.a. | T 16 |
| W17 | 4 33 58 | 9°38'49 | 23°33 | 22°12 | 27° 7 | 22°12 | 6° 8 | 22°50 | 8°18 | 27°18 | 1°59 | 11°18 | 10° 1 | 4°56 | n.a. | W17 |
| T 18 | 4 37 55 | 10°39'45 | 5♉19 | 23°42 | 28°17 | 22°47 | 6° 3 | 22°56 | 8°21 | 27°20 | 2° 0 | 11°R20 | 9°58 | 5° 3 | n.a. | T 18 |
| F 19 | 4 41 51 | 11°40'40 | 17° 9 | 25°12 | 29°28 | 23°21 | 5°57 | 23° 1 | 8°24 | 27°22 | 2° 1 | 11°20 | 9°55 | 5° 9 | n.a. | F 19 |
| S 20 | 4 45 48 | 12°41'33 | 29° 3 | 26°43 | 0♏39 | 23°56 | 5°52 | 23° 7 | 8°27 | 27°24 | 2° 2 | 11°18 | 9°52 | 5°16 | n.a. | S 20 |
| S 21 | 4 49 44 | 13°42'25 | 11♊ 6 | 28°15 | 1°50 | 24°31 | 5°47 | 23°12 | 8°30 | 27°27 | 2° 3 | 11°15 | 9°49 | 5°23 | n.a. | S 21 |
| M22 | 4 53 41 | 14°43'15 | 23°18 | 29°48 | 3° 1 | 25° 5 | 5°42 | 23°17 | 8°33 | 27°29 | 2° 4 | 11°10 | 9°45 | 5°29 | n.a. | M22 |
| T 23 | 4 57 38 | 15°44'04 | 5♋41 | 1♐22 | 4°12 | 25°40 | 5°38 | 23°22 | 8°36 | 27°31 | 2° 6 | 11° 4 | 9°42 | 5°36 | n.a. | T 23 |
| W24 | 5 1 34 | 16°44'52 | 18°16 | 2°56 | 5°23 | 26°14 | 5°33 | 23°27 | 8°40 | 27°33 | 2° 7 | 10°58 | 9°39 | 5°43 | n.a. | W24 |
| T 25 | 5 5 31 | 17°45'38 | 1♌ 3 | 4°31 | 6°34 | 26°48 | 5°29 | 23°32 | 8°43 | 27°35 | 2° 8 | 10°51 | 9°36 | 5°49 | n.a. | T 25 |
| F 26 | 5 9 27 | 18°46'23 | 14° 3 | 6° 7 | 7°46 | 27°23 | 5°24 | 23°37 | 8°46 | 27°37 | 2° 8 | 10°46 | 9°33 | 5°56 | n.a. | F 26 |
| S 27 | 5 13 24 | 19°47'06 | 27°17 | 7°43 | 8°57 | 27°57 | 5°20 | 23°42 | 8°48 | 27°40 | 2° 9 | 10°42 | 9°30 | 6° 3 | n.a. | S 27 |
| S 28 | 5 17 20 | 20°47'48 | 10♍46 | 9°21 | 10° 9 | 28°31 | 5°17 | 23°47 | 8°51 | 27°42 | 2°10 | 10°39 | 9°26 | 6° 9 | n.a. | S 28 |
| M29 | 5 21 17 | 21°48'29 | 24°30 | 10°59 | 11°20 | 29° 5 | 5°13 | 23°52 | 8°54 | 27°44 | 2°11 | 10°D39 | 9°23 | 6°16 | n.a. | M29 |
| T 30 | 5 25 13 | 22°49'08 | 8♎31 | 12°38 | 12°32 | 29°39 | 5°10 | 23°57 | 8°57 | 27°46 | 2°12 | 10°40 | 9°20 | 6°23 | n.a. | T 30 |
| W31 | 5 29 10 | 23♐49'46 | 22♎47 | 14♐18 | 13♏43 | 0♎13 | 5♉ 6 | 24♎ 1 | 9♏ 0 | 27♏48 | 2♎13 | 10♉41 | 9♉17 | 6♉29 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| M 1 | 18s59 | 10n18 | 4n26 | 10s22 | 1n35 | 1s 3 | 2n36 | 8n30 | 1n45 | 13n50 | 0s38 | 6s31 | 2n 6 | 14s 2 | 0n14 | 18s45 | 1n 5 | 12n30 | 14n24 | 15n33 | 15n23 | 12n10 | | | n.a. |
| T 2 | 19 15 | 3 47 | 3 35 | 10 55 | 1 26 | 1 31 | 2 36 | 8 17 | 1 45 | 13 48 | 0 38 | 6 33 | 2 6 | 14 3 | 0 14 | 18 46 | 1 5 | 12 30 | 14 24 | 15 34 | 15 22 | 12 13 | | | n.a. |
| W 3 | 19 30 | 3s 5 | 2 30 | 11 28 | 1 18 | 1 58 | 2 36 | 8 3 | 1 46 | 13 46 | 0 38 | 6 35 | 2 7 | 14 4 | 0 14 | 18 46 | 1 5 | 12 29 | 14 25 | 15 34 | 15 21 | 12 16 | | | n.a. |
| T 4 | 19 44 | 9 57 | 1 13 | 12 2 | 1 10 | 2 26 | 2 36 | 7 49 | 1 46 | 13 43 | 0 37 | 6 37 | 2 7 | 14 6 | 0 14 | 18 47 | 1 5 | 12 29 | 14 25 | 15 34 | 15 20 | 12 19 | | | n.a. |
| F 5 | 19 59 | 16 19 | 0s10 | 12 36 | 1 2 | 2 54 | 2 35 | 7 35 | 1 46 | 13 41 | 0 37 | 6 40 | 2 7 | 14 7 | 0 14 | 18 47 | 1 5 | 12 29 | 14 25 | 15 34 | 15 19 | 12 23 | | | n.a. |
| S 6 | 20 13 | 21 43 | 1 33 | 13 10 | 0 54 | 3 21 | 2 35 | 7 22 | 1 46 | 13 39 | 0 37 | 6 42 | 2 7 | 14 8 | 0 14 | 18 48 | 1 5 | 12 28 | 14 26 | 15 34 | 15 18 | 12 26 | | | n.a. |
| S 7 | 20 27 | 25 39 | 2 48 | 13 44 | 0 46 | 3 49 | 2 34 | 7 8 | 1 47 | 13 37 | 0 37 | 6 44 | 2 7 | 14 9 | 0 14 | 18 49 | 1 5 | 12 28 | 14 26 | 15 34 | 15 17 | 12 29 | | | n.a. |
| M 8 | 20 40 | 27 45 | 3 51 | 14 18 | 0 38 | 4 17 | 2 34 | 6 54 | 1 47 | 13 35 | 0 37 | 6 46 | 2 7 | 14 10 | 0 14 | 18 49 | 1 5 | 12 28 | 14 26 | 15 33 | 15 16 | 12 32 | | | n.a. |
| T 9 | 20 53 | 27 54 | 4 37 | 14 52 | 0 30 | 4 45 | 2 33 | 6 40 | 1 47 | 13 33 | 0 36 | 6 48 | 2 7 | 14 11 | 0 14 | 18 50 | 1 5 | 12 27 | 14 27 | 15 32 | 15 15 | 12 35 | | | n.a. |
| W10 | 21 5 | 26 16 | 5 5 | 15 25 | 0 22 | 5 12 | 2 32 | 6 26 | 1 47 | 13 30 | 0 36 | 6 51 | 2 7 | 14 12 | 0 14 | 18 50 | 1 5 | 12 27 | 14 27 | 15 31 | 15 14 | 12 38 | | | n.a. |
| T 11 | 21 17 | 23 10 | 5 15 | 15 59 | 0 14 | 5 40 | 2 31 | 6 12 | 1 48 | 13 29 | 0 36 | 6 53 | 2 7 | 14 14 | 0 14 | 18 51 | 1 5 | 12 27 | 14 27 | 15 30 | 15 13 | 12 41 | | | n.a. |
| F 12 | 21 29 | 19 0 | 5 9 | 16 32 | 0 7 | 6 8 | 2 30 | 5 58 | 1 48 | 13 27 | 0 36 | 6 55 | 2 7 | 14 15 | 0 14 | 18 51 | 1 5 | 12 27 | 14 28 | 15 30 | 15 12 | 12 44 | | | n.a. |
| S 13 | 21 40 | 14 6 | 4 48 | 17 4 | 0s 1 | 6 35 | 2 29 | 5 45 | 1 48 | 13 25 | 0 36 | 6 57 | 2 7 | 14 16 | 0 14 | 18 52 | 1 5 | 12 26 | 14 28 | 15 30 | 15 11 | 12 47 | | | n.a. |
| S 14 | 21 51 | 8 46 | 4 13 | 17 36 | 0 8 | 7 3 | 2 28 | 5 31 | 1 48 | 13 23 | 0 35 | 6 59 | 2 7 | 14 17 | 0 14 | 18 52 | 1 5 | 12 26 | 14 29 | 15 30 | 15 10 | 12 51 | | | n.a. |
| M15 | 22 1 | 3 14 | 3 29 | 18 8 | 0 15 | 7 30 | 2 27 | 5 17 | 1 49 | 13 21 | 0 35 | 7 1 | 2 8 | 14 18 | 0 14 | 18 53 | 1 5 | 12 26 | 14 29 | 15 30 | 15 9 | 12 54 | | | n.a. |
| T 16 | 22 11 | 2n22 | 2 36 | 18 39 | 0 22 | 7 58 | 2 25 | 5 3 | 1 49 | 13 19 | 0 35 | 7 3 | 2 8 | 14 19 | 0 14 | 18 53 | 1 5 | 12 26 | 14 29 | 15 31 | 15 8 | 12 57 | | | n.a. |
| W17 | 22 21 | 7 50 | 1 36 | 19 9 | 0 29 | 8 25 | 2 24 | 4 49 | 1 49 | 13 18 | 0 35 | 7 5 | 2 8 | 14 20 | 0 14 | 18 54 | 1 5 | 12 26 | 14 30 | 15 32 | 15 7 | 13 0 | | | n.a. |
| T 18 | 22 30 | 13 3 | 0 33 | 19 39 | 0 36 | 8 52 | 2 22 | 4 35 | 1 49 | 13 16 | 0 34 | 7 7 | 2 8 | 14 21 | 0 14 | 18 54 | 1 5 | 12 26 | 14 30 | 15 32 | 15 6 | 13 3 | | | n.a. |
| F 19 | 22 38 | 17 48 | 0n32 | 20 8 | 0 42 | 9 19 | 2 21 | 4 21 | 1 49 | 13 14 | 0 34 | 7 9 | 2 8 | 14 22 | 0 14 | 18 55 | 1 5 | 12 26 | 14 31 | 15 32 | 15 5 | 13 6 | | | n.a. |
| S 20 | 22 47 | 21 54 | 1 36 | 20 36 | 0 49 | 9 46 | 2 19 | 4 8 | 1 50 | 13 13 | 0 34 | 7 11 | 2 8 | 14 23 | 0 14 | 18 55 | 1 5 | 12 25 | 14 31 | 15 31 | 15 4 | 13 9 | | | n.a. |
| S 21 | 22 54 | 25 8 | 2 36 | 21 4 | 0 55 | 10 13 | 2 17 | 3 54 | 1 50 | 13 11 | 0 34 | 7 13 | 2 8 | 14 24 | 0 14 | 18 56 | 1 5 | 12 25 | 14 31 | 15 30 | 15 3 | 13 12 | | | n.a. |
| M22 | 23 2 | 27 14 | 3 29 | 21 30 | 1 1 | 10 39 | 2 15 | 3 40 | 1 50 | 13 10 | 0 34 | 7 15 | 2 8 | 14 25 | 0 14 | 18 56 | 1 5 | 12 25 | 14 32 | 15 29 | 15 2 | 13 15 | | | n.a. |
| T 23 | 23 8 | 28 2 | 4 14 | 21 56 | 1 7 | 11 6 | 2 13 | 3 26 | 1 50 | 13 8 | 0 33 | 7 16 | 2 8 | 14 26 | 0 14 | 18 57 | 1 5 | 12 25 | 14 32 | 15 27 | 15 1 | 13 18 | | | n.a. |
| W24 | 23 15 | 27 23 | 4 47 | 22 21 | 1 12 | 11 32 | 2 11 | 3 12 | 1 50 | 13 7 | 0 33 | 7 18 | 2 9 | 14 27 | 0 14 | 18 57 | 1 5 | 12 25 | 14 33 | 15 25 | 15 0 | 13 21 | | | n.a. |
| T 25 | 23 21 | 25 18 | 5 6 | 22 44 | 1 17 | 11 58 | 2 9 | 2 59 | 1 51 | 13 6 | 0 33 | 7 20 | 2 9 | 14 28 | 0 14 | 18 58 | 1 5 | 12 25 | 14 33 | 15 23 | 14 59 | 13 25 | | | n.a. |
| F 26 | 23 26 | 21 53 | 5 10 | 23 7 | 1 22 | 12 23 | 2 7 | 2 45 | 1 51 | 13 5 | 0 33 | 7 22 | 2 9 | 14 29 | 0 14 | 18 58 | 1 5 | 12 25 | 14 33 | 15 21 | 14 58 | 13 28 | | | n.a. |
| S 27 | 23 31 | 17 18 | 4 58 | 23 28 | 1 27 | 12 49 | 2 4 | 2 31 | 1 51 | 13 3 | 0 32 | 7 23 | 2 9 | 14 30 | 0 14 | 18 59 | 1 5 | 12 25 | 14 34 | 15 20 | 14 57 | 13 31 | | | n.a. |
| S 28 | 23 36 | 11 49 | 4 29 | 23 48 | 1 31 | 13 14 | 2 2 | 2 18 | 1 51 | 13 2 | 0 32 | 7 25 | 2 9 | 14 31 | 0 14 | 18 59 | 1 5 | 12 25 | 14 34 | 15 19 | 14 56 | 13 34 | | | n.a. |
| M29 | 23 40 | 5 39 | 3 44 | 24 7 | 1 36 | 13 39 | 2 0 | 2 4 | 1 51 | 13 1 | 0 32 | 7 27 | 2 9 | 14 32 | 0 14 | 19 0 | 1 5 | 12 25 | 14 35 | 15 19 | 14 55 | 13 37 | | | n.a. |
| T 30 | 23 43 | 0s55 | 2 46 | 24 25 | 1 40 | 14 3 | 1 57 | 1 50 | 1 51 | 13 0 | 0 32 | 7 28 | 2 9 | 14 33 | 0 14 | 19 0 | 1 5 | 12 25 | 14 35 | 15 19 | 14 54 | 13 40 | | | n.a. |
| W31 | 23s46 | 7s33 | 1n36 | 24s41 | 1s43 | 14s27 | 1n55 | 1n37 | 1n51 | 12n59 | 0s32 | 7s30 | 2n10 | 14s34 | 0n14 | 19s 1 | 1n 5 | 12n25 | 14n36 | 15n20 | 14n53 | 13n43 | | | n.a. |

Julian Day Number = 1005136.5, Delta T = 12h46m34s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'43, Lahiri = -30°59'42 Julian Calendar 1 Dec. 1962 BCE == Greg. Calendar 14 Nov. 1962 BCE


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## JANUARY 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 33 7 | 24♐50'22 | 7♏17 | 15♐59 | 14♏55 | 0♎46 | 5°R 3 | 24♎ 6 | 9♏ 3 | 27♏50 | 2♎13 | 10°R42 | 9♉14 | 6♉36 | n.a. | T 1 |
| F 2 | 5 37 3 | 25°50'57 | 21°58 | 17°40 | 16° 7 | 1°20 | 5♉ 0 | 24°10 | 9° 6 | 27°52 | 2°14 | 10♉42 | 9°10 | 6°42 | n.a. | F 2 |
| S 3 | 5 41 0 | 26°51'31 | 6♐45 | 19°23 | 17°18 | 1°54 | 4°58 | 24°15 | 9° 8 | 27°54 | 2°15 | 10°39 | 9° 7 | 6°49 | n.a. | S 3 |
| S 4 | 5 44 56 | 27°52'03 | 21°29 | 21° 6 | 18°30 | 2°27 | 4°55 | 24°19 | 9°11 | 27°56 | 2°15 | 10°34 | 9° 4 | 6°56 | n.a. | S 4 |
| M 5 | 5 48 53 | 28°52'33 | 6♑ 5 | 22°50 | 19°42 | 3° 0 | 4°53 | 24°23 | 9°14 | 27°58 | 2°16 | 10°27 | 9° 1 | 7° 2 | n.a. | M 5 |
| T 6 | 5 52 49 | 29°53'01 | 20°24 | 24°36 | 20°54 | 3°34 | 4°51 | 24°27 | 9°16 | 28° 0 | 2°17 | 10°19 | 8°58 | 7° 9 | n.a. | T 6 |
| W 7 | 5 56 46 | 0♑53'27 | 4♒21 | 26°22 | 22° 6 | 4° 7 | 4°49 | 24°31 | 9°19 | 28° 2 | 2°17 | 10°11 | 8°55 | 7°16 | n.a. | W 7 |
| T 8 | 6 0 42 | 1°53'52 | 17°53 | 28° 9 | 23°18 | 4°40 | 4°47 | 24°35 | 9°21 | 28° 4 | 2°18 | 10° 3 | 8°51 | 7°22 | n.a. | T 8 |
| F 9 | 6 4 39 | 2°54'13 | 0♓59 | 29°57 | 24°30 | 5°13 | 4°46 | 24°39 | 9°24 | 28° 6 | 2°18 | 9°56 | 8°48 | 7°29 | n.a. | F 9 |
| S 10 | 6 8 36 | 3°54'33 | 13°40 | 1♑46 | 25°42 | 5°46 | 4°44 | 24°43 | 9°26 | 28° 8 | 2°18 | 9°52 | 8°45 | 7°36 | n.a. | S 10 |
| S 11 | 6 12 32 | 4°54'51 | 26° 1 | 3°36 | 26°54 | 6°18 | 4°43 | 24°47 | 9°29 | 28°10 | 2°19 | 9°49 | 8°42 | 7°42 | n.a. | S 11 |
| M12 | 6 16 29 | 5°55'06 | 8♈ 5 | 5°27 | 28° 6 | 6°51 | 4°42 | 24°51 | 9°31 | 28°12 | 2°19 | 9°D49 | 8°39 | 7°49 | n.a. | M12 |
| T 13 | 6 20 25 | 6°55'19 | 19°58 | 7°19 | 29°18 | 7°23 | 4°41 | 24°54 | 9°34 | 28°14 | 2°19 | 9°50 | 8°36 | 7°56 | n.a. | T 13 |
| W14 | 6 24 22 | 7°55'30 | 1♉46 | 9°11 | 0♐30 | 7°56 | 4°41 | 24°58 | 9°36 | 28°16 | 2°20 | 9°51 | 8°32 | 8° 2 | n.a. | W14 |
| T 15 | 6 28 18 | 8°55'38 | 13°33 | 11° 4 | 1°42 | 8°28 | 4°41 | 25° 1 | 9°38 | 28°18 | 2°20 | 9°R51 | 8°29 | 8° 9 | n.a. | T 15 |
| F 16 | 6 32 15 | 9°55'44 | 25°25 | 12°59 | 2°54 | 9° 0 | 4°D40 | 25° 5 | 9°40 | 28°20 | 2°20 | 9°49 | 8°26 | 8°16 | n.a. | F 16 |
| S 17 | 6 36 11 | 10°55'49 | 7♊25 | 14°53 | 4° 7 | 9°32 | 4°41 | 25° 8 | 9°43 | 28°21 | 2°20 | 9°46 | 8°23 | 8°22 | n.a. | S 17 |
| S 18 | 6 40 8 | 11°55'50 | 19°37 | 16°49 | 5°19 | 10° 4 | 4°41 | 25°11 | 9°45 | 28°23 | 2°20 | 9°39 | 8°20 | 8°29 | n.a. | S 18 |
| M19 | 6 44 5 | 12°55'50 | 2♋ 3 | 18°44 | 6°31 | 10°36 | 4°41 | 25°14 | 9°47 | 28°25 | 2°21 | 9°31 | 8°16 | 8°35 | n.a. | M19 |
| T 20 | 6 48 1 | 13°55'48 | 14°43 | 20°40 | 7°43 | 11° 7 | 4°42 | 25°17 | 9°49 | 28°27 | 2°21 | 9°20 | 8°13 | 8°42 | n.a. | T 20 |
| W21 | 6 51 58 | 14°55'43 | 27°39 | 22°37 | 8°56 | 11°39 | 4°43 | 25°20 | 9°51 | 28°28 | 2°R21 | 9° 8 | 8°10 | 8°49 | n.a. | W21 |
| T 22 | 6 55 54 | 15°55'37 | 10♌48 | 24°33 | 10° 8 | 12°10 | 4°44 | 25°23 | 9°53 | 28°30 | 2°21 | 8°56 | 8° 7 | 8°55 | n.a. | T 22 |
| F 23 | 6 59 51 | 16°55'28 | 24° 9 | 26°28 | 11°20 | 12°41 | 4°45 | 25°26 | 9°55 | 28°32 | 2°21 | 8°46 | 8° 4 | 9° 2 | n.a. | F 23 |
| S 24 | 7 3 47 | 17°55'17 | 7♍42 | 28°23 | 12°33 | 13°12 | 4°47 | 25°28 | 9°57 | 28°33 | 2°20 | 8°38 | 8° 1 | 9° 9 | n.a. | S 24 |
| S 25 | 7 7 44 | 18°55'05 | 21°23 | 0♒18 | 13°45 | 13°43 | 4°48 | 25°31 | 9°59 | 28°35 | 2°20 | 8°32 | 7°57 | 9°15 | n.a. | S 25 |
| M26 | 7 11 40 | 19°54'50 | 5♎13 | 2°10 | 14°58 | 14°14 | 4°50 | 25°33 | 10° 0 | 28°37 | 2°20 | 8°30 | 7°54 | 9°22 | n.a. | M26 |
| T 27 | 7 15 37 | 20°54'34 | 19°11 | 4° 2 | 16°10 | 14°45 | 4°52 | 25°36 | 10° 2 | 28°38 | 2°20 | 8°D29 | 7°51 | 9°29 | n.a. | T 27 |
| W28 | 7 19 34 | 21°54'16 | 3♏17 | 5°51 | 17°22 | 15°15 | 4°54 | 25°38 | 10° 4 | 28°40 | 2°20 | 8°R29 | 7°48 | 9°35 | n.a. | W28 |
| T 29 | 7 23 30 | 22°53'55 | 17°29 | 7°37 | 18°35 | 15°45 | 4°57 | 25°40 | 10° 5 | 28°41 | 2°20 | 8°29 | 7°45 | 9°42 | n.a. | T 29 |
| F 30 | 7 27 27 | 23°53'34 | 1♐46 | 9°20 | 19°47 | 16°15 | 4°59 | 25°42 | 10° 7 | 28°43 | 2°19 | 8°27 | 7°42 | 9°49 | n.a. | F 30 |
| S 31 | 7 31 23 | 24♑53'10 | 16♐ 6 | 11♒ 0 | 21♐ 0 | 16♎45 | 5♉ 2 | 25♎44 | 10♏ 9 | 28♏44 | 2♎19 | 8♉23 | 7♉38 | 9♉55 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 23 s49 | 13 s56 | 0n19 | 24 s56 | 1 s46 | 14 s51 | 1n52 | 1n23 | 1n51 | 12n59 | 0 s31 | 7 s32 | 2n10 | 14 s35 | 0n14 | 19 s 1 | 1n 5 | 12n26 | 14n36 | 15n20 | 14n52 | 13n46 | | | n.a. |
| F 2 | 23 51 | 19 36 | 1 s 1 | 25 9 | 1 49 | 15 15 | 1 49 | 1 10 | 1 52 | 12 58 | 0 31 | 7 33 | 2 10 | 14 36 | 0 14 | 19 2 | 1 5 | 12 26 | 14 36 | 15 20 | 14 50 | 13 49 | | | n.a. |
| S 3 | 23 53 | 24 6 | 2 16 | 25 21 | 1 52 | 15 38 | 1 47 | 0 56 | 1 52 | 12 57 | 0 31 | 7 35 | 2 10 | 14 37 | 0 14 | 19 2 | 1 5 | 12 26 | 14 37 | 15 19 | 14 49 | 13 52 | | | n.a. |
| S 4 | 23 54 | 27 0 | 3 22 | 25 31 | 1 54 | 16 1 | 1 44 | 0 43 | 1 52 | 12 57 | 0 31 | 7 36 | 2 10 | 14 38 | 0 14 | 19 3 | 1 5 | 12 26 | 14 37 | 15 17 | 14 48 | 13 55 | | | n.a. |
| M 5 | 23 55 | 28 1 | 4 14 | 25 39 | 1 56 | 16 24 | 1 41 | 0 29 | 1 52 | 12 56 | 0 30 | 7 37 | 2 10 | 14 38 | 0 14 | 19 3 | 1 5 | 12 26 | 14 38 | 15 15 | 14 47 | 13 58 | | | n.a. |
| T 6 | 23 55 | 27 6 | 4 49 | 25 46 | 1 57 | 16 46 | 1 38 | 0 16 | 1 52 | 12 55 | 0 30 | 7 39 | 2 10 | 14 39 | 0 14 | 19 4 | 1 5 | 12 26 | 14 38 | 15 13 | 14 46 | 14 1 | | | n.a. |
| W 7 | 23 55 | 24 30 | 5 5 | 25 50 | 1 58 | 17 8 | 1 35 | 0 2 | 1 52 | 12 55 | 0 30 | 7 40 | 2 11 | 14 40 | 0 14 | 19 4 | 1 5 | 12 27 | 14 39 | 15 10 | 14 45 | 14 4 | | | n.a. |
| T 8 | 23 54 | 20 35 | 5 4 | 25 53 | 1 59 | 17 29 | 1 32 | 0 s11 | 1 52 | 12 55 | 0 30 | 7 42 | 2 11 | 14 41 | 0 14 | 19 4 | 1 5 | 12 27 | 14 39 | 15 7 | 14 44 | 14 7 | | | n.a. |
| F 9 | 23 53 | 15 48 | 4 47 | 25 54 | 1 59 | 17 50 | 1 30 | 0 24 | 1 52 | 12 54 | 0 29 | 7 43 | 2 11 | 14 42 | 0 14 | 19 5 | 1 5 | 12 27 | 14 39 | 15 5 | 14 43 | 14 10 | | | n.a. |
| S 10 | 23 52 | 10 28 | 4 16 | 25 53 | 1 58 | 18 10 | 1 27 | 0 37 | 1 52 | 12 54 | 0 29 | 7 44 | 2 11 | 14 43 | 0 14 | 19 5 | 1 5 | 12 27 | 14 40 | 15 4 | 14 42 | 14 13 | | | n.a. |
| S 11 | 23 50 | 4 52 | 3 33 | 25 50 | 1 58 | 18 30 | 1 24 | 0 50 | 1 52 | 12 54 | 0 29 | 7 46 | 2 11 | 14 43 | 0 14 | 19 6 | 1 5 | 12 27 | 14 40 | 15 3 | 14 41 | 14 16 | | | n.a. |
| M12 | 23 47 | 0n48 | 2 42 | 25 44 | 1 56 | 18 50 | 1 21 | 1 3 | 1 52 | 12 54 | 0 29 | 7 47 | 2 11 | 14 44 | 0 14 | 19 6 | 1 5 | 12 28 | 14 41 | 15 3 | 14 40 | 14 20 | | | n.a. |
| T 13 | 23 44 | 6 21 | 1 45 | 25 37 | 1 54 | 19 9 | 1 17 | 1 16 | 1 52 | 12 54 | 0 29 | 7 48 | 2 11 | 14 45 | 0 14 | 19 7 | 1 5 | 12 28 | 14 41 | 15 3 | 14 39 | 14 23 | | | n.a. |
| W14 | 23 41 | 11 39 | 0 43 | 25 27 | 1 52 | 19 27 | 1 14 | 1 29 | 1 52 | 12 54 | 0 28 | 7 49 | 2 12 | 14 46 | 0 14 | 19 7 | 1 5 | 12 28 | 14 42 | 15 3 | 14 38 | 14 26 | | | n.a. |
| T 15 | 23 37 | 16 32 | 0n20 | 25 15 | 1 49 | 19 45 | 1 11 | 1 42 | 1 52 | 12 54 | 0 28 | 7 50 | 2 12 | 14 46 | 0 14 | 19 7 | 1 5 | 12 29 | 14 42 | 15 4 | 14 37 | 14 29 | | | n.a. |
| F 16 | 23 32 | 20 50 | 1 22 | 25 1 | 1 45 | 20 3 | 1 8 | 1 55 | 1 52 | 12 54 | 0 28 | 7 51 | 2 12 | 14 47 | 0 14 | 19 8 | 1 5 | 12 29 | 14 43 | 15 3 | 14 36 | 14 32 | | | n.a. |
| S 17 | 23 28 | 24 19 | 2 22 | 24 44 | 1 41 | 20 20 | 1 5 | 2 8 | 1 52 | 12 54 | 0 28 | 7 52 | 2 12 | 14 48 | 0 14 | 19 8 | 1 5 | 12 29 | 14 43 | 15 2 | 14 35 | 14 35 | | | n.a. |
| S 18 | 23 22 | 26 45 | 3 16 | 24 26 | 1 36 | 20 36 | 1 2 | 2 21 | 1 52 | 12 55 | 0 27 | 7 53 | 2 12 | 14 48 | 0 14 | 19 9 | 1 5 | 12 30 | 14 43 | 15 0 | 14 34 | 14 38 | | | n.a. |
| M19 | 23 17 | 27 55 | 4 1 | 24 4 | 1 30 | 20 52 | 0 59 | 2 34 | 1 52 | 12 55 | 0 27 | 7 54 | 2 12 | 14 49 | 0 14 | 19 9 | 1 5 | 12 30 | 14 44 | 14 57 | 14 33 | 14 41 | | | n.a. |
| T 20 | 23 11 | 27 39 | 4 36 | 23 41 | 1 24 | 21 8 | 0 56 | 2 46 | 1 52 | 12 55 | 0 27 | 7 55 | 2 13 | 14 50 | 0 14 | 19 9 | 1 5 | 12 30 | 14 44 | 14 54 | 14 32 | 14 44 | | | n.a. |
| W21 | 23 4 | 25 53 | 4 57 | 23 15 | 1 17 | 21 22 | 0 52 | 2 59 | 1 52 | 12 56 | 0 27 | 7 56 | 2 13 | 14 50 | 0 14 | 19 10 | 1 5 | 12 31 | 14 45 | 14 50 | 14 31 | 14 47 | | | n.a. |
| T 22 | 22 57 | 22 43 | 5 2 | 22 47 | 1 10 | 21 36 | 0 49 | 3 11 | 1 52 | 12 57 | 0 26 | 7 57 | 2 13 | 14 51 | 0 14 | 19 10 | 1 5 | 12 31 | 14 45 | 14 46 | 14 30 | 14 50 | | | n.a. |
| F 23 | 22 49 | 18 18 | 4 52 | 22 17 | 1 1 | 21 50 | 0 46 | 3 24 | 1 52 | 12 57 | 0 26 | 7 58 | 2 13 | 14 52 | 0 14 | 19 10 | 1 5 | 12 31 | 14 46 | 14 43 | 14 29 | 14 53 | | | n.a. |
| S 24 | 22 42 | 12 56 | 4 25 | 21 45 | 0 52 | 22 3 | 0 43 | 3 36 | 1 52 | 12 58 | 0 26 | 7 59 | 2 13 | 14 52 | 0 14 | 19 11 | 1 5 | 12 32 | 14 46 | 14 40 | 14 28 | 14 56 | | | n.a. |
| S 25 | 22 33 | 6 53 | 3 43 | 21 12 | 0 43 | 22 15 | 0 40 | 3 48 | 1 52 | 12 59 | 0 26 | 8 0 | 2 13 | 14 53 | 0 14 | 19 11 | 1 5 | 12 32 | 14 46 | 14 38 | 14 27 | 14 59 | | | n.a. |
| M26 | 22 25 | 0 26 | 2 47 | 20 36 | 0 33 | 22 27 | 0 36 | 4 1 | 1 52 | 12 59 | 0 26 | 8 0 | 2 14 | 14 53 | 0 14 | 19 12 | 1 5 | 12 33 | 14 47 | 14 37 | 14 25 | 15 2 | | | n.a. |
| T 27 | 22 15 | 6 s 7 | 1 41 | 19 59 | 0 22 | 22 38 | 0 33 | 4 13 | 1 52 | 13 0 | 0 25 | 8 1 | 2 14 | 14 54 | 0 14 | 19 12 | 1 5 | 12 33 | 14 47 | 14 37 | 14 24 | 15 5 | | | n.a. |
| W28 | 22 6 | 12 25 | 0 28 | 19 21 | 0 10 | 22 49 | 0 30 | 4 25 | 1 51 | 13 1 | 0 25 | 8 2 | 2 14 | 14 55 | 0 14 | 19 12 | 1 5 | 12 34 | 14 48 | 14 37 | 14 23 | 15 8 | | | n.a. |
| T 29 | 21 56 | 18 9 | 0 s48 | 18 42 | 0n 2 | 22 59 | 0 27 | 4 37 | 1 51 | 13 2 | 0 25 | 8 2 | 2 14 | 14 55 | 0 14 | 19 13 | 1 5 | 12 34 | 14 48 | 14 37 | 14 22 | 15 11 | | | n.a. |
| F 30 | 21 46 | 22 53 | 2 0 | 18 3 | 0 14 | 23 8 | 0 24 | 4 49 | 1 51 | 13 3 | 0 25 | 8 3 | 2 14 | 14 56 | 0 14 | 19 13 | 1 5 | 12 35 | 14 49 | 14 36 | 14 21 | 15 14 | | | n.a. |
| S 31 | 21 s35 | 26 s15 | 3 s 5 | 17 s23 | 0n27 | 23 s16 | 0n20 | 5 s 1 | 1n51 | 13n 5 | 0 s25 | 8 s 4 | 2n15 | 14 s56 | 0n14 | 19 s13 | 1n 5 | 12n35 | 14n49 | 14n35 | 14n20 | 15n17 | | | n.a. |

Julian Day Number = 1005167.5, Delta T = 12h46m31s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'39, Lahiri = -30°59'38 Julian Calendar 1 Jan. 1961 BCE == Greg. Calendar 15 Dec. 1962 BCE

The year -1960 astronomical counting style corresponds to year 1961 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## FEBRUARY 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 35 20 | 25♉52'44 | 0♉25 | 12♒36 | 22♐12 | 17♎15 | 5♉ 5 | 25♎46 | 10♏10 | 28♏46 | 2°R19 | 8°R15 | 7♉35 | 10♉ 2 | n.a. | S 1 |
| M 2 | 7 39 16 | 26°52'16 | 14°37 | 14° 7 | 23°25 | 17°45 | 5° 8 | 25°48 | 10°12 | 28°47 | 2♎18 | 8♉ 6 | 7°32 | 10° 9 | n.a. | M 2 |
| T 3 | 7 43 13 | 27°51'46 | 28°38 | 15°34 | 24°38 | 18°14 | 5°11 | 25°50 | 10°13 | 28°49 | 2°18 | 7°54 | 7°29 | 10°15 | n.a. | T 3 |
| W 4 | 7 47 9 | 28°51'14 | 12♒22 | 16°55 | 25°50 | 18°43 | 5°15 | 25°51 | 10°14 | 28°50 | 2°17 | 7°41 | 7°26 | 10°22 | n.a. | W 4 |
| T 5 | 7 51 6 | 29°50'39 | 25°47 | 18°10 | 27° 3 | 19°12 | 5°19 | 25°53 | 10°16 | 28°51 | 2°17 | 7°29 | 7°22 | 10°28 | n.a. | T 5 |
| F 6 | 7 55 2 | 0♒50'02 | 8♓49 | 19°19 | 28°15 | 19°41 | 5°22 | 25°54 | 10°17 | 28°53 | 2°16 | 7°19 | 7°19 | 10°35 | n.a. | F 6 |
| S 7 | 7 58 59 | 1°49'22 | 21°30 | 20°21 | 29°28 | 20°10 | 5°27 | 25°56 | 10°18 | 28°54 | 2°16 | 7°11 | 7°16 | 10°42 | n.a. | S 7 |
| S 8 | 8 2 56 | 2°48'41 | 3♈51 | 21°17 | 0♉41 | 20°38 | 5°31 | 25°57 | 10°19 | 28°55 | 2°15 | 7° 6 | 7°13 | 10°48 | n.a. | S 8 |
| M 9 | 8 6 52 | 3°47'56 | 15°56 | 22° 5 | 1°53 | 21° 6 | 5°35 | 25°58 | 10°20 | 28°56 | 2°15 | 7° 3 | 7°10 | 10°55 | n.a. | M 9 |
| T 10 | 8 10 49 | 4°47'09 | 27°51 | 22°46 | 3° 6 | 21°34 | 5°40 | 25°59 | 10°22 | 28°58 | 2°14 | 7° 2 | 7° 7 | 11° 2 | n.a. | T 10 |
| W11 | 8 14 45 | 5°46'20 | 9♉39 | 23°20 | 4°18 | 22° 2 | 5°44 | 26° 0 | 10°23 | 28°59 | 2°13 | 7° 2 | 7° 3 | 11° 8 | n.a. | W11 |
| T 12 | 8 18 42 | 6°45'28 | 21°28 | 23°46 | 5°31 | 22°29 | 5°49 | 26° 1 | 10°23 | 29° 0 | 2°12 | 7° 2 | 7° 0 | 11°15 | n.a. | T 12 |
| F 13 | 8 22 38 | 7°44'34 | 3♊21 | 24° 5 | 6°44 | 22°57 | 5°54 | 26° 2 | 10°24 | 29° 1 | 2°12 | 7° 0 | 6°57 | 11°22 | n.a. | F 13 |
| S 14 | 8 26 35 | 8°43'37 | 15°25 | 24°16 | 7°56 | 23°24 | 6° 0 | 26° 2 | 10°25 | 29° 2 | 2°11 | 6°56 | 6°54 | 11°28 | n.a. | S 14 |
| S 15 | 8 30 31 | 9°42'38 | 27°44 | 24°R20 | 9° 9 | 23°50 | 6° 5 | 26° 3 | 10°26 | 29° 3 | 2°10 | 6°49 | 6°51 | 11°35 | n.a. | S 15 |
| M16 | 8 34 28 | 10°41'37 | 10♋20 | 24°16 | 10°22 | 24°17 | 6°11 | 26° 3 | 10°27 | 29° 4 | 2° 9 | 6°40 | 6°48 | 11°42 | n.a. | M16 |
| T 17 | 8 38 24 | 11°40'33 | 23°15 | 24° 6 | 11°34 | 24°43 | 6°16 | 26° 4 | 10°28 | 29° 5 | 2° 8 | 6°29 | 6°44 | 11°48 | n.a. | T 17 |
| W18 | 8 42 21 | 12°39'27 | 6♌29 | 23°49 | 12°47 | 25° 9 | 6°22 | 26° 4 | 10°28 | 29° 6 | 2° 8 | 6°16 | 6°41 | 11°55 | n.a. | W18 |
| T 19 | 8 46 18 | 13°38'18 | 20° 2 | 23°26 | 14° 0 | 25°35 | 6°28 | 26° 4 | 10°29 | 29° 7 | 2° 7 | 6° 4 | 6°38 | 12° 2 | n.a. | T 19 |
| F 20 | 8 50 14 | 14°37'08 | 3♍48 | 22°57 | 15°12 | 26° 1 | 6°34 | 26°R 4 | 10°29 | 29° 8 | 2° 6 | 5°52 | 6°35 | 12° 8 | n.a. | F 20 |
| S 21 | 8 54 11 | 15°35'55 | 17°46 | 22°23 | 16°25 | 26°26 | 6°41 | 26° 4 | 10°30 | 29° 9 | 2° 5 | 5°43 | 6°32 | 12°15 | n.a. | S 21 |
| S 22 | 8 58 7 | 16°34'40 | 1♎51 | 21°45 | 17°38 | 26°51 | 6°47 | 26° 4 | 10°30 | 29°10 | 2° 4 | 5°37 | 6°28 | 12°21 | n.a. | S 22 |
| M23 | 9 2 4 | 17°33'24 | 15°59 | 21° 4 | 18°51 | 27°15 | 6°54 | 26° 4 | 10°31 | 29°10 | 2° 3 | 5°34 | 6°25 | 12°28 | n.a. | M23 |
| T 24 | 9 6 0 | 18°32'05 | 0♏ 8 | 20°20 | 20° 3 | 27°40 | 7° 0 | 26° 3 | 10°31 | 29°11 | 2° 2 | 5°D33 | 6°22 | 12°35 | n.a. | T 24 |
| W25 | 9 9 57 | 19°30'45 | 14°16 | 19°35 | 21°16 | 28° 4 | 7° 7 | 26° 3 | 10°31 | 29°12 | 2° 1 | 5°R33 | 6°19 | 12°41 | n.a. | W25 |
| T 26 | 9 13 53 | 20°29'23 | 28°22 | 18°49 | 22°29 | 28°27 | 7°14 | 26° 2 | 10°32 | 29°13 | 1°59 | 5°33 | 6°16 | 12°48 | n.a. | T 26 |
| F 27 | 9 17 50 | 21°27'59 | 12♐25 | 18° 3 | 23°42 | 28°51 | 7°22 | 26° 2 | 10°32 | 29°13 | 1°58 | 5°31 | 6°13 | 12°55 | n.a. | F 27 |
| S 28 | 9 21 46 | 22°26'33 | 26°25 | 17°18 | 24°55 | 29°14 | 7°29 | 26° 1 | 10°32 | 29°14 | 1°57 | 5°27 | 6° 9 | 13° 1 | n.a. | S 28 |
| S 29 | 9 25 43 | 23♒25'06 | 10♉18 | 16♒34 | 26♉ 7 | 29♎37 | 7♉36 | 26♎ 0 | 10♏32 | 29♏15 | 1♎56 | 5♉21 | 6♉ 6 | 13♉ 8 | n.a. | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21 s24 | 27 s54 | 3 s58 | 16 s43 | 0n41 | 23 s24 | 0n17 | 5 s12 | 1n51 | 13n 6 | 0 s24 | 8 s 4 | 2n15 | 14 s57 | 0n14 | 19 s13 | 1n 5 | 12n36 | 14n49 | 14n32 | 14n19 | 15n20 | | n.a. |
| M 2 | 21 12 | 27 40 | 4 36 | 16 4 | 0 54 | 23 31 | 0 14 | 5 24 | 1 50 | 13 7 | 0 24 | 8 5 | 2 15 | 14 57 | 0 14 | 19 14 | 1 5 | 12 36 | 14 50 | 14 29 | 14 18 | 15 23 | | n.a. |
| T 3 | 21 0 | 25 41 | 4 57 | 15 25 | 1 8 | 23 38 | 0 11 | 5 36 | 1 50 | 13 8 | 0 24 | 8 5 | 2 15 | 14 58 | 0 14 | 19 14 | 1 5 | 12 37 | 14 50 | 14 25 | 14 17 | 15 26 | | n.a. |
| W 4 | 20 48 | 22 13 | 5 0 | 14 47 | 1 22 | 23 43 | 0 8 | 5 47 | 1 50 | 13 10 | 0 24 | 8 5 | 2 15 | 14 58 | 0 14 | 19 14 | 1 5 | 12 37 | 14 51 | 14 21 | 14 16 | 15 29 | | n.a. |
| T 5 | 20 36 | 17 39 | 4 46 | 14 11 | 1 36 | 23 48 | 0 5 | 5 59 | 1 50 | 13 11 | 0 24 | 8 6 | 2 15 | 14 58 | 0 14 | 19 15 | 1 5 | 12 38 | 14 51 | 14 17 | 14 15 | 15 31 | | n.a. |
| F 6 | 20 23 | 12 23 | 4 17 | 13 36 | 1 49 | 23 53 | 0 2 | 6 10 | 1 49 | 13 13 | 0 23 | 8 6 | 2 16 | 14 59 | 0 14 | 19 15 | 1 5 | 12 38 | 14 51 | 14 14 | 14 14 | 15 34 | | n.a. |
| S 7 | 20 9 | 6 44 | 3 36 | 13 3 | 2 3 | 23 57 | 0 s 1 | 6 21 | 1 49 | 13 14 | 0 23 | 8 7 | 2 16 | 14 59 | 0 14 | 19 15 | 1 5 | 12 39 | 14 52 | 14 11 | 14 13 | 15 37 | | n.a. |
| S 8 | 19 56 | 0 58 | 2 46 | 12 33 | 2 16 | 23 59 | 0 4 | 6 32 | 1 49 | 13 16 | 0 23 | 8 7 | 2 16 | 15 0 | 0 14 | 19 15 | 1 5 | 12 40 | 14 52 | 14 9 | 14 12 | 15 40 | | n.a. |
| M 9 | 19 41 | 4n43 | 1 49 | 12 5 | 2 28 | 24 2 | 0 7 | 6 43 | 1 48 | 13 18 | 0 23 | 8 7 | 2 16 | 15 0 | 0 14 | 19 16 | 1 6 | 12 40 | 14 53 | 14 9 | 14 11 | 15 43 | | n.a. |
| T 10 | 19 27 | 10 10 | 0 49 | 11 41 | 2 40 | 24 3 | 0 10 | 6 54 | 1 48 | 13 19 | 0 22 | 8 7 | 2 16 | 15 0 | 0 14 | 19 16 | 1 6 | 12 41 | 14 53 | 14 8 | 14 10 | 15 46 | | n.a. |
| W11 | 19 12 | 15 13 | 0n14 | 11 19 | 2 52 | 24 4 | 0 13 | 7 5 | 1 48 | 13 21 | 0 22 | 8 7 | 2 17 | 15 1 | 0 14 | 19 16 | 1 6 | 12 41 | 14 53 | 14 8 | 14 9 | 15 49 | | n.a. |
| T 12 | 18 57 | 19 42 | 1 16 | 11 0 | 3 2 | 24 4 | 0 16 | 7 16 | 1 47 | 13 23 | 0 22 | 8 8 | 2 17 | 15 1 | 0 14 | 19 16 | 1 6 | 12 42 | 14 54 | 14 8 | 14 8 | 15 52 | | n.a. |
| F 13 | 18 42 | 23 27 | 2 15 | 10 45 | 3 12 | 24 4 | 0 19 | 7 27 | 1 47 | 13 25 | 0 22 | 8 8 | 2 17 | 15 1 | 0 14 | 19 17 | 1 6 | 12 43 | 14 54 | 14 8 | 14 6 | 15 55 | | n.a. |
| S 14 | 18 26 | 26 13 | 3 8 | 10 33 | 3 20 | 24 2 | 0 22 | 7 37 | 1 46 | 13 27 | 0 22 | 8 8 | 2 17 | 15 1 | 0 14 | 19 17 | 1 6 | 12 43 | 14 54 | 14 6 | 14 5 | 15 58 | | n.a. |
| S 15 | 18 11 | 27 48 | 3 54 | 10 25 | 3 28 | 24 0 | 0 24 | 7 48 | 1 46 | 13 29 | 0 21 | 8 8 | 2 17 | 15 2 | 0 14 | 19 17 | 1 6 | 12 44 | 14 55 | 14 4 | 14 4 | 16 1 | | n.a. |
| M16 | 17 54 | 27 59 | 4 30 | 10 20 | 3 34 | 23 57 | 0 27 | 7 58 | 1 46 | 13 31 | 0 21 | 8 8 | 2 17 | 15 2 | 0 14 | 19 17 | 1 6 | 12 45 | 14 55 | 14 1 | 14 3 | 16 4 | | n.a. |
| T 17 | 17 38 | 26 40 | 4 53 | 10 20 | 3 38 | 23 54 | 0 30 | 8 8 | 1 45 | 13 33 | 0 21 | 8 8 | 2 18 | 15 2 | 0 14 | 19 17 | 1 6 | 12 45 | 14 55 | 13 57 | 14 2 | 16 7 | | n.a. |
| W18 | 17 21 | 23 52 | 5 0 | 10 22 | 3 42 | 23 50 | 0 32 | 8 19 | 1 44 | 13 35 | 0 21 | 8 8 | 2 18 | 15 2 | 0 14 | 19 18 | 1 6 | 12 46 | 14 56 | 13 53 | 14 1 | 16 10 | | n.a. |
| T 19 | 17 4 | 19 42 | 4 52 | 10 29 | 3 43 | 23 45 | 0 35 | 8 29 | 1 44 | 13 37 | 0 21 | 8 8 | 2 18 | 15 3 | 0 14 | 19 18 | 1 6 | 12 47 | 14 56 | 13 49 | 14 0 | 16 13 | | n.a. |
| F 20 | 16 47 | 14 25 | 4 26 | 10 38 | 3 43 | 23 39 | 0 37 | 8 39 | 1 43 | 13 40 | 0 21 | 8 7 | 2 18 | 15 3 | 0 14 | 19 18 | 1 6 | 12 47 | 14 56 | 13 45 | 13 59 | 16 16 | | n.a. |
| S 21 | 16 29 | 8 21 | 3 44 | 10 51 | 3 41 | 23 33 | 0 40 | 8 48 | 1 43 | 13 42 | 0 20 | 8 7 | 2 18 | 15 3 | 0 14 | 19 18 | 1 6 | 12 48 | 14 57 | 13 42 | 13 58 | 16 19 | | n.a. |
| S 22 | 16 11 | 1 49 | 2 48 | 11 6 | 3 38 | 23 26 | 0 42 | 8 58 | 1 42 | 13 44 | 0 20 | 8 7 | 2 19 | 15 3 | 0 14 | 19 18 | 1 6 | 12 49 | 14 57 | 13 40 | 13 57 | 16 21 | | n.a. |
| M23 | 15 53 | 4 s51 | 1 42 | 11 25 | 3 33 | 23 18 | 0 45 | 9 8 | 1 41 | 13 47 | 0 20 | 8 7 | 2 19 | 15 3 | 0 14 | 19 18 | 1 6 | 12 49 | 14 57 | 13 38 | 13 56 | 16 24 | | n.a. |
| T 24 | 15 34 | 11 18 | 0 29 | 11 45 | 3 26 | 23 10 | 0 47 | 9 17 | 1 41 | 13 49 | 0 20 | 8 7 | 2 19 | 15 3 | 0 14 | 19 19 | 1 6 | 12 50 | 14 58 | 13 38 | 13 55 | 16 27 | | n.a. |
| W25 | 15 16 | 17 10 | 0 s46 | 12 7 | 3 17 | 23 1 | 0 50 | 9 27 | 1 40 | 13 51 | 0 20 | 8 6 | 2 19 | 15 3 | 0 14 | 19 19 | 1 6 | 12 51 | 14 58 | 13 38 | 13 54 | 16 30 | | n.a. |
| T 26 | 14 57 | 22 7 | 1 58 | 12 31 | 3 8 | 22 51 | 0 52 | 9 36 | 1 39 | 13 54 | 0 19 | 8 6 | 2 19 | 15 3 | 0 14 | 19 19 | 1 6 | 12 51 | 14 58 | 13 38 | 13 53 | 16 33 | | n.a. |
| F 27 | 14 38 | 25 45 | 3 2 | 12 56 | 2 57 | 22 41 | 0 54 | 9 45 | 1 38 | 13 57 | 0 19 | 8 5 | 2 19 | 15 3 | 0 14 | 19 19 | 1 6 | 12 52 | 14 59 | 13 38 | 13 52 | 16 36 | | n.a. |
| S 28 | 14 19 | 27 48 | 3 55 | 13 22 | 2 44 | 22 30 | 0 56 | 9 54 | 1 38 | 13 59 | 0 19 | 8 5 | 2 20 | 15 4 | 0 14 | 19 19 | 1 6 | 12 53 | 14 59 | 13 36 | 13 51 | 16 39 | | n.a. |
| S 29 | 13 s59 | 28 s 4 | 4 s34 | 13 s47 | 2n31 | 22 s18 | 0 s58 | 10 s 3 | 1n37 | 14n 2 | 0 s19 | 8 s 5 | 2n20 | 15 s 4 | 0n14 | 19 s19 | 1n 6 | 12n54 | 14n59 | 13n34 | 13n49 | 16n42 | | n.a. |

Julian Day Number = 1005198.5, Delta T = 12h46m29s
Ecliptic obliquity = 23°55'19, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'34, Lahiri = -30°59'34 Julian Calendar 1 Feb. 1961 BCE == Greg. Calendar 15 Jan. 1961 BCE


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## MARCH 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 29 40 | 24♒23'37 | 24♉ 4 | 15°R53 | 27♉20 | 29♎59 | 7♉44 | 25°R59 | 10°R32 | 29♏15 | 1°R55 | 5°R12 | 6♉ 3 | 13♉15 | n.a. | M 1 |
| T 2 | 9 33 36 | 25°22'05 | 7♒39 | 15♒16 | 28°33 | 0♏21 | 7°52 | 25♎58 | 10♏32 | 29°16 | 1♎54 | 5♉ 1 | 6° 0 | 13°21 | n.a. | T 2 |
| W 3 | 9 37 33 | 26°20'32 | 21° 1 | 14°42 | 29°46 | 0°42 | 7°59 | 25°57 | 10°32 | 29°16 | 1°52 | 4°49 | 5°57 | 13°28 | n.a. | W 3 |
| T 4 | 9 41 29 | 27°18'57 | 4♓ 8 | 14°12 | 0♒59 | 1° 4 | 8° 7 | 25°56 | 10°32 | 29°17 | 1°51 | 4°38 | 5°54 | 13°35 | n.a. | T 4 |
| F 5 | 9 45 26 | 28°17'19 | 16°57 | 13°46 | 2°12 | 1°24 | 8°16 | 25°55 | 10°32 | 29°17 | 1°50 | 4°28 | 5°50 | 13°41 | n.a. | F 5 |
| S 6 | 9 49 22 | 29°15'40 | 29°29 | 13°25 | 3°24 | 1°45 | 8°24 | 25°53 | 10°32 | 29°17 | 1°48 | 4°21 | 5°47 | 13°48 | n.a. | S 6 |
| S 7 | 9 53 19 | 0♓13'58 | 11♈45 | 13° 9 | 4°37 | 2° 5 | 8°32 | 25°52 | 10°31 | 29°18 | 1°47 | 4°16 | 5°44 | 13°55 | n.a. | S 7 |
| M 8 | 9 57 15 | 1°12'14 | 23°48 | 12°58 | 5°50 | 2°25 | 8°41 | 25°50 | 10°31 | 29°18 | 1°46 | 4°14 | 5°41 | 14° 1 | n.a. | M 8 |
| T 9 | 10 1 12 | 2°10'28 | 5♉42 | 12°52 | 7° 3 | 2°44 | 8°49 | 25°49 | 10°31 | 29°19 | 1°44 | 4°D13 | 5°38 | 14° 8 | n.a. | T 9 |
| W10 | 10 5 8 | 3° 8'40 | 17°30 | 12°D51 | 8°16 | 3° 2 | 8°58 | 25°47 | 10°30 | 29°19 | 1°43 | 4°14 | 5°34 | 14°14 | n.a. | W10 |
| T 11 | 10 9 5 | 4° 6'50 | 29°19 | 12°55 | 9°29 | 3°21 | 9° 7 | 25°45 | 10°30 | 29°19 | 1°42 | 4°R14 | 5°31 | 14°21 | n.a. | T 11 |
| F 12 | 10 13 2 | 5° 4'58 | 11♊13 | 13° 4 | 10°42 | 3°39 | 9°16 | 25°43 | 10°29 | 29°19 | 1°40 | 4°14 | 5°28 | 14°28 | n.a. | F 12 |
| S 13 | 10 16 58 | 6° 3'03 | 23°18 | 13°18 | 11°54 | 3°56 | 9°25 | 25°41 | 10°29 | 29°19 | 1°39 | 4°12 | 5°25 | 14°34 | n.a. | S 13 |
| S 14 | 10 20 55 | 7° 1'07 | 5♋39 | 13°36 | 13° 7 | 4°13 | 9°34 | 25°39 | 10°28 | 29°20 | 1°37 | 4° 9 | 5°22 | 14°41 | n.a. | S 14 |
| M15 | 10 24 51 | 7°59'08 | 18°19 | 13°59 | 14°20 | 4°29 | 9°43 | 25°37 | 10°27 | 29°20 | 1°36 | 4° 3 | 5°19 | 14°48 | n.a. | M15 |
| T 16 | 10 28 48 | 8°57'07 | 1♌22 | 14°27 | 15°33 | 4°45 | 9°53 | 25°35 | 10°27 | 29°20 | 1°34 | 3°55 | 5°15 | 14°54 | n.a. | T 16 |
| W17 | 10 32 44 | 9°55'05 | 14°48 | 14°58 | 16°46 | 5° 1 | 10° 2 | 25°33 | 10°26 | 29°20 | 1°33 | 3°47 | 5°12 | 15° 1 | n.a. | W17 |
| T 18 | 10 36 41 | 10°53'00 | 28°37 | 15°34 | 17°59 | 5°16 | 10°12 | 25°30 | 10°25 | 29°R20 | 1°31 | 3°38 | 5° 9 | 15° 8 | n.a. | T 18 |
| F 19 | 10 40 37 | 11°50'53 | 12♍45 | 16°13 | 19°12 | 5°30 | 10°22 | 25°28 | 10°24 | 29°20 | 1°30 | 3°30 | 5° 6 | 15°14 | n.a. | F 19 |
| S 20 | 10 44 34 | 12°48'45 | 27° 7 | 16°56 | 20°25 | 5°44 | 10°32 | 25°25 | 10°23 | 29°20 | 1°28 | 3°24 | 5° 3 | 15°21 | n.a. | S 20 |
| S 21 | 10 48 31 | 13°46'35 | 11♎37 | 17°43 | 21°38 | 5°58 | 10°41 | 25°22 | 10°23 | 29°20 | 1°27 | 3°20 | 4°59 | 15°28 | n.a. | S 21 |
| M22 | 10 52 27 | 14°44'23 | 26°10 | 18°33 | 22°51 | 6°10 | 10°51 | 25°20 | 10°22 | 29°20 | 1°25 | 3°18 | 4°56 | 15°34 | n.a. | M22 |
| T 23 | 10 56 24 | 15°42'11 | 10♏40 | 19°27 | 24° 4 | 6°23 | 11° 2 | 25°17 | 10°21 | 29°19 | 1°23 | 3°D18 | 4°53 | 15°41 | n.a. | T 23 |
| W24 | 11 0 20 | 16°39'56 | 25° 3 | 20°23 | 25°16 | 6°34 | 11°12 | 25°14 | 10°19 | 29°19 | 1°22 | 3°19 | 4°50 | 15°48 | n.a. | W24 |
| T 25 | 11 4 17 | 17°37'41 | 9♐16 | 21°23 | 26°29 | 6°45 | 11°22 | 25°11 | 10°18 | 29°19 | 1°20 | 3°20 | 4°47 | 15°54 | n.a. | T 25 |
| F 26 | 11 8 13 | 18°35'24 | 23°17 | 22°26 | 27°42 | 6°56 | 11°32 | 25° 8 | 10°17 | 29°19 | 1°19 | 3°R20 | 4°44 | 16° 1 | n.a. | F 26 |
| S 27 | 11 12 10 | 19°33'06 | 7♉ 7 | 23°31 | 28°55 | 7° 6 | 11°43 | 25° 5 | 10°16 | 29°19 | 1°17 | 3°19 | 4°40 | 16° 7 | n.a. | S 27 |
| S 28 | 11 16 6 | 20°30'47 | 20°44 | 24°40 | 0♓ 8 | 7°15 | 11°54 | 25° 2 | 10°15 | 29°18 | 1°15 | 3°15 | 4°37 | 16°14 | n.a. | S 28 |
| M29 | 11 20 3 | 21°28'27 | 4♒ 9 | 25°51 | 1°21 | 7°23 | 12° 4 | 24°59 | 10°13 | 29°18 | 1°14 | 3°10 | 4°34 | 16°21 | n.a. | M29 |
| T 30 | 11 24 0 | 22°26'05 | 17°20 | 27° 4 | 2°34 | 7°31 | 12°15 | 24°55 | 10°12 | 29°18 | 1°12 | 3° 4 | 4°31 | 16°27 | n.a. | T 30 |
| W31 | 11 27 56 | 23♓23'42 | 0♓19 | 28♒21 | 3♓48 | 7♏38 | 12♉26 | 24♎52 | 10♏11 | 29♏17 | 1♎11 | 2♉57 | 4♉28 | 16♉34 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 13s39 | 26s35 | 4s56 | 14s13 | 2n17 | 22s 6 | 1s 0 | 10s12 | 1n36 | 14n 4 | 0s19 | 8s 4 | 2n20 | 15s 4 | 0n14 | 19s19 | 1n 6 | 12n54 | 14n59 | 13n31 | 13n48 | 16n45 | | n.a. |
| T 2 | 13 19 | 23 34 | 5 2 | 14 39 | 2 2 | 21 53 | 1 2 | 10 20 | 1 35 | 14 7 | 0 19 | 8 4 | 2 20 | 15 4 | 0 14 | 19 19 | 1 6 | 12 55 | 15 0 | 13 27 | 13 47 | 16 48 | | n.a. |
| W 3 | 12 59 | 19 21 | 4 50 | 15 3 | 1 47 | 21 39 | 1 4 | 10 29 | 1 34 | 14 10 | 0 18 | 8 3 | 2 20 | 15 4 | 0 14 | 19 19 | 1 6 | 12 56 | 15 0 | 13 23 | 13 46 | 16 50 | | n.a. |
| T 4 | 12 39 | 14 16 | 4 23 | 15 27 | 1 31 | 21 25 | 1 6 | 10 37 | 1 33 | 14 13 | 0 18 | 8 2 | 2 20 | 15 4 | 0 14 | 19 20 | 1 6 | 12 56 | 15 0 | 13 19 | 13 45 | 16 53 | | n.a. |
| F 5 | 12 18 | 8 41 | 3 44 | 15 50 | 1 15 | 21 10 | 1 8 | 10 46 | 1 32 | 14 16 | 0 18 | 8 2 | 2 21 | 15 3 | 0 14 | 19 20 | 1 6 | 12 57 | 15 0 | 13 16 | 13 44 | 16 56 | | n.a. |
| S 6 | 11 58 | 2 52 | 2 54 | 16 11 | 0 59 | 20 55 | 1 9 | 10 54 | 1 31 | 14 18 | 0 18 | 8 1 | 2 21 | 15 3 | 0 14 | 19 20 | 1 6 | 12 58 | 15 1 | 13 14 | 13 43 | 16 59 | | n.a. |
| S 7 | 11 37 | 2n57 | 1 57 | 16 31 | 0 44 | 20 39 | 1 11 | 11 2 | 1 30 | 14 21 | 0 18 | 8 0 | 2 21 | 15 3 | 0 14 | 19 20 | 1 6 | 12 59 | 15 1 | 13 12 | 13 42 | 17 2 | | n.a. |
| M 8 | 11 16 | 8 34 | 0 55 | 16 49 | 0 28 | 20 22 | 1 13 | 11 10 | 1 29 | 14 24 | 0 18 | 8 0 | 2 21 | 15 3 | 0 14 | 19 20 | 1 6 | 12 59 | 15 1 | 13 11 | 13 41 | 17 5 | | n.a. |
| T 9 | 10 55 | 13 49 | 0n 8 | 17 5 | 0 13 | 20 5 | 1 14 | 11 18 | 1 28 | 14 27 | 0 17 | 7 59 | 2 21 | 15 3 | 0 14 | 19 20 | 1 6 | 13 0 | 15 1 | 13 11 | 13 40 | 17 8 | | n.a. |
| W10 | 10 33 | 18 31 | 1 11 | 17 19 | 0s 2 | 19 47 | 1 16 | 11 25 | 1 27 | 14 30 | 0 17 | 7 58 | 2 21 | 15 3 | 0 14 | 19 20 | 1 6 | 13 1 | 15 1 | 13 11 | 13 39 | 17 10 | | n.a. |
| T 11 | 10 12 | 22 32 | 2 10 | 17 32 | 0 16 | 19 29 | 1 17 | 11 33 | 1 25 | 14 33 | 0 17 | 7 57 | 2 22 | 15 3 | 0 14 | 19 20 | 1 6 | 13 2 | 15 2 | 13 11 | 13 38 | 17 13 | | n.a. |
| F 12 | 9 50 | 25 37 | 3 5 | 17 42 | 0 30 | 19 10 | 1 18 | 11 40 | 1 24 | 14 36 | 0 17 | 7 57 | 2 22 | 15 3 | 0 14 | 19 20 | 1 6 | 13 2 | 15 2 | 13 11 | 13 37 | 17 16 | | n.a. |
| S 13 | 9 28 | 27 36 | 3 52 | 17 51 | 0 43 | 18 50 | 1 20 | 11 47 | 1 23 | 14 39 | 0 17 | 7 56 | 2 22 | 15 2 | 0 14 | 19 20 | 1 6 | 13 3 | 15 2 | 13 11 | 13 35 | 17 19 | | n.a. |
| S 14 | 9 7 | 28 17 | 4 29 | 17 57 | 0 55 | 18 30 | 1 21 | 11 54 | 1 21 | 14 43 | 0 17 | 7 55 | 2 22 | 15 2 | 0 14 | 19 20 | 1 6 | 13 4 | 15 2 | 13 9 | 13 34 | 17 22 | | n.a. |
| M15 | 8 45 | 27 30 | 4 55 | 18 2 | 1 7 | 18 10 | 1 22 | 12 1 | 1 20 | 14 46 | 0 16 | 7 54 | 2 22 | 15 2 | 0 14 | 19 20 | 1 6 | 13 5 | 15 2 | 13 7 | 13 33 | 17 25 | | n.a. |
| T 16 | 8 22 | 25 13 | 5 6 | 18 5 | 1 19 | 17 49 | 1 23 | 12 8 | 1 19 | 14 49 | 0 16 | 7 53 | 2 22 | 15 2 | 0 14 | 19 20 | 1 6 | 13 5 | 15 2 | 13 5 | 13 32 | 17 28 | | n.a. |
| W17 | 8 0 | 21 29 | 5 0 | 18 5 | 1 29 | 17 28 | 1 24 | 12 15 | 1 17 | 14 52 | 0 16 | 7 52 | 2 22 | 15 2 | 0 14 | 19 20 | 1 6 | 13 6 | 15 2 | 13 2 | 13 31 | 17 30 | | n.a. |
| T 18 | 7 38 | 16 31 | 4 38 | 18 4 | 1 39 | 17 6 | 1 25 | 12 21 | 1 15 | 14 55 | 0 16 | 7 51 | 2 23 | 15 1 | 0 14 | 19 20 | 1 6 | 13 7 | 15 3 | 12 59 | 13 30 | 17 33 | | n.a. |
| F 19 | 7 15 | 10 33 | 3 58 | 18 1 | 1 48 | 16 43 | 1 26 | 12 28 | 1 14 | 14 59 | 0 16 | 7 50 | 2 23 | 15 1 | 0 14 | 19 20 | 1 6 | 13 7 | 15 3 | 12 56 | 13 29 | 17 36 | | n.a. |
| S 20 | 6 53 | 3 57 | 3 2 | 17 55 | 1 57 | 16 21 | 1 27 | 12 34 | 1 12 | 15 2 | 0 16 | 7 49 | 2 23 | 15 1 | 0 14 | 19 20 | 1 7 | 13 8 | 15 3 | 12 54 | 13 28 | 17 39 | | n.a. |
| S 21 | 6 30 | 2s56 | 1 54 | 17 48 | 2 4 | 15 57 | 1 28 | 12 40 | 1 11 | 15 5 | 0 15 | 7 48 | 2 23 | 15 0 | 0 14 | 19 20 | 1 7 | 13 9 | 15 3 | 12 52 | 13 27 | 17 42 | | n.a. |
| M22 | 6 8 | 9 42 | 0 38 | 17 39 | 2 12 | 15 34 | 1 28 | 12 46 | 1 9 | 15 9 | 0 15 | 7 47 | 2 23 | 15 0 | 0 14 | 19 20 | 1 7 | 13 10 | 15 3 | 12 52 | 13 26 | 17 44 | | n.a. |
| T 23 | 5 45 | 15 57 | 0s40 | 17 28 | 2 18 | 15 10 | 1 29 | 12 52 | 1 7 | 15 12 | 0 15 | 7 45 | 2 23 | 15 0 | 0 14 | 19 20 | 1 7 | 13 10 | 15 3 | 12 52 | 13 25 | 17 47 | | n.a. |
| W24 | 5 22 | 21 16 | 1 55 | 17 15 | 2 24 | 14 45 | 1 29 | 12 58 | 1 5 | 15 15 | 0 15 | 7 44 | 2 23 | 14 59 | 0 14 | 19 20 | 1 7 | 13 11 | 15 3 | 12 52 | 13 24 | 17 50 | | n.a. |
| T 25 | 4 59 | 25 17 | 3 2 | 17 0 | 2 29 | 14 20 | 1 30 | 13 3 | 1 3 | 15 19 | 0 15 | 7 43 | 2 23 | 14 59 | 0 14 | 19 20 | 1 7 | 13 12 | 15 3 | 12 52 | 13 22 | 17 53 | | n.a. |
| F 26 | 4 36 | 27 42 | 3 57 | 16 43 | 2 33 | 13 55 | 1 30 | 13 8 | 1 1 | 15 22 | 0 15 | 7 42 | 2 23 | 14 59 | 0 14 | 19 20 | 1 7 | 13 12 | 15 3 | 12 52 | 13 21 | 17 56 | | n.a. |
| S 27 | 4 13 | 28 21 | 4 38 | 16 24 | 2 37 | 13 29 | 1 31 | 13 14 | 0 59 | 15 25 | 0 15 | 7 41 | 2 24 | 14 58 | 0 14 | 19 19 | 1 7 | 13 13 | 15 3 | 12 52 | 13 20 | 17 58 | | n.a. |
| S 28 | 3 50 | 27 15 | 5 2 | 16 4 | 2 39 | 13 4 | 1 31 | 13 19 | 0 57 | 15 29 | 0 14 | 7 39 | 2 24 | 14 58 | 0 14 | 19 19 | 1 7 | 13 14 | 15 3 | 12 51 | 13 19 | 18 1 | | n.a. |
| M29 | 3 27 | 24 36 | 5 9 | 15 41 | 2 42 | 12 37 | 1 31 | 13 24 | 0 55 | 15 32 | 0 14 | 7 38 | 2 24 | 14 58 | 0 14 | 19 19 | 1 7 | 13 15 | 15 3 | 12 49 | 13 18 | 18 4 | | n.a. |
| T 30 | 3 4 | 20 42 | 5 0 | 15 17 | 2 43 | 12 11 | 1 31 | 13 28 | 0 53 | 15 36 | 0 14 | 7 37 | 2 24 | 14 57 | 0 14 | 19 19 | 1 7 | 13 15 | 15 3 | 12 47 | 13 17 | 18 7 | | n.a. |
| W31 | 2s40 | 15s52 | 4s35 | 14s51 | 2s44 | 11s44 | 1s31 | 13s33 | 0n50 | 15n39 | 0s14 | 7s35 | 2n24 | 14s57 | 0n14 | 19s19 | 1n 7 | 13n16 | 15n 3 | 12n45 | 13n16 | 18n10 | | n.a. |

Julian Day Number = 1005227.5, Delta T = 12h46m27s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'30, Lahiri = -30°59'30 Julian Calendar 1 March 1961 BCE == Greg. Calendar 13 Feb. 1961 BCE

The year -1960 astronomical counting style corresponds to year 1961 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## APRIL 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 31 53 | 24♓21'17 | 13♓ 3 | 29♒39 | 5♓ 1 | 7♏45 | 12♉37 | 24°R48 | 10°R 9 | 29°R17 | 1°R 9 | 2°R51 | 4♉25 | 16♉41 | n.a. | T 1 |
| F 2 | 11 35 49 | 25°18'51 | 25°35 | 1♓ 1 | 6°14 | 7°51 | 12°48 | 24♎45 | 10♏ 8 | 29♏16 | 1♎ 7 | 2♉45 | 4°21 | 16°47 | n.a. | F 2 |
| S 3 | 11 39 46 | 26°16'24 | 7♈53 | 2°24 | 7°27 | 7°56 | 12°59 | 24°41 | 10° 6 | 29°16 | 1° 6 | 2°41 | 4°18 | 16°54 | n.a. | S 3 |
| S 4 | 11 43 42 | 27°13'55 | 20° 1 | 3°50 | 8°40 | 8° 0 | 13°10 | 24°38 | 10° 5 | 29°15 | 1° 4 | 2°38 | 4°15 | 17° 1 | n.a. | S 4 |
| M 5 | 11 47 39 | 28°11'25 | 1♉58 | 5°19 | 9°53 | 8° 4 | 13°21 | 24°34 | 10° 3 | 29°15 | 1° 2 | 2°D38 | 4°12 | 17° 7 | n.a. | M 5 |
| T 6 | 11 51 35 | 29° 8'54 | 13°49 | 6°49 | 11° 6 | 8° 7 | 13°32 | 24°30 | 10° 2 | 29°14 | 1° 1 | 2°38 | 4° 9 | 17°14 | n.a. | T 6 |
| W 7 | 11 55 32 | 0♈ 6'21 | 25°37 | 8°22 | 12°19 | 8° 9 | 13°44 | 24°27 | 10° 0 | 29°14 | 0°59 | 2°40 | 4° 5 | 17°21 | n.a. | W 7 |
| T 8 | 11 59 28 | 1° 3'47 | 7♊25 | 9°57 | 13°32 | 8°11 | 13°55 | 24°23 | 9°58 | 29°13 | 0°57 | 2°41 | 4° 2 | 17°27 | n.a. | T 8 |
| F 9 | 12 3 25 | 2° 1'11 | 19°19 | 11°35 | 14°45 | 8°12 | 14° 7 | 24°19 | 9°57 | 29°12 | 0°56 | 2°43 | 3°59 | 17°34 | n.a. | F 9 |
| S 10 | 12 7 22 | 2°58'34 | 1♋24 | 13°15 | 15°58 | 8°R12 | 14°18 | 24°15 | 9°55 | 29°12 | 0°54 | 2°R43 | 3°56 | 17°41 | n.a. | S 10 |
| S 11 | 12 11 18 | 3°55'55 | 13°43 | 14°57 | 17°11 | 8°11 | 14°30 | 24°11 | 9°53 | 29°11 | 0°52 | 2°43 | 3°53 | 17°47 | n.a. | S 11 |
| M12 | 12 15 15 | 4°53'15 | 26°23 | 16°41 | 18°24 | 8°10 | 14°42 | 24° 7 | 9°51 | 29°10 | 0°51 | 2°41 | 3°50 | 17°54 | n.a. | M12 |
| T 13 | 12 19 11 | 5°50'34 | 9♌26 | 18°28 | 19°37 | 8° 8 | 14°54 | 24° 3 | 9°49 | 29° 9 | 0°49 | 2°39 | 3°46 | 18° 0 | n.a. | T 13 |
| W14 | 12 23 8 | 6°47'52 | 22°54 | 20°17 | 20°51 | 8° 5 | 15° 5 | 23°59 | 9°48 | 29° 9 | 0°47 | 2°35 | 3°43 | 18° 7 | n.a. | W14 |
| T 15 | 12 27 4 | 7°45'08 | 6♍49 | 22° 8 | 22° 4 | 8° 1 | 15°17 | 23°55 | 9°46 | 29° 8 | 0°46 | 2°32 | 3°40 | 18°14 | n.a. | T 15 |
| F 16 | 12 31 1 | 8°42'23 | 21° 7 | 24° 1 | 23°17 | 7°57 | 15°29 | 23°51 | 9°44 | 29° 7 | 0°44 | 2°28 | 3°37 | 18°20 | n.a. | F 16 |
| S 17 | 12 34 57 | 9°39'37 | 5♎45 | 25°56 | 24°30 | 7°52 | 15°41 | 23°47 | 9°42 | 29° 6 | 0°42 | 2°26 | 3°34 | 18°27 | n.a. | S 17 |
| S 18 | 12 38 54 | 10°36'50 | 20°35 | 27°54 | 25°43 | 7°46 | 15°53 | 23°43 | 9°40 | 29° 5 | 0°41 | 2°25 | 3°30 | 18°34 | n.a. | S 18 |
| M19 | 12 42 51 | 11°34'02 | 5♏31 | 29°53 | 26°56 | 7°39 | 16° 5 | 23°38 | 9°38 | 29° 4 | 0°39 | 2°D24 | 3°27 | 18°40 | n.a. | M19 |
| T 20 | 12 46 47 | 12°31'13 | 20°24 | 1♈55 | 28°10 | 7°32 | 16°18 | 23°34 | 9°36 | 29° 3 | 0°37 | 2°25 | 3°24 | 18°47 | n.a. | T 20 |
| W21 | 12 50 44 | 13°28'24 | 5♐ 7 | 3°58 | 29°23 | 7°24 | 16°30 | 23°30 | 9°34 | 29° 2 | 0°36 | 2°26 | 3°21 | 18°54 | n.a. | W21 |
| T 22 | 12 54 40 | 14°25'35 | 19°36 | 6° 3 | 0♈36 | 7°15 | 16°42 | 23°26 | 9°31 | 29° 1 | 0°34 | 2°27 | 3°18 | 19° 0 | n.a. | T 22 |
| F 23 | 12 58 37 | 15°22'45 | 3♑47 | 8°10 | 1°49 | 7° 6 | 16°55 | 23°21 | 9°29 | 29° 0 | 0°33 | 2°28 | 3°15 | 19° 7 | n.a. | F 23 |
| S 24 | 13 2 33 | 16°19'54 | 17°37 | 10°18 | 3° 2 | 6°56 | 17° 7 | 23°17 | 9°27 | 28°59 | 0°31 | 2°R28 | 3°11 | 19°14 | n.a. | S 24 |
| S 25 | 13 6 30 | 17°17'03 | 1♒ 8 | 12°27 | 4°16 | 6°45 | 17°19 | 23°13 | 9°25 | 28°58 | 0°29 | 2°28 | 3° 8 | 19°20 | n.a. | S 25 |
| M26 | 13 10 27 | 18°14'12 | 14°21 | 14°38 | 5°29 | 6°34 | 17°32 | 23° 8 | 9°23 | 28°57 | 0°28 | 2°27 | 3° 5 | 19°27 | n.a. | M26 |
| T 27 | 13 14 23 | 19°11'20 | 27°16 | 16°48 | 6°42 | 6°21 | 17°44 | 23° 4 | 9°21 | 28°56 | 0°26 | 2°25 | 3° 2 | 19°34 | n.a. | T 27 |
| W28 | 13 18 20 | 20° 8'28 | 9♓56 | 19° 0 | 7°56 | 6° 9 | 17°57 | 22°59 | 9°18 | 28°55 | 0°25 | 2°24 | 2°59 | 19°40 | n.a. | W28 |
| T 29 | 13 22 16 | 21° 5'36 | 22°22 | 21°11 | 9° 9 | 5°55 | 18°10 | 22°55 | 9°16 | 28°53 | 0°23 | 2°22 | 2°56 | 19°47 | n.a. | T 29 |
| F 30 | 13 26 13 | 22♈ 2'43 | 4♈37 | 23♈23 | 10♈22 | 5♏42 | 18♉22 | 22♎51 | 9♏14 | 28♏52 | 0♎22 | 2♉21 | 2♉52 | 19♉54 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s17 | 10s25 | 3s57 | 14s23 | 2s45 | 11s16 | 1s31 | 13s37 | 0n48 | 15n43 | 0s14 | 7s34 | 2n24 | 14s56 | 0n14 | 19s19 | 1n 7 | 13n17 | 15n 3 | 12n42 | 13n15 | 18n12 | | n.a. |
| F 2 | 1 54 | 4 39 | 3 8 | 13 53 | 2 44 | 10 49 | 1 31 | 13 41 | 0 46 | 15 46 | 0 14 | 7 33 | 2 24 | 14 56 | 0 14 | 19 19 | 1 7 | 13 17 | 15 3 | 12 40 | 13 14 | 18 15 | | n.a. |
| S 3 | 1 31 | 1n12 | 2 11 | 13 22 | 2 44 | 10 21 | 1 31 | 13 45 | 0 43 | 15 50 | 0 13 | 7 31 | 2 24 | 14 55 | 0 14 | 19 19 | 1 7 | 13 18 | 15 3 | 12 39 | 13 13 | 18 18 | | n.a. |
| S 4 | 1 7 | 6 55 | 1 8 | 12 48 | 2 42 | 9 53 | 1 31 | 13 49 | 0 41 | 15 54 | 0 13 | 7 30 | 2 24 | 14 55 | 0 14 | 19 19 | 1 7 | 13 19 | 15 3 | 12 38 | 13 12 | 18 21 | | n.a. |
| M 5 | 0 44 | 12 21 | 0 4 | 12 13 | 2 40 | 9 25 | 1 30 | 13 53 | 0 38 | 15 57 | 0 13 | 7 28 | 2 24 | 14 54 | 0 14 | 19 18 | 1 7 | 13 19 | 15 3 | 12 38 | 13 10 | 18 23 | | n.a. |
| T 6 | 0 21 | 17 16 | 1n 1 | 11 36 | 2 37 | 8 56 | 1 30 | 13 56 | 0 35 | 16 1 | 0 13 | 7 27 | 2 24 | 14 54 | 0 14 | 19 18 | 1 7 | 13 20 | 15 3 | 12 38 | 13 9 | 18 26 | | n.a. |
| W 7 | 0n 3 | 21 32 | 2 3 | 10 58 | 2 34 | 8 27 | 1 30 | 14 0 | 0 33 | 16 4 | 0 13 | 7 26 | 2 24 | 14 53 | 0 14 | 19 18 | 1 7 | 13 20 | 15 3 | 12 38 | 13 8 | 18 29 | | n.a. |
| T 8 | 0 26 | 24 56 | 2 59 | 10 17 | 2 30 | 7 58 | 1 29 | 14 3 | 0 30 | 16 8 | 0 13 | 7 24 | 2 25 | 14 53 | 0 14 | 19 18 | 1 7 | 13 21 | 15 3 | 12 39 | 13 7 | 18 32 | | n.a. |
| F 9 | 0 49 | 27 17 | 3 48 | 9 35 | 2 25 | 7 29 | 1 29 | 14 6 | 0 27 | 16 12 | 0 13 | 7 23 | 2 25 | 14 52 | 0 14 | 19 18 | 1 7 | 13 22 | 15 3 | 12 40 | 13 6 | 18 34 | | n.a. |
| S 10 | 1 12 | 28 23 | 4 28 | 8 52 | 2 20 | 6 59 | 1 28 | 14 9 | 0 24 | 16 15 | 0 13 | 7 21 | 2 25 | 14 52 | 0 14 | 19 18 | 1 7 | 13 22 | 15 3 | 12 40 | 13 5 | 18 37 | | n.a. |
| S 11 | 1 36 | 28 7 | 4 57 | 8 6 | 2 14 | 6 30 | 1 27 | 14 11 | 0 21 | 16 19 | 0 12 | 7 20 | 2 25 | 14 51 | 0 14 | 19 17 | 1 7 | 13 23 | 15 3 | 12 40 | 13 4 | 18 40 | | n.a. |
| M12 | 1 59 | 26 24 | 5 12 | 7 19 | 2 8 | 6 0 | 1 27 | 14 14 | 0 18 | 16 23 | 0 12 | 7 18 | 2 25 | 14 50 | 0 14 | 19 17 | 1 7 | 13 23 | 15 3 | 12 39 | 13 3 | 18 43 | | n.a. |
| T 13 | 2 22 | 23 15 | 5 12 | 6 30 | 2 1 | 5 30 | 1 26 | 14 16 | 0 15 | 16 26 | 0 12 | 7 17 | 2 25 | 14 50 | 0 14 | 19 17 | 1 7 | 13 24 | 15 3 | 12 38 | 13 2 | 18 45 | | n.a. |
| W14 | 2 45 | 18 47 | 4 55 | 5 40 | 1 54 | 5 0 | 1 25 | 14 18 | 0 12 | 16 30 | 0 12 | 7 15 | 2 25 | 14 49 | 0 14 | 19 17 | 1 7 | 13 25 | 15 3 | 12 37 | 13 1 | 18 48 | | n.a. |
| T 15 | 3 8 | 13 12 | 4 20 | 4 48 | 1 46 | 4 30 | 1 24 | 14 20 | 0 8 | 16 34 | 0 12 | 7 13 | 2 25 | 14 49 | 0 14 | 19 17 | 1 7 | 13 25 | 15 3 | 12 36 | 12 59 | 18 51 | | n.a. |
| F 16 | 3 31 | 6 46 | 3 28 | 3 55 | 1 38 | 3 59 | 1 23 | 14 22 | 0 5 | 16 37 | 0 12 | 7 12 | 2 25 | 14 48 | 0 14 | 19 16 | 1 7 | 13 26 | 15 2 | 12 35 | 12 58 | 18 54 | | n.a. |
| S 17 | 3 54 | 0s10 | 2 22 | 3 0 | 1 29 | 3 29 | 1 22 | 14 23 | 0 2 | 16 41 | 0 12 | 7 10 | 2 25 | 14 47 | 0 14 | 19 16 | 1 7 | 13 26 | 15 2 | 12 34 | 12 57 | 18 56 | | n.a. |
| S 18 | 4 17 | 7 12 | 1 5 | 2 4 | 1 20 | 2 58 | 1 21 | 14 25 | 0s 2 | 16 45 | 0 11 | 7 9 | 2 25 | 14 47 | 0 14 | 19 16 | 1 7 | 13 27 | 15 2 | 12 33 | 12 56 | 18 59 | | n.a. |
| M19 | 4 40 | 13 54 | 0s17 | 1 7 | 1 11 | 2 27 | 1 20 | 14 26 | 0 5 | 16 48 | 0 11 | 7 7 | 2 25 | 14 46 | 0 14 | 19 16 | 1 7 | 13 27 | 15 2 | 12 33 | 12 55 | 19 2 | | n.a. |
| T 20 | 5 3 | 19 46 | 1 38 | 0 9 | 1 1 | 1 57 | 1 19 | 14 27 | 0 9 | 16 52 | 0 11 | 7 6 | 2 25 | 14 45 | 0 14 | 19 16 | 1 7 | 13 28 | 15 2 | 12 33 | 12 54 | 19 4 | | n.a. |
| W21 | 5 25 | 24 23 | 2 51 | 0n50 | 0 51 | 1 26 | 1 17 | 14 27 | 0 13 | 16 56 | 0 11 | 7 4 | 2 25 | 14 45 | 0 14 | 19 15 | 1 7 | 13 28 | 15 2 | 12 34 | 12 53 | 19 7 | | n.a. |
| T 22 | 5 48 | 27 22 | 3 52 | 1 50 | 0 41 | 0 55 | 1 16 | 14 28 | 0 16 | 16 59 | 0 11 | 7 2 | 2 25 | 14 44 | 0 14 | 19 15 | 1 7 | 13 29 | 15 1 | 12 34 | 12 52 | 19 10 | | n.a. |
| F 23 | 6 10 | 28 29 | 4 38 | 2 51 | 0 30 | 0 24 | 1 15 | 14 28 | 0 20 | 17 3 | 0 11 | 7 1 | 2 25 | 14 43 | 0 14 | 19 15 | 1 7 | 13 29 | 15 1 | 12 34 | 12 51 | 19 12 | | n.a. |
| S 24 | 6 33 | 27 47 | 5 6 | 3 52 | 0 19 | 0n 7 | 1 13 | 14 29 | 0 24 | 17 7 | 0 11 | 6 59 | 2 25 | 14 43 | 0 14 | 19 15 | 1 7 | 13 30 | 15 1 | 12 34 | 12 50 | 19 15 | | n.a. |
| S 25 | 6 55 | 25 26 | 5 16 | 4 53 | 0 9 | 0 38 | 1 12 | 14 29 | 0 28 | 17 11 | 0 11 | 6 58 | 2 25 | 14 42 | 0 14 | 19 14 | 1 7 | 13 30 | 15 1 | 12 34 | 12 48 | 19 18 | | n.a. |
| M26 | 7 17 | 21 47 | 5 9 | 5 54 | 0n 2 | 1 9 | 1 10 | 14 29 | 0 32 | 17 14 | 0 10 | 6 56 | 2 25 | 14 41 | 0 14 | 19 14 | 1 7 | 13 31 | 15 1 | 12 34 | 12 47 | 19 20 | | n.a. |
| T 27 | 7 40 | 17 9 | 4 47 | 6 55 | 0 12 | 1 40 | 1 9 | 14 28 | 0 36 | 17 18 | 0 10 | 6 54 | 2 25 | 14 41 | 0 14 | 19 14 | 1 7 | 13 31 | 15 0 | 12 33 | 12 46 | 19 23 | | n.a. |
| W28 | 8 2 | 11 51 | 4 11 | 7 56 | 0 23 | 2 11 | 1 7 | 14 28 | 0 40 | 17 22 | 0 10 | 6 53 | 2 25 | 14 40 | 0 14 | 19 14 | 1 7 | 13 31 | 15 0 | 12 33 | 12 45 | 19 26 | | n.a. |
| T 29 | 8 23 | 6 12 | 3 24 | 8 56 | 0 33 | 2 42 | 1 6 | 14 27 | 0 44 | 17 25 | 0 10 | 6 51 | 2 25 | 14 39 | 0 14 | 19 13 | 1 7 | 13 32 | 15 0 | 12 32 | 12 44 | 19 28 | | n.a. |
| F 30 | 8n45 | 0s23 | 2s28 | 9n55 | 0n43 | 3n13 | 1s 4 | 14s26 | 0s48 | 17n29 | 0s10 | 6s49 | 2n25 | 14s38 | 0n14 | 19s13 | 1n 7 | 13n32 | 15n 0 | 12n32 | 12n43 | 19n31 | | n.a. |

Julian Day Number = 1005258.5, Delta T = 12h46m25s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'26, Lahiri = -30°59'26 Julian Calendar 1 Apr. 1961 BCE == Greg. Calendar 15 March 1961 BCE


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## MAY 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 30 9 | 22♈59'49 | 16♈42 | 25♈34 | 11♈35 | 5°R27 | 18♉35 | 22°R46 | 9°R11 | 28°R51 | 0°R20 | 2°R20 | 2♉49 | 20♉ 0 | n.a. | S 1 |
| S 2 | 13 34 6 | 23°56'55 | 28°40 | 27°44 | 12°49 | 5♏12 | 18°48 | 22♎42 | 9♏ 9 | 28♏50 | 0♎19 | 2°D20 | 2°46 | 20° 7 | n.a. | S 2 |
| M 3 | 13 38 2 | 24°54'01 | 10♉31 | 29°54 | 14° 2 | 4°57 | 19° 1 | 22°37 | 9° 7 | 28°48 | 0°17 | 2♉20 | 2°43 | 20°14 | n.a. | M 3 |
| T 4 | 13 41 59 | 25°51'07 | 22°19 | 2♉ 2 | 15°16 | 4°41 | 19°13 | 22°33 | 9° 5 | 28°47 | 0°16 | 2°20 | 2°40 | 20°20 | n.a. | T 4 |
| W 5 | 13 45 56 | 26°48'12 | 4♊ 7 | 4° 9 | 16°29 | 4°25 | 19°26 | 22°29 | 9° 2 | 28°46 | 0°14 | 2°21 | 2°36 | 20°27 | n.a. | W 5 |
| T 6 | 13 49 52 | 27°45'16 | 15°56 | 6°15 | 17°42 | 4° 9 | 19°39 | 22°24 | 9° 0 | 28°45 | 0°13 | 2°21 | 2°33 | 20°33 | n.a. | T 6 |
| F 7 | 13 53 49 | 28°42'20 | 27°52 | 8°19 | 18°56 | 3°52 | 19°52 | 22°20 | 8°57 | 28°43 | 0°11 | 2°22 | 2°30 | 20°40 | n.a. | F 7 |
| S 8 | 13 57 45 | 29°39'24 | 9♋57 | 10°21 | 20° 9 | 3°35 | 20° 5 | 22°16 | 8°55 | 28°42 | 0°10 | 2°22 | 2°27 | 20°47 | n.a. | S 8 |
| S 9 | 14 1 42 | 0♉36'27 | 22°16 | 12°22 | 21°23 | 3°18 | 20°18 | 22°11 | 8°53 | 28°40 | 0° 9 | 2°22 | 2°24 | 20°53 | n.a. | S 9 |
| M10 | 14 5 38 | 1°33'30 | 4♌52 | 14°21 | 22°36 | 3° 0 | 20°31 | 22° 7 | 8°50 | 28°39 | 0° 7 | 2°R22 | 2°21 | 21° 0 | n.a. | M10 |
| T 11 | 14 9 35 | 2°30'32 | 17°51 | 16°17 | 23°50 | 2°43 | 20°44 | 22° 3 | 8°48 | 28°38 | 0° 6 | 2°D22 | 2°17 | 21° 7 | n.a. | T 11 |
| W12 | 14 13 32 | 3°27'34 | 1♍15 | 18°12 | 25° 3 | 2°25 | 20°57 | 21°58 | 8°45 | 28°36 | 0° 5 | 2°22 | 2°14 | 21°13 | n.a. | W12 |
| T 13 | 14 17 28 | 4°24'35 | 15° 5 | 20° 4 | 26°16 | 2° 7 | 21°10 | 21°54 | 8°43 | 28°35 | 0° 3 | 2°22 | 2°11 | 21°20 | n.a. | T 13 |
| F 14 | 14 21 25 | 5°21'36 | 29°21 | 21°55 | 27°30 | 1°50 | 21°23 | 21°50 | 8°41 | 28°33 | 0° 2 | 2°22 | 2° 8 | 21°27 | n.a. | F 14 |
| S 15 | 14 25 21 | 6°18'37 | 14♎ 1 | 23°43 | 28°43 | 1°32 | 21°37 | 21°46 | 8°38 | 28°32 | 0° 1 | 2°23 | 2° 5 | 21°33 | n.a. | S 15 |
| S 16 | 14 29 18 | 7°15'38 | 28°59 | 25°29 | 29°57 | 1°15 | 21°50 | 21°42 | 8°36 | 28°30 | 29♍59 | 2°R23 | 2° 2 | 21°40 | n.a. | S 16 |
| M17 | 14 33 14 | 8°12'39 | 14♏ 8 | 27°13 | 1♉10 | 0°57 | 22° 3 | 21°38 | 8°33 | 28°29 | 29°58 | 2°23 | 1°58 | 21°47 | n.a. | M17 |
| T 18 | 14 37 11 | 9° 9'40 | 29°17 | 28°55 | 2°24 | 0°40 | 22°16 | 21°33 | 8°31 | 28°27 | 29°57 | 2°22 | 1°55 | 21°53 | n.a. | T 18 |
| W19 | 14 41 7 | 10° 6'41 | 14♐19 | 0♊35 | 3°38 | 0°23 | 22°29 | 21°29 | 8°28 | 28°26 | 29°56 | 2°22 | 1°52 | 22° 0 | n.a. | W19 |
| T 20 | 14 45 4 | 11° 3'43 | 29° 5 | 2°13 | 4°51 | 0° 7 | 22°43 | 21°25 | 8°26 | 28°24 | 29°55 | 2°21 | 1°49 | 22° 7 | n.a. | T 20 |
| F 21 | 14 49 1 | 12° 0'45 | 13♑30 | 3°48 | 6° 5 | 29♎50 | 22°56 | 21°21 | 8°24 | 28°23 | 29°54 | 2°20 | 1°46 | 22°13 | n.a. | F 21 |
| S 22 | 14 52 57 | 12°57'48 | 27°29 | 5°21 | 7°18 | 29°34 | 23° 9 | 21°17 | 8°21 | 28°21 | 29°53 | 2°19 | 1°42 | 22°20 | n.a. | S 22 |
| S 23 | 14 56 54 | 13°54'51 | 11♒ 3 | 6°53 | 8°32 | 29°18 | 23°22 | 21°14 | 8°19 | 28°20 | 29°51 | 2°D19 | 1°39 | 22°27 | n.a. | S 23 |
| M24 | 15 0 50 | 14°51'55 | 24°12 | 8°22 | 9°46 | 29° 3 | 23°36 | 21°10 | 8°16 | 28°18 | 29°50 | 2°19 | 1°36 | 22°33 | n.a. | M24 |
| T 25 | 15 4 47 | 15°48'59 | 7♓ 0 | 9°48 | 10°59 | 28°48 | 23°49 | 21° 6 | 8°14 | 28°17 | 29°49 | 2°19 | 1°33 | 22°40 | n.a. | T 25 |
| W26 | 15 8 43 | 16°46'04 | 19°29 | 11°13 | 12°13 | 28°34 | 24° 2 | 21° 2 | 8°12 | 28°15 | 29°48 | 2°21 | 1°30 | 22°47 | n.a. | W26 |
| T 27 | 15 12 40 | 17°43'10 | 1♈43 | 12°35 | 13°27 | 28°20 | 24°16 | 20°58 | 8° 9 | 28°13 | 29°47 | 2°22 | 1°27 | 22°53 | n.a. | T 27 |
| F 28 | 15 16 37 | 18°40'16 | 13°46 | 13°55 | 14°41 | 28° 7 | 24°29 | 20°55 | 8° 7 | 28°12 | 29°47 | 2°23 | 1°23 | 23° 0 | n.a. | F 28 |
| S 29 | 15 20 33 | 19°37'23 | 25°42 | 15°13 | 15°54 | 27°55 | 24°43 | 20°51 | 8° 4 | 28°10 | 29°46 | 2°24 | 1°20 | 23° 7 | n.a. | S 29 |
| S 30 | 15 24 30 | 20°34'30 | 7♉32 | 16°28 | 17° 8 | 27°43 | 24°56 | 20°48 | 8° 2 | 28° 9 | 29°45 | 2°R24 | 1°17 | 23°13 | n.a. | S 30 |
| M31 | 15 28 26 | 21♉31'38 | 19♉20 | 17♊41 | 18♉22 | 27♎31 | 25♉ 9 | 20♎44 | 8♏ 0 | 28♏ 7 | 29♍44 | 2♉23 | 1♉14 | 23♉20 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9n 7 | 5n23 | 1s26 | 10n53 | 0n52 | 3n43 | 1s 2 | 14s25 | 0s52 | 17n33 | 0s10 | 6s48 | 2n25 | 14s38 | 0n14 | 19s13 | 1n 7 | 13n32 | 14n59 | 12n32 | 12n42 | 19n34 | | n.a. |
| S 2 | 9 28 | 10 54 | 0 20 | 11 50 | 1 1 | 4 14 | 1 0 | 14 24 | 0 56 | 17 36 | 0 10 | 6 46 | 2 25 | 14 37 | 0 14 | 19 12 | 1 7 | 13 33 | 14 59 | 12 31 | 12 41 | 19 36 | | n.a. |
| M 3 | 9 50 | 15 59 | 0n45 | 12 45 | 1 10 | 4 45 | 0 58 | 14 22 | 1 0 | 17 40 | 0 10 | 6 45 | 2 25 | 14 36 | 0 14 | 19 12 | 1 7 | 13 33 | 14 59 | 12 31 | 12 40 | 19 39 | | n.a. |
| T 4 | 10 11 | 20 28 | 1 49 | 13 38 | 1 18 | 5 16 | 0 57 | 14 21 | 1 4 | 17 44 | 0 9 | 6 43 | 2 24 | 14 35 | 0 14 | 19 12 | 1 7 | 13 34 | 14 59 | 12 32 | 12 38 | 19 42 | | n.a. |
| W 5 | 10 32 | 24 8 | 2 47 | 14 30 | 1 25 | 5 46 | 0 55 | 14 19 | 1 8 | 17 48 | 0 9 | 6 41 | 2 24 | 14 35 | 0 14 | 19 12 | 1 7 | 13 34 | 14 58 | 12 32 | 12 37 | 19 44 | | n.a. |
| T 6 | 10 53 | 26 48 | 3 39 | 15 19 | 1 32 | 6 16 | 0 53 | 14 18 | 1 13 | 17 51 | 0 9 | 6 40 | 2 24 | 14 34 | 0 14 | 19 11 | 1 7 | 13 34 | 14 58 | 12 32 | 12 36 | 19 47 | | n.a. |
| F 7 | 11 14 | 28 16 | 4 22 | 16 7 | 1 38 | 6 47 | 0 51 | 14 16 | 1 17 | 17 55 | 0 9 | 6 38 | 2 24 | 14 33 | 0 14 | 19 11 | 1 7 | 13 34 | 14 58 | 12 32 | 12 35 | 19 50 | | n.a. |
| S 8 | 11 34 | 28 25 | 4 54 | 16 52 | 1 44 | 7 17 | 0 49 | 14 14 | 1 21 | 17 59 | 0 9 | 6 37 | 2 24 | 14 32 | 0 14 | 19 11 | 1 7 | 13 35 | 14 57 | 12 32 | 12 34 | 19 52 | | n.a. |
| S 9 | 11 55 | 27 11 | 5 13 | 17 35 | 1 49 | 7 47 | 0 47 | 14 12 | 1 25 | 18 2 | 0 9 | 6 35 | 2 24 | 14 32 | 0 14 | 19 10 | 1 7 | 13 35 | 14 57 | 12 32 | 12 33 | 19 55 | | n.a. |
| M10 | 12 15 | 24 33 | 5 17 | 18 16 | 1 53 | 8 17 | 0 45 | 14 9 | 1 29 | 18 6 | 0 9 | 6 34 | 2 24 | 14 31 | 0 14 | 19 10 | 1 7 | 13 35 | 14 57 | 12 32 | 12 32 | 19 57 | | n.a. |
| T 11 | 12 35 | 20 38 | 5 6 | 18 54 | 1 57 | 8 46 | 0 43 | 14 7 | 1 33 | 18 10 | 0 9 | 6 32 | 2 24 | 14 30 | 0 14 | 19 10 | 1 7 | 13 35 | 14 56 | 12 32 | 12 31 | 20 0 | | n.a. |
| W12 | 12 55 | 15 34 | 4 38 | 19 31 | 2 0 | 9 16 | 0 40 | 14 5 | 1 38 | 18 13 | 0 9 | 6 31 | 2 24 | 14 29 | 0 14 | 19 9 | 1 7 | 13 36 | 14 56 | 12 32 | 12 30 | 20 3 | | n.a. |
| T 13 | 13 15 | 9 34 | 3 54 | 20 4 | 2 2 | 9 45 | 0 38 | 14 2 | 1 42 | 18 17 | 0 8 | 6 29 | 2 24 | 14 28 | 0 14 | 19 9 | 1 7 | 13 36 | 14 56 | 12 32 | 12 28 | 20 5 | | n.a. |
| F 14 | 13 34 | 2 54 | 2 53 | 20 36 | 2 4 | 10 14 | 0 36 | 14 0 | 1 46 | 18 20 | 0 8 | 6 28 | 2 24 | 14 28 | 0 14 | 19 9 | 1 7 | 13 36 | 14 55 | 12 32 | 12 27 | 20 8 | | n.a. |
| S 15 | 13 54 | 4s 6 | 1 40 | 21 5 | 2 5 | 10 43 | 0 34 | 13 57 | 1 50 | 18 24 | 0 8 | 6 26 | 2 23 | 14 27 | 0 14 | 19 8 | 1 7 | 13 36 | 14 55 | 12 32 | 12 26 | 20 10 | | n.a. |
| S 16 | 14 13 | 11 2 | 0 19 | 21 32 | 2 5 | 11 11 | 0 32 | 13 55 | 1 54 | 18 28 | 0 8 | 6 25 | 2 23 | 14 26 | 0 14 | 19 8 | 1 7 | 13 36 | 14 55 | 12 33 | 12 25 | 20 13 | | n.a. |
| M17 | 14 32 | 17 26 | 1s 5 | 21 57 | 2 5 | 11 39 | 0 29 | 13 52 | 1 58 | 18 31 | 0 8 | 6 23 | 2 23 | 14 25 | 0 14 | 19 8 | 1 7 | 13 37 | 14 54 | 12 32 | 12 24 | 20 16 | | n.a. |
| T 18 | 14 50 | 22 45 | 2 24 | 22 20 | 2 4 | 12 8 | 0 27 | 13 50 | 2 2 | 18 35 | 0 8 | 6 22 | 2 23 | 14 25 | 0 14 | 19 7 | 1 7 | 13 37 | 14 54 | 12 32 | 12 23 | 20 18 | | n.a. |
| W19 | 15 9 | 26 30 | 3 32 | 22 40 | 2 2 | 12 35 | 0 25 | 13 47 | 2 5 | 18 38 | 0 8 | 6 20 | 2 23 | 14 24 | 0 14 | 19 7 | 1 7 | 13 37 | 14 53 | 12 32 | 12 22 | 20 21 | | n.a. |
| T 20 | 15 27 | 28 21 | 4 25 | 22 58 | 2 0 | 13 3 | 0 23 | 13 45 | 2 9 | 18 42 | 0 8 | 6 19 | 2 23 | 14 23 | 0 14 | 19 7 | 1 7 | 13 37 | 14 53 | 12 32 | 12 21 | 20 23 | | n.a. |
| F 21 | 15 45 | 28 12 | 5 0 | 23 15 | 1 57 | 13 30 | 0 20 | 13 42 | 2 13 | 18 45 | 0 7 | 6 18 | 2 23 | 14 22 | 0 14 | 19 6 | 1 7 | 13 37 | 14 53 | 12 31 | 12 19 | 20 26 | | n.a. |
| S 22 | 16 3 | 26 14 | 5 16 | 23 29 | 1 53 | 13 57 | 0 18 | 13 40 | 2 16 | 18 49 | 0 7 | 6 16 | 2 23 | 14 21 | 0 14 | 19 6 | 1 7 | 13 37 | 14 52 | 12 31 | 12 18 | 20 28 | | n.a. |
| S 23 | 16 20 | 22 49 | 5 13 | 23 41 | 1 49 | 14 23 | 0 16 | 13 37 | 2 20 | 18 52 | 0 7 | 6 15 | 2 22 | 14 21 | 0 14 | 19 6 | 1 7 | 13 37 | 14 52 | 12 31 | 12 17 | 20 31 | | n.a. |
| M24 | 16 37 | 18 20 | 4 54 | 23 52 | 1 45 | 14 49 | 0 13 | 13 35 | 2 23 | 18 56 | 0 7 | 6 14 | 2 22 | 14 20 | 0 14 | 19 5 | 1 7 | 13 37 | 14 51 | 12 31 | 12 16 | 20 34 | | n.a. |
| T 25 | 16 54 | 13 8 | 4 21 | 24 0 | 1 39 | 15 15 | 0 11 | 13 33 | 2 27 | 18 59 | 0 7 | 6 12 | 2 22 | 14 19 | 0 14 | 19 5 | 1 7 | 13 37 | 14 51 | 12 31 | 12 15 | 20 36 | | n.a. |
| W26 | 17 11 | 7 33 | 3 36 | 24 7 | 1 34 | 15 41 | 0 9 | 13 31 | 2 30 | 19 3 | 0 7 | 6 11 | 2 22 | 14 18 | 0 14 | 19 5 | 1 7 | 13 37 | 14 50 | 12 32 | 12 14 | 20 39 | | n.a. |
| T 27 | 17 27 | 1 46 | 2 42 | 24 13 | 1 28 | 16 6 | 0 6 | 13 29 | 2 33 | 19 6 | 0 7 | 6 10 | 2 22 | 14 17 | 0 14 | 19 4 | 1 7 | 13 37 | 14 50 | 12 32 | 12 13 | 20 41 | | n.a. |
| F 28 | 17 44 | 3n59 | 1 41 | 24 16 | 1 21 | 16 30 | 0 4 | 13 27 | 2 36 | 19 10 | 0 7 | 6 8 | 2 22 | 14 17 | 0 14 | 19 4 | 1 7 | 13 37 | 14 50 | 12 33 | 12 12 | 20 44 | | n.a. |
| S 29 | 18 0 | 9 33 | 0 37 | 24 18 | 1 13 | 16 54 | 0 1 | 13 25 | 2 39 | 19 13 | 0 7 | 6 7 | 2 21 | 14 16 | 0 14 | 19 4 | 1 7 | 13 37 | 14 49 | 12 33 | 12 10 | 20 46 | | n.a. |
| S 30 | 18 15 | 14 45 | 0n28 | 24 18 | 1 6 | 17 18 | 0n 1 | 13 23 | 2 42 | 19 17 | 0 6 | 6 6 | 2 21 | 14 15 | 0 14 | 19 3 | 1 7 | 13 37 | 14 49 | 12 33 | 12 9 | 20 49 | | n.a. |
| M31 | 18n31 | 19n23 | 1n32 | 24n18 | 0n57 | 17n42 | 0n 3 | 13s22 | 2s45 | 19n20 | 0s 6 | 6s 5 | 2n21 | 14s14 | 0n14 | 19s 3 | 1n 7 | 13n37 | 14n48 | 12n33 | 12n 8 | 20n51 | | n.a. |

Julian Day Number = 1005288.5, Delta T = 12h46m23s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'22, Lahiri = -30°59'22 Julian Calendar 1 May 1961 BCE == Greg. Calendar 14 Apr. 1961 BCE

The year -1960 astronomical counting style corresponds to year 1961 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## JUNE 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 32 23 | 22♉28'47 | 1♊ 7 | 18♊51 | 19♉36 | 27°R21 | 25♉23 | 20°R41 | 7°R57 | 28°R 5 | 29°R43 | 2°R21 | 1♉11 | 23♉27 | n.a. | T 1 |
| W 2 | 15 36 19 | 23°25'56 | 12°57 | 19°59 | 20°49 | 27♎11 | 25°36 | 20♎38 | 7♏55 | 28♏ 4 | 29♍42 | 2♉18 | 1° 8 | 23°33 | n.a. | W 2 |
| T 3 | 15 40 16 | 24°23'06 | 24°51 | 21° 4 | 22° 3 | 27° 2 | 25°49 | 20°34 | 7°53 | 28° 2 | 29°41 | 2°15 | 1° 4 | 23°40 | n.a. | T 3 |
| F 4 | 15 44 13 | 25°20'17 | 6♋52 | 22° 6 | 23°17 | 26°54 | 26° 3 | 20°31 | 7°50 | 28° 1 | 29°41 | 2°11 | 1° 1 | 23°46 | n.a. | F 4 |
| S 5 | 15 48 9 | 26°17'28 | 19° 1 | 23° 5 | 24°31 | 26°46 | 26°16 | 20°28 | 7°48 | 27°59 | 29°40 | 2° 8 | 0°58 | 23°53 | n.a. | S 5 |
| S 6 | 15 52 6 | 27°14'39 | 1♌23 | 24° 2 | 25°45 | 26°39 | 26°30 | 20°25 | 7°46 | 27°57 | 29°39 | 2° 5 | 0°55 | 24° 0 | n.a. | S 6 |
| M 7 | 15 56 2 | 28°11'52 | 14° 0 | 24°55 | 26°59 | 26°33 | 26°43 | 20°22 | 7°44 | 27°56 | 29°39 | 2° 3 | 0°52 | 24° 6 | n.a. | M 7 |
| T 8 | 15 59 59 | 29° 9'04 | 26°56 | 25°45 | 28°13 | 26°28 | 26°56 | 20°19 | 7°41 | 27°54 | 29°38 | 2°D 2 | 0°48 | 24°13 | n.a. | T 8 |
| W 9 | 16 3 55 | 0♊ 6'17 | 10♍13 | 26°31 | 29°27 | 26°24 | 27°10 | 20°16 | 7°39 | 27°52 | 29°37 | 2° 2 | 0°45 | 24°20 | n.a. | W 9 |
| T 10 | 16 7 52 | 1° 3'31 | 23°53 | 27°14 | 0♊41 | 26°20 | 27°23 | 20°13 | 7°37 | 27°51 | 29°37 | 2° 4 | 0°42 | 24°26 | n.a. | T 10 |
| F 11 | 16 11 48 | 2° 0'45 | 7♎59 | 27°54 | 1°55 | 26°18 | 27°37 | 20°10 | 7°35 | 27°49 | 29°36 | 2° 5 | 0°39 | 24°33 | n.a. | F 11 |
| S 12 | 16 15 45 | 2°58'00 | 22°30 | 28°29 | 3° 9 | 26°16 | 27°50 | 20° 8 | 7°33 | 27°48 | 29°36 | 2° 6 | 0°36 | 24°40 | n.a. | S 12 |
| S 13 | 16 19 42 | 3°55'16 | 7♏21 | 29° 1 | 4°23 | 26°15 | 28° 3 | 20° 5 | 7°31 | 27°46 | 29°35 | 2°R 6 | 0°33 | 24°46 | n.a. | S 13 |
| M14 | 16 23 38 | 4°52'32 | 22°27 | 29°28 | 5°37 | 26°D15 | 28°17 | 20° 3 | 7°29 | 27°44 | 29°35 | 2° 5 | 0°29 | 24°53 | n.a. | M14 |
| T 15 | 16 27 35 | 5°49'50 | 7♐41 | 29°51 | 6°51 | 26°15 | 28°30 | 20° 0 | 7°27 | 27°43 | 29°34 | 2° 2 | 0°26 | 25° 0 | n.a. | T 15 |
| W16 | 16 31 31 | 6°47'09 | 22°50 | 0♋ 9 | 8° 5 | 26°17 | 28°43 | 19°58 | 7°25 | 27°41 | 29°34 | 1°58 | 0°23 | 25° 6 | n.a. | W16 |
| T 17 | 16 35 28 | 7°44'29 | 7♑47 | 0°22 | 9°19 | 26°19 | 28°57 | 19°56 | 7°23 | 27°40 | 29°34 | 1°53 | 0°20 | 25°13 | n.a. | T 17 |
| F 18 | 16 39 24 | 8°41'50 | 22°23 | 0°31 | 10°33 | 26°22 | 29°10 | 19°54 | 7°21 | 27°38 | 29°33 | 1°48 | 0°17 | 25°20 | n.a. | F 18 |
| S 19 | 16 43 21 | 9°39'13 | 6♒32 | 0°R34 | 11°47 | 26°26 | 29°23 | 19°52 | 7°19 | 27°36 | 29°33 | 1°43 | 0°14 | 25°26 | n.a. | S 19 |
| S 20 | 16 47 18 | 10°36'37 | 20°12 | 0°33 | 13° 1 | 26°31 | 29°36 | 19°50 | 7°17 | 27°35 | 29°33 | 1°40 | 0°10 | 25°33 | n.a. | S 20 |
| M21 | 16 51 14 | 11°34'02 | 3♓24 | 0°26 | 14°15 | 26°36 | 29°50 | 19°48 | 7°15 | 27°33 | 29°33 | 1°38 | 0° 7 | 25°40 | n.a. | M21 |
| T 22 | 16 55 11 | 12°31'29 | 16°12 | 0°14 | 15°29 | 26°43 | 0♊ 3 | 19°46 | 7°13 | 27°32 | 29°33 | 1°D38 | 0° 4 | 25°46 | n.a. | T 22 |
| W23 | 16 59 7 | 13°28'58 | 28°37 | 29♊56 | 16°43 | 26°50 | 0°16 | 19°44 | 7°11 | 27°30 | 29°32 | 1°39 | 0° 1 | 25°53 | n.a. | W23 |
| T 24 | 17 3 4 | 14°26'28 | 10♈47 | 29°33 | 17°58 | 26°58 | 0°29 | 19°42 | 7° 9 | 27°29 | 29°32 | 1°40 | 29♈58 | 26° 0 | n.a. | T 24 |
| F 25 | 17 7 0 | 15°24'00 | 22°44 | 29° 6 | 19°12 | 27° 6 | 0°42 | 19°41 | 7° 8 | 27°27 | 29°32 | 1°42 | 29°54 | 26° 6 | n.a. | F 25 |
| S 26 | 17 10 57 | 16°21'33 | 4♉34 | 28°33 | 20°26 | 27°16 | 0°56 | 19°39 | 7° 6 | 27°26 | 29°32 | 1°R42 | 29°51 | 26°13 | n.a. | S 26 |
| S 27 | 17 14 53 | 17°19'08 | 16°21 | 27°56 | 21°40 | 27°26 | 1° 9 | 19°38 | 7° 4 | 27°24 | 29°D32 | 1°41 | 29°48 | 26°20 | n.a. | S 27 |
| M28 | 17 18 50 | 18°16'44 | 28° 9 | 27°15 | 22°54 | 27°37 | 1°22 | 19°37 | 7° 3 | 27°23 | 29°32 | 1°37 | 29°45 | 26°26 | n.a. | M28 |
| T 29 | 17 22 47 | 19°14'22 | 9♊59 | 26°30 | 24° 9 | 27°48 | 1°35 | 19°36 | 7° 1 | 27°21 | 29°32 | 1°32 | 29°42 | 26°33 | n.a. | T 29 |
| W30 | 17 26 43 | 20♊12'02 | 21♊55 | 25♊43 | 25♊23 | 28♎ 1 | 1♊48 | 19♎34 | 7♏ 0 | 27♏20 | 29♍32 | 1♉25 | 29♈39 | 26♉40 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n46 | 23n16 | 2n32 | 24n15 | 0n49 | 18n 5 | 0n 6 | 13s20 | 2s48 | 19n23 | 0s 6 | 6s 4 | 2n21 | 14s14 | 0n14 | 19s 2 | 1n 7 | 13n37 | 14n48 | 12n32 | 12n 7 | 20n54 | | n.a. |
| W 2 | 19 0 | 26 12 | 3 25 | 24 11 | 0 39 | 18 27 | 0 8 | 13 19 | 2 51 | 19 27 | 0 6 | 6 3 | 2 21 | 14 13 | 0 14 | 19 2 | 1 7 | 13 37 | 14 47 | 12 31 | 12 6 | 20 56 | | n.a. |
| T 3 | 19 15 | 27 59 | 4 10 | 24 7 | 0 30 | 18 49 | 0 10 | 13 18 | 2 53 | 19 30 | 0 6 | 6 2 | 2 21 | 14 12 | 0 14 | 19 2 | 1 7 | 13 37 | 14 47 | 12 30 | 12 5 | 20 59 | | n.a. |
| F 4 | 19 29 | 28 28 | 4 44 | 24 1 | 0 20 | 19 10 | 0 13 | 13 18 | 2 56 | 19 34 | 0 6 | 6 1 | 2 20 | 14 11 | 0 14 | 19 1 | 1 7 | 13 36 | 14 46 | 12 28 | 12 4 | 21 1 | | n.a. |
| S 5 | 19 43 | 27 35 | 5 6 | 23 53 | 0 9 | 19 31 | 0 15 | 13 17 | 2 58 | 19 37 | 0 6 | 6 0 | 2 20 | 14 11 | 0 14 | 19 1 | 1 7 | 13 36 | 14 46 | 12 27 | 12 3 | 21 4 | | n.a. |
| S 6 | 19 56 | 25 21 | 5 14 | 23 45 | 0s 2 | 19 52 | 0 17 | 13 17 | 3 1 | 19 40 | 0 6 | 5 59 | 2 20 | 14 10 | 0 14 | 19 1 | 1 7 | 13 36 | 14 45 | 12 26 | 12 1 | 21 6 | | n.a. |
| M 7 | 20 9 | 21 51 | 5 7 | 23 36 | 0 13 | 20 12 | 0 20 | 13 16 | 3 3 | 19 43 | 0 6 | 5 58 | 2 20 | 14 9 | 0 14 | 19 0 | 1 7 | 13 36 | 14 45 | 12 26 | 12 0 | 21 9 | | n.a. |
| T 8 | 20 22 | 17 14 | 4 45 | 23 26 | 0 25 | 20 31 | 0 22 | 13 17 | 3 5 | 19 47 | 0 6 | 5 57 | 2 20 | 14 9 | 0 14 | 19 0 | 1 7 | 13 36 | 14 44 | 12 25 | 11 59 | 21 11 | | n.a. |
| W 9 | 20 35 | 11 41 | 4 7 | 23 16 | 0 37 | 20 50 | 0 24 | 13 17 | 3 7 | 19 50 | 0 5 | 5 56 | 2 19 | 14 8 | 0 14 | 19 0 | 1 7 | 13 35 | 14 44 | 12 25 | 11 58 | 21 14 | | n.a. |
| T 10 | 20 47 | 5 26 | 3 14 | 23 4 | 0 49 | 21 8 | 0 26 | 13 17 | 3 9 | 19 53 | 0 5 | 5 55 | 2 19 | 14 7 | 0 13 | 18 59 | 1 7 | 13 35 | 14 43 | 12 26 | 11 57 | 21 16 | | n.a. |
| F 11 | 20 59 | 1s16 | 2 8 | 22 53 | 1 2 | 21 26 | 0 29 | 13 18 | 3 11 | 19 56 | 0 5 | 5 54 | 2 19 | 14 6 | 0 13 | 18 59 | 1 7 | 13 35 | 14 43 | 12 26 | 11 56 | 21 19 | | n.a. |
| S 12 | 21 10 | 8 7 | 0 52 | 22 40 | 1 15 | 21 43 | 0 31 | 13 19 | 3 13 | 20 0 | 0 5 | 5 53 | 2 19 | 14 6 | 0 13 | 18 58 | 1 7 | 13 35 | 14 42 | 12 27 | 11 55 | 21 21 | | n.a. |
| S 13 | 21 22 | 14 42 | 0s29 | 22 27 | 1 28 | 21 59 | 0 33 | 13 20 | 3 14 | 20 3 | 0 5 | 5 52 | 2 19 | 14 5 | 0 13 | 18 58 | 1 7 | 13 34 | 14 42 | 12 27 | 11 54 | 21 24 | | n.a. |
| M14 | 21 32 | 20 31 | 1 49 | 22 14 | 1 41 | 22 15 | 0 35 | 13 22 | 3 16 | 20 6 | 0 5 | 5 52 | 2 18 | 14 4 | 0 13 | 18 58 | 1 7 | 13 34 | 14 41 | 12 26 | 11 52 | 21 26 | | n.a. |
| T 15 | 21 43 | 25 1 | 3 2 | 22 1 | 1 55 | 22 30 | 0 37 | 13 23 | 3 18 | 20 9 | 0 5 | 5 51 | 2 18 | 14 4 | 0 13 | 18 57 | 1 7 | 13 34 | 14 41 | 12 25 | 11 51 | 21 29 | | n.a. |
| W16 | 21 53 | 27 45 | 4 2 | 21 47 | 2 8 | 22 45 | 0 39 | 13 25 | 3 19 | 20 12 | 0 5 | 5 50 | 2 18 | 14 3 | 0 13 | 18 57 | 1 7 | 13 34 | 14 40 | 12 24 | 11 50 | 21 31 | | n.a. |
| T 17 | 22 2 | 28 25 | 4 44 | 21 34 | 2 22 | 22 59 | 0 42 | 13 28 | 3 20 | 20 15 | 0 5 | 5 50 | 2 18 | 14 2 | 0 13 | 18 57 | 1 7 | 13 33 | 14 40 | 12 22 | 11 49 | 21 33 | | n.a. |
| F 18 | 22 12 | 27 4 | 5 7 | 21 20 | 2 35 | 23 12 | 0 44 | 13 30 | 3 22 | 20 18 | 0 4 | 5 49 | 2 17 | 14 2 | 0 13 | 18 56 | 1 7 | 13 33 | 14 39 | 12 20 | 11 48 | 21 36 | | n.a. |
| S 19 | 22 21 | 24 0 | 5 10 | 21 7 | 2 48 | 23 24 | 0 46 | 13 32 | 3 23 | 20 21 | 0 4 | 5 48 | 2 17 | 14 1 | 0 13 | 18 56 | 1 7 | 13 32 | 14 39 | 12 19 | 11 47 | 21 38 | | n.a. |
| S 20 | 22 29 | 19 42 | 4 55 | 20 54 | 3 1 | 23 36 | 0 48 | 13 35 | 3 24 | 20 24 | 0 4 | 5 48 | 2 17 | 14 1 | 0 13 | 18 56 | 1 7 | 13 32 | 14 38 | 12 18 | 11 46 | 21 41 | | n.a. |
| M21 | 22 37 | 14 33 | 4 25 | 20 41 | 3 14 | 23 47 | 0 50 | 13 38 | 3 25 | 20 27 | 0 4 | 5 47 | 2 17 | 14 0 | 0 13 | 18 55 | 1 7 | 13 32 | 14 37 | 12 17 | 11 44 | 21 43 | | n.a. |
| T 22 | 22 45 | 8 57 | 3 42 | 20 29 | 3 26 | 23 58 | 0 51 | 13 42 | 3 26 | 20 30 | 0 4 | 5 47 | 2 16 | 13 59 | 0 13 | 18 55 | 1 7 | 13 31 | 14 37 | 12 17 | 11 43 | 21 45 | | n.a. |
| W23 | 22 53 | 3 9 | 2 50 | 20 17 | 3 38 | 24 8 | 0 53 | 13 45 | 3 27 | 20 33 | 0 4 | 5 46 | 2 16 | 13 59 | 0 13 | 18 55 | 1 7 | 13 31 | 14 36 | 12 17 | 11 42 | 21 48 | | n.a. |
| T 24 | 23 0 | 2n39 | 1 51 | 20 6 | 3 49 | 24 17 | 0 55 | 13 49 | 3 28 | 20 36 | 0 4 | 5 46 | 2 16 | 13 58 | 0 13 | 18 54 | 1 7 | 13 30 | 14 36 | 12 18 | 11 41 | 21 50 | | n.a. |
| F 25 | 23 6 | 8 16 | 0 48 | 19 56 | 3 59 | 24 25 | 0 57 | 13 53 | 3 29 | 20 39 | 0 4 | 5 46 | 2 16 | 13 58 | 0 13 | 18 54 | 1 7 | 13 30 | 14 35 | 12 18 | 11 40 | 21 53 | | n.a. |
| S 26 | 23 12 | 13 33 | 0n16 | 19 47 | 4 8 | 24 33 | 0 59 | 13 57 | 3 30 | 20 42 | 0 4 | 5 45 | 2 15 | 13 57 | 0 13 | 18 54 | 1 7 | 13 29 | 14 35 | 12 18 | 11 39 | 21 55 | | n.a. |
| S 27 | 23 18 | 18 19 | 1 19 | 19 39 | 4 15 | 24 40 | 1 0 | 14 1 | 3 30 | 20 45 | 0 3 | 5 45 | 2 15 | 13 56 | 0 13 | 18 53 | 1 7 | 13 29 | 14 34 | 12 18 | 11 38 | 21 57 | | n.a. |
| M28 | 23 24 | 22 23 | 2 18 | 19 32 | 4 22 | 24 46 | 1 2 | 14 6 | 3 31 | 20 48 | 0 3 | 5 45 | 2 15 | 13 56 | 0 13 | 18 53 | 1 7 | 13 28 | 14 34 | 12 17 | 11 36 | 22 0 | | n.a. |
| T 29 | 23 29 | 25 33 | 3 12 | 19 26 | 4 27 | 24 51 | 1 4 | 14 11 | 3 31 | 20 50 | 0 3 | 5 45 | 2 15 | 13 55 | 0 13 | 18 53 | 1 7 | 13 28 | 14 33 | 12 15 | 11 35 | 22 2 | | n.a. |
| W30 | 23n33 | 27n37 | 3n57 | 19n21 | 4s30 | 24n56 | 1n 5 | 14s16 | 3s32 | 20n53 | 0s 3 | 5s44 | 2n15 | 13s55 | 0n13 | 18s52 | 1n 7 | 13n27 | 14n33 | 12n12 | 11n34 | 22n 5 | | n.a. |

Julian Day Number = 1005319.5, Delta T = 12h46m21s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'18, Lahiri = -30°59'18 Julian Calendar 1 June 1961 BCE == Greg. Calendar 15 May 1961 BCE


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## JULY 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 30 40 | 21♊ 9'43 | 3♋57 | 24°R54 | 26♊37 | 28♎14 | 2♊ 1 | 19°R33 | 6°R58 | 27°R18 | 29♍32 | 1°R16 | 29♈35 | 26♉46 | n.a. | T 1 |
| F 2 | 17 34 36 | 22° 7'25 | 16° 8 | 24♊ 3 | 27°52 | 28°27 | 2°14 | 19♎32 | 6♏57 | 27♏17 | 29°33 | 1♉ 6 | 29°32 | 26°53 | n.a. | F 2 |
| S 3 | 17 38 33 | 23° 5'09 | 28°29 | 23°12 | 29° 6 | 28°42 | 2°27 | 19°32 | 6°55 | 27°15 | 29°33 | 0°57 | 29°29 | 27° 0 | n.a. | S 3 |
| S 4 | 17 42 29 | 24° 2'54 | 11♌ 0 | 22°23 | 0♋20 | 28°57 | 2°40 | 19°31 | 6°54 | 27°14 | 29°33 | 0°49 | 29°26 | 27° 6 | n.a. | S 4 |
| M 5 | 17 46 26 | 25° 0'41 | 23°44 | 21°34 | 1°35 | 29°13 | 2°53 | 19°30 | 6°52 | 27°12 | 29°33 | 0°43 | 29°23 | 27°13 | n.a. | M 5 |
| T 6 | 17 50 22 | 25°58'29 | 6♍42 | 20°49 | 2°49 | 29°29 | 3° 5 | 19°30 | 6°51 | 27°11 | 29°34 | 0°39 | 29°19 | 27°20 | n.a. | T 6 |
| W 7 | 17 54 19 | 26°56'18 | 19°57 | 20° 7 | 4° 3 | 29°46 | 3°18 | 19°29 | 6°50 | 27°10 | 29°34 | 0°37 | 29°16 | 27°26 | n.a. | W 7 |
| T 8 | 17 58 16 | 27°54'09 | 3♎31 | 19°30 | 5°18 | 0♏ 4 | 3°31 | 19°29 | 6°49 | 27° 8 | 29°34 | 0°D37 | 29°13 | 27°33 | n.a. | T 8 |
| F 9 | 18 2 12 | 28°52'01 | 17°26 | 18°59 | 6°32 | 0°23 | 3°44 | 19°29 | 6°47 | 27° 7 | 29°35 | 0°38 | 29°10 | 27°40 | n.a. | F 9 |
| S 10 | 18 6 9 | 29°49'55 | 1♏41 | 18°34 | 7°47 | 0°42 | 3°56 | 19°29 | 6°46 | 27° 6 | 29°35 | 0°R38 | 29° 7 | 27°46 | n.a. | S 10 |
| S 11 | 18 10 5 | 0♋47'50 | 16°16 | 18°15 | 9° 1 | 1° 1 | 4° 9 | 19°D29 | 6°45 | 27° 4 | 29°36 | 0°37 | 29° 4 | 27°53 | n.a. | S 11 |
| M12 | 18 14 2 | 1°45'47 | 1♐ 7 | 18° 4 | 10°16 | 1°21 | 4°22 | 19°29 | 6°44 | 27° 3 | 29°36 | 0°34 | 29° 0 | 28° 0 | n.a. | M12 |
| T 13 | 18 17 58 | 2°43'45 | 16° 8 | 18°D 1 | 11°30 | 1°42 | 4°34 | 19°29 | 6°43 | 27° 2 | 29°37 | 0°29 | 28°57 | 28° 6 | n.a. | T 13 |
| W14 | 18 21 55 | 3°41'45 | 1♑10 | 18° 5 | 12°44 | 2° 3 | 4°47 | 19°29 | 6°42 | 27° 1 | 29°37 | 0°21 | 28°54 | 28°13 | n.a. | W14 |
| T 15 | 18 25 52 | 4°39'47 | 16° 4 | 18°18 | 13°59 | 2°25 | 4°59 | 19°29 | 6°41 | 27° 0 | 29°38 | 0°11 | 28°51 | 28°20 | n.a. | T 15 |
| F 16 | 18 29 48 | 5°37'51 | 0♒40 | 18°39 | 15°13 | 2°47 | 5°11 | 19°30 | 6°40 | 26°58 | 29°38 | 0° 2 | 28°48 | 28°26 | n.a. | F 16 |
| S 17 | 18 33 45 | 6°35'57 | 14°53 | 19° 8 | 16°28 | 3°10 | 5°24 | 19°30 | 6°39 | 26°57 | 29°39 | 29♈52 | 28°45 | 28°33 | n.a. | S 17 |
| S 18 | 18 37 41 | 7°34'05 | 28°38 | 19°45 | 17°42 | 3°34 | 5°36 | 19°31 | 6°39 | 26°56 | 29°40 | 29°45 | 28°41 | 28°40 | n.a. | S 18 |
| M19 | 18 41 38 | 8°32'15 | 11♓54 | 20°30 | 18°57 | 3°57 | 5°48 | 19°32 | 6°38 | 26°55 | 29°41 | 29°40 | 28°38 | 28°46 | n.a. | M19 |
| T 20 | 18 45 34 | 9°30'27 | 24°44 | 21°23 | 20°11 | 4°22 | 6° 1 | 19°32 | 6°37 | 26°54 | 29°41 | 29°37 | 28°35 | 28°53 | n.a. | T 20 |
| W21 | 18 49 31 | 10°28'41 | 7♈11 | 22°23 | 21°26 | 4°46 | 6°13 | 19°33 | 6°37 | 26°53 | 29°42 | 29°D36 | 28°32 | 29° 0 | n.a. | W21 |
| T 22 | 18 53 27 | 11°26'57 | 19°20 | 23°30 | 22°40 | 5°12 | 6°25 | 19°34 | 6°36 | 26°52 | 29°43 | 29°36 | 28°29 | 29° 6 | n.a. | T 22 |
| F 23 | 18 57 24 | 12°25'16 | 1♉17 | 24°43 | 23°55 | 5°37 | 6°37 | 19°35 | 6°35 | 26°51 | 29°44 | 29°R36 | 28°25 | 29°13 | n.a. | F 23 |
| S 24 | 19 1 20 | 13°23'37 | 13° 6 | 26° 3 | 25° 9 | 6° 3 | 6°49 | 19°36 | 6°35 | 26°50 | 29°45 | 29°35 | 28°22 | 29°20 | n.a. | S 24 |
| S 25 | 19 5 17 | 14°22'00 | 24°54 | 27°27 | 26°24 | 6°30 | 7° 1 | 19°38 | 6°35 | 26°49 | 29°46 | 29°32 | 28°19 | 29°26 | n.a. | S 25 |
| M26 | 19 9 14 | 15°20'26 | 6♊43 | 28°57 | 27°39 | 6°57 | 7°12 | 19°39 | 6°34 | 26°48 | 29°47 | 29°27 | 28°16 | 29°33 | n.a. | M26 |
| T 27 | 19 13 10 | 16°18'54 | 18°38 | 0♋31 | 28°53 | 7°24 | 7°24 | 19°41 | 6°34 | 26°47 | 29°48 | 29°19 | 28°13 | 29°40 | n.a. | T 27 |
| W28 | 19 17 7 | 17°17'24 | 0♋42 | 2° 9 | 0♌ 8 | 7°52 | 7°36 | 19°42 | 6°33 | 26°46 | 29°49 | 29° 8 | 28°10 | 29°46 | n.a. | W28 |
| T 29 | 19 21 3 | 18°15'56 | 12°56 | 3°51 | 1°22 | 8°20 | 7°48 | 19°44 | 6°33 | 26°45 | 29°50 | 28°56 | 28° 6 | 29°53 | n.a. | T 29 |
| F 30 | 19 25 0 | 19°14'30 | 25°21 | 5°35 | 2°37 | 8°49 | 7°59 | 19°46 | 6°33 | 26°44 | 29°51 | 28°42 | 28° 3 | 29°59 | n.a. | F 30 |
| S 31 | 19 28 56 | 20♋13'07 | 7♌58 | 7♋21 | 3♌52 | 9♏18 | 8♊11 | 19♎47 | 6♏33 | 26♏43 | 29♍52 | 28♈29 | 28♈ 0 | 0♊ 6 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 23n37 | 28n24 | 4n32 | 19n18 | 4s31 | 24n59 | 1n 7 | 14s21 | 3s32 | 20n56 | 0s 3 | 5s44 | 2n14 | 13s54 | 0n13 | 18s52 | 1n 7 | 13n27 | 14n32 | 12n 9 | 11n33 | 22n 7 | | n.a. |
| F 2 | 23 41 | 27 49 | 4 56 | 19 16 | 4 31 | 25 3 | 1 8 | 14 26 | 3 33 | 20 59 | 0 3 | 5 44 | 2 14 | 13 54 | 0 13 | 18 52 | 1 7 | 13 26 | 14 31 | 12 6 | 11 32 | 22 9 | | n.a. |
| S 3 | 23 44 | 25 52 | 5 6 | 19 16 | 4 29 | 25 5 | 1 10 | 14 32 | 3 33 | 21 1 | 0 3 | 5 44 | 2 14 | 13 54 | 0 13 | 18 52 | 1 7 | 13 26 | 14 31 | 12 2 | 11 31 | 22 12 | | n.a. |
| S 4 | 23 47 | 22 38 | 5 1 | 19 17 | 4 25 | 25 6 | 1 11 | 14 38 | 3 33 | 21 4 | 0 3 | 5 44 | 2 13 | 13 53 | 0 13 | 18 51 | 1 7 | 13 25 | 14 30 | 11 59 | 11 30 | 22 14 | | n.a. |
| M 5 | 23 50 | 18 18 | 4 42 | 19 20 | 4 19 | 25 7 | 1 12 | 14 44 | 3 34 | 21 7 | 0 3 | 5 44 | 2 13 | 13 53 | 0 13 | 18 51 | 1 7 | 13 24 | 14 30 | 11 57 | 11 28 | 22 16 | | n.a. |
| T 6 | 23 52 | 13 3 | 4 8 | 19 25 | 4 11 | 25 7 | 1 14 | 14 50 | 3 34 | 21 9 | 0 2 | 5 44 | 2 13 | 13 52 | 0 13 | 18 51 | 1 7 | 13 24 | 14 29 | 11 56 | 11 27 | 22 19 | | n.a. |
| W 7 | 23 53 | 7 7 | 3 20 | 19 31 | 4 2 | 25 6 | 1 15 | 14 57 | 3 34 | 21 12 | 0 2 | 5 44 | 2 13 | 13 52 | 0 13 | 18 50 | 1 7 | 13 23 | 14 29 | 11 55 | 11 26 | 22 21 | | n.a. |
| T 8 | 23 54 | 0 42 | 2 20 | 19 39 | 3 51 | 25 5 | 1 16 | 15 3 | 3 34 | 21 15 | 0 2 | 5 44 | 2 12 | 13 51 | 0 13 | 18 50 | 1 7 | 13 22 | 14 28 | 11 55 | 11 25 | 22 23 | | n.a. |
| F 9 | 23 55 | 5s54 | 1 10 | 19 49 | 3 39 | 25 2 | 1 17 | 15 10 | 3 34 | 21 17 | 0 2 | 5 44 | 2 12 | 13 51 | 0 13 | 18 50 | 1 7 | 13 22 | 14 27 | 11 55 | 11 24 | 22 26 | | n.a. |
| S 10 | 23 55 | 12 23 | 0s 6 | 20 1 | 3 25 | 24 59 | 1 18 | 15 17 | 3 34 | 21 20 | 0 2 | 5 44 | 2 12 | 13 51 | 0 13 | 18 50 | 1 7 | 13 21 | 14 27 | 11 56 | 11 23 | 22 28 | | n.a. |
| S 11 | 23 55 | 18 21 | 1 23 | 20 13 | 3 11 | 24 56 | 1 19 | 15 24 | 3 34 | 21 22 | 0 2 | 5 45 | 2 12 | 13 50 | 0 13 | 18 49 | 1 7 | 13 20 | 14 26 | 11 55 | 11 22 | 22 30 | | n.a. |
| M12 | 23 55 | 23 19 | 2 35 | 20 28 | 2 55 | 24 51 | 1 20 | 15 31 | 3 34 | 21 25 | 0 2 | 5 45 | 2 11 | 13 50 | 0 13 | 18 49 | 1 7 | 13 20 | 14 26 | 11 54 | 11 20 | 22 33 | | n.a. |
| T 13 | 23 54 | 26 48 | 3 38 | 20 44 | 2 39 | 24 45 | 1 21 | 15 38 | 3 34 | 21 27 | 0 2 | 5 45 | 2 11 | 13 50 | 0 13 | 18 49 | 1 6 | 13 19 | 14 25 | 11 52 | 11 19 | 22 35 | | n.a. |
| W14 | 23 52 | 28 20 | 4 25 | 21 1 | 2 23 | 24 39 | 1 22 | 15 46 | 3 34 | 21 30 | 0 2 | 5 46 | 2 11 | 13 49 | 0 13 | 18 48 | 1 6 | 13 18 | 14 25 | 11 49 | 11 18 | 22 37 | | n.a. |
| T 15 | 23 50 | 27 48 | 4 54 | 21 19 | 2 6 | 24 32 | 1 23 | 15 53 | 3 34 | 21 32 | 0 2 | 5 46 | 2 11 | 13 49 | 0 13 | 18 48 | 1 6 | 13 17 | 14 24 | 11 46 | 11 17 | 22 39 | | n.a. |
| F 16 | 23 48 | 25 20 | 5 3 | 21 37 | 1 49 | 24 25 | 1 23 | 16 1 | 3 33 | 21 34 | 0 1 | 5 46 | 2 10 | 13 49 | 0 13 | 18 48 | 1 6 | 13 17 | 14 24 | 11 42 | 11 16 | 22 42 | | n.a. |
| S 17 | 23 45 | 21 21 | 4 53 | 21 57 | 1 32 | 24 16 | 1 24 | 16 9 | 3 33 | 21 37 | 0 1 | 5 47 | 2 10 | 13 49 | 0 13 | 18 48 | 1 6 | 13 16 | 14 23 | 11 39 | 11 15 | 22 44 | | n.a. |
| S 18 | 23 42 | 16 20 | 4 26 | 22 17 | 1 15 | 24 7 | 1 24 | 16 17 | 3 33 | 21 39 | 0 1 | 5 47 | 2 10 | 13 48 | 0 13 | 18 48 | 1 6 | 13 15 | 14 23 | 11 36 | 11 14 | 22 46 | | n.a. |
| M19 | 23 38 | 10 41 | 3 45 | 22 37 | 0 58 | 23 57 | 1 25 | 16 25 | 3 33 | 21 41 | 0 1 | 5 48 | 2 10 | 13 48 | 0 13 | 18 47 | 1 6 | 13 14 | 14 22 | 11 35 | 11 12 | 22 49 | | n.a. |
| T 20 | 23 34 | 4 47 | 2 54 | 22 56 | 0 42 | 23 47 | 1 25 | 16 33 | 3 32 | 21 44 | 0 1 | 5 48 | 2 9 | 13 48 | 0 13 | 18 47 | 1 6 | 13 14 | 14 21 | 11 33 | 11 11 | 22 51 | | n.a. |
| W21 | 23 30 | 1n 8 | 1 56 | 23 16 | 0 26 | 23 35 | 1 26 | 16 41 | 3 32 | 21 46 | 0 1 | 5 49 | 2 9 | 13 48 | 0 13 | 18 47 | 1 6 | 13 13 | 14 21 | 11 33 | 11 10 | 22 53 | | n.a. |
| T 22 | 23 25 | 6 53 | 0 54 | 23 34 | 0 11 | 23 23 | 1 26 | 16 50 | 3 32 | 21 48 | 0 1 | 5 49 | 2 9 | 13 47 | 0 13 | 18 47 | 1 6 | 13 12 | 14 20 | 11 33 | 11 9 | 22 55 | | n.a. |
| F 23 | 23 20 | 12 18 | 0n 9 | 23 52 | 0n 3 | 23 10 | 1 26 | 16 58 | 3 31 | 21 50 | 0 1 | 5 50 | 2 9 | 13 47 | 0 13 | 18 46 | 1 6 | 13 11 | 14 20 | 11 33 | 11 8 | 22 58 | | n.a. |
| S 24 | 23 14 | 17 13 | 1 11 | 24 8 | 0 16 | 22 57 | 1 26 | 17 7 | 3 31 | 21 53 | 0 1 | 5 51 | 2 8 | 13 47 | 0 13 | 18 46 | 1 6 | 13 10 | 14 19 | 11 33 | 11 7 | 23 0 | | n.a. |
| S 25 | 23 8 | 21 28 | 2 10 | 24 23 | 0 29 | 22 43 | 1 27 | 17 15 | 3 30 | 21 55 | 0 0 | 5 52 | 2 8 | 13 47 | 0 13 | 18 46 | 1 6 | 13 9 | 14 19 | 11 32 | 11 5 | 23 2 | | n.a. |
| M26 | 23 1 | 24 53 | 3 3 | 24 36 | 0 41 | 22 28 | 1 27 | 17 24 | 3 30 | 21 57 | 0 0 | 5 52 | 2 8 | 13 47 | 0 13 | 18 46 | 1 6 | 13 8 | 14 18 | 11 30 | 11 4 | 23 4 | | n.a. |
| T 27 | 22 54 | 27 13 | 3 49 | 24 47 | 0 51 | 22 12 | 1 27 | 17 33 | 3 29 | 21 59 | 0 0 | 5 53 | 2 8 | 13 47 | 0 13 | 18 46 | 1 6 | 13 8 | 14 18 | 11 27 | 11 3 | 23 7 | | n.a. |
| W28 | 22 47 | 28 20 | 4 25 | 24 55 | 1 1 | 21 56 | 1 26 | 17 41 | 3 29 | 22 1 | 0 0 | 5 54 | 2 7 | 13 47 | 0 13 | 18 46 | 1 6 | 13 7 | 14 17 | 11 23 | 11 2 | 23 9 | | n.a. |
| T 29 | 22 39 | 28 4 | 4 49 | 25 2 | 1 10 | 21 39 | 1 26 | 17 50 | 3 28 | 22 3 | 0n 0 | 5 55 | 2 7 | 13 47 | 0 13 | 18 45 | 1 6 | 13 6 | 14 17 | 11 19 | 11 1 | 23 11 | | n.a. |
| F 30 | 22 31 | 26 24 | 5 0 | 25 6 | 1 18 | 21 22 | 1 26 | 17 59 | 3 27 | 22 5 | 0 0 | 5 56 | 2 7 | 13 47 | 0 13 | 18 45 | 1 6 | 13 5 | 14 16 | 11 14 | 11 0 | 23 13 | | n.a. |
| S 31 | 22n22 | 23n24 | 4n56 | 25n 8 | 1n25 | 21n 4 | 1n26 | 18s 8 | 3s27 | 22n 7 | 0n 0 | 5s57 | 2n 6 | 13s47 | 0n13 | 18s45 | 1n 6 | 13n 4 | 14n16 | 11n 9 | 10n58 | 23n15 | | n.a. |

Julian Day Number = 1005349.5, Delta T = 12h46m19s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'14, Lahiri = -30°59'13 Julian Calendar 1 July 1961 BCE == Greg. Calendar 14 June 1961 BCE

The year -1960 astronomical counting style corresponds to year 1961 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## AUGUST 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 32 53 | 21♋11'45 | 20♌46 | 9♋ 9 | 5♌ 6 | 9♏47 | 8♊22 | 19♎49 | 6°R33 | 26°R43 | 29♍53 | 28°R17 | 27♈57 | 0♊13 | n.a. | S 1 |
| M 2 | 19 36 49 | 22°10'25 | 3♍45 | 10°59 | 6°21 | 10°17 | 8°33 | 19°51 | 6°D33 | 26♏42 | 29°54 | 28♈ 8 | 27°54 | 0°20 | n.a. | M 2 |
| T 3 | 19 40 46 | 23° 9'07 | 16°56 | 12°50 | 7°35 | 10°47 | 8°45 | 19°54 | 6♏33 | 26°41 | 29°56 | 28° 2 | 27°51 | 0°26 | n.a. | T 3 |
| W 4 | 19 44 43 | 24° 7'51 | 0♎19 | 14°42 | 8°50 | 11°17 | 8°56 | 19°56 | 6°33 | 26°41 | 29°57 | 27°58 | 27°47 | 0°33 | n.a. | W 4 |
| T 5 | 19 48 39 | 25° 6'37 | 13°54 | 16°34 | 10° 5 | 11°48 | 9° 7 | 19°58 | 6°33 | 26°40 | 29°58 | 27°56 | 27°44 | 0°40 | n.a. | T 5 |
| F 6 | 19 52 36 | 26° 5'25 | 27°44 | 18°26 | 11°19 | 12°19 | 9°18 | 20° 1 | 6°33 | 26°39 | 29°59 | 27°56 | 27°41 | 0°46 | n.a. | F 6 |
| S 7 | 19 56 32 | 27° 4'15 | 11♏47 | 20°18 | 12°34 | 12°51 | 9°29 | 20° 3 | 6°33 | 26°39 | 0♎ 1 | 27°56 | 27°38 | 0°53 | n.a. | S 7 |
| S 8 | 20 0 29 | 28° 3'06 | 26° 5 | 22°10 | 13°49 | 13°22 | 9°40 | 20° 6 | 6°34 | 26°38 | 0° 2 | 27°54 | 27°35 | 1° 0 | n.a. | S 8 |
| M 9 | 20 4 25 | 29° 2'00 | 10♐35 | 24° 2 | 15° 3 | 13°54 | 9°51 | 20° 8 | 6°34 | 26°37 | 0° 4 | 27°50 | 27°31 | 1° 6 | n.a. | M 9 |
| T 10 | 20 8 22 | 0♑ 0'55 | 25°13 | 25°53 | 16°18 | 14°27 | 10° 1 | 20°11 | 6°34 | 26°37 | 0° 5 | 27°44 | 27°28 | 1°13 | n.a. | T 10 |
| W11 | 20 12 18 | 0°59'53 | 9♉54 | 27°44 | 17°32 | 14°59 | 10°12 | 20°14 | 6°35 | 26°36 | 0° 6 | 27°34 | 27°25 | 1°20 | n.a. | W11 |
| T 12 | 20 16 15 | 1°58'52 | 24°30 | 29°34 | 18°47 | 15°32 | 10°22 | 20°17 | 6°35 | 26°36 | 0° 8 | 27°23 | 27°22 | 1°26 | n.a. | T 12 |
| F 13 | 20 20 11 | 2°57'54 | 8♒53 | 1♑23 | 20° 2 | 16° 5 | 10°33 | 20°20 | 6°36 | 26°36 | 0° 9 | 27°11 | 27°19 | 1°33 | n.a. | F 13 |
| S 14 | 20 24 8 | 3°56'58 | 22°57 | 3°12 | 21°16 | 16°39 | 10°43 | 20°23 | 6°36 | 26°35 | 0°11 | 27° 0 | 27°16 | 1°40 | n.a. | S 14 |
| S 15 | 20 28 5 | 4°56'04 | 6♓38 | 4°59 | 22°31 | 17°12 | 10°53 | 20°26 | 6°37 | 26°35 | 0°13 | 26°50 | 27°12 | 1°46 | n.a. | S 15 |
| M16 | 20 32 1 | 5°55'13 | 19°54 | 6°46 | 23°45 | 17°46 | 11° 4 | 20°30 | 6°38 | 26°35 | 0°14 | 26°43 | 27° 9 | 1°53 | n.a. | M16 |
| T 17 | 20 35 58 | 6°54'24 | 2♈45 | 8°32 | 25° 0 | 18°21 | 11°14 | 20°33 | 6°38 | 26°34 | 0°16 | 26°39 | 27° 6 | 2° 0 | n.a. | T 17 |
| W18 | 20 39 54 | 7°53'37 | 15°14 | 10°18 | 26°15 | 18°55 | 11°24 | 20°36 | 6°39 | 26°34 | 0°17 | 26°37 | 27° 3 | 2° 6 | n.a. | W18 |
| T 19 | 20 43 51 | 8°52'53 | 27°24 | 12° 2 | 27°29 | 19°30 | 11°33 | 20°40 | 6°40 | 26°34 | 0°19 | 26°D36 | 27° 0 | 2°13 | n.a. | T 19 |
| F 20 | 20 47 47 | 9°52'11 | 9♉22 | 13°46 | 28°44 | 20° 4 | 11°43 | 20°43 | 6°41 | 26°34 | 0°21 | 26°R36 | 26°57 | 2°20 | n.a. | F 20 |
| S 21 | 20 51 44 | 10°51'32 | 21°13 | 15°28 | 29°58 | 20°40 | 11°53 | 20°47 | 6°42 | 26°33 | 0°23 | 26°36 | 26°53 | 2°26 | n.a. | S 21 |
| S 22 | 20 55 40 | 11°50'56 | 3♊ 2 | 17°10 | 1♍13 | 21°15 | 12° 2 | 20°51 | 6°43 | 26°33 | 0°24 | 26°34 | 26°50 | 2°33 | n.a. | S 22 |
| M23 | 20 59 37 | 12°50'22 | 14°53 | 18°51 | 2°28 | 21°50 | 12°12 | 20°55 | 6°44 | 26°33 | 0°26 | 26°30 | 26°47 | 2°40 | n.a. | M23 |
| T 24 | 21 3 33 | 13°49'50 | 26°53 | 20°32 | 3°42 | 22°26 | 12°21 | 20°59 | 6°45 | 26°33 | 0°28 | 26°23 | 26°44 | 2°46 | n.a. | T 24 |
| W25 | 21 7 30 | 14°49'21 | 9♋ 4 | 22°11 | 4°57 | 23° 2 | 12°30 | 21° 3 | 6°46 | 26°D33 | 0°30 | 26°13 | 26°41 | 2°53 | n.a. | W25 |
| T 26 | 21 11 27 | 15°48'54 | 21°28 | 23°50 | 6°11 | 23°38 | 12°39 | 21° 7 | 6°47 | 26°33 | 0°32 | 26° 2 | 26°37 | 3° 0 | n.a. | T 26 |
| F 27 | 21 15 23 | 16°48'29 | 4♌ 8 | 25°28 | 7°26 | 24°15 | 12°48 | 21°11 | 6°48 | 26°33 | 0°33 | 25°49 | 26°34 | 3° 6 | n.a. | F 27 |
| S 28 | 21 19 20 | 17°48'07 | 17° 3 | 27° 5 | 8°41 | 24°51 | 12°57 | 21°15 | 6°50 | 26°33 | 0°35 | 25°37 | 26°31 | 3°13 | n.a. | S 28 |
| S 29 | 21 23 16 | 18°47'47 | 0♍12 | 28°42 | 9°55 | 25°28 | 13° 6 | 21°20 | 6°51 | 26°33 | 0°37 | 25°26 | 26°28 | 3°20 | n.a. | S 29 |
| M30 | 21 27 13 | 19°47'29 | 13°34 | 0♍17 | 11°10 | 26° 5 | 13°15 | 21°24 | 6°52 | 26°33 | 0°39 | 25°18 | 26°25 | 3°26 | n.a. | M30 |
| T 31 | 21 31 9 | 20♌47'13 | 27♍ 7 | 1♍53 | 12♍24 | 26♏42 | 13♊23 | 21♎28 | 6♏54 | 26♏34 | 0♎41 | 25♈12 | 26♈22 | 3♊33 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat | |
| S 1 | 22n13 | 19n14 | 4n38 | 25n 7 | 1n31 | 20n45 | 1n25 | 18s17 | 3s26 | 22n 9 | 0n 0 | 5s58 | 2n 6 | 13s47 | 0n13 | 18s45 | 1n 6 | 13n 3 | 14n15 | 11n 5 | 10n57 | 23n18 | | | n.a. | S 1 |
| M 2 | 22 3 | 14 7 | 4 5 | 25 3 | 1 36 | 20 26 | 1 25 | 18 26 | 3 25 | 22 11 | 0 1 | 5 59 | 2 6 | 13 47 | 0 13 | 18 45 | 1 6 | 13 2 | 14 15 | 11 1 | 10 56 | 23 20 | | | n.a. | M 2 |
| T 3 | 21 53 | 8 18 | 3 18 | 24 57 | 1 40 | 20 6 | 1 25 | 18 35 | 3 25 | 22 13 | 0 1 | 6 0 | 2 6 | 13 47 | 0 13 | 18 45 | 1 6 | 13 1 | 14 14 | 10 59 | 10 55 | 23 22 | | | n.a. | T 3 |
| W 4 | 21 43 | 2 1 | 2 20 | 24 49 | 1 44 | 19 46 | 1 24 | 18 45 | 3 24 | 22 15 | 0 1 | 6 1 | 2 5 | 13 47 | 0 12 | 18 45 | 1 6 | 13 0 | 14 14 | 10 58 | 10 54 | 23 24 | | | n.a. | W 4 |
| T 5 | 21 32 | 4s28 | 1 13 | 24 38 | 1 46 | 19 25 | 1 23 | 18 54 | 3 23 | 22 17 | 0 1 | 6 2 | 2 5 | 13 47 | 0 12 | 18 44 | 1 6 | 12 59 | 14 13 | 10 57 | 10 53 | 23 26 | | | n.a. | T 5 |
| F 6 | 21 21 | 10 51 | 0 1 | 24 25 | 1 48 | 19 3 | 1 23 | 19 3 | 3 22 | 22 18 | 0 1 | 6 3 | 2 5 | 13 47 | 0 12 | 18 44 | 1 6 | 12 58 | 14 13 | 10 57 | 10 52 | 23 28 | | | n.a. | F 6 |
| S 7 | 21 10 | 16 49 | 1s13 | 24 9 | 1 50 | 18 41 | 1 22 | 19 12 | 3 22 | 22 20 | 0 1 | 6 4 | 2 5 | 13 47 | 0 12 | 18 44 | 1 5 | 12 57 | 14 12 | 10 57 | 10 50 | 23 31 | | | n.a. | S 7 |
| S 8 | 20 58 | 21 58 | 2 23 | 23 52 | 1 50 | 18 18 | 1 21 | 19 21 | 3 21 | 22 22 | 0 1 | 6 6 | 2 4 | 13 47 | 0 12 | 18 44 | 1 5 | 12 56 | 14 12 | 10 56 | 10 49 | 23 33 | | | n.a. | S 8 |
| M 9 | 20 46 | 25 52 | 3 25 | 23 32 | 1 50 | 17 55 | 1 20 | 19 30 | 3 20 | 22 24 | 0 1 | 6 7 | 2 4 | 13 47 | 0 12 | 18 44 | 1 5 | 12 55 | 14 11 | 10 55 | 10 48 | 23 35 | | | n.a. | M 9 |
| T 10 | 20 33 | 28 4 | 4 14 | 23 11 | 1 49 | 17 32 | 1 19 | 19 40 | 3 19 | 22 26 | 0 1 | 6 8 | 2 4 | 13 47 | 0 12 | 18 44 | 1 5 | 12 54 | 14 11 | 10 52 | 10 47 | 23 37 | | | n.a. | T 10 |
| W11 | 20 20 | 28 18 | 4 46 | 22 48 | 1 48 | 17 8 | 1 18 | 19 49 | 3 18 | 22 27 | 0 2 | 6 9 | 2 4 | 13 47 | 0 12 | 18 44 | 1 5 | 12 53 | 14 10 | 10 49 | 10 46 | 23 39 | | | n.a. | W11 |
| T 12 | 20 7 | 26 34 | 5 0 | 22 23 | 1 46 | 16 43 | 1 17 | 19 58 | 3 18 | 22 29 | 0 2 | 6 11 | 2 3 | 13 48 | 0 12 | 18 44 | 1 5 | 12 52 | 14 10 | 10 45 | 10 45 | 23 41 | | | n.a. | T 12 |
| F 13 | 19 53 | 23 7 | 4 54 | 21 56 | 1 44 | 16 18 | 1 16 | 20 7 | 3 17 | 22 31 | 0 2 | 6 12 | 2 3 | 13 48 | 0 12 | 18 44 | 1 5 | 12 51 | 14 9 | 10 41 | 10 43 | 23 43 | | | n.a. | F 13 |
| S 14 | 19 39 | 18 23 | 4 30 | 21 29 | 1 41 | 15 52 | 1 15 | 20 16 | 3 16 | 22 32 | 0 2 | 6 14 | 2 3 | 13 48 | 0 12 | 18 44 | 1 5 | 12 50 | 14 9 | 10 36 | 10 42 | 23 46 | | | n.a. | S 14 |
| S 15 | 19 25 | 12 49 | 3 52 | 20 59 | 1 38 | 15 27 | 1 14 | 20 25 | 3 15 | 22 34 | 0 2 | 6 15 | 2 3 | 13 48 | 0 12 | 18 44 | 1 5 | 12 49 | 14 8 | 10 33 | 10 41 | 23 48 | | | n.a. | S 15 |
| M16 | 19 10 | 6 51 | 3 1 | 20 29 | 1 35 | 15 0 | 1 12 | 20 34 | 3 14 | 22 35 | 0 2 | 6 16 | 2 3 | 13 48 | 0 12 | 18 44 | 1 5 | 12 48 | 14 8 | 10 30 | 10 40 | 23 50 | | | n.a. | M16 |
| T 17 | 18 55 | 0 45 | 2 3 | 19 57 | 1 31 | 14 33 | 1 11 | 20 43 | 3 13 | 22 37 | 0 2 | 6 18 | 2 2 | 13 49 | 0 12 | 18 44 | 1 5 | 12 47 | 14 7 | 10 29 | 10 39 | 23 52 | | | n.a. | T 17 |
| W18 | 18 40 | 5n12 | 1 0 | 19 24 | 1 27 | 14 6 | 1 9 | 20 52 | 3 12 | 22 38 | 0 2 | 6 19 | 2 2 | 13 49 | 0 12 | 18 44 | 1 5 | 12 46 | 14 7 | 10 28 | 10 38 | 23 54 | | | n.a. | W18 |
| T 19 | 18 24 | 10 49 | 0n 4 | 18 50 | 1 22 | 13 39 | 1 8 | 21 1 | 3 11 | 22 40 | 0 3 | 6 21 | 2 2 | 13 49 | 0 12 | 18 44 | 1 5 | 12 45 | 14 7 | 10 28 | 10 36 | 23 56 | | | n.a. | T 19 |
| F 20 | 18 8 | 15 58 | 1 7 | 18 16 | 1 17 | 13 11 | 1 6 | 21 10 | 3 10 | 22 41 | 0 3 | 6 23 | 2 2 | 13 50 | 0 12 | 18 44 | 1 5 | 12 44 | 14 6 | 10 28 | 10 35 | 23 58 | | | n.a. | F 20 |
| S 21 | 17 52 | 20 28 | 2 7 | 17 40 | 1 12 | 12 43 | 1 5 | 21 19 | 3 9 | 22 43 | 0 3 | 6 24 | 2 1 | 13 50 | 0 12 | 18 44 | 1 5 | 12 43 | 14 6 | 10 28 | 10 34 | 24 0 | | | n.a. | S 21 |
| S 22 | 17 35 | 24 8 | 3 0 | 17 4 | 1 7 | 12 14 | 1 3 | 21 27 | 3 8 | 22 44 | 0 3 | 6 26 | 2 1 | 13 50 | 0 12 | 18 44 | 1 5 | 12 42 | 14 5 | 10 27 | 10 33 | 24 2 | | | n.a. | S 22 |
| M23 | 17 18 | 26 48 | 3 47 | 16 27 | 1 2 | 11 45 | 1 1 | 21 36 | 3 7 | 22 46 | 0 3 | 6 28 | 2 1 | 13 51 | 0 12 | 18 44 | 1 5 | 12 40 | 14 5 | 10 25 | 10 32 | 24 4 | | | n.a. | M23 |
| T 24 | 17 1 | 28 16 | 4 23 | 15 49 | 0 56 | 11 16 | 0 59 | 21 45 | 3 6 | 22 47 | 0 3 | 6 29 | 2 1 | 13 51 | 0 12 | 18 44 | 1 5 | 12 39 | 14 4 | 10 23 | 10 31 | 24 6 | | | n.a. | T 24 |
| W25 | 16 43 | 28 24 | 4 49 | 15 11 | 0 50 | 10 47 | 0 58 | 21 53 | 3 5 | 22 48 | 0 3 | 6 31 | 2 0 | 13 51 | 0 12 | 18 44 | 1 5 | 12 38 | 14 4 | 10 19 | 10 29 | 24 8 | | | n.a. | W25 |
| T 26 | 16 25 | 27 7 | 5 1 | 14 32 | 0 44 | 10 17 | 0 56 | 22 2 | 3 4 | 22 50 | 0 3 | 6 33 | 2 0 | 13 52 | 0 12 | 18 44 | 1 5 | 12 37 | 14 4 | 10 15 | 10 28 | 24 10 | | | n.a. | T 26 |
| F 27 | 16 7 | 24 26 | 4 59 | 13 53 | 0 38 | 9 47 | 0 54 | 22 10 | 3 3 | 22 51 | 0 4 | 6 35 | 2 0 | 13 52 | 0 12 | 18 44 | 1 5 | 12 36 | 14 3 | 10 10 | 10 27 | 24 13 | | | n.a. | F 27 |
| S 28 | 15 48 | 20 30 | 4 41 | 13 13 | 0 32 | 9 17 | 0 52 | 22 18 | 3 2 | 22 52 | 0 4 | 6 36 | 2 0 | 13 53 | 0 12 | 18 44 | 1 4 | 12 35 | 14 3 | 10 6 | 10 26 | 24 15 | | | n.a. | S 28 |
| S 29 | 15 30 | 15 29 | 4 9 | 12 33 | 0 25 | 8 46 | 0 50 | 22 26 | 3 1 | 22 54 | 0 4 | 6 38 | 2 0 | 13 53 | 0 12 | 18 44 | 1 4 | 12 34 | 14 3 | 10 2 | 10 25 | 24 17 | | | n.a. | S 29 |
| M30 | 15 11 | 9 41 | 3 22 | 11 53 | 0 19 | 8 15 | 0 48 | 22 34 | 3 0 | 22 55 | 0 4 | 6 40 | 1 59 | 13 54 | 0 12 | 18 44 | 1 4 | 12 33 | 14 2 | 9 59 | 10 24 | 24 19 | | | n.a. | M30 |
| T 31 | 14n51 | 3n21 | 2n23 | 11n13 | 0n12 | 7n44 | 0n46 | 22s42 | 2s59 | 22n56 | 0n 4 | 6s42 | 1n59 | 13s54 | 0n12 | 18s44 | 1n 4 | 12n32 | 14n 2 | 9n56 | 10n22 | 24n21 | | | n.a. | T 31 |

Julian Day Number = 1005380.5, Delta T = 12h46m17s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'10, Lahiri = -30°59'09 Julian Calendar 1 Aug. 1961 BCE == Greg. Calendar 15 July 1961 BCE

The year -1960 astronomical counting style corresponds to year 1961 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## SEPTEMBER 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 35 6 | 21♌46'59 | 10♎49 | 3♍27 | 13♍39 | 27♏19 | 13♊31 | 21♎33 | 6♏55 | 26♏34 | 0♎43 | 25°R 8 | 26♈18 | 3♊40 | n.a. | W 1 |
| T 2 | 21 39 2 | 22°46'47 | 24°38 | 5° 1 | 14°53 | 27°57 | 13°40 | 21°38 | 6°57 | 26°34 | 0°45 | 25°D 8 | 26°15 | 3°46 | n.a. | T 2 |
| F 3 | 21 42 59 | 23°46'36 | 8♏34 | 6°34 | 16° 8 | 28°34 | 13°48 | 21°42 | 6°58 | 26°34 | 0°47 | 25♈ 8 | 26°12 | 3°53 | n.a. | F 3 |
| S 4 | 21 46 55 | 24°46'28 | 22°37 | 8° 7 | 17°22 | 29°12 | 13°56 | 21°47 | 7° 0 | 26°35 | 0°49 | 25°R 9 | 26° 9 | 4° 0 | n.a. | S 4 |
| S 5 | 21 50 52 | 25°46'22 | 6♐45 | 9°38 | 18°37 | 29°50 | 14° 4 | 21°52 | 7° 2 | 26°35 | 0°51 | 25° 8 | 26° 6 | 4° 7 | n.a. | S 5 |
| M 6 | 21 54 49 | 26°46'17 | 20°58 | 11°10 | 19°51 | 0♐28 | 14°11 | 21°57 | 7° 3 | 26°35 | 0°53 | 25° 6 | 26° 3 | 4°13 | n.a. | M 6 |
| T 7 | 21 58 45 | 27°46'14 | 5♑12 | 12°40 | 21° 6 | 1° 6 | 14°19 | 22° 2 | 7° 5 | 26°36 | 0°55 | 25° 1 | 25°59 | 4°20 | n.a. | T 7 |
| W 8 | 22 2 42 | 28°46'14 | 19°26 | 14°10 | 22°20 | 1°45 | 14°26 | 22° 7 | 7° 7 | 26°36 | 0°57 | 24°54 | 25°56 | 4°27 | n.a. | W 8 |
| T 9 | 22 6 38 | 29°46'15 | 3♒35 | 15°40 | 23°35 | 2°23 | 14°33 | 22°12 | 7° 9 | 26°37 | 1° 0 | 24°45 | 25°53 | 4°33 | n.a. | T 9 |
| F 10 | 22 10 35 | 0♍46'17 | 17°33 | 17° 8 | 24°49 | 3° 2 | 14°41 | 22°17 | 7°11 | 26°37 | 1° 2 | 24°36 | 25°50 | 4°40 | n.a. | F 10 |
| S 11 | 22 14 31 | 1°46'22 | 1♓17 | 18°37 | 26° 4 | 3°41 | 14°48 | 22°22 | 7°13 | 26°38 | 1° 4 | 24°27 | 25°47 | 4°47 | n.a. | S 11 |
| S 12 | 22 18 28 | 2°46'29 | 14°43 | 20° 4 | 27°18 | 4°20 | 14°54 | 22°27 | 7°15 | 26°38 | 1° 6 | 24°19 | 25°43 | 4°53 | n.a. | S 12 |
| M13 | 22 22 24 | 3°46'38 | 27°48 | 21°31 | 28°32 | 4°59 | 15° 1 | 22°33 | 7°17 | 26°39 | 1° 8 | 24°14 | 25°40 | 5° 0 | n.a. | M13 |
| T 14 | 22 26 21 | 4°46'49 | 10♈34 | 22°57 | 29°47 | 5°38 | 15° 8 | 22°38 | 7°19 | 26°40 | 1°10 | 24°11 | 25°37 | 5° 7 | n.a. | T 14 |
| W15 | 22 30 17 | 5°47'02 | 23° 1 | 24°22 | 1♎ 1 | 6°17 | 15°14 | 22°44 | 7°21 | 26°40 | 1°13 | 24°D 9 | 25°34 | 5°13 | n.a. | W15 |
| T 16 | 22 34 14 | 6°47'17 | 5♉12 | 25°47 | 2°16 | 6°56 | 15°20 | 22°49 | 7°23 | 26°41 | 1°15 | 24°10 | 25°31 | 5°20 | n.a. | T 16 |
| F 17 | 22 38 11 | 7°47'34 | 17°11 | 27°11 | 3°30 | 7°36 | 15°26 | 22°55 | 7°25 | 26°42 | 1°17 | 24°11 | 25°28 | 5°27 | n.a. | F 17 |
| S 18 | 22 42 7 | 8°47'54 | 29° 2 | 28°34 | 4°44 | 8°15 | 15°32 | 23° 0 | 7°27 | 26°42 | 1°19 | 24°13 | 25°24 | 5°33 | n.a. | S 18 |
| S 19 | 22 46 4 | 9°48'16 | 10♊52 | 29°56 | 5°59 | 8°55 | 15°38 | 23° 6 | 7°30 | 26°43 | 1°22 | 24°R13 | 25°21 | 5°40 | n.a. | S 19 |
| M20 | 22 50 0 | 10°48'40 | 22°44 | 1♎17 | 7°13 | 9°35 | 15°44 | 23°12 | 7°32 | 26°44 | 1°24 | 24°12 | 25°18 | 5°47 | n.a. | M20 |
| T 21 | 22 53 57 | 11°49'07 | 4♋45 | 2°37 | 8°27 | 10°15 | 15°49 | 23°17 | 7°34 | 26°45 | 1°26 | 24°10 | 25°15 | 5°53 | n.a. | T 21 |
| W22 | 22 57 53 | 12°49'35 | 16°59 | 3°56 | 9°41 | 10°55 | 15°55 | 23°23 | 7°37 | 26°46 | 1°29 | 24° 5 | 25°12 | 6° 0 | n.a. | W22 |
| T 23 | 23 1 50 | 13°50'05 | 29°29 | 5°14 | 10°56 | 11°35 | 16° 0 | 23°29 | 7°39 | 26°47 | 1°31 | 23°59 | 25° 9 | 6° 7 | n.a. | T 23 |
| F 24 | 23 5 46 | 14°50'38 | 12♌17 | 6°30 | 12°10 | 12°15 | 16° 5 | 23°35 | 7°42 | 26°48 | 1°33 | 23°52 | 25° 5 | 6°13 | n.a. | F 24 |
| S 25 | 23 9 43 | 15°51'12 | 25°26 | 7°45 | 13°24 | 12°55 | 16°10 | 23°41 | 7°44 | 26°49 | 1°36 | 23°45 | 25° 2 | 6°20 | n.a. | S 25 |
| S 26 | 23 13 40 | 16°51'48 | 8♍54 | 8°58 | 14°39 | 13°35 | 16°14 | 23°47 | 7°47 | 26°50 | 1°38 | 23°39 | 24°59 | 6°27 | n.a. | S 26 |
| M27 | 23 17 36 | 17°52'26 | 22°39 | 10° 9 | 15°53 | 14°16 | 16°19 | 23°53 | 7°49 | 26°51 | 1°40 | 23°34 | 24°56 | 6°33 | n.a. | M27 |
| T 28 | 23 21 33 | 18°53'05 | 6♎38 | 11°18 | 17° 7 | 14°56 | 16°23 | 23°59 | 7°52 | 26°52 | 1°43 | 23°31 | 24°53 | 6°40 | n.a. | T 28 |
| W29 | 23 25 29 | 19°53'47 | 20°47 | 12°24 | 18°21 | 15°37 | 16°27 | 24° 5 | 7°55 | 26°53 | 1°45 | 23°D30 | 24°49 | 6°47 | n.a. | W29 |
| T 30 | 23 29 26 | 20♍54'29 | 5♏ 2 | 13♎28 | 19♎35 | 16♐18 | 16♊31 | 24♎12 | 7♏57 | 26♏54 | 1♎47 | 23♈30 | 24♈46 | 6♊53 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14n32 | 3s12 | 1n16 | 10n32 | 0n 6 | 7n13 | 0n43 | 22s50 | 2s58 | 22n57 | 0n 4 | 6s44 | 1n59 | 13s55 | 0n12 | 18s44 | 1n 4 | 12n30 | 14n 1 | 9n55 | 10n21 | 24n23 | | n.a. |
| T 2 | 14 12 | 9 41 | 0 3 | 9 51 | 0s 1 | 6 42 | 0 41 | 22 58 | 2 57 | 22 58 | 0 4 | 6 46 | 1 59 | 13 55 | 0 12 | 18 44 | 1 4 | 12 29 | 14 1 | 9 55 | 10 20 | 24 25 | | n.a. |
| F 3 | 13 52 | 15 46 | 1s11 | 9 9 | 0 8 | 6 10 | 0 39 | 23 6 | 2 56 | 22 59 | 0 5 | 6 48 | 1 59 | 13 56 | 0 12 | 18 44 | 1 4 | 12 28 | 14 1 | 9 55 | 10 19 | 24 27 | | n.a. |
| S 4 | 13 32 | 21 4 | 2 21 | 8 28 | 0 15 | 5 39 | 0 37 | 23 13 | 2 55 | 23 1 | 0 5 | 6 50 | 1 58 | 13 56 | 0 12 | 18 45 | 1 4 | 12 27 | 14 0 | 9 55 | 10 18 | 24 29 | | n.a. |
| S 5 | 13 11 | 25 13 | 3 23 | 7 47 | 0 22 | 5 7 | 0 34 | 23 21 | 2 53 | 23 2 | 0 5 | 6 52 | 1 58 | 13 57 | 0 12 | 18 45 | 1 4 | 12 26 | 14 0 | 9 55 | 10 16 | 24 31 | | n.a. |
| M 6 | 12 50 | 27 49 | 4 13 | 7 5 | 0 29 | 4 35 | 0 32 | 23 28 | 2 52 | 23 3 | 0 5 | 6 54 | 1 58 | 13 57 | 0 12 | 18 45 | 1 4 | 12 25 | 14 0 | 9 54 | 10 15 | 24 33 | | n.a. |
| T 7 | 12 29 | 28 36 | 4 47 | 6 24 | 0 35 | 4 3 | 0 29 | 23 35 | 2 51 | 23 4 | 0 5 | 6 56 | 1 58 | 13 58 | 0 12 | 18 45 | 1 4 | 12 24 | 13 59 | 9 52 | 10 14 | 24 35 | | n.a. |
| W 8 | 12 8 | 27 29 | 5 4 | 5 42 | 0 42 | 3 31 | 0 27 | 23 42 | 2 50 | 23 5 | 0 5 | 6 58 | 1 58 | 13 59 | 0 12 | 18 45 | 1 4 | 12 23 | 13 59 | 9 50 | 10 13 | 24 37 | | n.a. |
| T 9 | 11 47 | 24 37 | 5 2 | 5 1 | 0 49 | 2 58 | 0 24 | 23 49 | 2 49 | 23 6 | 0 5 | 7 0 | 1 57 | 13 59 | 0 12 | 18 45 | 1 4 | 12 21 | 13 59 | 9 46 | 10 12 | 24 38 | | n.a. |
| F 10 | 11 25 | 20 20 | 4 41 | 4 19 | 0 56 | 2 26 | 0 22 | 23 56 | 2 48 | 23 7 | 0 5 | 7 2 | 1 57 | 14 0 | 0 12 | 18 45 | 1 4 | 12 20 | 13 58 | 9 43 | 10 11 | 24 40 | | n.a. |
| S 11 | 11 3 | 15 2 | 4 5 | 3 38 | 1 3 | 1 53 | 0 19 | 24 2 | 2 47 | 23 8 | 0 6 | 7 4 | 1 57 | 14 1 | 0 12 | 18 46 | 1 4 | 12 19 | 13 58 | 9 40 | 10 9 | 24 42 | | n.a. |
| S 12 | 10 41 | 9 8 | 3 16 | 2 57 | 1 9 | 1 21 | 0 17 | 24 9 | 2 45 | 23 9 | 0 6 | 7 7 | 1 57 | 14 1 | 0 12 | 18 46 | 1 4 | 12 18 | 13 58 | 9 37 | 10 8 | 24 44 | | n.a. |
| M13 | 10 19 | 2 59 | 2 17 | 2 16 | 1 16 | 0 48 | 0 14 | 24 15 | 2 44 | 23 10 | 0 6 | 7 9 | 1 57 | 14 2 | 0 12 | 18 46 | 1 4 | 12 17 | 13 58 | 9 35 | 10 7 | 24 46 | | n.a. |
| T 14 | 9 57 | 3n 9 | 1 13 | 1 36 | 1 23 | 0 16 | 0 12 | 24 21 | 2 43 | 23 10 | 0 6 | 7 11 | 1 56 | 14 3 | 0 12 | 18 46 | 1 4 | 12 16 | 13 57 | 9 34 | 10 6 | 24 48 | | n.a. |
| W15 | 9 34 | 9 2 | 0 6 | 0 55 | 1 29 | 0s17 | 0 9 | 24 27 | 2 42 | 23 11 | 0 6 | 7 13 | 1 56 | 14 3 | 0 12 | 18 46 | 1 4 | 12 15 | 13 57 | 9 33 | 10 5 | 24 50 | | n.a. |
| T 16 | 9 12 | 14 27 | 0n59 | 0 15 | 1 35 | 0 49 | 0 6 | 24 33 | 2 41 | 23 12 | 0 6 | 7 15 | 1 56 | 14 4 | 0 12 | 18 47 | 1 4 | 12 13 | 13 57 | 9 33 | 10 4 | 24 52 | | n.a. |
| F 17 | 8 49 | 19 14 | 2 1 | 0s24 | 1 42 | 1 22 | 0 3 | 24 38 | 2 40 | 23 13 | 0 6 | 7 18 | 1 56 | 14 5 | 0 12 | 18 47 | 1 4 | 12 12 | 13 57 | 9 34 | 10 2 | 24 54 | | n.a. |
| S 18 | 8 26 | 23 14 | 2 57 | 1 4 | 1 48 | 1 54 | 0 1 | 24 44 | 2 38 | 23 14 | 0 7 | 7 20 | 1 56 | 14 6 | 0 12 | 18 47 | 1 3 | 12 11 | 13 56 | 9 34 | 10 1 | 24 56 | | n.a. |
| S 19 | 8 3 | 26 15 | 3 46 | 1 42 | 1 54 | 2 27 | 0s 2 | 24 49 | 2 37 | 23 15 | 0 7 | 7 22 | 1 56 | 14 6 | 0 12 | 18 47 | 1 3 | 12 10 | 13 56 | 9 35 | 10 0 | 24 58 | | n.a. |
| M20 | 7 40 | 28 7 | 4 25 | 2 20 | 1 59 | 2 59 | 0 5 | 24 54 | 2 36 | 23 15 | 0 7 | 7 24 | 1 55 | 14 7 | 0 12 | 18 48 | 1 3 | 12 9 | 13 56 | 9 34 | 9 59 | 25 0 | | n.a. |
| T 21 | 7 16 | 28 42 | 4 52 | 2 58 | 2 5 | 3 32 | 0 8 | 24 59 | 2 35 | 23 16 | 0 7 | 7 27 | 1 55 | 14 8 | 0 12 | 18 48 | 1 3 | 12 8 | 13 56 | 9 33 | 9 58 | 25 1 | | n.a. |
| W22 | 6 53 | 27 54 | 5 7 | 3 35 | 2 10 | 4 4 | 0 10 | 25 4 | 2 34 | 23 17 | 0 7 | 7 29 | 1 55 | 14 9 | 0 12 | 18 48 | 1 3 | 12 7 | 13 55 | 9 31 | 9 56 | 25 3 | | n.a. |
| T 23 | 6 29 | 25 41 | 5 8 | 4 11 | 2 15 | 4 37 | 0 13 | 25 8 | 2 32 | 23 17 | 0 7 | 7 31 | 1 55 | 14 10 | 0 12 | 18 48 | 1 3 | 12 6 | 13 55 | 9 29 | 9 55 | 25 5 | | n.a. |
| F 24 | 6 5 | 22 9 | 4 54 | 4 46 | 2 20 | 5 9 | 0 16 | 25 13 | 2 31 | 23 18 | 0 8 | 7 34 | 1 55 | 14 11 | 0 12 | 18 49 | 1 3 | 12 4 | 13 55 | 9 27 | 9 54 | 25 7 | | n.a. |
| S 25 | 5 41 | 17 26 | 4 24 | 5 20 | 2 24 | 5 41 | 0 19 | 25 17 | 2 30 | 23 19 | 0 8 | 7 36 | 1 55 | 14 11 | 0 11 | 18 49 | 1 3 | 12 3 | 13 55 | 9 24 | 9 53 | 25 9 | | n.a. |
| S 26 | 5 17 | 11 46 | 3 39 | 5 53 | 2 28 | 6 13 | 0 22 | 25 21 | 2 29 | 23 19 | 0 8 | 7 39 | 1 54 | 14 12 | 0 11 | 18 49 | 1 3 | 12 2 | 13 55 | 9 22 | 9 52 | 25 11 | | n.a. |
| M27 | 4 53 | 5 25 | 2 40 | 6 25 | 2 32 | 6 45 | 0 24 | 25 25 | 2 28 | 23 20 | 0 8 | 7 41 | 1 54 | 14 13 | 0 11 | 18 49 | 1 3 | 12 1 | 13 54 | 9 20 | 9 50 | 25 13 | | n.a. |
| T 28 | 4 29 | 1s18 | 1 31 | 6 55 | 2 35 | 7 16 | 0 27 | 25 28 | 2 26 | 23 21 | 0 8 | 7 43 | 1 54 | 14 14 | 0 11 | 18 50 | 1 3 | 12 0 | 13 54 | 9 19 | 9 49 | 25 14 | | n.a. |
| W29 | 4 5 | 8 3 | 0 15 | 7 24 | 2 38 | 7 48 | 0 30 | 25 32 | 2 25 | 23 21 | 0 8 | 7 46 | 1 54 | 14 15 | 0 11 | 18 50 | 1 3 | 11 59 | 13 54 | 9 18 | 9 48 | 25 16 | | n.a. |
| T 30 | 3n40 | 14s27 | 1s 3 | 7s52 | 2s40 | 8s19 | 0s33 | 25s35 | 2s24 | 23n22 | 0n 8 | 7s48 | 1n54 | 14s16 | 0n11 | 18s50 | 1n 3 | 11n58 | 13n54 | 9n18 | 9n47 | 25n18 | | n.a. |

Julian Day Number = 1005411.5, Delta T = 12h46m15s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'06, Lahiri = -30°59'05 Julian Calendar 1 Sept. 1961 BCE == Greg. Calendar 15 Aug. 1961 BCE


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## OCTOBER 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 33 22 | 21♍55'13 | 19♏19 | 14♎28 | 20♎49 | 16♐58 | 16♊35 | 24♎18 | 8♏ 0 | 26♏55 | 1♎50 | 23♈32 | 24♈43 | 7♊ 0 | n.a. | F 1 |
| S 2 | 23 37 19 | 22°55'59 | 3♐35 | 15°25 | 22° 4 | 17°39 | 16°38 | 24°24 | 8° 3 | 26°57 | 1°52 | 23°33 | 24°40 | 7° 7 | n.a. | S 2 |
| S 3 | 23 41 15 | 23°56'45 | 17°47 | 16°18 | 23°18 | 18°20 | 16°42 | 24°31 | 8° 6 | 26°58 | 1°55 | 23°R34 | 24°37 | 7°14 | n.a. | S 3 |
| M 4 | 23 45 12 | 24°57'33 | 1♑53 | 17° 7 | 24°32 | 19° 1 | 16°45 | 24°37 | 8° 9 | 26°59 | 1°57 | 23°34 | 24°34 | 7°20 | n.a. | M 4 |
| T 5 | 23 49 9 | 25°58'23 | 15°53 | 17°50 | 25°46 | 19°42 | 16°48 | 24°43 | 8°12 | 27° 0 | 1°59 | 23°33 | 24°30 | 7°27 | n.a. | T 5 |
| W 6 | 23 53 5 | 26°59'13 | 29°45 | 18°28 | 27° 0 | 20°23 | 16°51 | 24°50 | 8°14 | 27° 2 | 2° 2 | 23°30 | 24°27 | 7°34 | n.a. | W 6 |
| T 7 | 23 57 2 | 28° 0'05 | 13♒26 | 19° 0 | 28°14 | 21° 4 | 16°53 | 24°56 | 8°17 | 27° 3 | 2° 4 | 23°27 | 24°24 | 7°40 | n.a. | T 7 |
| F 8 | 0 0 58 | 29° 0'57 | 26°56 | 19°24 | 29°28 | 21°45 | 16°56 | 25° 3 | 8°20 | 27° 5 | 2° 7 | 23°23 | 24°21 | 7°47 | n.a. | F 8 |
| S 9 | 0 4 55 | 0♎ 1'51 | 10♓13 | 19°40 | 0♏42 | 22°27 | 16°58 | 25° 9 | 8°23 | 27° 6 | 2° 9 | 23°19 | 24°18 | 7°54 | n.a. | S 9 |
| S 10 | 0 8 51 | 1° 2'46 | 23°16 | 19°R48 | 1°56 | 23° 8 | 17° 0 | 25°16 | 8°26 | 27° 7 | 2°11 | 23°16 | 24°14 | 8° 0 | n.a. | S 10 |
| M11 | 0 12 48 | 2° 3'42 | 6♈ 4 | 19°47 | 3°10 | 23°49 | 17° 2 | 25°22 | 8°29 | 27° 9 | 2°14 | 23°14 | 24°11 | 8° 7 | n.a. | M11 |
| T 12 | 0 16 44 | 3° 4'40 | 18°38 | 19°35 | 4°24 | 24°31 | 17° 4 | 25°29 | 8°32 | 27°10 | 2°16 | 23°D13 | 24° 8 | 8°14 | n.a. | T 12 |
| W13 | 0 20 41 | 4° 5'39 | 0♉57 | 19°13 | 5°38 | 25°12 | 17° 5 | 25°36 | 8°36 | 27°12 | 2°19 | 23°13 | 24° 5 | 8°20 | n.a. | W13 |
| T 14 | 0 24 37 | 5° 6'39 | 13° 4 | 18°40 | 6°51 | 25°54 | 17° 6 | 25°42 | 8°39 | 27°13 | 2°21 | 23°14 | 24° 2 | 8°27 | n.a. | T 14 |
| F 15 | 0 28 34 | 6° 7'41 | 25° 2 | 17°55 | 8° 5 | 26°35 | 17° 7 | 25°49 | 8°42 | 27°15 | 2°24 | 23°15 | 23°59 | 8°34 | n.a. | F 15 |
| S 16 | 0 32 31 | 7° 8'44 | 6♊53 | 17° 1 | 9°19 | 27°17 | 17° 8 | 25°56 | 8°45 | 27°17 | 2°26 | 23°17 | 23°55 | 8°40 | n.a. | S 16 |
| S 17 | 0 36 27 | 8° 9'48 | 18°43 | 15°57 | 10°33 | 27°58 | 17° 9 | 26° 3 | 8°48 | 27°18 | 2°28 | 23°18 | 23°52 | 8°47 | n.a. | S 17 |
| M18 | 0 40 24 | 9°10'54 | 0♋35 | 14°45 | 11°47 | 28°40 | 17°10 | 26° 9 | 8°51 | 27°20 | 2°31 | 23°19 | 23°49 | 8°54 | n.a. | M18 |
| T 19 | 0 44 20 | 10°12'01 | 12°34 | 13°26 | 13° 0 | 29°21 | 17°10 | 26°16 | 8°55 | 27°22 | 2°33 | 23°R19 | 23°46 | 9° 0 | n.a. | T 19 |
| W20 | 0 48 17 | 11°13'10 | 24°46 | 12° 5 | 14°14 | 0♌ 3 | 17°R10 | 26°23 | 8°58 | 27°23 | 2°36 | 23°19 | 23°43 | 9° 7 | n.a. | W20 |
| T 21 | 0 52 13 | 12°14'19 | 7♌14 | 10°42 | 15°28 | 0°45 | 17°10 | 26°30 | 9° 1 | 27°25 | 2°38 | 23°18 | 23°40 | 9°14 | n.a. | T 21 |
| F 22 | 0 56 10 | 13°15'30 | 20° 3 | 9°21 | 16°41 | 1°27 | 17°10 | 26°37 | 9° 5 | 27°27 | 2°40 | 23°17 | 23°36 | 9°21 | n.a. | F 22 |
| S 23 | 1 0 7 | 14°16'42 | 3♍15 | 8° 5 | 17°55 | 2° 8 | 17° 9 | 26°44 | 9° 8 | 27°28 | 2°43 | 23°15 | 23°33 | 9°27 | n.a. | S 23 |
| S 24 | 1 4 3 | 15°17'55 | 16°51 | 6°56 | 19° 8 | 2°50 | 17° 8 | 26°51 | 9°11 | 27°30 | 2°45 | 23°14 | 23°30 | 9°34 | n.a. | S 24 |
| M25 | 1 8 0 | 16°19'09 | 0♎50 | 5°55 | 20°22 | 3°32 | 17° 8 | 26°58 | 9°15 | 27°32 | 2°47 | 23°13 | 23°27 | 9°41 | n.a. | M25 |
| T 26 | 1 11 56 | 17°20'23 | 15°10 | 5° 5 | 21°36 | 4°14 | 17° 7 | 27° 5 | 9°18 | 27°34 | 2°50 | 23°13 | 23°24 | 9°47 | n.a. | T 26 |
| W27 | 1 15 53 | 18°21'39 | 29°45 | 4°26 | 22°49 | 4°56 | 17° 5 | 27°11 | 9°22 | 27°36 | 2°52 | 23°D13 | 23°20 | 9°54 | n.a. | W27 |
| T 28 | 1 19 49 | 19°22'55 | 14♏29 | 3°58 | 24° 2 | 5°38 | 17° 4 | 27°18 | 9°25 | 27°38 | 2°55 | 23°13 | 23°17 | 10° 1 | n.a. | T 28 |
| F 29 | 1 23 46 | 20°24'11 | 29°14 | 3°41 | 25°16 | 6°20 | 17° 2 | 27°25 | 9°28 | 27°39 | 2°57 | 23°13 | 23°14 | 10° 7 | n.a. | F 29 |
| S 30 | 1 27 42 | 21°25'29 | 13♐55 | 3°D35 | 26°29 | 7° 2 | 17° 0 | 27°32 | 9°32 | 27°41 | 2°59 | 23°14 | 23°11 | 10°14 | n.a. | S 30 |
| S 31 | 1 31 39 | 22♎26'46 | 28♐25 | 3♎40 | 27♏43 | 7♑44 | 16♊58 | 27♎39 | 9♏35 | 27♏43 | 3♎ 2 | 23♈14 | 23♈ 8 | 10♊21 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 3n16 | 20s 6 | 2s17 | 8s17 | 2s41 | 8s50 | 0s36 | 25s38 | 2s23 | 23n22 | 0n 9 | 7s51 | 1n54 | 14s17 | 0n11 | 18s51 | 1n 3 | 11n57 | 13n54 | 9n19 | 9n46 | 25n20 | | n.a. |
| S 2 | 2 52 | 24 36 | 3 22 | 8 40 | 2 42 | 9 21 | 0 38 | 25 41 | 2 21 | 23 23 | 0 9 | 7 53 | 1 54 | 14 18 | 0 11 | 18 51 | 1 3 | 11 56 | 13 54 | 9 20 | 9 45 | 25 22 | | n.a. |
| S 3 | 2 27 | 27 34 | 4 15 | 9 1 | 2 42 | 9 52 | 0 41 | 25 44 | 2 20 | 23 23 | 0 9 | 7 56 | 1 53 | 14 19 | 0 11 | 18 51 | 1 3 | 11 55 | 13 54 | 9 20 | 9 43 | 25 24 | | n.a. |
| M 4 | 2 2 | 28 46 | 4 51 | 9 20 | 2 42 | 10 22 | 0 44 | 25 46 | 2 19 | 23 24 | 0 9 | 7 58 | 1 53 | 14 20 | 0 11 | 18 52 | 1 3 | 11 53 | 13 53 | 9 20 | 9 42 | 25 25 | | n.a. |
| T 5 | 1 38 | 28 6 | 5 11 | 9 35 | 2 40 | 10 52 | 0 47 | 25 48 | 2 18 | 23 24 | 0 9 | 8 1 | 1 53 | 14 21 | 0 11 | 18 52 | 1 3 | 11 52 | 13 53 | 9 19 | 9 41 | 25 27 | | n.a. |
| W 6 | 1 13 | 25 41 | 5 12 | 9 48 | 2 37 | 11 22 | 0 49 | 25 50 | 2 17 | 23 25 | 0 9 | 8 3 | 1 53 | 14 21 | 0 11 | 18 52 | 1 3 | 11 51 | 13 53 | 9 18 | 9 40 | 25 29 | | n.a. |
| T 7 | 0 49 | 21 49 | 4 55 | 9 57 | 2 34 | 11 52 | 0 52 | 25 52 | 2 15 | 23 25 | 0 10 | 8 6 | 1 53 | 14 22 | 0 11 | 18 53 | 1 3 | 11 50 | 13 53 | 9 17 | 9 39 | 25 31 | | n.a. |
| F 8 | 0 24 | 16 52 | 4 22 | 10 2 | 2 29 | 12 22 | 0 55 | 25 53 | 2 14 | 23 26 | 0 10 | 8 8 | 1 53 | 14 23 | 0 11 | 18 53 | 1 3 | 11 49 | 13 53 | 9 16 | 9 37 | 25 32 | | n.a. |
| S 9 | 0s 1 | 11 11 | 3 35 | 10 2 | 2 23 | 12 51 | 0 58 | 25 55 | 2 13 | 23 26 | 0 10 | 8 11 | 1 53 | 14 24 | 0 11 | 18 53 | 1 3 | 11 48 | 13 53 | 9 14 | 9 36 | 25 34 | | n.a. |
| S 10 | 0 25 | 5 8 | 2 37 | 9 58 | 2 15 | 13 19 | 1 0 | 25 56 | 2 12 | 23 26 | 0 10 | 8 13 | 1 53 | 14 25 | 0 11 | 18 54 | 1 3 | 11 47 | 13 53 | 9 13 | 9 35 | 25 36 | | n.a. |
| M11 | 0 50 | 1n 2 | 1 33 | 9 49 | 2 6 | 13 48 | 1 3 | 25 57 | 2 10 | 23 27 | 0 10 | 8 16 | 1 53 | 14 26 | 0 11 | 18 54 | 1 2 | 11 46 | 13 53 | 9 12 | 9 34 | 25 38 | | n.a. |
| T 12 | 1 15 | 7 3 | 0 25 | 9 34 | 1 55 | 14 16 | 1 5 | 25 57 | 2 9 | 23 27 | 0 10 | 8 19 | 1 52 | 14 27 | 0 11 | 18 55 | 1 2 | 11 45 | 13 53 | 9 12 | 9 33 | 25 39 | | n.a. |
| W13 | 1 40 | 12 42 | 0n43 | 9 14 | 1 42 | 14 44 | 1 8 | 25 58 | 2 8 | 23 27 | 0 11 | 8 21 | 1 52 | 14 29 | 0 11 | 18 55 | 1 2 | 11 44 | 13 53 | 9 12 | 9 31 | 25 41 | | n.a. |
| T 14 | 2 4 | 17 47 | 1 48 | 8 48 | 1 28 | 15 11 | 1 11 | 25 58 | 2 7 | 23 28 | 0 11 | 8 24 | 1 52 | 14 30 | 0 11 | 18 55 | 1 2 | 11 43 | 13 53 | 9 12 | 9 30 | 25 43 | | n.a. |
| F 15 | 2 29 | 22 6 | 2 47 | 8 16 | 1 12 | 15 38 | 1 13 | 25 58 | 2 5 | 23 28 | 0 11 | 8 26 | 1 52 | 14 31 | 0 11 | 18 56 | 1 2 | 11 42 | 13 53 | 9 13 | 9 29 | 25 45 | | n.a. |
| S 16 | 2 53 | 25 29 | 3 39 | 7 39 | 0 54 | 16 5 | 1 16 | 25 58 | 2 4 | 23 28 | 0 11 | 8 29 | 1 52 | 14 32 | 0 11 | 18 56 | 1 2 | 11 41 | 13 53 | 9 13 | 9 28 | 25 46 | | n.a. |
| S 17 | 3 18 | 27 46 | 4 21 | 6 56 | 0 35 | 16 31 | 1 18 | 25 57 | 2 3 | 23 29 | 0 11 | 8 31 | 1 52 | 14 33 | 0 11 | 18 57 | 1 2 | 11 40 | 13 53 | 9 14 | 9 27 | 25 48 | | n.a. |
| M18 | 3 43 | 28 47 | 4 52 | 6 10 | 0 16 | 16 57 | 1 20 | 25 57 | 2 2 | 23 29 | 0 11 | 8 34 | 1 52 | 14 34 | 0 11 | 18 57 | 1 2 | 11 39 | 13 53 | 9 14 | 9 25 | 25 50 | | n.a. |
| T 19 | 4 7 | 28 29 | 5 11 | 5 20 | 0n 5 | 17 22 | 1 23 | 25 56 | 2 1 | 23 29 | 0 12 | 8 37 | 1 52 | 14 35 | 0 11 | 18 57 | 1 2 | 11 38 | 13 53 | 9 14 | 9 24 | 25 51 | | n.a. |
| W20 | 4 31 | 26 47 | 5 17 | 4 29 | 0 26 | 17 47 | 1 25 | 25 55 | 1 59 | 23 29 | 0 12 | 8 39 | 1 52 | 14 36 | 0 11 | 18 58 | 1 2 | 11 37 | 13 53 | 9 14 | 9 23 | 25 53 | | n.a. |
| T 21 | 4 56 | 23 47 | 5 7 | 3 37 | 0 46 | 18 11 | 1 27 | 25 53 | 1 58 | 23 29 | 0 12 | 8 42 | 1 52 | 14 37 | 0 11 | 18 58 | 1 2 | 11 36 | 13 53 | 9 14 | 9 22 | 25 55 | | n.a. |
| F 22 | 5 20 | 19 33 | 4 43 | 2 47 | 1 5 | 18 35 | 1 30 | 25 52 | 1 57 | 23 29 | 0 12 | 8 44 | 1 51 | 14 38 | 0 11 | 18 59 | 1 2 | 11 35 | 13 53 | 9 13 | 9 21 | 25 57 | | n.a. |
| S 23 | 5 44 | 14 17 | 4 3 | 2 0 | 1 24 | 18 59 | 1 32 | 25 50 | 1 56 | 23 30 | 0 12 | 8 47 | 1 51 | 14 39 | 0 11 | 18 59 | 1 2 | 11 34 | 13 53 | 9 13 | 9 20 | 25 58 | | n.a. |
| S 24 | 6 8 | 8 10 | 3 8 | 1 17 | 1 40 | 19 22 | 1 34 | 25 48 | 1 55 | 23 30 | 0 13 | 8 50 | 1 51 | 14 40 | 0 11 | 19 0 | 1 2 | 11 33 | 13 53 | 9 12 | 9 18 | 26 0 | | n.a. |
| M25 | 6 33 | 1 30 | 2 1 | 0 39 | 1 55 | 19 44 | 1 36 | 25 46 | 1 53 | 23 30 | 0 13 | 8 52 | 1 51 | 14 41 | 0 11 | 19 0 | 1 2 | 11 32 | 13 53 | 9 12 | 9 17 | 26 2 | | n.a. |
| T 26 | 6 56 | 5s24 | 0 45 | 0 7 | 2 8 | 20 6 | 1 38 | 25 43 | 1 52 | 23 30 | 0 13 | 8 55 | 1 51 | 14 43 | 0 11 | 19 1 | 1 2 | 11 32 | 13 53 | 9 12 | 9 16 | 26 3 | | n.a. |
| W27 | 7 20 | 12 10 | 0s36 | 0n19 | 2 18 | 20 28 | 1 40 | 25 41 | 1 51 | 23 30 | 0 13 | 8 57 | 1 51 | 14 44 | 0 11 | 19 1 | 1 2 | 11 31 | 13 53 | 9 12 | 9 15 | 26 5 | | n.a. |
| T 28 | 7 44 | 18 20 | 1 55 | 0 38 | 2 27 | 20 48 | 1 42 | 25 38 | 1 50 | 23 30 | 0 13 | 9 0 | 1 51 | 14 45 | 0 11 | 19 1 | 1 2 | 11 30 | 13 53 | 9 12 | 9 14 | 26 6 | | n.a. |
| F 29 | 8 8 | 23 26 | 3 7 | 0 50 | 2 33 | 21 9 | 1 44 | 25 34 | 1 49 | 23 30 | 0 13 | 9 3 | 1 51 | 14 46 | 0 11 | 19 2 | 1 2 | 11 29 | 13 53 | 9 12 | 9 12 | 26 8 | | n.a. |
| S 30 | 8 31 | 27 0 | 4 6 | 0 57 | 2 38 | 21 28 | 1 46 | 25 31 | 1 47 | 23 30 | 0 14 | 9 5 | 1 51 | 14 47 | 0 11 | 19 2 | 1 2 | 11 28 | 13 53 | 9 12 | 9 11 | 26 10 | | n.a. |
| S 31 | 8s54 | 28s43 | 4s48 | 0n58 | 2n41 | 21s47 | 1s47 | 25s27 | 1s46 | 23n30 | 0n14 | 9s 8 | 1n51 | 14s48 | 0n11 | 19s 3 | 1n 2 | 11n27 | 13n53 | 9n12 | 9n10 | 26n11 | | n.a. |

Julian Day Number = 1005441.5, Delta T = 12h46m13s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°06'01, Lahiri = -30°59'01 Julian Calendar 1 Oct. 1961 BCE == Greg. Calendar 14 Sept. 1961 BCE

The year -1960 astronomical counting style corresponds to year 1961 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## NOVEMBER 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 35 36 | 23♎28'04 | 12♑40 | 3♎53 | 28♏56 | 8♑26 | 16°R56 | 27♎46 | 9♏39 | 27♏45 | 3♎ 4 | 23°R14 | 23♈ 5 | 10♊27 | n.a. | M 1 |
| T 2 | 1 39 32 | 24°29'22 | 26°39 | 4°15 | 0♐ 9 | 9° 8 | 16♊53 | 27°53 | 9°42 | 27°47 | 3° 6 | 23°D14 | 23° 1 | 10°34 | n.a. | T 2 |
| W 3 | 1 43 29 | 25°30'40 | 10♒20 | 4°45 | 1°22 | 9°50 | 16°51 | 28° 0 | 9°46 | 27°49 | 3° 8 | 23♈14 | 22°58 | 10°41 | n.a. | W 3 |
| T 4 | 1 47 25 | 26°31'58 | 23°44 | 5°22 | 2°36 | 10°32 | 16°48 | 28° 7 | 9°49 | 27°51 | 3°11 | 23°14 | 22°55 | 10°47 | n.a. | T 4 |
| F 5 | 1 51 22 | 27°33'16 | 6♓52 | 6° 5 | 3°49 | 11°14 | 16°45 | 28°14 | 9°53 | 27°53 | 3°13 | 23°15 | 22°52 | 10°54 | n.a. | F 5 |
| S 6 | 1 55 18 | 28°34'34 | 19°45 | 6°54 | 5° 2 | 11°56 | 16°42 | 28°21 | 9°56 | 27°55 | 3°15 | 23°15 | 22°49 | 11° 1 | n.a. | S 6 |
| S 7 | 1 59 15 | 29°35'52 | 2♈25 | 7°47 | 6°15 | 12°38 | 16°38 | 28°28 | 10° 0 | 27°57 | 3°17 | 23°16 | 22°46 | 11° 8 | n.a. | S 7 |
| M 8 | 2 3 12 | 0♏37'11 | 14°53 | 8°45 | 7°28 | 13°20 | 16°35 | 28°35 | 10° 4 | 27°59 | 3°20 | 23°16 | 22°42 | 11°14 | n.a. | M 8 |
| T 9 | 2 7 8 | 1°38'29 | 27°11 | 9°47 | 8°41 | 14° 3 | 16°31 | 28°42 | 10° 7 | 28° 1 | 3°22 | 23°R16 | 22°39 | 11°21 | n.a. | T 9 |
| W10 | 2 11 5 | 2°39'48 | 9♉19 | 10°52 | 9°53 | 14°45 | 16°27 | 28°49 | 10°11 | 28° 4 | 3°24 | 23°16 | 22°36 | 11°28 | n.a. | W10 |
| T 11 | 2 15 1 | 3°41'07 | 21°19 | 11°59 | 11° 6 | 15°27 | 16°23 | 28°56 | 10°14 | 28° 6 | 3°26 | 23°15 | 22°33 | 11°34 | n.a. | T 11 |
| F 12 | 2 18 58 | 4°42'26 | 3♊14 | 13°10 | 12°19 | 16° 9 | 16°19 | 29° 3 | 10°18 | 28° 8 | 3°28 | 23°13 | 22°30 | 11°41 | n.a. | F 12 |
| S 13 | 2 22 54 | 5°43'45 | 15° 5 | 14°23 | 13°32 | 16°51 | 16°14 | 29°10 | 10°21 | 28°10 | 3°30 | 23°11 | 22°26 | 11°48 | n.a. | S 13 |
| S 14 | 2 26 51 | 6°45'05 | 26°55 | 15°37 | 14°44 | 17°33 | 16° 9 | 29°17 | 10°25 | 28°12 | 3°33 | 23° 9 | 22°23 | 11°54 | n.a. | S 14 |
| M15 | 2 30 47 | 7°46'24 | 8♋47 | 16°54 | 15°57 | 18°15 | 16° 5 | 29°24 | 10°29 | 28°14 | 3°35 | 23° 7 | 22°20 | 12° 1 | n.a. | M15 |
| T 16 | 2 34 44 | 8°47'44 | 20°45 | 18°12 | 17° 9 | 18°57 | 16° 0 | 29°31 | 10°32 | 28°16 | 3°37 | 23° 6 | 22°17 | 12° 8 | n.a. | T 16 |
| W17 | 2 38 41 | 9°49'04 | 2♌54 | 19°31 | 18°22 | 19°39 | 15°54 | 29°38 | 10°36 | 28°19 | 3°39 | 23° 5 | 22°14 | 12°14 | n.a. | W17 |
| T 18 | 2 42 37 | 10°50'24 | 15°17 | 20°52 | 19°34 | 20°22 | 15°49 | 29°45 | 10°39 | 28°21 | 3°41 | 23°D 5 | 22°11 | 12°21 | n.a. | T 18 |
| F 19 | 2 46 34 | 11°51'44 | 27°59 | 22°14 | 20°46 | 21° 4 | 15°44 | 29°52 | 10°43 | 28°23 | 3°43 | 23° 5 | 22° 7 | 12°28 | n.a. | F 19 |
| S 20 | 2 50 30 | 12°53'04 | 11♍ 4 | 23°37 | 21°59 | 21°46 | 15°38 | 29°59 | 10°47 | 28°25 | 3°45 | 23° 7 | 22° 4 | 12°35 | n.a. | S 20 |
| S 21 | 2 54 27 | 13°54'24 | 24°36 | 25° 1 | 23°11 | 22°28 | 15°32 | 0♏ 6 | 10°50 | 28°27 | 3°47 | 23° 8 | 22° 1 | 12°41 | n.a. | S 21 |
| M22 | 2 58 23 | 14°55'44 | 8♎35 | 26°25 | 24°23 | 23°10 | 15°26 | 0°13 | 10°54 | 28°30 | 3°49 | 23° 9 | 21°58 | 12°48 | n.a. | M22 |
| T 23 | 3 2 20 | 15°57'03 | 23° 0 | 27°51 | 25°35 | 23°52 | 15°20 | 0°20 | 10°57 | 28°32 | 3°51 | 23°R10 | 21°55 | 12°55 | n.a. | T 23 |
| W24 | 3 6 17 | 16°58'23 | 7♏47 | 29°17 | 26°47 | 24°34 | 15°14 | 0°26 | 11° 1 | 28°34 | 3°53 | 23° 9 | 21°51 | 13° 1 | n.a. | W24 |
| T 25 | 3 10 13 | 17°59'42 | 22°50 | 0♏44 | 27°59 | 25°17 | 15° 8 | 0°33 | 11° 5 | 28°36 | 3°55 | 23° 7 | 21°48 | 13° 8 | n.a. | T 25 |
| F 26 | 3 14 10 | 19° 1'00 | 8♐ 0 | 2°12 | 29°10 | 25°59 | 15° 1 | 0°40 | 11° 8 | 28°39 | 3°56 | 23° 4 | 21°45 | 13°15 | n.a. | F 26 |
| S 27 | 3 18 6 | 20° 2'18 | 23° 7 | 3°40 | 0♑22 | 26°41 | 14°55 | 0°47 | 11°12 | 28°41 | 3°58 | 23° 0 | 21°42 | 13°21 | n.a. | S 27 |
| S 28 | 3 22 3 | 21° 3'36 | 8♑ 1 | 5° 9 | 1°34 | 27°23 | 14°48 | 0°54 | 11°15 | 28°43 | 4° 0 | 22°56 | 21°39 | 13°28 | n.a. | S 28 |
| M29 | 3 25 59 | 22° 4'52 | 22°35 | 6°38 | 2°45 | 28° 5 | 14°41 | 1° 0 | 11°19 | 28°45 | 4° 2 | 22°53 | 21°36 | 13°35 | n.a. | M29 |
| T 30 | 3 29 56 | 23♏ 6'07 | 6♒45 | 8♏ 8 | 3♑57 | 28♑47 | 14♊34 | 1♏ 7 | 11♏23 | 28♏48 | 4♎ 4 | 22♈50 | 21♈32 | 13♊41 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 9s18 | 28s29 | 5s12 | 0n55 | 2n43 | 22s 6 | 1s49 | 25s24 | 1s45 | 23n30 | 0n14 | 9s10 | 1n51 | 14s49 | 0n11 | 19s 3 | 1n 2 | 11n26 | 13n53 | 9n12 | 9n 9 | 26n13 | | n.a. |
| T 2 | 9 41 | 26 26 | 5 17 | 0 46 | 2 43 | 22 24 | 1 51 | 25 20 | 1 44 | 23 30 | 0 14 | 9 13 | 1 51 | 14 50 | 0 11 | 19 4 | 1 2 | 11 26 | 13 53 | 9 12 | 9 8 | 26 14 | | n.a. |
| W 3 | 10 3 | 22 52 | 5 3 | 0 33 | 2 42 | 22 41 | 1 52 | 25 15 | 1 43 | 23 30 | 0 14 | 9 16 | 1 51 | 14 52 | 0 11 | 19 4 | 1 2 | 11 25 | 13 53 | 9 12 | 9 6 | 26 16 | | n.a. |
| T 4 | 10 26 | 18 10 | 4 34 | 0 16 | 2 40 | 22 57 | 1 54 | 25 11 | 1 41 | 23 30 | 0 15 | 9 18 | 1 51 | 14 53 | 0 11 | 19 5 | 1 2 | 11 24 | 13 53 | 9 12 | 9 5 | 26 18 | | n.a. |
| F 5 | 10 49 | 12 43 | 3 50 | 0s 4 | 2 38 | 23 13 | 1 55 | 25 6 | 1 40 | 23 30 | 0 15 | 9 21 | 1 50 | 14 54 | 0 11 | 19 5 | 1 2 | 11 23 | 13 54 | 9 12 | 9 4 | 26 19 | | n.a. |
| S 6 | 11 11 | 6 49 | 2 55 | 0 26 | 2 34 | 23 28 | 1 56 | 25 1 | 1 39 | 23 29 | 0 15 | 9 23 | 1 50 | 14 55 | 0 11 | 19 6 | 1 2 | 11 22 | 13 54 | 9 13 | 9 3 | 26 21 | | n.a. |
| S 7 | 11 33 | 0 45 | 1 53 | 0 52 | 2 30 | 23 43 | 1 58 | 24 56 | 1 38 | 23 29 | 0 15 | 9 26 | 1 50 | 14 56 | 0 11 | 19 6 | 1 2 | 11 22 | 13 54 | 9 13 | 9 2 | 26 22 | | n.a. |
| M 8 | 11 55 | 5n16 | 0 46 | 1 19 | 2 25 | 23 57 | 1 59 | 24 50 | 1 37 | 23 29 | 0 15 | 9 28 | 1 50 | 14 57 | 0 11 | 19 7 | 1 2 | 11 21 | 13 54 | 9 13 | 9 0 | 26 24 | | n.a. |
| T 9 | 12 17 | 11 1 | 0n22 | 1 49 | 2 20 | 24 10 | 2 0 | 24 45 | 1 36 | 23 29 | 0 15 | 9 31 | 1 50 | 14 59 | 0 11 | 19 7 | 1 2 | 11 20 | 13 54 | 9 13 | 8 59 | 26 25 | | n.a. |
| W10 | 12 38 | 16 16 | 1 28 | 2 20 | 2 14 | 24 23 | 2 1 | 24 39 | 1 34 | 23 29 | 0 16 | 9 34 | 1 50 | 15 0 | 0 11 | 19 8 | 1 1 | 11 19 | 13 54 | 9 13 | 8 58 | 26 27 | | n.a. |
| T 11 | 13 0 | 20 51 | 2 29 | 2 52 | 2 8 | 24 34 | 2 2 | 24 33 | 1 33 | 23 28 | 0 16 | 9 36 | 1 50 | 15 1 | 0 11 | 19 8 | 1 1 | 11 19 | 13 54 | 9 13 | 8 57 | 26 29 | | n.a. |
| F 12 | 13 21 | 24 33 | 3 24 | 3 26 | 2 2 | 24 45 | 2 3 | 24 27 | 1 32 | 23 28 | 0 16 | 9 39 | 1 50 | 15 2 | 0 11 | 19 9 | 1 1 | 11 18 | 13 55 | 9 12 | 8 55 | 26 30 | | n.a. |
| S 13 | 13 42 | 27 11 | 4 9 | 4 1 | 1 55 | 24 56 | 2 4 | 24 20 | 1 31 | 23 28 | 0 16 | 9 41 | 1 50 | 15 3 | 0 11 | 19 9 | 1 1 | 11 17 | 13 55 | 9 11 | 8 54 | 26 32 | | n.a. |
| S 14 | 14 2 | 28 37 | 4 44 | 4 37 | 1 48 | 25 5 | 2 4 | 24 14 | 1 30 | 23 28 | 0 16 | 9 44 | 1 50 | 15 4 | 0 11 | 19 10 | 1 1 | 11 17 | 13 55 | 9 10 | 8 53 | 26 33 | | n.a. |
| M15 | 14 23 | 28 43 | 5 6 | 5 13 | 1 41 | 25 14 | 2 5 | 24 7 | 1 29 | 23 27 | 0 17 | 9 46 | 1 50 | 15 5 | 0 11 | 19 10 | 1 1 | 11 16 | 13 55 | 9 10 | 8 52 | 26 35 | | n.a. |
| T 16 | 14 43 | 27 29 | 5 16 | 5 50 | 1 34 | 25 22 | 2 5 | 24 0 | 1 27 | 23 27 | 0 17 | 9 49 | 1 50 | 15 7 | 0 11 | 19 11 | 1 1 | 11 15 | 13 55 | 9 9 | 8 51 | 26 36 | | n.a. |
| W17 | 15 3 | 24 57 | 5 11 | 6 27 | 1 27 | 25 29 | 2 6 | 23 52 | 1 26 | 23 26 | 0 17 | 9 51 | 1 50 | 15 8 | 0 11 | 19 11 | 1 1 | 11 15 | 13 56 | 9 9 | 8 49 | 26 38 | | n.a. |
| T 18 | 15 23 | 21 13 | 4 53 | 7 5 | 1 19 | 25 36 | 2 6 | 23 45 | 1 25 | 23 26 | 0 17 | 9 54 | 1 50 | 15 9 | 0 11 | 19 12 | 1 1 | 11 14 | 13 56 | 9 9 | 8 48 | 26 39 | | n.a. |
| F 19 | 15 42 | 16 27 | 4 19 | 7 43 | 1 12 | 25 42 | 2 6 | 23 37 | 1 24 | 23 26 | 0 17 | 9 56 | 1 50 | 15 10 | 0 11 | 19 12 | 1 1 | 11 13 | 13 56 | 9 9 | 8 47 | 26 41 | | n.a. |
| S 20 | 16 1 | 10 49 | 3 32 | 8 21 | 1 5 | 25 47 | 2 7 | 23 29 | 1 23 | 23 25 | 0 18 | 9 59 | 1 50 | 15 11 | 0 11 | 19 13 | 1 1 | 11 13 | 13 56 | 9 9 | 8 46 | 26 42 | | n.a. |
| S 21 | 16 20 | 4 30 | 2 31 | 8 59 | 0 57 | 25 51 | 2 7 | 23 21 | 1 22 | 23 25 | 0 18 | 10 1 | 1 50 | 15 12 | 0 11 | 19 13 | 1 1 | 11 12 | 13 56 | 9 10 | 8 45 | 26 43 | | n.a. |
| M22 | 16 38 | 2s15 | 1 20 | 9 38 | 0 50 | 25 54 | 2 7 | 23 13 | 1 21 | 23 24 | 0 18 | 10 4 | 1 50 | 15 14 | 0 11 | 19 14 | 1 1 | 11 12 | 13 57 | 9 11 | 8 43 | 26 45 | | n.a. |
| T 23 | 16 57 | 9 6 | 0 1 | 10 16 | 0 42 | 25 57 | 2 6 | 23 4 | 1 20 | 23 24 | 0 18 | 10 6 | 1 50 | 15 15 | 0 11 | 19 14 | 1 1 | 11 11 | 13 57 | 9 11 | 8 42 | 26 46 | | n.a. |
| W24 | 17 15 | 15 38 | 1s20 | 10 54 | 0 35 | 25 59 | 2 6 | 22 56 | 1 18 | 23 23 | 0 18 | 10 9 | 1 50 | 15 16 | 0 11 | 19 15 | 1 1 | 11 10 | 13 57 | 9 11 | 8 41 | 26 48 | | n.a. |
| T 25 | 17 32 | 21 22 | 2 36 | 11 32 | 0 27 | 26 0 | 2 6 | 22 47 | 1 17 | 23 23 | 0 18 | 10 11 | 1 50 | 15 17 | 0 11 | 19 15 | 1 1 | 11 10 | 13 57 | 9 10 | 8 40 | 26 49 | | n.a. |
| F 26 | 17 49 | 25 44 | 3 42 | 12 10 | 0 20 | 26 1 | 2 5 | 22 38 | 1 16 | 23 22 | 0 19 | 10 13 | 1 50 | 15 18 | 0 11 | 19 16 | 1 1 | 11 9 | 13 58 | 9 9 | 8 39 | 26 51 | | n.a. |
| S 27 | 18 6 | 28 16 | 4 32 | 12 47 | 0 13 | 26 0 | 2 5 | 22 28 | 1 15 | 23 22 | 0 19 | 10 16 | 1 50 | 15 19 | 0 11 | 19 17 | 1 1 | 11 9 | 13 58 | 9 7 | 8 37 | 26 52 | | n.a. |
| S 28 | 18 23 | 28 43 | 5 3 | 13 25 | 0 6 | 25 59 | 2 4 | 22 19 | 1 14 | 23 21 | 0 19 | 10 18 | 1 50 | 15 20 | 0 11 | 19 17 | 1 1 | 11 8 | 13 58 | 9 6 | 8 36 | 26 54 | | n.a. |
| M29 | 18 39 | 27 8 | 5 13 | 14 1 | 0s 1 | 25 57 | 2 4 | 22 9 | 1 13 | 23 20 | 0 19 | 10 20 | 1 50 | 15 22 | 0 11 | 19 18 | 1 1 | 11 8 | 13 59 | 9 4 | 8 35 | 26 55 | | n.a. |
| T 30 | 18s55 | 23s51 | 5s 4 | 14s38 | 0s 8 | 25s54 | 2s 3 | 21s59 | 1s12 | 23n20 | 0n19 | 10s23 | 1n50 | 15s23 | 0n11 | 19s18 | 1n 1 | 11n 8 | 13n59 | 9n 3 | 8n34 | 26n56 | | n.a. |

Julian Day Number = 1005472.5, Delta T = 12h46m11s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'57, Lahiri = -30°58'57 Julian Calendar 1 Nov. 1961 BCE == Greg. Calendar 15 Oct. 1961 BCE


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# ASTRODIENST EPHEMERIS for the year 1961 BCE
# geocentric

## DECEMBER 1961 BCE (-1960) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 33 53 | 24♏ 7'21 | 20♒30 | 9♏38 | 5♑ 8 | 29♑29 | 14°R27 | 1♏14 | 11♏26 | 28♏50 | 4♎ 5 | 22°D49 | 21♈29 | 13♊48 | n.a. | W 1 |
| T 2 | 3 37 49 | 25° 8'35 | 3♓50 | 11° 9 | 6°19 | 0♒11 | 14♊20 | 1°20 | 11°30 | 28°52 | 4° 7 | 22♈50 | 21°26 | 13°55 | n.a. | T 2 |
| F 3 | 3 41 46 | 26° 9'47 | 16°48 | 12°41 | 7°30 | 0°53 | 14°13 | 1°27 | 11°33 | 28°54 | 4° 9 | 22°51 | 21°23 | 14° 2 | n.a. | F 3 |
| S 4 | 3 45 42 | 27°10'58 | 29°28 | 14°13 | 8°41 | 1°35 | 14° 5 | 1°33 | 11°37 | 28°57 | 4°10 | 22°53 | 21°20 | 14° 8 | n.a. | S 4 |
| S 5 | 3 49 39 | 28°12'08 | 11♈52 | 15°45 | 9°52 | 2°17 | 13°58 | 1°40 | 11°40 | 28°59 | 4°12 | 22°54 | 21°17 | 14°15 | n.a. | S 5 |
| M 6 | 3 53 35 | 29°13'16 | 24° 4 | 17°19 | 11° 3 | 2°59 | 13°51 | 1°47 | 11°44 | 29° 1 | 4°14 | 22°R55 | 21°13 | 14°22 | n.a. | M 6 |
| T 7 | 3 57 32 | 0♗14'24 | 6♉ 8 | 18°52 | 12°14 | 3°41 | 13°43 | 1°53 | 11°47 | 29° 4 | 4°15 | 22°54 | 21°10 | 14°28 | n.a. | T 7 |
| W 8 | 4 1 28 | 1°15'31 | 18° 5 | 20°26 | 13°24 | 4°23 | 13°35 | 1°59 | 11°51 | 29° 6 | 4°17 | 22°51 | 21° 7 | 14°35 | n.a. | W 8 |
| T 9 | 4 5 25 | 2°16'36 | 29°59 | 22° 1 | 14°34 | 5° 5 | 13°28 | 2° 6 | 11°54 | 29° 8 | 4°18 | 22°46 | 21° 4 | 14°42 | n.a. | T 9 |
| F 10 | 4 9 22 | 3°17'41 | 11♊51 | 23°37 | 15°45 | 5°47 | 13°20 | 2°12 | 11°57 | 29°10 | 4°20 | 22°39 | 21° 1 | 14°48 | n.a. | F 10 |
| S 11 | 4 13 18 | 4°18'45 | 23°42 | 25°13 | 16°55 | 6°29 | 13°12 | 2°19 | 12° 1 | 29°13 | 4°21 | 22°31 | 20°57 | 14°55 | n.a. | S 11 |
| S 12 | 4 17 15 | 5°19'47 | 5♋34 | 26°49 | 18° 5 | 7°11 | 13° 4 | 2°25 | 12° 4 | 29°15 | 4°23 | 22°22 | 20°54 | 15° 2 | n.a. | S 12 |
| M13 | 4 21 11 | 6°20'49 | 17°29 | 28°27 | 19°15 | 7°53 | 12°56 | 2°31 | 12° 8 | 29°17 | 4°24 | 22°14 | 20°51 | 15° 9 | n.a. | M13 |
| T 14 | 4 25 8 | 7°21'49 | 29°30 | 0♗ 4 | 20°24 | 8°35 | 12°48 | 2°37 | 12°11 | 29°19 | 4°26 | 22° 7 | 20°48 | 15°15 | n.a. | T 14 |
| W15 | 4 29 4 | 8°22'49 | 11♌39 | 1°43 | 21°34 | 9°17 | 12°41 | 2°43 | 12°14 | 29°22 | 4°27 | 22° 1 | 20°45 | 15°22 | n.a. | W15 |
| T 16 | 4 33 1 | 9°23'47 | 24° 0 | 3°22 | 22°43 | 9°58 | 12°33 | 2°49 | 12°18 | 29°24 | 4°28 | 21°58 | 20°42 | 15°29 | n.a. | T 16 |
| F 17 | 4 36 58 | 10°24'45 | 6♍37 | 5° 2 | 23°53 | 10°40 | 12°25 | 2°56 | 12°21 | 29°26 | 4°30 | 21°D56 | 20°38 | 15°35 | n.a. | F 17 |
| S 18 | 4 40 54 | 11°25'41 | 19°34 | 6°43 | 25° 2 | 11°22 | 12°17 | 3° 2 | 12°24 | 29°28 | 4°31 | 21°56 | 20°35 | 15°42 | n.a. | S 18 |
| S 19 | 4 44 51 | 12°26'36 | 2♎55 | 8°24 | 26°11 | 12° 4 | 12° 9 | 3° 8 | 12°27 | 29°31 | 4°32 | 21°57 | 20°32 | 15°49 | n.a. | S 19 |
| M20 | 4 48 47 | 13°27'30 | 16°43 | 10° 6 | 27°19 | 12°45 | 12° 0 | 3°13 | 12°31 | 29°33 | 4°33 | 21°R58 | 20°29 | 15°55 | n.a. | M20 |
| T 21 | 4 52 44 | 14°28'23 | 0♏58 | 11°49 | 28°28 | 13°27 | 11°52 | 3°19 | 12°34 | 29°35 | 4°34 | 21°58 | 20°26 | 16° 2 | n.a. | T 21 |
| W22 | 4 56 40 | 15°29'15 | 15°40 | 13°33 | 29°36 | 14° 9 | 11°45 | 3°25 | 12°37 | 29°37 | 4°36 | 21°56 | 20°23 | 16° 9 | n.a. | W22 |
| T 23 | 5 0 37 | 16°30'06 | 0♗44 | 15°17 | 0♒45 | 14°51 | 11°37 | 3°31 | 12°40 | 29°40 | 4°37 | 21°51 | 20°19 | 16°16 | n.a. | T 23 |
| F 24 | 5 4 34 | 17°30'55 | 16° 1 | 17° 2 | 1°53 | 15°32 | 11°29 | 3°37 | 12°43 | 29°42 | 4°38 | 21°44 | 20°16 | 16°22 | n.a. | F 24 |
| S 25 | 5 8 30 | 18°31'43 | 1♑21 | 18°48 | 3° 1 | 16°14 | 11°21 | 3°42 | 12°46 | 29°44 | 4°39 | 21°35 | 20°13 | 16°29 | n.a. | S 25 |
| S 26 | 5 12 27 | 19°32'29 | 16°32 | 20°34 | 4° 8 | 16°56 | 11°13 | 3°48 | 12°50 | 29°46 | 4°40 | 21°26 | 20°10 | 16°36 | n.a. | S 26 |
| M27 | 5 16 23 | 20°33'13 | 1♒23 | 22°22 | 5°16 | 17°37 | 11° 5 | 3°53 | 12°53 | 29°48 | 4°41 | 21°17 | 20° 7 | 16°42 | n.a. | M27 |
| T 28 | 5 20 20 | 21°33'55 | 15°49 | 24°10 | 6°23 | 18°19 | 10°57 | 3°59 | 12°56 | 29°50 | 4°42 | 21°10 | 20° 3 | 16°49 | n.a. | T 28 |
| W29 | 5 24 16 | 22°34'36 | 29°46 | 25°58 | 7°30 | 19° 0 | 10°49 | 4° 4 | 12°59 | 29°53 | 4°42 | 21° 6 | 20° 0 | 16°56 | n.a. | W29 |
| T 30 | 5 28 13 | 23°35'14 | 13♓12 | 27°48 | 8°37 | 19°42 | 10°42 | 4°10 | 13° 2 | 29°55 | 4°43 | 21° 3 | 19°57 | 17° 2 | n.a. | T 30 |
| F 31 | 5 32 9 | 24♗35'50 | 26♓12 | 29♗38 | 9♒43 | 20♒23 | 10♊34 | 4♏15 | 13♏ 4 | 29♏57 | 4♎44 | 21°D 3 | 19♈54 | 17♊ 9 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| W 1 | 19s11 | 19s19 | 4s38 | 15s14 | 0s15 | 25s51 | 2s 2 | 21s49 | 1s11 | 23n19 | 0n20 | 10s25 | 1n50 | 15s24 | 0n11 | 19s19 | 1n 1 | 11n 7 | 13n59 | 9n 3 | 8n33 | 26n58 | | | n.a. |
| T 2 | 19 26 | 13 58 | 3 57 | 15 50 | 0 22 | 25 47 | 2 1 | 21 39 | 1 10 | 23 18 | 0 20 | 10 27 | 1 50 | 15 25 | 0 11 | 19 19 | 1 1 | 11 7 | 13 59 | 9 3 | 8 31 | 26 59 | | | n.a. |
| F 3 | 19 41 | 8 8 | 3 5 | 16 25 | 0 29 | 25 42 | 2 0 | 21 29 | 1 9 | 23 18 | 0 20 | 10 30 | 1 50 | 15 26 | 0 11 | 19 20 | 1 1 | 11 6 | 14 0 | 9 4 | 8 30 | 27 0 | | | n.a. |
| S 4 | 19 55 | 2 7 | 2 5 | 16 59 | 0 35 | 25 36 | 1 58 | 21 18 | 1 8 | 23 17 | 0 20 | 10 32 | 1 50 | 15 27 | 0 11 | 19 20 | 1 1 | 11 6 | 14 0 | 9 4 | 8 29 | 27 2 | | | n.a. |
| S 5 | 20 10 | 3n52 | 1 0 | 17 33 | 0 41 | 25 29 | 1 57 | 21 8 | 1 7 | 23 16 | 0 20 | 10 34 | 1 50 | 15 28 | 0 11 | 19 21 | 1 1 | 11 6 | 14 0 | 9 5 | 8 28 | 27 3 | | | n.a. |
| M 6 | 20 23 | 9 37 | 0n 6 | 18 6 | 0 48 | 25 22 | 1 56 | 20 57 | 1 6 | 23 16 | 0 20 | 10 37 | 1 50 | 15 29 | 0 11 | 19 21 | 1 1 | 11 5 | 14 1 | 9 5 | 8 26 | 27 5 | | | n.a. |
| T 7 | 20 37 | 14 57 | 1 11 | 18 38 | 0 54 | 25 14 | 1 54 | 20 46 | 1 4 | 23 15 | 0 21 | 10 39 | 1 50 | 15 30 | 0 11 | 19 22 | 1 1 | 11 5 | 14 1 | 9 5 | 8 25 | 27 6 | | | n.a. |
| W 8 | 20 50 | 19 41 | 2 13 | 19 10 | 0 59 | 25 6 | 1 52 | 20 35 | 1 3 | 23 14 | 0 21 | 10 41 | 1 50 | 15 32 | 0 11 | 19 22 | 1 1 | 11 5 | 14 1 | 9 3 | 8 24 | 27 7 | | | n.a. |
| T 9 | 21 2 | 23 36 | 3 8 | 19 41 | 1 5 | 24 56 | 1 51 | 20 23 | 1 2 | 23 13 | 0 21 | 10 43 | 1 50 | 15 33 | 0 11 | 19 23 | 1 1 | 11 4 | 14 2 | 9 2 | 8 23 | 27 9 | | | n.a. |
| F 10 | 21 14 | 26 32 | 3 54 | 20 11 | 1 10 | 24 46 | 1 49 | 20 12 | 1 1 | 23 12 | 0 21 | 10 45 | 1 50 | 15 34 | 0 11 | 19 23 | 1 1 | 11 4 | 14 2 | 8 59 | 8 22 | 27 10 | | | n.a. |
| S 11 | 21 26 | 28 16 | 4 30 | 20 40 | 1 16 | 24 35 | 1 47 | 20 0 | 1 0 | 23 12 | 0 21 | 10 48 | 1 50 | 15 35 | 0 11 | 19 24 | 1 1 | 11 4 | 14 2 | 8 56 | 8 20 | 27 11 | | | n.a. |
| S 12 | 21 37 | 28 43 | 4 55 | 21 9 | 1 21 | 24 24 | 1 45 | 19 48 | 0 59 | 23 11 | 0 21 | 10 50 | 1 50 | 15 36 | 0 11 | 19 24 | 1 1 | 11 3 | 14 3 | 8 53 | 8 19 | 27 12 | | | n.a. |
| M13 | 21 48 | 27 49 | 5 7 | 21 36 | 1 25 | 24 12 | 1 42 | 19 36 | 0 58 | 23 10 | 0 22 | 10 52 | 1 50 | 15 37 | 0 11 | 19 25 | 1 1 | 11 3 | 14 3 | 8 50 | 8 18 | 27 14 | | | n.a. |
| T 14 | 21 59 | 25 38 | 5 5 | 22 2 | 1 30 | 23 59 | 1 40 | 19 24 | 0 57 | 23 9 | 0 22 | 10 54 | 1 51 | 15 38 | 0 11 | 19 25 | 1 1 | 11 3 | 14 3 | 8 47 | 8 17 | 27 15 | | | n.a. |
| W15 | 22 9 | 22 16 | 4 50 | 22 27 | 1 34 | 23 46 | 1 38 | 19 12 | 0 56 | 23 8 | 0 22 | 10 56 | 1 51 | 15 39 | 0 11 | 19 26 | 1 1 | 11 3 | 14 4 | 8 45 | 8 16 | 27 16 | | | n.a. |
| T 16 | 22 18 | 17 53 | 4 21 | 22 51 | 1 38 | 23 31 | 1 35 | 18 59 | 0 55 | 23 7 | 0 22 | 10 58 | 1 51 | 15 40 | 0 11 | 19 26 | 1 1 | 11 3 | 14 4 | 8 43 | 8 14 | 27 18 | | | n.a. |
| F 17 | 22 28 | 12 39 | 3 39 | 23 14 | 1 42 | 23 17 | 1 32 | 18 47 | 0 54 | 23 6 | 0 22 | 11 0 | 1 51 | 15 41 | 0 11 | 19 27 | 1 1 | 11 2 | 14 4 | 8 43 | 8 13 | 27 19 | | | n.a. |
| S 18 | 22 36 | 6 44 | 2 45 | 23 35 | 1 45 | 23 1 | 1 30 | 18 34 | 0 53 | 23 5 | 0 22 | 11 2 | 1 51 | 15 42 | 0 11 | 19 27 | 1 1 | 11 2 | 14 5 | 8 43 | 8 12 | 27 20 | | | n.a. |
| S 19 | 22 45 | 0 21 | 1 41 | 23 55 | 1 48 | 22 46 | 1 27 | 18 21 | 0 52 | 23 5 | 0 23 | 11 4 | 1 51 | 15 43 | 0 11 | 19 28 | 1 1 | 11 2 | 14 5 | 8 43 | 8 11 | 27 21 | | | n.a. |
| M20 | 22 52 | 6s16 | 0 28 | 24 14 | 1 51 | 22 29 | 1 24 | 18 8 | 0 51 | 23 4 | 0 23 | 11 6 | 1 51 | 15 44 | 0 11 | 19 28 | 1 1 | 11 2 | 14 6 | 8 44 | 8 9 | 27 23 | | | n.a. |
| T 21 | 23 0 | 12 48 | 0s48 | 24 31 | 1 53 | 22 12 | 1 21 | 17 55 | 0 50 | 23 3 | 0 23 | 11 8 | 1 51 | 15 45 | 0 11 | 19 29 | 1 1 | 11 2 | 14 6 | 8 43 | 8 8 | 27 24 | | | n.a. |
| W22 | 23 7 | 18 50 | 2 4 | 24 47 | 1 55 | 21 54 | 1 17 | 17 42 | 0 49 | 23 2 | 0 23 | 11 10 | 1 51 | 15 46 | 0 11 | 19 29 | 1 1 | 11 2 | 14 6 | 8 43 | 8 7 | 27 25 | | | n.a. |
| T 23 | 23 13 | 23 51 | 3 12 | 25 1 | 1 56 | 21 36 | 1 14 | 17 29 | 0 48 | 23 1 | 0 23 | 11 12 | 1 51 | 15 47 | 0 11 | 19 30 | 1 1 | 11 2 | 14 7 | 8 41 | 8 6 | 27 26 | | | n.a. |
| F 24 | 23 19 | 27 17 | 4 8 | 25 14 | 1 58 | 21 17 | 1 11 | 17 15 | 0 47 | 23 0 | 0 23 | 11 14 | 1 51 | 15 48 | 0 11 | 19 30 | 1 1 | 11 2 | 14 7 | 8 38 | 8 5 | 27 28 | | | n.a. |
| S 25 | 23 25 | 28 41 | 4 46 | 25 24 | 1 58 | 20 58 | 1 7 | 17 2 | 0 46 | 22 59 | 0 23 | 11 16 | 1 51 | 15 49 | 0 11 | 19 31 | 1 1 | 11 1 | 14 8 | 8 35 | 8 3 | 27 29 | | | n.a. |
| S 26 | 23 30 | 27 54 | 5 3 | 25 33 | 1 59 | 20 38 | 1 4 | 16 48 | 0 45 | 22 58 | 0 24 | 11 18 | 1 51 | 15 50 | 0 11 | 19 31 | 1 1 | 11 1 | 14 8 | 8 31 | 8 2 | 27 30 | | | n.a. |
| M27 | 23 35 | 25 7 | 5 0 | 25 40 | 1 59 | 20 18 | 1 0 | 16 34 | 0 45 | 22 57 | 0 24 | 11 20 | 1 51 | 15 51 | 0 11 | 19 32 | 1 1 | 11 1 | 14 8 | 8 28 | 8 1 | 27 31 | | | n.a. |
| T 28 | 23 39 | 20 49 | 4 37 | 25 45 | 1 58 | 19 57 | 0 56 | 16 20 | 0 44 | 22 56 | 0 24 | 11 21 | 1 51 | 15 52 | 0 11 | 19 32 | 1 1 | 11 1 | 14 9 | 8 25 | 8 0 | 27 32 | | | n.a. |
| W29 | 23 43 | 15 29 | 3 58 | 25 48 | 1 57 | 19 36 | 0 52 | 16 6 | 0 43 | 22 55 | 0 24 | 11 23 | 1 51 | 15 53 | 0 11 | 19 33 | 1 1 | 11 1 | 14 9 | 8 24 | 7 58 | 27 33 | | | n.a. |
| T 30 | 23 46 | 9 36 | 3 8 | 25 49 | 1 55 | 19 14 | 0 48 | 15 52 | 0 42 | 22 54 | 0 24 | 11 25 | 1 52 | 15 54 | 0 11 | 19 33 | 1 1 | 11 1 | 14 10 | 8 23 | 7 57 | 27 35 | | | n.a. |
| F 31 | 23s49 | 3s30 | 2s 9 | 25s48 | 1s53 | 18s52 | 0s44 | 15s38 | 0s41 | 22n53 | 0n24 | 11s27 | 1n52 | 15s55 | 0n11 | 19s33 | 1n 1 | 11n 1 | 14n10 | 8n22 | 7n56 | 27n36 | | | n.a. |

Julian Day Number = 1005502.5, Delta T = 12h46m09s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'53, Lahiri = -30°58'53 Julian Calendar 1 Dec. 1961 BCE == Greg. Calendar 14 Nov. 1961 BCE

The year -1960 astronomical counting style corresponds to year 1961 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## JANUARY 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 36 6 | 25♐36'24 | 8♈48 | 1♑28 | 10♒50 | 21♒ 5 | 10°R27 | 4♏20 | 13♏ 7 | 29♏59 | 4♎45 | 21♈ 3 | 19♈51 | 17♊16 | n.a. | S 1 |
| S 2 | 5 40 3 | 26°36'57 | 21° 7 | 3°19 | 11°56 | 21°46 | 10♊19 | 4°25 | 13°10 | 0♐ 1 | 4°46 | 21°R 4 | 19°48 | 17°23 | n.a. | S 2 |
| M 3 | 5 43 59 | 27°37'27 | 3♉12 | 5°10 | 13° 2 | 22°28 | 10°12 | 4°31 | 13°13 | 0° 3 | 4°46 | 21° 3 | 19°44 | 17°29 | n.a. | M 3 |
| T 4 | 5 47 56 | 28°37'55 | 15° 8 | 7° 1 | 14° 7 | 23° 9 | 10° 5 | 4°36 | 13°16 | 0° 5 | 4°47 | 21° 0 | 19°41 | 17°36 | n.a. | T 4 |
| W 5 | 5 51 52 | 29°38'21 | 26°59 | 8°53 | 15°12 | 23°51 | 9°57 | 4°41 | 13°19 | 0° 7 | 4°48 | 20°55 | 19°38 | 17°43 | n.a. | W 5 |
| T 6 | 5 55 49 | 0♑38'46 | 8♊49 | 10°44 | 16°17 | 24°32 | 9°50 | 4°46 | 13°21 | 0° 9 | 4°48 | 20°46 | 19°35 | 17°49 | n.a. | T 6 |
| F 7 | 5 59 45 | 1°39'08 | 20°40 | 12°34 | 17°22 | 25°13 | 9°43 | 4°50 | 13°24 | 0°11 | 4°49 | 20°35 | 19°32 | 17°56 | n.a. | F 7 |
| S 8 | 6 3 42 | 2°39'28 | 2♋33 | 14°24 | 18°27 | 25°55 | 9°36 | 4°55 | 13°27 | 0°13 | 4°50 | 20°22 | 19°29 | 18° 3 | n.a. | S 8 |
| S 9 | 6 7 38 | 3°39'47 | 14°30 | 16°13 | 19°31 | 26°36 | 9°30 | 5° 0 | 13°29 | 0°15 | 4°50 | 20° 8 | 19°25 | 18° 9 | n.a. | S 9 |
| M10 | 6 11 35 | 4°40'03 | 26°33 | 18° 0 | 20°34 | 27°17 | 9°23 | 5° 5 | 13°32 | 0°17 | 4°51 | 19°54 | 19°22 | 18°16 | n.a. | M10 |
| T 11 | 6 15 32 | 5°40'18 | 8♌41 | 19°46 | 21°38 | 27°58 | 9°17 | 5° 9 | 13°34 | 0°19 | 4°51 | 19°42 | 19°19 | 18°23 | n.a. | T 11 |
| W12 | 6 19 28 | 6°40'31 | 20°58 | 21°29 | 22°41 | 28°39 | 9°10 | 5°14 | 13°37 | 0°21 | 4°51 | 19°32 | 19°16 | 18°30 | n.a. | W12 |
| T 13 | 6 23 25 | 7°40'42 | 3♍25 | 23°10 | 23°44 | 29°21 | 9° 4 | 5°18 | 13°39 | 0°23 | 4°52 | 19°25 | 19°13 | 18°36 | n.a. | T 13 |
| F 14 | 6 27 21 | 8°40'51 | 16° 5 | 24°47 | 24°46 | 0♓ 2 | 8°58 | 5°22 | 13°42 | 0°25 | 4°52 | 19°21 | 19° 9 | 18°43 | n.a. | F 14 |
| S 15 | 6 31 18 | 9°40'58 | 29° 0 | 26°21 | 25°48 | 0°43 | 8°52 | 5°27 | 13°44 | 0°27 | 4°52 | 19°19 | 19° 6 | 18°50 | n.a. | S 15 |
| S 16 | 6 35 14 | 10°41'04 | 12♎15 | 27°50 | 26°50 | 1°24 | 8°46 | 5°31 | 13°47 | 0°29 | 4°53 | 19°19 | 19° 3 | 18°56 | n.a. | S 16 |
| M17 | 6 39 11 | 11°41'07 | 25°52 | 29°14 | 27°51 | 2° 5 | 8°40 | 5°35 | 13°49 | 0°31 | 4°53 | 19°18 | 19° 0 | 19° 3 | n.a. | M17 |
| T 18 | 6 43 7 | 12°41'10 | 9♏53 | 0♒33 | 28°52 | 2°46 | 8°35 | 5°39 | 13°51 | 0°32 | 4°53 | 19°17 | 18°57 | 19°10 | n.a. | T 18 |
| W19 | 6 47 4 | 13°41'10 | 24°20 | 1°46 | 29°52 | 3°27 | 8°29 | 5°43 | 13°54 | 0°34 | 4°53 | 19°14 | 18°54 | 19°17 | n.a. | W19 |
| T 20 | 6 51 1 | 14°41'08 | 9♐ 8 | 2°51 | 0♓52 | 4° 8 | 8°24 | 5°47 | 13°56 | 0°36 | 4°53 | 19° 8 | 18°50 | 19°23 | n.a. | T 20 |
| F 21 | 6 54 57 | 15°41'05 | 24°13 | 3°50 | 1°52 | 4°49 | 8°19 | 5°51 | 13°58 | 0°38 | 4°53 | 18°59 | 18°47 | 19°30 | n.a. | F 21 |
| S 22 | 6 58 54 | 16°41'00 | 9♑25 | 4°41 | 2°51 | 5°30 | 8°14 | 5°54 | 14° 0 | 0°39 | 4°53 | 18°49 | 18°44 | 19°37 | n.a. | S 22 |
| S 23 | 7 2 50 | 17°40'52 | 24°34 | 5°24 | 3°50 | 6°11 | 8° 9 | 5°58 | 14° 2 | 0°41 | 4°R53 | 18°37 | 18°41 | 19°43 | n.a. | S 23 |
| M24 | 7 6 47 | 18°40'43 | 9♒30 | 5°59 | 4°48 | 6°52 | 8° 4 | 6° 2 | 14° 4 | 0°43 | 4°53 | 18°26 | 18°38 | 19°50 | n.a. | M24 |
| T 25 | 7 10 43 | 19°40'31 | 24° 2 | 6°25 | 5°46 | 7°32 | 8° 0 | 6° 5 | 14° 6 | 0°44 | 4°53 | 18°16 | 18°35 | 19°57 | n.a. | T 25 |
| W26 | 7 14 40 | 20°40'16 | 8♓ 7 | 6°42 | 6°43 | 8°13 | 7°56 | 6° 9 | 14° 8 | 0°46 | 4°53 | 18° 9 | 18°31 | 20° 3 | n.a. | W26 |
| T 27 | 7 18 36 | 21°39'59 | 21°41 | 6°R51 | 7°40 | 8°54 | 7°51 | 6°12 | 14°10 | 0°48 | 4°53 | 18° 5 | 18°28 | 20°10 | n.a. | T 27 |
| F 28 | 7 22 33 | 22°39'40 | 4♈48 | 6°50 | 8°36 | 9°35 | 7°48 | 6°15 | 14°12 | 0°49 | 4°53 | 18° 3 | 18°25 | 20°17 | n.a. | F 28 |
| S 29 | 7 26 30 | 23°39'18 | 17°28 | 6°42 | 9°31 | 10°15 | 7°44 | 6°18 | 14°14 | 0°51 | 4°53 | 18° 3 | 18°22 | 20°24 | n.a. | S 29 |
| S 30 | 7 30 26 | 24°38'54 | 29°49 | 6°25 | 10°26 | 10°56 | 7°40 | 6°21 | 14°15 | 0°52 | 4°53 | 18° 3 | 18°19 | 20°30 | n.a. | S 30 |
| M31 | 7 34 23 | 25♑38'27 | 11♉54 | 6♒ 1 | 11♓20 | 11♓37 | 7♊37 | 6♏24 | 14♏17 | 0♐54 | 4♎52 | 18♈ 2 | 18♈15 | 20♊37 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | | ☊ | | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | | decl | | decl | | decl | lat |
| S 1 | 23s51 | 2n34 | 1s 5 | 25s45 | 1s50 | 18s30 | 0s39 | 15s23 | 0s40 | 22n52 | 0n24 | 11s28 | 1n52 | 15s55 | 0n11 | 19s34 | 1n 1 | 11n 2 | 14n10 | 8n23 | | 7n55 | | 27n37 | | | n.a. |
| S 2 | 23 53 | 8 24 | 0n 0 | 25 39 | 1 46 | 18 7 | 0 35 | 15 9 | 0 39 | 22 51 | 0 25 | 11 30 | 1 52 | 15 56 | 0 11 | 19 34 | 1 1 | 11 2 | 14 11 | 8 23 | | 7 54 | | 27 38 | | | n.a. |
| M 3 | 23 54 | 13 50 | 1 4 | 25 31 | 1 42 | 17 44 | 0 31 | 14 54 | 0 38 | 22 50 | 0 25 | 11 32 | 1 52 | 15 57 | 0 11 | 19 35 | 1 1 | 11 2 | 14 11 | 8 22 | | 7 52 | | 27 39 | | | n.a. |
| T 4 | 23 55 | 18 41 | 2 4 | 25 21 | 1 38 | 17 20 | 0 26 | 14 39 | 0 37 | 22 49 | 0 25 | 11 33 | 1 52 | 15 58 | 0 11 | 19 35 | 1 1 | 11 2 | 14 12 | 8 21 | | 7 51 | | 27 40 | | | n.a. |
| W 5 | 23 55 | 22 46 | 2 59 | 25 9 | 1 32 | 16 56 | 0 21 | 14 25 | 0 36 | 22 48 | 0 25 | 11 35 | 1 52 | 15 59 | 0 11 | 19 36 | 1 1 | 11 2 | 14 12 | 8 19 | | 7 50 | | 27 41 | | | n.a. |
| T 6 | 23 55 | 25 55 | 3 45 | 24 54 | 1 26 | 16 32 | 0 16 | 14 10 | 0 35 | 22 47 | 0 25 | 11 37 | 1 52 | 16 0 | 0 11 | 19 36 | 1 1 | 11 2 | 14 12 | 8 16 | | 7 49 | | 27 43 | | | n.a. |
| F 7 | 23 55 | 27 56 | 4 21 | 24 37 | 1 19 | 16 7 | 0 12 | 13 55 | 0 34 | 22 46 | 0 25 | 11 38 | 1 52 | 16 1 | 0 11 | 19 36 | 1 1 | 11 2 | 14 13 | 8 12 | | 7 47 | | 27 44 | | | n.a. |
| S 8 | 23 54 | 28 40 | 4 46 | 24 18 | 1 11 | 15 43 | 0 7 | 13 40 | 0 34 | 22 45 | 0 25 | 11 40 | 1 52 | 16 1 | 0 11 | 19 37 | 1 1 | 11 2 | 14 13 | 8 7 | | 7 46 | | 27 45 | | | n.a. |
| S 9 | 23 52 | 28 4 | 4 59 | 23 57 | 1 3 | 15 17 | 0 2 | 13 25 | 0 33 | 22 44 | 0 25 | 11 41 | 1 52 | 16 2 | 0 11 | 19 37 | 1 1 | 11 3 | 14 14 | 8 1 | | 7 45 | | 27 46 | | | n.a. |
| M10 | 23 50 | 26 9 | 4 58 | 23 34 | 0 54 | 14 52 | 0n 4 | 13 9 | 0 32 | 22 43 | 0 25 | 11 43 | 1 53 | 16 3 | 0 11 | 19 38 | 1 1 | 11 3 | 14 14 | 7 56 | | 7 44 | | 27 47 | | | n.a. |
| T 11 | 23 48 | 23 1 | 4 44 | 23 9 | 0 44 | 14 26 | 0 9 | 12 54 | 0 31 | 22 43 | 0 26 | 11 44 | 1 53 | 16 4 | 0 11 | 19 38 | 1 1 | 11 3 | 14 14 | 7 51 | | 7 43 | | 27 48 | | | n.a. |
| W12 | 23 45 | 18 50 | 4 17 | 22 43 | 0 33 | 14 0 | 0 14 | 12 39 | 0 30 | 22 42 | 0 26 | 11 46 | 1 53 | 16 5 | 0 11 | 19 39 | 1 1 | 11 3 | 14 15 | 7 48 | | 7 41 | | 27 49 | | | n.a. |
| T 13 | 23 42 | 13 49 | 3 37 | 22 14 | 0 21 | 13 34 | 0 20 | 12 23 | 0 29 | 22 41 | 0 26 | 11 47 | 1 53 | 16 5 | 0 11 | 19 39 | 1 1 | 11 3 | 14 15 | 7 45 | | 7 40 | | 27 50 | | | n.a. |
| F 14 | 23 38 | 8 8 | 2 46 | 21 45 | 0 9 | 13 8 | 0 25 | 12 8 | 0 28 | 22 40 | 0 26 | 11 48 | 1 53 | 16 6 | 0 11 | 19 39 | 1 1 | 11 4 | 14 16 | 7 43 | | 7 39 | | 27 51 | | | n.a. |
| S 15 | 23 34 | 2 0 | 1 45 | 21 15 | 0n 3 | 12 41 | 0 31 | 11 52 | 0 27 | 22 39 | 0 26 | 11 50 | 1 53 | 16 7 | 0 11 | 19 40 | 1 1 | 11 4 | 14 16 | 7 42 | | 7 38 | | 27 52 | | | n.a. |
| S 16 | 23 29 | 4s22 | 0 37 | 20 44 | 0 17 | 12 15 | 0 37 | 11 36 | 0 27 | 22 38 | 0 26 | 11 51 | 1 53 | 16 8 | 0 11 | 19 40 | 1 1 | 11 4 | 14 17 | 7 42 | | 7 36 | | 27 53 | | | n.a. |
| M17 | 23 24 | 10 43 | 0s35 | 20 13 | 0 31 | 11 48 | 0 43 | 11 21 | 0 26 | 22 37 | 0 26 | 11 52 | 1 53 | 16 8 | 0 11 | 19 41 | 1 1 | 11 4 | 14 17 | 7 42 | | 7 35 | | 27 54 | | | n.a. |
| T 18 | 23 18 | 16 45 | 1 46 | 19 42 | 0 45 | 11 21 | 0 49 | 11 5 | 0 25 | 22 37 | 0 26 | 11 53 | 1 53 | 16 9 | 0 11 | 19 41 | 1 1 | 11 5 | 14 17 | 7 42 | | 7 34 | | 27 55 | | | n.a. |
| W19 | 23 12 | 22 2 | 2 53 | 19 12 | 1 0 | 10 54 | 0 55 | 10 49 | 0 24 | 22 36 | 0 26 | 11 55 | 1 54 | 16 10 | 0 11 | 19 41 | 1 1 | 11 5 | 14 18 | 7 41 | | 7 33 | | 27 56 | | | n.a. |
| T 20 | 23 6 | 26 4 | 3 51 | 18 42 | 1 15 | 10 26 | 1 1 | 10 33 | 0 23 | 22 35 | 0 26 | 11 56 | 1 54 | 16 10 | 0 11 | 19 42 | 1 1 | 11 5 | 14 18 | 7 38 | | 7 31 | | 27 57 | | | n.a. |
| F 21 | 22 59 | 28 20 | 4 33 | 18 13 | 1 30 | 9 59 | 1 7 | 10 17 | 0 22 | 22 34 | 0 27 | 11 57 | 1 54 | 16 11 | 0 11 | 19 42 | 1 1 | 11 6 | 14 19 | 7 35 | | 7 30 | | 27 58 | | | n.a. |
| S 22 | 22 51 | 28 30 | 4 56 | 17 46 | 1 46 | 9 32 | 1 13 | 10 1 | 0 22 | 22 34 | 0 27 | 11 58 | 1 54 | 16 12 | 0 11 | 19 42 | 1 1 | 11 6 | 14 19 | 7 31 | | 7 29 | | 27 59 | | | n.a. |
| S 23 | 22 44 | 26 32 | 4 58 | 17 21 | 2 1 | 9 4 | 1 20 | 9 45 | 0 21 | 22 33 | 0 27 | 11 59 | 1 54 | 16 12 | 0 10 | 19 43 | 1 1 | 11 7 | 14 20 | 7 26 | | 7 28 | | 28 0 | | | n.a. |
| M24 | 22 35 | 22 43 | 4 40 | 16 58 | 2 16 | 8 37 | 1 26 | 9 29 | 0 20 | 22 32 | 0 27 | 12 0 | 1 54 | 16 13 | 0 10 | 19 43 | 1 1 | 11 7 | 14 20 | 7 22 | | 7 27 | | 28 1 | | | n.a. |
| T 25 | 22 27 | 17 36 | 4 4 | 16 38 | 2 30 | 8 9 | 1 33 | 9 12 | 0 19 | 22 32 | 0 27 | 12 1 | 1 54 | 16 13 | 0 10 | 19 43 | 1 1 | 11 7 | 14 20 | 7 18 | | 7 25 | | 28 2 | | | n.a. |
| W26 | 22 18 | 11 41 | 3 14 | 16 20 | 2 44 | 7 42 | 1 39 | 8 56 | 0 18 | 22 31 | 0 27 | 12 2 | 1 54 | 16 14 | 0 10 | 19 44 | 1 1 | 11 8 | 14 21 | 7 15 | | 7 24 | | 28 3 | | | n.a. |
| T 27 | 22 8 | 5 25 | 2 14 | 16 5 | 2 57 | 7 14 | 1 46 | 8 40 | 0 17 | 22 30 | 0 27 | 12 3 | 1 54 | 16 15 | 0 10 | 19 44 | 1 1 | 11 8 | 14 21 | 7 14 | | 7 23 | | 28 4 | | | n.a. |
| F 28 | 21 58 | 0n53 | 1 9 | 15 53 | 3 9 | 6 47 | 1 53 | 8 23 | 0 17 | 22 30 | 0 27 | 12 4 | 1 55 | 16 15 | 0 10 | 19 44 | 1 1 | 11 9 | 14 22 | 7 13 | | 7 22 | | 28 5 | | | n.a. |
| S 29 | 21 48 | 6 57 | 0 3 | 15 45 | 3 20 | 6 19 | 1 59 | 8 7 | 0 16 | 22 29 | 0 27 | 12 5 | 1 55 | 16 16 | 0 10 | 19 45 | 1 1 | 11 9 | 14 22 | 7 13 | | 7 20 | | 28 6 | | | n.a. |
| S 30 | 21 38 | 12 36 | 1n 2 | 15 40 | 3 30 | 5 52 | 2 6 | 7 51 | 0 15 | 22 29 | 0 27 | 12 6 | 1 55 | 16 16 | 0 10 | 19 45 | 1 1 | 11 9 | 14 22 | 7 13 | | 7 19 | | 28 7 | | | n.a. |
| M31 | 21s27 | 17n39 | 2n 3 | 15s38 | 3n38 | 5s24 | 2n13 | 7s34 | 0s14 | 22n28 | 0n27 | 12s 7 | 1n55 | 16s17 | 0n10 | 19s45 | 1n 1 | 11n10 | 14n23 | 7n13 | | 7n18 | | 28n 8 | | | n.a. |

Julian Day Number = 1005533.5, Delta T = 12h46m07s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'49, Lahiri = -30°58'49 Julian Calendar 1 Jan. 1960 BCE == Greg. Calendar 15 Dec. 1961 BCE

The year -1959 astronomical counting style corresponds to year 1960 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## FEBRUARY 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 38 19 | 26♉37'58 | 23♉49 | 5°R29 | 12♓14 | 12♓17 | 7°R34 | 6♏27 | 14♏19 | 0♐55 | 4°R52 | 17°R59 | 18♈12 | 20♊44 | n.a. | T 1 |
| W 2 | 7 42 16 | 27°37'26 | 5♊39 | 4♒51 | 13° 7 | 12°58 | 7♊31 | 6°30 | 14°20 | 0°57 | 4♎52 | 17♈54 | 18° 9 | 20°50 | n.a. | W 2 |
| T 3 | 7 46 12 | 28°36'52 | 17°29 | 4° 8 | 13°59 | 13°39 | 7°28 | 6°33 | 14°22 | 0°58 | 4°51 | 17°46 | 18° 6 | 20°57 | n.a. | T 3 |
| F 4 | 7 50 9 | 29°36'16 | 29°21 | 3°21 | 14°51 | 14°19 | 7°25 | 6°35 | 14°23 | 1° 0 | 4°51 | 17°35 | 18° 3 | 21° 4 | n.a. | F 4 |
| S 5 | 7 54 5 | 0♒35'37 | 11♋18 | 2°30 | 15°41 | 15° 0 | 7°23 | 6°38 | 14°25 | 1° 1 | 4°51 | 17°22 | 18° 0 | 21°11 | n.a. | S 5 |
| S 6 | 7 58 2 | 1°34'56 | 23°22 | 1°37 | 16°31 | 15°40 | 7°20 | 6°40 | 14°26 | 1° 2 | 4°50 | 17° 9 | 17°56 | 21°17 | n.a. | S 6 |
| M 7 | 8 1 58 | 2°34'13 | 5♌35 | 0°44 | 17°20 | 16°21 | 7°18 | 6°42 | 14°28 | 1° 4 | 4°50 | 16°55 | 17°53 | 21°24 | n.a. | M 7 |
| T 8 | 8 5 55 | 3°33'27 | 17°56 | 29♉50 | 18° 9 | 17° 1 | 7°16 | 6°45 | 14°29 | 1° 5 | 4°49 | 16°43 | 17°50 | 21°31 | n.a. | T 8 |
| W 9 | 8 9 52 | 4°32'39 | 0♍27 | 28°58 | 18°56 | 17°41 | 7°14 | 6°47 | 14°30 | 1° 6 | 4°49 | 16°33 | 17°47 | 21°37 | n.a. | W 9 |
| T 10 | 8 13 48 | 5°31'49 | 13° 9 | 28° 8 | 19°43 | 18°22 | 7°13 | 6°49 | 14°32 | 1° 8 | 4°48 | 16°26 | 17°44 | 21°44 | n.a. | T 10 |
| F 11 | 8 17 45 | 6°30'57 | 26° 1 | 27°20 | 20°29 | 19° 2 | 7°12 | 6°51 | 14°33 | 1° 9 | 4°47 | 16°22 | 17°41 | 21°51 | n.a. | F 11 |
| S 12 | 8 21 41 | 7°30'03 | 9♎ 6 | 26°37 | 21°13 | 19°42 | 7°10 | 6°53 | 14°34 | 1°10 | 4°47 | 16°20 | 17°37 | 21°58 | n.a. | S 12 |
| S 13 | 8 25 38 | 8°29'07 | 22°25 | 25°58 | 21°57 | 20°23 | 7° 9 | 6°54 | 14°35 | 1°11 | 4°46 | 16°D20 | 17°34 | 22° 4 | n.a. | S 13 |
| M14 | 8 29 34 | 9°28'10 | 6♏ 1 | 25°24 | 22°40 | 21° 3 | 7° 9 | 6°56 | 14°36 | 1°12 | 4°45 | 16°R20 | 17°31 | 22°11 | n.a. | M14 |
| T 15 | 8 33 31 | 10°27'10 | 19°55 | 24°55 | 23°21 | 21°43 | 7° 8 | 6°58 | 14°37 | 1°13 | 4°44 | 16°20 | 17°28 | 22°18 | n.a. | T 15 |
| W16 | 8 37 27 | 11°26'08 | 4♐ 7 | 24°32 | 24° 2 | 22°23 | 7° 8 | 6°59 | 14°38 | 1°14 | 4°44 | 16°18 | 17°25 | 22°24 | n.a. | W16 |
| T 17 | 8 41 24 | 12°25'05 | 18°37 | 24°14 | 24°41 | 23° 3 | 7° 7 | 7° 1 | 14°39 | 1°15 | 4°43 | 16°14 | 17°21 | 22°31 | n.a. | T 17 |
| F 18 | 8 45 20 | 13°24'00 | 3♑20 | 24° 2 | 25°19 | 23°44 | 7°D 7 | 7° 2 | 14°40 | 1°16 | 4°42 | 16° 7 | 17°18 | 22°38 | n.a. | F 18 |
| S 19 | 8 49 17 | 14°22'52 | 18°10 | 23°55 | 25°56 | 24°24 | 7° 8 | 7° 3 | 14°41 | 1°17 | 4°41 | 15°58 | 17°15 | 22°45 | n.a. | S 19 |
| S 20 | 8 53 14 | 15°21'43 | 3♒ 0 | 23°D55 | 26°32 | 25° 4 | 7° 8 | 7° 4 | 14°41 | 1°18 | 4°40 | 15°49 | 17°12 | 22°51 | n.a. | S 20 |
| M21 | 8 57 10 | 16°20'31 | 17°40 | 23°59 | 27° 6 | 25°44 | 7° 9 | 7° 5 | 14°42 | 1°19 | 4°39 | 15°40 | 17° 9 | 22°58 | n.a. | M21 |
| T 22 | 9 1 7 | 17°19'18 | 2♓ 4 | 24° 9 | 27°39 | 26°24 | 7° 9 | 7° 6 | 14°43 | 1°20 | 4°38 | 15°32 | 17° 6 | 23° 5 | n.a. | T 22 |
| W23 | 9 5 3 | 18°18'02 | 16° 4 | 24°23 | 28°10 | 27° 4 | 7°10 | 7° 7 | 14°43 | 1°21 | 4°37 | 15°26 | 17° 2 | 23°11 | n.a. | W23 |
| T 24 | 9 9 0 | 19°16'43 | 29°39 | 24°43 | 28°40 | 27°44 | 7°11 | 7° 8 | 14°44 | 1°22 | 4°36 | 15°23 | 16°59 | 23°18 | n.a. | T 24 |
| F 25 | 9 12 56 | 20°15'23 | 12♈48 | 25° 7 | 29° 9 | 28°24 | 7°13 | 7° 8 | 14°44 | 1°23 | 4°35 | 15°D21 | 16°56 | 23°25 | n.a. | F 25 |
| S 26 | 9 16 53 | 21°13'59 | 25°33 | 25°36 | 29°35 | 29° 4 | 7°14 | 7° 9 | 14°45 | 1°23 | 4°34 | 15°22 | 16°53 | 23°32 | n.a. | S 26 |
| S 27 | 9 20 49 | 22°12'34 | 7♉57 | 26° 9 | 0♈ 0 | 29°44 | 7°16 | 7° 9 | 14°45 | 1°24 | 4°33 | 15°23 | 16°50 | 23°38 | n.a. | S 27 |
| M28 | 9 24 46 | 23♒11'06 | 20♉ 6 | 26♉46 | 0♈24 | 0♈23 | 7♊18 | 7♏10 | 14♏45 | 1♐25 | 4♎32 | 15°R24 | 16♈47 | 23♊45 | n.a. | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s15 | 21n57 | 2n57 | 15s39 | 3n45 | 4s57 | 2n20 | 7s18 | 0s14 | 22n28 | 0n27 | 12s 8 | 1n55 | 16s17 | 0n10 | 19s46 | 1n 1 | 11n10 | 14n23 | 7n12 | 7n17 | 28n 9 | | n.a. |
| W 2 | 21 3 | 25 20 | 3 43 | 15 43 | 3 50 | 4 30 | 2 27 | 7 1 | 0 13 | 22 27 | 0 28 | 12 9 | 1 55 | 16 18 | 0 10 | 19 46 | 1 1 | 11 11 | 14 24 | 7 9 | 7 15 | 28 10 | | n.a. |
| T 3 | 20 51 | 27 38 | 4 20 | 15 51 | 3 53 | 4 3 | 2 34 | 6 44 | 0 12 | 22 27 | 0 28 | 12 10 | 1 55 | 16 18 | 0 10 | 19 46 | 1 1 | 11 11 | 14 24 | 7 6 | 7 14 | 28 11 | | n.a. |
| F 4 | 20 39 | 28 41 | 4 45 | 16 1 | 3 54 | 3 37 | 2 42 | 6 28 | 0 11 | 22 27 | 0 28 | 12 10 | 1 56 | 16 19 | 0 10 | 19 46 | 1 1 | 11 12 | 14 24 | 7 2 | 7 13 | 28 11 | | n.a. |
| S 5 | 20 26 | 28 23 | 4 58 | 16 13 | 3 53 | 3 10 | 2 49 | 6 11 | 0 10 | 22 26 | 0 28 | 12 11 | 1 56 | 16 19 | 0 10 | 19 47 | 1 1 | 11 12 | 14 25 | 6 57 | 7 12 | 28 12 | | n.a. |
| S 6 | 20 12 | 26 45 | 4 58 | 16 27 | 3 50 | 2 44 | 2 56 | 5 55 | 0 10 | 22 26 | 0 28 | 12 12 | 1 56 | 16 20 | 0 10 | 19 47 | 1 1 | 11 13 | 14 25 | 6 52 | 7 11 | 28 13 | | n.a. |
| M 7 | 19 59 | 23 51 | 4 45 | 16 43 | 3 46 | 2 17 | 3 3 | 5 38 | 0 9 | 22 26 | 0 28 | 12 12 | 1 56 | 16 20 | 0 10 | 19 47 | 1 1 | 11 14 | 14 25 | 6 47 | 7 9 | 28 14 | | n.a. |
| T 8 | 19 45 | 19 50 | 4 17 | 17 1 | 3 40 | 1 52 | 3 11 | 5 21 | 0 8 | 22 25 | 0 28 | 12 13 | 1 56 | 16 20 | 0 10 | 19 47 | 1 1 | 11 14 | 14 26 | 6 42 | 7 8 | 28 15 | | n.a. |
| W 9 | 19 31 | 14 55 | 3 38 | 17 20 | 3 32 | 1 26 | 3 18 | 5 4 | 0 8 | 22 25 | 0 28 | 12 14 | 1 56 | 16 21 | 0 10 | 19 48 | 1 1 | 11 15 | 14 26 | 6 38 | 7 7 | 28 16 | | n.a. |
| T 10 | 19 16 | 9 18 | 2 46 | 17 39 | 3 22 | 1 0 | 3 26 | 4 48 | 0 7 | 22 25 | 0 28 | 12 14 | 1 56 | 16 21 | 0 10 | 19 48 | 1 1 | 11 15 | 14 27 | 6 35 | 7 6 | 28 17 | | n.a. |
| F 11 | 19 1 | 3 14 | 1 46 | 17 59 | 3 12 | 0 35 | 3 33 | 4 31 | 0 6 | 22 25 | 0 28 | 12 15 | 1 56 | 16 22 | 0 10 | 19 48 | 1 1 | 11 16 | 14 27 | 6 34 | 7 4 | 28 17 | | n.a. |
| S 12 | 18 46 | 3s 5 | 0 38 | 18 19 | 3 0 | 0 11 | 3 41 | 4 14 | 0 5 | 22 25 | 0 28 | 12 15 | 1 57 | 16 22 | 0 10 | 19 48 | 1 1 | 11 16 | 14 27 | 6 33 | 7 3 | 28 18 | | n.a. |
| S 13 | 18 30 | 9 24 | 0s32 | 18 39 | 2 47 | 0n14 | 3 48 | 3 57 | 0 5 | 22 24 | 0 28 | 12 16 | 1 57 | 16 22 | 0 10 | 19 49 | 1 1 | 11 17 | 14 28 | 6 33 | 7 2 | 28 19 | | n.a. |
| M14 | 18 14 | 15 24 | 1 43 | 18 59 | 2 33 | 0 38 | 3 56 | 3 41 | 0 4 | 22 24 | 0 28 | 12 16 | 1 57 | 16 23 | 0 10 | 19 49 | 1 1 | 11 18 | 14 28 | 6 33 | 7 1 | 28 20 | | n.a. |
| T 15 | 17 58 | 20 46 | 2 49 | 19 18 | 2 19 | 1 1 | 4 3 | 3 24 | 0 3 | 22 24 | 0 28 | 12 16 | 1 57 | 16 23 | 0 10 | 19 49 | 1 1 | 11 18 | 14 28 | 6 33 | 6 59 | 28 21 | | n.a. |
| W16 | 17 42 | 25 5 | 3 45 | 19 36 | 2 5 | 1 25 | 4 11 | 3 7 | 0 2 | 22 24 | 0 28 | 12 17 | 1 57 | 16 23 | 0 10 | 19 49 | 1 1 | 11 19 | 14 29 | 6 32 | 6 58 | 28 21 | | n.a. |
| T 17 | 17 25 | 27 54 | 4 29 | 19 54 | 1 50 | 1 47 | 4 19 | 2 50 | 0 2 | 22 24 | 0 28 | 12 17 | 1 57 | 16 23 | 0 10 | 19 49 | 1 2 | 11 19 | 14 29 | 6 30 | 6 57 | 28 22 | | n.a. |
| F 18 | 17 8 | 28 49 | 4 56 | 20 10 | 1 35 | 2 10 | 4 26 | 2 33 | 0 1 | 22 24 | 0 28 | 12 17 | 1 57 | 16 24 | 0 10 | 19 50 | 1 2 | 11 20 | 14 29 | 6 28 | 6 56 | 28 23 | | n.a. |
| S 19 | 16 51 | 27 40 | 5 3 | 20 26 | 1 20 | 2 31 | 4 34 | 2 17 | 0 0 | 22 24 | 0 29 | 12 18 | 1 58 | 16 24 | 0 10 | 19 50 | 1 2 | 11 21 | 14 30 | 6 24 | 6 54 | 28 24 | | n.a. |
| S 20 | 16 33 | 24 35 | 4 50 | 20 41 | 1 6 | 2 53 | 4 41 | 2 0 | 0n 0 | 22 25 | 0 29 | 12 18 | 1 58 | 16 24 | 0 10 | 19 50 | 1 2 | 11 21 | 14 30 | 6 21 | 6 53 | 28 24 | | n.a. |
| M21 | 16 15 | 19 56 | 4 18 | 20 54 | 0 51 | 3 13 | 4 49 | 1 43 | 0 1 | 22 25 | 0 29 | 12 18 | 1 58 | 16 24 | 0 10 | 19 50 | 1 2 | 11 22 | 14 30 | 6 17 | 6 52 | 28 25 | | n.a. |
| T 22 | 15 57 | 14 12 | 3 30 | 21 6 | 0 37 | 3 34 | 4 56 | 1 26 | 0 2 | 22 25 | 0 29 | 12 18 | 1 58 | 16 25 | 0 10 | 19 50 | 1 2 | 11 23 | 14 31 | 6 14 | 6 51 | 28 26 | | n.a. |
| W23 | 15 39 | 7 54 | 2 30 | 21 17 | 0 23 | 3 53 | 5 4 | 1 9 | 0 2 | 22 25 | 0 29 | 12 18 | 1 58 | 16 25 | 0 10 | 19 50 | 1 2 | 11 23 | 14 31 | 6 12 | 6 49 | 28 27 | | n.a. |
| T 24 | 15 20 | 1 24 | 1 23 | 21 27 | 0 10 | 4 12 | 5 11 | 0 52 | 0 3 | 22 25 | 0 29 | 12 18 | 1 58 | 16 25 | 0 10 | 19 51 | 1 2 | 11 24 | 14 31 | 6 10 | 6 48 | 28 27 | | n.a. |
| F 25 | 15 2 | 4n57 | 0 14 | 21 35 | 0s 3 | 4 30 | 5 18 | 0 36 | 0 4 | 22 26 | 0 29 | 12 19 | 1 58 | 16 25 | 0 10 | 19 51 | 1 2 | 11 25 | 14 32 | 6 10 | 6 47 | 28 28 | | n.a. |
| S 26 | 14 42 | 10 55 | 0n54 | 21 42 | 0 16 | 4 48 | 5 26 | 0 19 | 0 4 | 22 26 | 0 29 | 12 19 | 1 59 | 16 25 | 0 10 | 19 51 | 1 2 | 11 25 | 14 32 | 6 10 | 6 46 | 28 29 | | n.a. |
| S 27 | 14 23 | 16 18 | 1 58 | 21 48 | 0 28 | 5 4 | 5 33 | 0 2 | 0 5 | 22 26 | 0 29 | 12 19 | 1 59 | 16 25 | 0 10 | 19 51 | 1 2 | 11 26 | 14 32 | 6 10 | 6 45 | 28 30 | | n.a. |
| M28 | 14s 4 | 20n56 | 2n55 | 21s52 | 0s39 | 5n20 | 5n40 | 0n15 | 0n 6 | 22n27 | 0n29 | 12s19 | 1n59 | 16s25 | 0n10 | 19s51 | 1n 2 | 11n27 | 14n32 | 6n11 | 6n43 | 28n30 | | n.a. |

Julian Day Number = 1005564.5, Delta T = 12h46m05s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'45, Lahiri = -30°58'44 Julian Calendar 1 Feb. 1960 BCE == Greg. Calendar 15 Jan. 1960 BCE


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## MARCH 1960 BCE (-1959) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 28 42 | 24♒ 9'36 | 2♊ 3 | 27♉27 | 0♈45 | 1♈ 3 | 7♊20 | 7♏10 | 14♏46 | 1♐25 | 4°R31 | 15°R23 | 16♈43 | 23♊52 | n.a. | T 1 |
| W 2 | 9 32 39 | 25° 8'04 | 13°55 | 28°11 | 1° 5 | 1°43 | 7°22 | 7°10 | 14°46 | 1°26 | 4♎30 | 15♈21 | 16°40 | 23°58 | n.a. | W 2 |
| T 3 | 9 36 36 | 26° 6'29 | 25°47 | 28°59 | 1°22 | 2°23 | 7°24 | 7°R10 | 14°46 | 1°27 | 4°29 | 15°17 | 16°37 | 24° 5 | n.a. | T 3 |
| F 4 | 9 40 32 | 27° 4'53 | 7♋41 | 29°51 | 1°38 | 3° 3 | 7°27 | 7°10 | 14°46 | 1°27 | 4°28 | 15°11 | 16°34 | 24°12 | n.a. | F 4 |
| S 5 | 9 44 29 | 28° 3'13 | 19°43 | 0♒45 | 1°52 | 3°42 | 7°30 | 7°10 | 14°46 | 1°28 | 4°26 | 15° 4 | 16°31 | 24°19 | n.a. | S 5 |
| S 6 | 9 48 25 | 29° 1'32 | 1♌55 | 1°43 | 2° 3 | 4°22 | 7°33 | 7° 9 | 14°R46 | 1°28 | 4°25 | 14°55 | 16°27 | 24°25 | n.a. | S 6 |
| M 7 | 9 52 22 | 29°59'49 | 14°18 | 2°43 | 2°13 | 5° 2 | 7°36 | 7° 9 | 14°46 | 1°29 | 4°24 | 14°47 | 16°24 | 24°32 | n.a. | M 7 |
| T 8 | 9 56 18 | 0♓58'03 | 26°53 | 3°46 | 2°20 | 5°41 | 7°39 | 7° 9 | 14°46 | 1°29 | 4°22 | 14°39 | 16°21 | 24°39 | n.a. | T 8 |
| W 9 | 10 0 15 | 1°56'16 | 9♍41 | 4°52 | 2°25 | 6°21 | 7°42 | 7° 8 | 14°46 | 1°30 | 4°21 | 14°33 | 16°18 | 24°45 | n.a. | W 9 |
| T 10 | 10 4 11 | 2°54'26 | 22°42 | 6° 1 | 2°27 | 7° 0 | 7°46 | 7° 7 | 14°46 | 1°30 | 4°20 | 14°29 | 16°15 | 24°52 | n.a. | T 10 |
| F 11 | 10 8 8 | 3°52'35 | 5♎55 | 7°12 | 2°R27 | 7°40 | 7°50 | 7° 7 | 14°46 | 1°30 | 4°18 | 14°27 | 16°12 | 24°59 | n.a. | F 11 |
| S 12 | 10 12 4 | 4°50'42 | 19°20 | 8°25 | 2°25 | 8°19 | 7°54 | 7° 6 | 14°45 | 1°31 | 4°17 | 14°D27 | 16° 8 | 25° 6 | n.a. | S 12 |
| S 13 | 10 16 1 | 5°48'47 | 2♏56 | 9°40 | 2°20 | 8°59 | 7°58 | 7° 5 | 14°45 | 1°31 | 4°16 | 14°28 | 16° 5 | 25°12 | n.a. | S 13 |
| M14 | 10 19 58 | 6°46'51 | 16°44 | 10°58 | 2°13 | 9°38 | 8° 2 | 7° 4 | 14°45 | 1°31 | 4°14 | 14°29 | 16° 2 | 25°19 | n.a. | M14 |
| T 15 | 10 23 54 | 7°44'53 | 0♐42 | 12°18 | 2° 4 | 10°18 | 8° 7 | 7° 3 | 14°44 | 1°31 | 4°13 | 14°31 | 15°59 | 25°26 | n.a. | T 15 |
| W16 | 10 27 51 | 8°42'53 | 14°50 | 13°41 | 1°52 | 10°57 | 8°11 | 7° 2 | 14°44 | 1°31 | 4°11 | 14°R31 | 15°56 | 25°32 | n.a. | W16 |
| T 17 | 10 31 47 | 9°40'53 | 29° 7 | 15° 5 | 1°37 | 11°37 | 8°16 | 7° 0 | 14°43 | 1°32 | 4°10 | 14°29 | 15°52 | 25°39 | n.a. | T 17 |
| F 18 | 10 35 44 | 10°38'51 | 13♑29 | 16°31 | 1°20 | 12°16 | 8°21 | 6°59 | 14°42 | 1°32 | 4° 9 | 14°26 | 15°49 | 25°46 | n.a. | F 18 |
| S 19 | 10 39 40 | 11°36'47 | 27°54 | 18° 0 | 1° 1 | 12°56 | 8°26 | 6°57 | 14°42 | 1°32 | 4° 7 | 14°22 | 15°46 | 25°53 | n.a. | S 19 |
| S 20 | 10 43 37 | 12°34'42 | 12♒16 | 19°30 | 0°40 | 13°35 | 8°31 | 6°56 | 14°41 | 1°32 | 4° 6 | 14°18 | 15°43 | 25°59 | n.a. | S 20 |
| M21 | 10 47 33 | 13°32'35 | 26°30 | 21° 3 | 0°16 | 14°14 | 8°37 | 6°54 | 14°40 | 1°R32 | 4° 4 | 14°13 | 15°40 | 26° 6 | n.a. | M21 |
| T 22 | 10 51 30 | 14°30'26 | 10♓31 | 22°37 | 29♓50 | 14°53 | 8°42 | 6°52 | 14°40 | 1°32 | 4° 2 | 14° 9 | 15°37 | 26°13 | n.a. | T 22 |
| W23 | 10 55 27 | 15°28'16 | 24°15 | 24°14 | 29°23 | 15°33 | 8°48 | 6°51 | 14°39 | 1°32 | 4° 1 | 14° 6 | 15°33 | 26°19 | n.a. | W23 |
| T 24 | 10 59 23 | 16°26'04 | 7♈39 | 25°52 | 28°53 | 16°12 | 8°54 | 6°49 | 14°38 | 1°32 | 3°59 | 14° 5 | 15°30 | 26°26 | n.a. | T 24 |
| F 25 | 11 3 20 | 17°23'50 | 20°42 | 27°32 | 28°21 | 16°51 | 9° 0 | 6°47 | 14°37 | 1°31 | 3°58 | 14°D 5 | 15°27 | 26°33 | n.a. | F 25 |
| S 26 | 11 7 16 | 18°21'35 | 3♉24 | 29°15 | 27°48 | 17°30 | 9° 6 | 6°44 | 14°36 | 1°31 | 3°56 | 14° 6 | 15°24 | 26°40 | n.a. | S 26 |
| S 27 | 11 11 13 | 19°19'18 | 15°49 | 0♓59 | 27°14 | 18°10 | 9°12 | 6°42 | 14°35 | 1°31 | 3°55 | 14° 8 | 15°21 | 26°46 | n.a. | S 27 |
| M28 | 11 15 9 | 20°16'59 | 28° 0 | 2°45 | 26°39 | 18°49 | 9°19 | 6°40 | 14°34 | 1°31 | 3°53 | 14° 9 | 15°18 | 26°53 | n.a. | M28 |
| T 29 | 11 19 6 | 21°14'38 | 10♊ 0 | 4°33 | 26° 2 | 19°28 | 9°25 | 6°38 | 14°33 | 1°31 | 3°51 | 14°10 | 15°14 | 27° 0 | n.a. | T 29 |
| W30 | 11 23 2 | 22°12'16 | 21°54 | 6°23 | 25°25 | 20° 7 | 9°32 | 6°35 | 14°32 | 1°30 | 3°50 | 14°R11 | 15°11 | 27° 6 | n.a. | W30 |
| T 31 | 11 26 59 | 23♓ 9'52 | 3♋46 | 8♓15 | 24♓47 | 20♈46 | 9♊39 | 6♏33 | 14♏31 | 1♐30 | 3♎48 | 14♈10 | 15♈ 8 | 27♊13 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 13s44 | 24n39 | 3n44 | 21s55 | 0s50 | 5n35 | 5n47 | 0n31 | 0n 6 | 22n27 | 0n29 | 12s19 | 1n59 | 16s25 | 0n10 | 19s51 | 1n 2 | 11n27 | 14n33 | 6n11 | 6n42 | 28n31 | | | n.a. |
| W 2 | 13 24 | 27 16 | 4 22 | 21 56 | 1 1 | 5 49 | 5 54 | 0 48 | 0 7 | 22 27 | 0 29 | 12 18 | 1 59 | 16 25 | 0 10 | 19 51 | 1 2 | 11 28 | 14 33 | 6 10 | 6 41 | 28 32 | | | n.a. |
| T 3 | 13 4 | 28 41 | 4 50 | 21 55 | 1 10 | 6 3 | 6 0 | 1 5 | 0 8 | 22 28 | 0 29 | 12 18 | 1 59 | 16 26 | 0 10 | 19 51 | 1 2 | 11 29 | 14 33 | 6 8 | 6 40 | 28 32 | | | n.a. |
| F 4 | 12 44 | 28 45 | 5 4 | 21 53 | 1 20 | 6 15 | 6 7 | 1 22 | 0 8 | 22 28 | 0 29 | 12 18 | 1 59 | 16 26 | 0 10 | 19 52 | 1 2 | 11 30 | 14 33 | 6 6 | 6 38 | 28 33 | | | n.a. |
| S 5 | 12 23 | 27 29 | 5 6 | 21 50 | 1 28 | 6 26 | 6 13 | 1 38 | 0 9 | 22 29 | 0 29 | 12 18 | 2 0 | 16 26 | 0 10 | 19 52 | 1 2 | 11 30 | 14 34 | 6 3 | 6 37 | 28 33 | | | n.a. |
| S 6 | 12 3 | 24 54 | 4 54 | 21 45 | 1 37 | 6 36 | 6 19 | 1 55 | 0 10 | 22 29 | 0 29 | 12 18 | 2 0 | 16 26 | 0 10 | 19 52 | 1 2 | 11 31 | 14 34 | 6 0 | 6 36 | 28 34 | | | n.a. |
| M 7 | 11 42 | 21 8 | 4 28 | 21 38 | 1 44 | 6 46 | 6 25 | 2 12 | 0 10 | 22 30 | 0 29 | 12 18 | 2 0 | 16 26 | 0 10 | 19 52 | 1 2 | 11 32 | 14 34 | 5 56 | 6 35 | 28 35 | | | n.a. |
| T 8 | 11 21 | 16 22 | 3 48 | 21 30 | 1 51 | 6 54 | 6 31 | 2 28 | 0 11 | 22 30 | 0 29 | 12 17 | 2 0 | 16 26 | 0 10 | 19 52 | 1 2 | 11 32 | 14 34 | 5 53 | 6 33 | 28 35 | | | n.a. |
| W 9 | 11 0 | 10 49 | 2 57 | 21 20 | 1 58 | 7 0 | 6 36 | 2 45 | 0 11 | 22 31 | 0 29 | 12 17 | 2 0 | 16 26 | 0 10 | 19 52 | 1 2 | 11 33 | 14 34 | 5 51 | 6 32 | 28 36 | | | n.a. |
| T 10 | 10 39 | 4 42 | 1 55 | 21 8 | 2 4 | 7 6 | 6 41 | 3 1 | 0 12 | 22 32 | 0 29 | 12 17 | 2 0 | 16 25 | 0 10 | 19 52 | 1 2 | 11 34 | 14 35 | 5 49 | 6 31 | 28 37 | | | n.a. |
| F 11 | 10 17 | 1s42 | 0 46 | 20 55 | 2 9 | 7 10 | 6 46 | 3 18 | 0 13 | 22 32 | 0 29 | 12 16 | 2 0 | 16 25 | 0 10 | 19 52 | 1 2 | 11 34 | 14 35 | 5 49 | 6 30 | 28 37 | | | n.a. |
| S 12 | 9 56 | 8 7 | 0s27 | 20 40 | 2 14 | 7 13 | 6 50 | 3 34 | 0 13 | 22 33 | 0 29 | 12 16 | 2 0 | 16 25 | 0 10 | 19 52 | 1 2 | 11 35 | 14 35 | 5 48 | 6 28 | 28 38 | | | n.a. |
| S 13 | 9 34 | 14 17 | 1 39 | 20 24 | 2 18 | 7 15 | 6 54 | 3 51 | 0 14 | 22 34 | 0 29 | 12 15 | 2 1 | 16 25 | 0 10 | 19 52 | 1 2 | 11 36 | 14 35 | 5 49 | 6 27 | 28 38 | | | n.a. |
| M14 | 9 12 | 19 49 | 2 46 | 20 5 | 2 21 | 7 15 | 6 57 | 4 7 | 0 15 | 22 35 | 0 29 | 12 15 | 2 1 | 16 25 | 0 10 | 19 52 | 1 2 | 11 37 | 14 35 | 5 49 | 6 26 | 28 39 | | | n.a. |
| T 15 | 8 50 | 24 22 | 3 45 | 19 45 | 2 24 | 7 14 | 7 0 | 4 23 | 0 15 | 22 35 | 0 29 | 12 14 | 2 1 | 16 25 | 0 10 | 19 52 | 1 2 | 11 37 | 14 36 | 5 50 | 6 25 | 28 39 | | | n.a. |
| W16 | 8 28 | 27 31 | 4 31 | 19 24 | 2 27 | 7 11 | 7 2 | 4 40 | 0 16 | 22 36 | 0 30 | 12 14 | 2 1 | 16 25 | 0 10 | 19 52 | 1 2 | 11 38 | 14 36 | 5 50 | 6 23 | 28 40 | | | n.a. |
| T 17 | 8 6 | 28 55 | 5 0 | 19 0 | 2 29 | 7 7 | 7 4 | 4 56 | 0 16 | 22 37 | 0 30 | 12 13 | 2 1 | 16 25 | 0 10 | 19 52 | 1 2 | 11 39 | 14 36 | 5 49 | 6 22 | 28 41 | | | n.a. |
| F 18 | 7 43 | 28 23 | 5 11 | 18 35 | 2 30 | 7 1 | 7 6 | 5 12 | 0 17 | 22 38 | 0 30 | 12 13 | 2 1 | 16 25 | 0 10 | 19 52 | 1 2 | 11 40 | 14 36 | 5 48 | 6 21 | 28 41 | | | n.a. |
| S 19 | 7 21 | 25 56 | 5 3 | 18 8 | 2 31 | 6 54 | 7 6 | 5 28 | 0 17 | 22 39 | 0 30 | 12 12 | 2 1 | 16 24 | 0 10 | 19 52 | 1 2 | 11 40 | 14 36 | 5 47 | 6 20 | 28 42 | | | n.a. |
| S 20 | 6 58 | 21 51 | 4 35 | 17 39 | 2 31 | 6 46 | 7 6 | 5 44 | 0 18 | 22 39 | 0 30 | 12 12 | 2 1 | 16 24 | 0 10 | 19 52 | 1 2 | 11 41 | 14 36 | 5 45 | 6 18 | 28 42 | | | n.a. |
| M21 | 6 36 | 16 32 | 3 51 | 17 8 | 2 30 | 6 35 | 7 6 | 6 1 | 0 19 | 22 40 | 0 30 | 12 11 | 2 2 | 16 24 | 0 10 | 19 52 | 1 2 | 11 42 | 14 36 | 5 43 | 6 17 | 28 43 | | | n.a. |
| T 22 | 6 13 | 10 26 | 2 53 | 16 36 | 2 29 | 6 24 | 7 4 | 6 17 | 0 19 | 22 41 | 0 30 | 12 10 | 2 2 | 16 24 | 0 10 | 19 52 | 1 2 | 11 42 | 14 37 | 5 41 | 6 16 | 28 43 | | | n.a. |
| W23 | 5 50 | 3 57 | 1 46 | 16 2 | 2 28 | 6 11 | 7 2 | 6 33 | 0 20 | 22 42 | 0 30 | 12 10 | 2 2 | 16 23 | 0 10 | 19 52 | 1 2 | 11 43 | 14 37 | 5 40 | 6 15 | 28 44 | | | n.a. |
| T 24 | 5 27 | 2n33 | 0 35 | 15 26 | 2 26 | 5 56 | 7 0 | 6 48 | 0 20 | 22 43 | 0 30 | 12 9 | 2 2 | 16 23 | 0 10 | 19 52 | 1 2 | 11 44 | 14 37 | 5 40 | 6 13 | 28 44 | | | n.a. |
| F 25 | 5 5 | 8 48 | 0n36 | 14 48 | 2 23 | 5 40 | 6 56 | 7 4 | 0 21 | 22 44 | 0 30 | 12 8 | 2 2 | 16 23 | 0 10 | 19 52 | 1 2 | 11 44 | 14 37 | 5 40 | 6 12 | 28 45 | | | n.a. |
| S 26 | 4 42 | 14 32 | 1 44 | 14 8 | 2 19 | 5 23 | 6 52 | 7 20 | 0 21 | 22 45 | 0 30 | 12 7 | 2 2 | 16 23 | 0 10 | 19 52 | 1 2 | 11 45 | 14 37 | 5 40 | 6 11 | 28 45 | | | n.a. |
| S 27 | 4 19 | 19 32 | 2 45 | 13 27 | 2 16 | 5 4 | 6 47 | 7 36 | 0 22 | 22 46 | 0 30 | 12 6 | 2 2 | 16 22 | 0 10 | 19 52 | 1 2 | 11 46 | 14 37 | 5 41 | 6 10 | 28 46 | | | n.a. |
| M28 | 3 55 | 23 39 | 3 38 | 12 44 | 2 11 | 4 45 | 6 41 | 7 52 | 0 23 | 22 47 | 0 30 | 12 6 | 2 2 | 16 22 | 0 10 | 19 52 | 1 2 | 11 47 | 14 37 | 5 41 | 6 8 | 28 46 | | | n.a. |
| T 29 | 3 32 | 26 41 | 4 20 | 11 59 | 2 6 | 4 24 | 6 34 | 8 7 | 0 23 | 22 48 | 0 30 | 12 5 | 2 2 | 16 22 | 0 10 | 19 52 | 1 2 | 11 47 | 14 37 | 5 42 | 6 7 | 28 46 | | | n.a. |
| W30 | 3 9 | 28 31 | 4 51 | 11 12 | 2 1 | 4 2 | 6 27 | 8 23 | 0 24 | 22 49 | 0 30 | 12 4 | 2 2 | 16 21 | 0 10 | 19 52 | 1 2 | 11 48 | 14 37 | 5 42 | 6 6 | 28 47 | | | n.a. |
| T 31 | 2s46 | 29n 1 | 5n 9 | 10s24 | 1s54 | 3n39 | 6n18 | 8n38 | 0n24 | 22n50 | 0n30 | 12s 3 | 2n 3 | 16s21 | 0n10 | 19s52 | 1n 2 | 11n49 | 14n37 | 5n42 | 6n 5 | 28n47 | | | n.a. |

Julian Day Number = 1005592.5, Delta T = 12h46m03s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'41, Lahiri = -30°58'41 Julian Calendar 1 March 1960 BCE == Greg. Calendar 12 Feb. 1960 BCE

The year -1959 astronomical counting style corresponds to year 1960 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## APRIL 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 30 55 | 24♓ 7'26 | 15♋43 | 10♓ 9 | 24°R 9 | 21♈25 | 9♊46 | 6°R30 | 14°R29 | 1°R30 | 3°R47 | 14°R 9 | 15♈ 5 | 27♊20 | n.a. | F 1 |
| S 2 | 11 34 52 | 25° 4'59 | 27°47 | 12° 5 | 23♓31 | 22° 4 | 9°53 | 6♏27 | 14♏28 | 1♐29 | 3♎45 | 14♈ 7 | 15° 2 | 27°27 | n.a. | S 2 |
| S 3 | 11 38 49 | 26° 2'30 | 10♌ 3 | 14° 3 | 22°53 | 22°43 | 10° 0 | 6°25 | 14°27 | 1°29 | 3°43 | 14° 5 | 14°58 | 27°33 | n.a. | S 3 |
| M 4 | 11 42 45 | 26°59'59 | 22°34 | 16° 3 | 22°15 | 23°22 | 10° 8 | 6°22 | 14°26 | 1°28 | 3°42 | 14° 2 | 14°55 | 27°40 | n.a. | M 4 |
| T 5 | 11 46 42 | 27°57'27 | 5♍20 | 18° 4 | 21°39 | 24° 1 | 10°15 | 6°19 | 14°24 | 1°28 | 3°40 | 14° 0 | 14°52 | 27°47 | n.a. | T 5 |
| W 6 | 11 50 38 | 28°54'53 | 18°25 | 20° 7 | 21° 3 | 24°40 | 10°23 | 6°16 | 14°23 | 1°27 | 3°38 | 13°58 | 14°49 | 27°53 | n.a. | W 6 |
| T 7 | 11 54 35 | 29°52'18 | 1♎46 | 22°12 | 20°28 | 25°19 | 10°31 | 6°13 | 14°21 | 1°27 | 3°37 | 13°57 | 14°46 | 28° 0 | n.a. | T 7 |
| F 8 | 11 58 31 | 0♈49'42 | 15°23 | 24°18 | 19°55 | 25°58 | 10°39 | 6°10 | 14°20 | 1°26 | 3°35 | 13°D57 | 14°43 | 28° 7 | n.a. | F 8 |
| S 9 | 12 2 28 | 1°47'05 | 29°13 | 26°26 | 19°24 | 26°37 | 10°47 | 6° 7 | 14°18 | 1°26 | 3°33 | 13°57 | 14°39 | 28°14 | n.a. | S 9 |
| S 10 | 12 6 24 | 2°44'27 | 13♏15 | 28°35 | 18°54 | 27°16 | 10°55 | 6° 4 | 14°17 | 1°25 | 3°32 | 13°58 | 14°36 | 28°20 | n.a. | S 10 |
| M11 | 12 10 21 | 3°41'47 | 27°24 | 0♈45 | 18°26 | 27°55 | 11° 3 | 6° 0 | 14°15 | 1°24 | 3°30 | 13°59 | 14°33 | 28°27 | n.a. | M11 |
| T 12 | 12 14 18 | 4°39'07 | 11♐38 | 2°55 | 18° 0 | 28°33 | 11°11 | 5°57 | 14°13 | 1°24 | 3°28 | 13°59 | 14°30 | 28°34 | n.a. | T 12 |
| W13 | 12 18 14 | 5°36'27 | 25°54 | 5° 6 | 17°36 | 29°12 | 11°20 | 5°53 | 14°12 | 1°23 | 3°27 | 14° 0 | 14°27 | 28°40 | n.a. | W13 |
| T 14 | 12 22 11 | 6°33'45 | 10♑ 8 | 7°18 | 17°14 | 29°51 | 11°29 | 5°50 | 14°10 | 1°22 | 3°25 | 14°R 0 | 14°24 | 28°47 | n.a. | T 14 |
| F 15 | 12 26 7 | 7°31'03 | 24°19 | 9°29 | 16°55 | 0♉30 | 11°37 | 5°46 | 14° 8 | 1°22 | 3°23 | 14° 0 | 14°20 | 28°54 | n.a. | F 15 |
| S 16 | 12 30 4 | 8°28'20 | 8♒24 | 11°40 | 16°38 | 1° 9 | 11°46 | 5°43 | 14° 6 | 1°21 | 3°22 | 13°59 | 14°17 | 29° 1 | n.a. | S 16 |
| S 17 | 12 34 0 | 9°25'37 | 22°21 | 13°51 | 16°23 | 1°47 | 11°55 | 5°39 | 14° 5 | 1°20 | 3°20 | 13°59 | 14°14 | 29° 7 | n.a. | S 17 |
| M18 | 12 37 57 | 10°22'52 | 6♓ 7 | 16° 1 | 16°11 | 2°26 | 12° 4 | 5°35 | 14° 3 | 1°19 | 3°18 | 13°58 | 14°11 | 29°14 | n.a. | M18 |
| T 19 | 12 41 53 | 11°20'07 | 19°41 | 18°10 | 16° 1 | 3° 5 | 12°13 | 5°32 | 14° 1 | 1°18 | 3°17 | 13°58 | 14° 8 | 29°21 | n.a. | T 19 |
| W20 | 12 45 50 | 12°17'21 | 3♈ 1 | 20°17 | 15°54 | 3°44 | 12°23 | 5°28 | 13°59 | 1°17 | 3°15 | 13°58 | 14° 4 | 29°27 | n.a. | W20 |
| T 21 | 12 49 47 | 13°14'34 | 16° 5 | 22°23 | 15°49 | 4°22 | 12°32 | 5°24 | 13°57 | 1°16 | 3°14 | 13°D58 | 14° 1 | 29°34 | n.a. | T 21 |
| F 22 | 12 53 43 | 14°11'47 | 28°54 | 24°28 | 15°46 | 5° 1 | 12°41 | 5°20 | 13°55 | 1°15 | 3°12 | 13°R58 | 13°58 | 29°41 | n.a. | F 22 |
| S 23 | 12 57 40 | 15° 8'59 | 11♉28 | 26°30 | 15°D46 | 5°40 | 12°51 | 5°16 | 13°53 | 1°14 | 3°10 | 13°58 | 13°55 | 29°48 | n.a. | S 23 |
| S 24 | 13 1 36 | 16° 6'10 | 23°48 | 28°31 | 15°48 | 6°18 | 13° 1 | 5°12 | 13°51 | 1°13 | 3° 9 | 13°57 | 13°52 | 29°54 | n.a. | S 24 |
| M25 | 13 5 33 | 17° 3'20 | 5♊56 | 0♉30 | 15°52 | 6°57 | 13°10 | 5° 8 | 13°49 | 1°12 | 3° 7 | 13°57 | 13°49 | 0♋ 1 | n.a. | M25 |
| T 26 | 13 9 29 | 18° 0'29 | 17°56 | 2°26 | 15°59 | 7°35 | 13°20 | 5° 4 | 13°47 | 1°11 | 3° 6 | 13°57 | 13°45 | 0° 8 | n.a. | T 26 |
| W27 | 13 13 26 | 18°57'37 | 29°50 | 4°20 | 16° 7 | 8°14 | 13°30 | 5° 0 | 13°45 | 1°10 | 3° 4 | 13°56 | 13°42 | 0°15 | n.a. | W27 |
| T 28 | 13 17 23 | 19°54'45 | 11♋43 | 6°12 | 16°18 | 8°53 | 13°40 | 4°56 | 13°43 | 1° 9 | 3° 2 | 13°56 | 13°39 | 0°21 | n.a. | T 28 |
| F 29 | 13 21 19 | 20°51'51 | 23°39 | 8° 1 | 16°31 | 9°31 | 13°50 | 4°52 | 13°40 | 1° 8 | 3° 1 | 13°D56 | 13°36 | 0°28 | n.a. | F 29 |
| S 30 | 13 25 16 | 21♈48'57 | 5♌43 | 9♉48 | 16♓46 | 10♉10 | 14♊ 0 | 4♏47 | 13♏38 | 1♐ 7 | 2♎59 | 13♈56 | 13♈33 | 0♋35 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 2s23 | 28n11 | 5n14 | 9s34 | 1s48 | 3n16 | 6n10 | 8n54 | 0n25 | 22n52 | 0n30 | 12s 2 | 2n 3 | 16s21 | 0n10 | 19s51 | 1n 2 | 11n49 | 14n37 | 5n41 | 6n 3 | 28n48 | | n.a. |
| S 2 | 2 0 | 26 1 | 5 6 | 8 43 | 1 41 | 2 52 | 6 0 | 9 9 | 0 25 | 22 53 | 0 30 | 12 1 | 2 3 | 16 20 | 0 10 | 19 51 | 1 2 | 11 50 | 14 37 | 5 41 | 6 2 | 28 48 | | n.a. |
| S 3 | 1 36 | 22 37 | 4 43 | 7 49 | 1 33 | 2 27 | 5 50 | 9 25 | 0 26 | 22 54 | 0 30 | 12 0 | 2 3 | 16 20 | 0 10 | 19 51 | 1 3 | 11 51 | 14 37 | 5 40 | 6 1 | 28 49 | | n.a. |
| M 4 | 1 13 | 18 9 | 4 7 | 6 55 | 1 25 | 2 2 | 5 39 | 9 40 | 0 26 | 22 55 | 0 30 | 11 59 | 2 3 | 16 19 | 0 10 | 19 51 | 1 3 | 11 51 | 14 37 | 5 39 | 6 0 | 28 49 | | n.a. |
| T 5 | 0 50 | 12 47 | 3 17 | 5 59 | 1 16 | 1 37 | 5 27 | 9 55 | 0 27 | 22 56 | 0 30 | 11 58 | 2 3 | 16 19 | 0 10 | 19 51 | 1 3 | 11 52 | 14 37 | 5 38 | 5 58 | 28 49 | | n.a. |
| W 6 | 0 26 | 6 45 | 2 16 | 5 1 | 1 8 | 1 12 | 5 16 | 10 10 | 0 27 | 22 57 | 0 30 | 11 57 | 2 3 | 16 19 | 0 10 | 19 51 | 1 3 | 11 53 | 14 37 | 5 37 | 5 57 | 28 50 | | n.a. |
| T 7 | 0 3 | 0 18 | 1 7 | 4 3 | 0 58 | 0 47 | 5 3 | 10 25 | 0 28 | 22 58 | 0 30 | 11 56 | 2 3 | 16 18 | 0 10 | 19 51 | 1 3 | 11 53 | 14 37 | 5 37 | 5 56 | 28 50 | | n.a. |
| F 8 | 0n20 | 6s18 | 0s 8 | 3 3 | 0 49 | 0 22 | 4 51 | 10 40 | 0 28 | 23 0 | 0 30 | 11 55 | 2 3 | 16 18 | 0 10 | 19 51 | 1 3 | 11 54 | 14 37 | 5 36 | 5 55 | 28 50 | | n.a. |
| S 9 | 0 43 | 12 43 | 1 23 | 2 2 | 0 39 | 0s 2 | 4 37 | 10 55 | 0 29 | 23 1 | 0 30 | 11 54 | 2 3 | 16 17 | 0 10 | 19 50 | 1 3 | 11 54 | 14 37 | 5 37 | 5 53 | 28 51 | | n.a. |
| S 10 | 1 7 | 18 35 | 2 35 | 1 0 | 0 28 | 0 26 | 4 24 | 11 10 | 0 29 | 23 2 | 0 30 | 11 52 | 2 3 | 16 17 | 0 10 | 19 50 | 1 3 | 11 55 | 14 37 | 5 37 | 5 52 | 28 51 | | n.a. |
| M11 | 1 30 | 23 30 | 3 38 | 0n 2 | 0 18 | 0 50 | 4 11 | 11 24 | 0 30 | 23 3 | 0 30 | 11 51 | 2 3 | 16 16 | 0 10 | 19 50 | 1 3 | 11 56 | 14 37 | 5 37 | 5 51 | 28 51 | | n.a. |
| T 12 | 1 53 | 27 3 | 4 27 | 1 4 | 0 7 | 1 13 | 3 57 | 11 39 | 0 30 | 23 4 | 0 30 | 11 50 | 2 3 | 16 16 | 0 10 | 19 50 | 1 3 | 11 56 | 14 37 | 5 38 | 5 50 | 28 52 | | n.a. |
| W13 | 2 16 | 28 52 | 5 1 | 2 7 | 0n 3 | 1 35 | 3 43 | 11 54 | 0 31 | 23 6 | 0 30 | 11 49 | 2 3 | 16 15 | 0 10 | 19 50 | 1 3 | 11 57 | 14 37 | 5 38 | 5 48 | 28 52 | | n.a. |
| T 14 | 2 39 | 28 46 | 5 16 | 3 10 | 0 14 | 1 56 | 3 29 | 12 8 | 0 31 | 23 7 | 0 30 | 11 48 | 2 3 | 16 15 | 0 10 | 19 50 | 1 3 | 11 57 | 14 37 | 5 38 | 5 47 | 28 52 | | n.a. |
| F 15 | 3 2 | 26 47 | 5 11 | 4 12 | 0 24 | 2 17 | 3 15 | 12 22 | 0 32 | 23 8 | 0 31 | 11 46 | 2 4 | 16 14 | 0 10 | 19 49 | 1 3 | 11 58 | 14 37 | 5 38 | 5 46 | 28 53 | | n.a. |
| S 16 | 3 25 | 23 9 | 4 48 | 5 14 | 0 34 | 2 36 | 3 2 | 12 37 | 0 32 | 23 9 | 0 31 | 11 45 | 2 4 | 16 14 | 0 10 | 19 49 | 1 3 | 11 59 | 14 36 | 5 37 | 5 45 | 28 53 | | n.a. |
| S 17 | 3 48 | 18 15 | 4 8 | 6 15 | 0 44 | 2 54 | 2 48 | 12 51 | 0 33 | 23 11 | 0 31 | 11 44 | 2 4 | 16 13 | 0 10 | 19 49 | 1 3 | 11 59 | 14 36 | 5 37 | 5 43 | 28 53 | | n.a. |
| M18 | 4 11 | 12 27 | 3 15 | 7 15 | 0 54 | 3 12 | 2 34 | 13 5 | 0 33 | 23 12 | 0 31 | 11 43 | 2 4 | 16 13 | 0 10 | 19 49 | 1 3 | 12 0 | 14 36 | 5 37 | 5 42 | 28 54 | | n.a. |
| T 19 | 4 34 | 6 9 | 2 10 | 8 14 | 1 3 | 3 28 | 2 21 | 13 19 | 0 34 | 23 13 | 0 31 | 11 41 | 2 4 | 16 12 | 0 10 | 19 49 | 1 3 | 12 0 | 14 36 | 5 37 | 5 41 | 28 54 | | n.a. |
| W20 | 4 57 | 0n18 | 1 0 | 9 12 | 1 12 | 3 43 | 2 8 | 13 33 | 0 34 | 23 15 | 0 31 | 11 40 | 2 4 | 16 11 | 0 10 | 19 49 | 1 3 | 12 1 | 14 36 | 5 37 | 5 40 | 28 54 | | n.a. |
| T 21 | 5 20 | 6 38 | 0n12 | 10 8 | 1 21 | 3 57 | 1 55 | 13 47 | 0 35 | 23 16 | 0 31 | 11 39 | 2 4 | 16 11 | 0 10 | 19 48 | 1 3 | 12 1 | 14 36 | 5 37 | 5 38 | 28 54 | | n.a. |
| F 22 | 5 42 | 12 34 | 1 22 | 11 2 | 1 29 | 4 10 | 1 42 | 14 0 | 0 35 | 23 17 | 0 31 | 11 37 | 2 4 | 16 10 | 0 10 | 19 48 | 1 3 | 12 2 | 14 36 | 5 37 | 5 37 | 28 55 | | n.a. |
| S 23 | 6 5 | 17 54 | 2 27 | 11 55 | 1 36 | 4 21 | 1 29 | 14 14 | 0 36 | 23 18 | 0 31 | 11 36 | 2 4 | 16 10 | 0 10 | 19 48 | 1 3 | 12 2 | 14 35 | 5 37 | 5 36 | 28 55 | | n.a. |
| S 24 | 6 27 | 22 22 | 3 23 | 12 46 | 1 43 | 4 32 | 1 17 | 14 28 | 0 36 | 23 20 | 0 31 | 11 35 | 2 4 | 16 9 | 0 10 | 19 48 | 1 3 | 12 3 | 14 35 | 5 37 | 5 35 | 28 55 | | n.a. |
| M25 | 6 50 | 25 49 | 4 10 | 13 34 | 1 49 | 4 41 | 1 5 | 14 41 | 0 37 | 23 21 | 0 31 | 11 33 | 2 4 | 16 8 | 0 10 | 19 47 | 1 3 | 12 3 | 14 35 | 5 37 | 5 33 | 28 55 | | n.a. |
| T 26 | 7 12 | 28 5 | 4 45 | 14 21 | 1 54 | 4 49 | 0 53 | 14 54 | 0 37 | 23 22 | 0 31 | 11 32 | 2 4 | 16 8 | 0 10 | 19 47 | 1 3 | 12 4 | 14 35 | 5 36 | 5 32 | 28 55 | | n.a. |
| W27 | 7 34 | 29 2 | 5 7 | 15 5 | 1 59 | 4 56 | 0 42 | 15 8 | 0 38 | 23 24 | 0 31 | 11 31 | 2 4 | 16 7 | 0 10 | 19 47 | 1 3 | 12 4 | 14 35 | 5 36 | 5 31 | 28 56 | | n.a. |
| T 28 | 7 56 | 28 39 | 5 16 | 15 47 | 2 3 | 5 2 | 0 31 | 15 21 | 0 38 | 23 25 | 0 31 | 11 29 | 2 4 | 16 7 | 0 10 | 19 47 | 1 3 | 12 5 | 14 34 | 5 36 | 5 29 | 28 56 | | n.a. |
| F 29 | 8 18 | 26 55 | 5 12 | 16 27 | 2 7 | 5 7 | 0 20 | 15 34 | 0 38 | 23 26 | 0 31 | 11 28 | 2 4 | 16 6 | 0 10 | 19 47 | 1 3 | 12 5 | 14 34 | 5 36 | 5 28 | 28 56 | | n.a. |
| S 30 | 8n40 | 23n58 | 4n54 | 17n 5 | 2n 9 | 5s11 | 0n10 | 15n47 | 0n39 | 23n27 | 0n31 | 11s26 | 2n 4 | 16s 5 | 0n10 | 19s46 | 1n 3 | 12n 5 | 14n34 | 5n36 | 5n27 | 28n56 | | n.a. |

Julian Day Number = 1005623.5, Delta T = 12h46m01s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'37, Lahiri = -30°58'36 Julian Calendar 1 Apr. 1960 BCE == Greg. Calendar 15 March 1960 BCE


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## MAY 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 29 12 | 22♈46'02 | 18♌ 0 | 11♉33 | 17♓ 2 | 10♉48 | 14♊11 | 4°R43 | 13°R36 | 1°R 6 | 2°R58 | 13♈57 | 13♈29 | 0♋41 | n.a. | S 1 |
| M 2 | 13 33 9 | 23°43'07 | 0♍32 | 13°15 | 17°21 | 11°27 | 14°21 | 4♏39 | 13♏34 | 1♐ 5 | 2♎56 | 13°58 | 13°26 | 0°48 | n.a. | M 2 |
| T 3 | 13 37 5 | 24°40'10 | 13°24 | 14°55 | 17°41 | 12° 5 | 14°32 | 4°35 | 13°32 | 1° 3 | 2°55 | 13°59 | 13°23 | 0°55 | n.a. | T 3 |
| W 4 | 13 41 2 | 25°37'13 | 26°38 | 16°32 | 18° 3 | 12°44 | 14°42 | 4°30 | 13°29 | 1° 2 | 2°53 | 13°59 | 13°20 | 1° 2 | n.a. | W 4 |
| T 5 | 13 44 58 | 26°34'16 | 10♎15 | 18° 7 | 18°27 | 13°22 | 14°53 | 4°26 | 13°27 | 1° 1 | 2°52 | 14°R 0 | 13°17 | 1° 8 | n.a. | T 5 |
| F 6 | 13 48 55 | 27°31'18 | 24°12 | 19°39 | 18°53 | 14° 1 | 15° 4 | 4°22 | 13°25 | 1° 0 | 2°50 | 14° 0 | 13°14 | 1°15 | n.a. | F 6 |
| S 7 | 13 52 52 | 28°28'20 | 8♏28 | 21° 9 | 19°20 | 14°39 | 15°14 | 4°17 | 13°23 | 0°58 | 2°49 | 13°59 | 13°10 | 1°22 | n.a. | S 7 |
| S 8 | 13 56 48 | 29°25'22 | 22°56 | 22°36 | 19°48 | 15°18 | 15°25 | 4°13 | 13°20 | 0°57 | 2°47 | 13°57 | 13° 7 | 1°28 | n.a. | S 8 |
| M 9 | 14 0 45 | 0♉22'24 | 7♐33 | 24° 0 | 20°19 | 15°56 | 15°36 | 4° 9 | 13°18 | 0°56 | 2°46 | 13°55 | 13° 4 | 1°35 | n.a. | M 9 |
| T 10 | 14 4 41 | 1°19'25 | 22°10 | 25°22 | 20°50 | 16°35 | 15°47 | 4° 4 | 13°16 | 0°54 | 2°44 | 13°53 | 13° 1 | 1°42 | n.a. | T 10 |
| W11 | 14 8 38 | 2°16'27 | 6♑43 | 26°42 | 21°23 | 17°13 | 15°58 | 4° 0 | 13°13 | 0°53 | 2°43 | 13°51 | 12°58 | 1°49 | n.a. | W11 |
| T 12 | 14 12 34 | 3°13'29 | 21° 6 | 27°58 | 21°57 | 17°51 | 16° 9 | 3°55 | 13°11 | 0°52 | 2°42 | 13°50 | 12°55 | 1°55 | n.a. | T 12 |
| F 13 | 14 16 31 | 4°10'32 | 5♒16 | 29°12 | 22°33 | 18°30 | 16°21 | 3°51 | 13° 8 | 0°50 | 2°40 | 13°D50 | 12°51 | 2° 2 | n.a. | F 13 |
| S 14 | 14 20 28 | 5° 7'34 | 19°11 | 0♊23 | 23° 9 | 19° 8 | 16°32 | 3°47 | 13° 6 | 0°49 | 2°39 | 13°50 | 12°48 | 2° 9 | n.a. | S 14 |
| S 15 | 14 24 24 | 6° 4'37 | 2♓50 | 1°32 | 23°47 | 19°47 | 16°43 | 3°42 | 13° 4 | 0°47 | 2°38 | 13°52 | 12°45 | 2°16 | n.a. | S 15 |
| M16 | 14 28 21 | 7° 1'40 | 16°15 | 2°37 | 24°26 | 20°25 | 16°55 | 3°38 | 13° 1 | 0°46 | 2°36 | 13°53 | 12°42 | 2°22 | n.a. | M16 |
| T 17 | 14 32 17 | 7°58'43 | 29°25 | 3°39 | 25° 6 | 21° 3 | 17° 6 | 3°33 | 12°59 | 0°45 | 2°35 | 13°54 | 12°39 | 2°29 | n.a. | T 17 |
| W18 | 14 36 14 | 8°55'46 | 12♈21 | 4°39 | 25°47 | 21°42 | 17°18 | 3°29 | 12°56 | 0°43 | 2°34 | 13°R55 | 12°35 | 2°36 | n.a. | W18 |
| T 19 | 14 40 10 | 9°52'50 | 25° 5 | 5°35 | 26°29 | 22°20 | 17°29 | 3°25 | 12°54 | 0°42 | 2°33 | 13°54 | 12°32 | 2°42 | n.a. | T 19 |
| F 20 | 14 44 7 | 10°49'54 | 7♉36 | 6°27 | 27°12 | 22°58 | 17°41 | 3°20 | 12°52 | 0°40 | 2°31 | 13°53 | 12°29 | 2°49 | n.a. | F 20 |
| S 21 | 14 48 3 | 11°46'58 | 19°57 | 7°17 | 27°56 | 23°37 | 17°53 | 3°16 | 12°49 | 0°39 | 2°30 | 13°50 | 12°26 | 2°56 | n.a. | S 21 |
| S 22 | 14 52 0 | 12°44'03 | 2♊ 9 | 8° 2 | 28°41 | 24°15 | 18° 5 | 3°12 | 12°47 | 0°37 | 2°29 | 13°45 | 12°23 | 3° 3 | n.a. | S 22 |
| M23 | 14 55 57 | 13°41'07 | 14°12 | 8°45 | 29°27 | 24°53 | 18°16 | 3° 7 | 12°44 | 0°36 | 2°28 | 13°40 | 12°20 | 3° 9 | n.a. | M23 |
| T 24 | 14 59 53 | 14°38'12 | 26° 8 | 9°23 | 0♈14 | 25°32 | 18°28 | 3° 3 | 12°42 | 0°34 | 2°27 | 13°35 | 12°16 | 3°16 | n.a. | T 24 |
| W25 | 15 3 50 | 15°35'17 | 8♋ 1 | 9°57 | 1° 1 | 26°10 | 18°40 | 2°59 | 12°39 | 0°32 | 2°26 | 13°30 | 12°13 | 3°23 | n.a. | W25 |
| T 26 | 15 7 46 | 16°32'23 | 19°53 | 10°28 | 1°49 | 26°48 | 18°52 | 2°55 | 12°37 | 0°31 | 2°25 | 13°26 | 12°10 | 3°29 | n.a. | T 26 |
| F 27 | 15 11 43 | 17°29'28 | 1♌48 | 10°54 | 2°38 | 27°26 | 19° 4 | 2°51 | 12°35 | 0°29 | 2°24 | 13°24 | 12° 7 | 3°36 | n.a. | F 27 |
| S 28 | 15 15 39 | 18°26'34 | 13°50 | 11°15 | 3°27 | 28° 5 | 19°17 | 2°46 | 12°32 | 0°28 | 2°23 | 13°D22 | 12° 4 | 3°43 | n.a. | S 28 |
| S 29 | 15 19 36 | 19°23'39 | 26° 3 | 11°33 | 4°17 | 28°43 | 19°29 | 2°42 | 12°30 | 0°26 | 2°22 | 13°22 | 12° 1 | 3°50 | n.a. | S 29 |
| M30 | 15 23 33 | 20°20'45 | 8♍34 | 11°45 | 5° 8 | 29°21 | 19°41 | 2°38 | 12°27 | 0°25 | 2°21 | 13°23 | 11°57 | 3°56 | n.a. | M30 |
| T 31 | 15 27 29 | 21♉17'51 | 21♍25 | 11♊53 | 6♈ 0 | 29♉59 | 19♊53 | 2♏34 | 12♏25 | 0♐23 | 2♎20 | 13♈25 | 11♈54 | 4♋ 3 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 9n 2 | 19n54 | 4n22 | 17n41 | 2n11 | 5s13 | 0s 0 | 15n59 | 0n39 | 23n29 | 0n31 | 11s25 | 2n 4 | 16s 5 | 0n10 | 19s46 | 1n 3 | 12n 6 | 14n34 | 5n37 | 5n26 | 28n56 | | | n.a. |
| M 2 | 9 23 | 14 53 | 3 38 | 18 14 | 2 13 | 5 15 | 0 10 | 16 12 | 0 40 | 23 30 | 0 31 | 11 23 | 2 4 | 16 4 | 0 10 | 19 46 | 1 3 | 12 6 | 14 34 | 5 37 | 5 24 | 28 56 | | | n.a. |
| T 3 | 9 45 | 9 7 | 2 41 | 18 45 | 2 13 | 5 16 | 0 20 | 16 25 | 0 40 | 23 31 | 0 31 | 11 22 | 2 4 | 16 3 | 0 10 | 19 45 | 1 3 | 12 7 | 14 33 | 5 37 | 5 23 | 28 57 | | | n.a. |
| W 4 | 10 6 | 2 48 | 1 34 | 19 14 | 2 13 | 5 15 | 0 29 | 16 37 | 0 41 | 23 33 | 0 31 | 11 21 | 2 4 | 16 3 | 0 10 | 19 45 | 1 3 | 12 7 | 14 33 | 5 38 | 5 22 | 28 57 | | | n.a. |
| T 5 | 10 27 | 3s49 | 0 21 | 19 41 | 2 13 | 5 14 | 0 38 | 16 49 | 0 41 | 23 34 | 0 31 | 11 19 | 2 4 | 16 2 | 0 10 | 19 45 | 1 3 | 12 7 | 14 33 | 5 38 | 5 21 | 28 57 | | | n.a. |
| F 6 | 10 48 | 10 26 | 0s56 | 20 6 | 2 11 | 5 12 | 0 46 | 17 1 | 0 42 | 23 35 | 0 31 | 11 18 | 2 4 | 16 1 | 0 10 | 19 45 | 1 3 | 12 8 | 14 32 | 5 38 | 5 19 | 28 57 | | | n.a. |
| S 7 | 11 9 | 16 40 | 2 11 | 20 29 | 2 9 | 5 8 | 0 55 | 17 14 | 0 42 | 23 36 | 0 31 | 11 16 | 2 4 | 16 0 | 0 10 | 19 44 | 1 3 | 12 8 | 14 32 | 5 37 | 5 18 | 28 57 | | | n.a. |
| S 8 | 11 29 | 22 5 | 3 19 | 20 49 | 2 6 | 5 4 | 1 2 | 17 25 | 0 42 | 23 38 | 0 31 | 11 15 | 2 4 | 16 0 | 0 10 | 19 44 | 1 3 | 12 8 | 14 32 | 5 37 | 5 17 | 28 57 | | | n.a. |
| M 9 | 11 50 | 26 11 | 4 14 | 21 8 | 2 3 | 4 59 | 1 10 | 17 37 | 0 43 | 23 39 | 0 31 | 11 13 | 2 4 | 15 59 | 0 10 | 19 44 | 1 3 | 12 9 | 14 32 | 5 36 | 5 16 | 28 57 | | | n.a. |
| T 10 | 12 10 | 28 33 | 4 53 | 21 25 | 1 59 | 4 53 | 1 17 | 17 49 | 0 43 | 23 40 | 0 32 | 11 12 | 2 3 | 15 58 | 0 10 | 19 44 | 1 3 | 12 9 | 14 31 | 5 35 | 5 14 | 28 57 | | | n.a. |
| W11 | 12 30 | 28 57 | 5 12 | 21 39 | 1 54 | 4 46 | 1 25 | 18 1 | 0 44 | 23 41 | 0 32 | 11 10 | 2 3 | 15 58 | 0 10 | 19 43 | 1 3 | 12 9 | 14 31 | 5 34 | 5 13 | 28 57 | | | n.a. |
| T 12 | 12 50 | 27 22 | 5 12 | 21 52 | 1 49 | 4 39 | 1 31 | 18 12 | 0 44 | 23 43 | 0 32 | 11 9 | 2 3 | 15 57 | 0 10 | 19 43 | 1 3 | 12 9 | 14 31 | 5 34 | 5 12 | 28 58 | | | n.a. |
| F 13 | 13 10 | 24 4 | 4 53 | 22 3 | 1 43 | 4 30 | 1 38 | 18 23 | 0 44 | 23 44 | 0 32 | 11 8 | 2 3 | 15 56 | 0 10 | 19 43 | 1 3 | 12 10 | 14 30 | 5 34 | 5 11 | 28 58 | | | n.a. |
| S 14 | 13 30 | 19 26 | 4 17 | 22 12 | 1 36 | 4 21 | 1 44 | 18 35 | 0 45 | 23 45 | 0 32 | 11 6 | 2 3 | 15 55 | 0 10 | 19 42 | 1 3 | 12 10 | 14 30 | 5 34 | 5 9 | 28 58 | | | n.a. |
| S 15 | 13 49 | 13 52 | 3 27 | 22 20 | 1 29 | 4 11 | 1 50 | 18 46 | 0 45 | 23 46 | 0 32 | 11 5 | 2 3 | 15 55 | 0 10 | 19 42 | 1 3 | 12 10 | 14 30 | 5 34 | 5 8 | 28 58 | | | n.a. |
| M16 | 14 8 | 7 46 | 2 26 | 22 25 | 1 21 | 4 1 | 1 56 | 18 57 | 0 46 | 23 47 | 0 32 | 11 3 | 2 3 | 15 54 | 0 10 | 19 42 | 1 3 | 12 10 | 14 29 | 5 35 | 5 7 | 28 58 | | | n.a. |
| T 17 | 14 27 | 1 26 | 1 19 | 22 29 | 1 12 | 3 50 | 2 1 | 19 7 | 0 46 | 23 49 | 0 32 | 11 2 | 2 3 | 15 53 | 0 10 | 19 41 | 1 3 | 12 10 | 14 29 | 5 36 | 5 6 | 28 58 | | | n.a. |
| W18 | 14 46 | 4n51 | 0 9 | 22 32 | 1 3 | 3 38 | 2 6 | 19 18 | 0 46 | 23 50 | 0 32 | 11 0 | 2 3 | 15 52 | 0 10 | 19 41 | 1 3 | 12 11 | 14 29 | 5 36 | 5 4 | 28 58 | | | n.a. |
| T 19 | 15 4 | 10 50 | 1n 1 | 22 33 | 0 53 | 3 25 | 2 11 | 19 29 | 0 47 | 23 51 | 0 32 | 10 59 | 2 3 | 15 52 | 0 10 | 19 41 | 1 3 | 12 11 | 14 28 | 5 36 | 5 3 | 28 58 | | | n.a. |
| F 20 | 15 22 | 16 19 | 2 6 | 22 32 | 0 43 | 3 12 | 2 16 | 19 39 | 0 47 | 23 52 | 0 32 | 10 58 | 2 3 | 15 51 | 0 10 | 19 41 | 1 3 | 12 11 | 14 28 | 5 35 | 5 2 | 28 58 | | | n.a. |
| S 21 | 15 41 | 21 2 | 3 5 | 22 30 | 0 32 | 2 58 | 2 20 | 19 49 | 0 48 | 23 53 | 0 32 | 10 56 | 2 3 | 15 50 | 0 10 | 19 40 | 1 3 | 12 11 | 14 27 | 5 34 | 5 0 | 28 58 | | | n.a. |
| S 22 | 15 58 | 24 49 | 3 54 | 22 26 | 0 21 | 2 44 | 2 24 | 19 59 | 0 48 | 23 54 | 0 32 | 10 55 | 2 3 | 15 50 | 0 10 | 19 40 | 1 3 | 12 11 | 14 27 | 5 32 | 4 59 | 28 58 | | | n.a. |
| M23 | 16 16 | 27 27 | 4 31 | 22 21 | 0 9 | 2 29 | 2 28 | 20 9 | 0 48 | 23 56 | 0 32 | 10 53 | 2 2 | 15 49 | 0 10 | 19 40 | 1 3 | 12 11 | 14 27 | 5 30 | 4 58 | 28 58 | | | n.a. |
| T 24 | 16 33 | 28 49 | 4 57 | 22 15 | 0s 3 | 2 13 | 2 32 | 20 19 | 0 49 | 23 57 | 0 32 | 10 52 | 2 2 | 15 48 | 0 10 | 19 39 | 1 3 | 12 11 | 14 26 | 5 28 | 4 57 | 28 58 | | | n.a. |
| W25 | 16 50 | 28 50 | 5 10 | 22 7 | 0 16 | 1 57 | 2 36 | 20 29 | 0 49 | 23 58 | 0 32 | 10 51 | 2 2 | 15 47 | 0 10 | 19 39 | 1 3 | 12 11 | 14 26 | 5 26 | 4 55 | 28 58 | | | n.a. |
| T 26 | 17 7 | 27 31 | 5 9 | 21 59 | 0 30 | 1 41 | 2 39 | 20 38 | 0 49 | 23 59 | 0 32 | 10 49 | 2 2 | 15 47 | 0 10 | 19 39 | 1 3 | 12 11 | 14 25 | 5 24 | 4 54 | 28 58 | | | n.a. |
| F 27 | 17 24 | 24 57 | 4 56 | 21 49 | 0 43 | 1 24 | 2 42 | 20 48 | 0 50 | 24 0 | 0 32 | 10 48 | 2 2 | 15 46 | 0 10 | 19 38 | 1 3 | 12 11 | 14 25 | 5 23 | 4 53 | 28 58 | | | n.a. |
| S 28 | 17 40 | 21 17 | 4 29 | 21 38 | 0 57 | 1 7 | 2 45 | 20 57 | 0 50 | 24 1 | 0 32 | 10 47 | 2 2 | 15 45 | 0 10 | 19 38 | 1 3 | 12 11 | 14 25 | 5 23 | 4 52 | 28 57 | | | n.a. |
| S 29 | 17 56 | 16 40 | 3 49 | 21 26 | 1 12 | 0 49 | 2 47 | 21 6 | 0 51 | 24 2 | 0 33 | 10 45 | 2 2 | 15 44 | 0 10 | 19 38 | 1 3 | 12 12 | 14 24 | 5 23 | 4 50 | 28 57 | | | n.a. |
| M30 | 18 11 | 11 16 | 2 58 | 21 13 | 1 26 | 0 31 | 2 50 | 21 15 | 0 51 | 24 3 | 0 33 | 10 44 | 2 2 | 15 44 | 0 10 | 19 37 | 1 3 | 12 11 | 14 24 | 5 23 | 4 49 | 28 57 | | | n.a. |
| T 31 | 18n27 | 5n15 | 1n57 | 21n 0 | 1s41 | 0s12 | 2s52 | 21n24 | 0n51 | 24n 4 | 0n33 | 10s43 | 2n 1 | 15s43 | 0n10 | 19s37 | 1n 3 | 12n11 | 14n23 | 5n24 | 4n48 | 28n57 | | | n.a. |

Julian Day Number = 1005653.5, Delta T = 12h45m59s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'33, Lahiri = -30°58'32 Julian Calendar 1 May 1960 BCE == Greg. Calendar 14 Apr. 1960 BCE

The year -1959 astronomical counting style corresponds to year 1960 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## JUNE 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 31 26 | 22♉14'58 | 4♎40 | 11°R56 | 6♈52 | 0♊38 | 20♊ 5 | 2°R30 | 12°R23 | 0°R21 | 2°R19 | 13♈26 | 11♈51 | 4♋10 | n.a. | W 1 |
| T 2 | 15 35 22 | 23°12'04 | 18°22 | 11♊55 | 7°44 | 1°16 | 20°18 | 2♏26 | 12♏20 | 0♐20 | 2♎18 | 13°R26 | 11°48 | 4°17 | n.a. | T 2 |
| F 3 | 15 39 19 | 24° 9'12 | 2♏30 | 11°48 | 8°38 | 1°54 | 20°30 | 2°22 | 12°18 | 0°18 | 2°17 | 13°25 | 11°45 | 4°23 | n.a. | F 3 |
| S 4 | 15 43 15 | 25° 6'20 | 17° 3 | 11°37 | 9°32 | 2°32 | 20°43 | 2°18 | 12°16 | 0°17 | 2°16 | 13°22 | 11°41 | 4°30 | n.a. | S 4 |
| S 5 | 15 47 12 | 26° 3'29 | 1♐53 | 11°20 | 10°26 | 3°11 | 20°55 | 2°15 | 12°13 | 0°15 | 2°15 | 13°17 | 11°38 | 4°37 | n.a. | S 5 |
| M 6 | 15 51 9 | 27° 0'38 | 16°54 | 11° 0 | 11°21 | 3°49 | 21° 8 | 2°11 | 12°11 | 0°13 | 2°15 | 13°11 | 11°35 | 4°43 | n.a. | M 6 |
| T 7 | 15 55 5 | 27°57'49 | 1♑56 | 10°34 | 12°16 | 4°27 | 21°20 | 2° 7 | 12° 9 | 0°12 | 2°14 | 13° 4 | 11°32 | 4°50 | n.a. | T 7 |
| W 8 | 15 59 2 | 28°55'00 | 16°50 | 10° 5 | 13°12 | 5° 5 | 21°33 | 2° 3 | 12° 6 | 0°10 | 2°13 | 12°58 | 11°29 | 4°57 | n.a. | W 8 |
| T 9 | 16 2 58 | 29°52'12 | 1♒28 | 9°32 | 14° 9 | 5°44 | 21°45 | 2° 0 | 12° 4 | 0° 8 | 2°13 | 12°54 | 11°26 | 5° 4 | n.a. | T 9 |
| F 10 | 16 6 55 | 0♊49'26 | 15°46 | 8°56 | 15° 5 | 6°22 | 21°58 | 1°56 | 12° 2 | 0° 7 | 2°12 | 12°51 | 11°22 | 5°10 | n.a. | F 10 |
| S 11 | 16 10 51 | 1°46'41 | 29°41 | 8°16 | 16° 3 | 7° 0 | 22°11 | 1°53 | 12° 0 | 0° 5 | 2°11 | 12°D50 | 11°19 | 5°17 | n.a. | S 11 |
| S 12 | 16 14 48 | 2°43'57 | 13♓14 | 7°35 | 17° 0 | 7°38 | 22°23 | 1°49 | 11°57 | 0° 4 | 2°11 | 12°50 | 11°16 | 5°24 | n.a. | S 12 |
| M13 | 16 18 44 | 3°41'14 | 26°26 | 6°52 | 17°59 | 8°16 | 22°36 | 1°46 | 11°55 | 0° 2 | 2°10 | 12°51 | 11°13 | 5°31 | n.a. | M13 |
| T 14 | 16 22 41 | 4°38'32 | 9♈20 | 6° 8 | 18°57 | 8°55 | 22°49 | 1°42 | 11°53 | 0° 0 | 2°10 | 12°R52 | 11°10 | 5°37 | n.a. | T 14 |
| W15 | 16 26 38 | 5°35'52 | 21°59 | 5°24 | 19°56 | 9°33 | 23° 2 | 1°39 | 11°51 | 29♏59 | 2° 9 | 12°52 | 11° 7 | 5°44 | n.a. | W15 |
| T 16 | 16 30 34 | 6°33'13 | 4♉26 | 4°41 | 20°55 | 10°11 | 23°15 | 1°36 | 11°49 | 29°57 | 2° 9 | 12°49 | 11° 3 | 5°51 | n.a. | T 16 |
| F 17 | 16 34 31 | 7°30'35 | 16°43 | 3°59 | 21°55 | 10°49 | 23°28 | 1°33 | 11°46 | 29°55 | 2° 8 | 12°45 | 11° 0 | 5°57 | n.a. | F 17 |
| S 18 | 16 38 27 | 8°27'59 | 28°51 | 3°20 | 22°55 | 11°28 | 23°40 | 1°30 | 11°44 | 29°54 | 2° 8 | 12°38 | 10°57 | 6° 4 | n.a. | S 18 |
| S 19 | 16 42 24 | 9°25'23 | 10♊53 | 2°44 | 23°56 | 12° 6 | 23°53 | 1°27 | 11°42 | 29°52 | 2° 7 | 12°29 | 10°54 | 6°11 | n.a. | S 19 |
| M20 | 16 46 20 | 10°22'49 | 22°50 | 2°12 | 24°56 | 12°44 | 24° 6 | 1°24 | 11°40 | 29°51 | 2° 7 | 12°18 | 10°51 | 6°18 | n.a. | M20 |
| T 21 | 16 50 17 | 11°20'16 | 4♋44 | 1°44 | 25°57 | 13°22 | 24°19 | 1°21 | 11°38 | 29°49 | 2° 7 | 12° 7 | 10°47 | 6°24 | n.a. | T 21 |
| W22 | 16 54 14 | 12°17'45 | 16°35 | 1°21 | 26°59 | 14° 0 | 24°32 | 1°18 | 11°36 | 29°47 | 2° 7 | 11°56 | 10°44 | 6°31 | n.a. | W22 |
| T 23 | 16 58 10 | 13°15'14 | 28°27 | 1° 4 | 28° 0 | 14°39 | 24°45 | 1°15 | 11°34 | 29°46 | 2° 6 | 11°47 | 10°41 | 6°38 | n.a. | T 23 |
| F 24 | 17 2 7 | 14°12'45 | 10♌21 | 0°52 | 29° 2 | 15°17 | 24°58 | 1°13 | 11°32 | 29°44 | 2° 6 | 11°39 | 10°38 | 6°44 | n.a. | F 24 |
| S 25 | 17 6 3 | 15°10'16 | 22°22 | 0°D47 | 0♉ 5 | 15°55 | 25°11 | 1°10 | 11°31 | 29°43 | 2° 6 | 11°35 | 10°35 | 6°51 | n.a. | S 25 |
| S 26 | 17 10 0 | 16° 7'49 | 4♍33 | 0°49 | 1° 7 | 16°33 | 25°24 | 1° 8 | 11°29 | 29°41 | 2° 6 | 11°32 | 10°32 | 6°58 | n.a. | S 26 |
| M27 | 17 13 56 | 17° 5'22 | 17° 0 | 0°57 | 2°10 | 17°12 | 25°37 | 1° 5 | 11°27 | 29°40 | 2° 6 | 11°D31 | 10°28 | 7° 5 | n.a. | M27 |
| T 28 | 17 17 53 | 18° 2'57 | 29°46 | 1°13 | 3°13 | 17°50 | 25°50 | 1° 3 | 11°25 | 29°38 | 2° 6 | 11°32 | 10°25 | 7°11 | n.a. | T 28 |
| W29 | 17 21 49 | 19° 0'33 | 12♎57 | 1°35 | 4°16 | 18°28 | 26° 4 | 1° 1 | 11°23 | 29°37 | 2° 6 | 11°R32 | 10°22 | 7°18 | n.a. | W29 |
| T 30 | 17 25 46 | 19♊58'10 | 26♎35 | 2♊ 4 | 5♉20 | 19♊ 6 | 26♊17 | 0♏59 | 11♏22 | 29♏35 | 2°D 6 | 11♈31 | 10♈19 | 7♋25 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 18n42 | 1s10 | 0n47 | 20n45 | 1s56 | 0n 7 | 2s54 | 21n32 | 0n52 | 24n 5 | 0n33 | 10s41 | 2n 1 | 15s42 | 0n10 | 19s37 | 1n 3 | 12n11 | 14n23 | 5n24 | 4n47 | 28n57 | | n.a. |
| T 2 | 18 57 | 7 45 | 0s27 | 20 30 | 2 11 | 0 26 | 2 56 | 21 41 | 0 52 | 24 6 | 0 33 | 10 40 | 2 1 | 15 41 | 0 10 | 19 36 | 1 3 | 12 11 | 14 22 | 5 24 | 4 45 | 28 57 | | n.a. |
| F 3 | 19 11 | 14 10 | 1 41 | 20 15 | 2 26 | 0 46 | 2 58 | 21 49 | 0 52 | 24 7 | 0 33 | 10 39 | 2 1 | 15 41 | 0 10 | 19 36 | 1 3 | 12 11 | 14 22 | 5 24 | 4 44 | 28 57 | | n.a. |
| S 4 | 19 26 | 20 0 | 2 52 | 19 59 | 2 41 | 1 6 | 3 0 | 21 57 | 0 53 | 24 8 | 0 33 | 10 38 | 2 1 | 15 40 | 0 10 | 19 36 | 1 3 | 12 11 | 14 21 | 5 23 | 4 43 | 28 57 | | n.a. |
| S 5 | 19 39 | 24 44 | 3 52 | 19 42 | 2 55 | 1 27 | 3 1 | 22 5 | 0 53 | 24 9 | 0 33 | 10 36 | 2 1 | 15 39 | 0 10 | 19 35 | 1 3 | 12 11 | 14 21 | 5 21 | 4 42 | 28 57 | | n.a. |
| M 6 | 19 53 | 27 51 | 4 36 | 19 26 | 3 9 | 1 47 | 3 2 | 22 13 | 0 53 | 24 10 | 0 33 | 10 35 | 2 1 | 15 39 | 0 10 | 19 35 | 1 3 | 12 11 | 14 20 | 5 18 | 4 40 | 28 56 | | n.a. |
| T 7 | 20 6 | 28 57 | 5 2 | 19 9 | 3 22 | 2 8 | 3 3 | 22 20 | 0 54 | 24 11 | 0 33 | 10 34 | 2 0 | 15 38 | 0 10 | 19 35 | 1 3 | 12 11 | 14 20 | 5 16 | 4 39 | 28 56 | | n.a. |
| W 8 | 20 19 | 27 55 | 5 7 | 18 52 | 3 35 | 2 30 | 3 4 | 22 28 | 0 54 | 24 12 | 0 33 | 10 33 | 2 0 | 15 37 | 0 10 | 19 34 | 1 3 | 12 11 | 14 20 | 5 13 | 4 38 | 28 56 | | n.a. |
| T 9 | 20 32 | 24 58 | 4 52 | 18 36 | 3 46 | 2 51 | 3 5 | 22 35 | 0 54 | 24 13 | 0 33 | 10 32 | 2 0 | 15 36 | 0 10 | 19 34 | 1 3 | 12 11 | 14 19 | 5 12 | 4 36 | 28 56 | | n.a. |
| F 10 | 20 44 | 20 32 | 4 19 | 18 20 | 3 57 | 3 13 | 3 5 | 22 42 | 0 55 | 24 14 | 0 33 | 10 31 | 2 0 | 15 36 | 0 10 | 19 34 | 1 3 | 12 10 | 14 19 | 5 10 | 4 35 | 28 56 | | n.a. |
| S 11 | 20 56 | 15 5 | 3 31 | 18 5 | 4 6 | 3 35 | 3 6 | 22 49 | 0 55 | 24 14 | 0 33 | 10 30 | 2 0 | 15 35 | 0 10 | 19 33 | 1 3 | 12 10 | 14 18 | 5 10 | 4 34 | 28 56 | | n.a. |
| S 12 | 21 8 | 9 3 | 2 33 | 17 50 | 4 14 | 3 57 | 3 6 | 22 56 | 0 55 | 24 15 | 0 33 | 10 29 | 2 0 | 15 34 | 0 10 | 19 33 | 1 3 | 12 10 | 14 18 | 5 10 | 4 33 | 28 55 | | n.a. |
| M13 | 21 19 | 2 46 | 1 27 | 17 37 | 4 21 | 4 20 | 3 6 | 23 3 | 0 56 | 24 16 | 0 33 | 10 28 | 1 59 | 15 34 | 0 10 | 19 33 | 1 3 | 12 10 | 14 17 | 5 11 | 4 31 | 28 55 | | n.a. |
| T 14 | 21 30 | 3n29 | 0 19 | 17 24 | 4 26 | 4 42 | 3 6 | 23 9 | 0 56 | 24 17 | 0 34 | 10 27 | 1 59 | 15 33 | 0 10 | 19 32 | 1 3 | 12 9 | 14 17 | 5 11 | 4 30 | 28 55 | | n.a. |
| W15 | 21 40 | 9 29 | 0n49 | 17 13 | 4 29 | 5 5 | 3 6 | 23 15 | 0 56 | 24 18 | 0 34 | 10 26 | 1 59 | 15 32 | 0 10 | 19 32 | 1 3 | 12 9 | 14 16 | 5 11 | 4 29 | 28 55 | | n.a. |
| T 16 | 21 50 | 15 1 | 1 53 | 17 4 | 4 31 | 5 28 | 3 6 | 23 22 | 0 57 | 24 18 | 0 34 | 10 25 | 1 59 | 15 32 | 0 10 | 19 32 | 1 3 | 12 9 | 14 16 | 5 10 | 4 28 | 28 55 | | n.a. |
| F 17 | 22 0 | 19 53 | 2 51 | 16 56 | 4 31 | 5 51 | 3 5 | 23 28 | 0 57 | 24 19 | 0 34 | 10 24 | 1 59 | 15 31 | 0 10 | 19 31 | 1 3 | 12 9 | 14 15 | 5 8 | 4 26 | 28 54 | | n.a. |
| S 18 | 22 10 | 23 53 | 3 40 | 16 51 | 4 29 | 6 14 | 3 5 | 23 33 | 0 57 | 24 20 | 0 34 | 10 23 | 1 59 | 15 30 | 0 10 | 19 31 | 1 3 | 12 8 | 14 15 | 5 5 | 4 25 | 28 54 | | n.a. |
| S 19 | 22 19 | 26 48 | 4 19 | 16 47 | 4 25 | 6 37 | 3 4 | 23 39 | 0 58 | 24 21 | 0 34 | 10 22 | 1 58 | 15 30 | 0 10 | 19 31 | 1 3 | 12 8 | 14 14 | 5 2 | 4 24 | 28 54 | | n.a. |
| M20 | 22 27 | 28 29 | 4 46 | 16 46 | 4 20 | 7 0 | 3 3 | 23 44 | 0 58 | 24 21 | 0 34 | 10 21 | 1 58 | 15 29 | 0 10 | 19 30 | 1 3 | 12 8 | 14 13 | 4 57 | 4 23 | 28 54 | | n.a. |
| T 21 | 22 36 | 28 51 | 5 1 | 16 47 | 4 14 | 7 24 | 3 2 | 23 50 | 0 58 | 24 22 | 0 34 | 10 20 | 1 58 | 15 29 | 0 10 | 19 30 | 1 3 | 12 7 | 14 13 | 4 53 | 4 21 | 28 53 | | n.a. |
| W22 | 22 43 | 27 52 | 5 2 | 16 50 | 4 6 | 7 47 | 3 1 | 23 55 | 0 59 | 24 23 | 0 34 | 10 20 | 1 58 | 15 28 | 0 10 | 19 30 | 1 3 | 12 7 | 14 12 | 4 49 | 4 20 | 28 53 | | n.a. |
| T 23 | 22 51 | 25 38 | 4 51 | 16 56 | 3 56 | 8 11 | 3 0 | 24 0 | 0 59 | 24 23 | 0 34 | 10 19 | 1 58 | 15 27 | 0 10 | 19 29 | 1 3 | 12 7 | 14 12 | 4 45 | 4 19 | 28 53 | | n.a. |
| F 24 | 22 58 | 22 16 | 4 27 | 17 4 | 3 46 | 8 34 | 2 59 | 24 4 | 0 59 | 24 24 | 0 34 | 10 18 | 1 57 | 15 27 | 0 10 | 19 29 | 1 3 | 12 6 | 14 11 | 4 42 | 4 17 | 28 52 | | n.a. |
| S 25 | 23 5 | 17 57 | 3 50 | 17 14 | 3 34 | 8 58 | 2 58 | 24 9 | 0 59 | 24 24 | 0 34 | 10 17 | 1 57 | 15 26 | 0 10 | 19 29 | 1 3 | 12 6 | 14 11 | 4 40 | 4 16 | 28 52 | | n.a. |
| S 26 | 23 11 | 12 52 | 3 3 | 17 27 | 3 21 | 9 21 | 2 56 | 24 13 | 1 0 | 24 25 | 0 34 | 10 17 | 1 57 | 15 26 | 0 10 | 19 28 | 1 3 | 12 5 | 14 10 | 4 39 | 4 15 | 28 52 | | n.a. |
| M27 | 23 17 | 7 10 | 2 7 | 17 42 | 3 8 | 9 44 | 2 55 | 24 17 | 1 0 | 24 25 | 0 35 | 10 16 | 1 57 | 15 25 | 0 10 | 19 28 | 1 3 | 12 5 | 14 10 | 4 39 | 4 14 | 28 51 | | n.a. |
| T 28 | 23 22 | 1 2 | 1 2 | 17 59 | 2 54 | 10 8 | 2 53 | 24 21 | 1 0 | 24 26 | 0 35 | 10 15 | 1 57 | 15 24 | 0 10 | 19 28 | 1 3 | 12 4 | 14 9 | 4 39 | 4 12 | 28 51 | | n.a. |
| W29 | 23 27 | 5s20 | 0s 8 | 18 18 | 2 39 | 10 31 | 2 51 | 24 25 | 1 1 | 24 26 | 0 35 | 10 15 | 1 56 | 15 24 | 0 10 | 19 27 | 1 3 | 12 4 | 14 9 | 4 39 | 4 11 | 28 51 | | n.a. |
| T 30 | 23n32 | 11s41 | 1s19 | 18n39 | 2s24 | 10n54 | 2s49 | 24n29 | 1n 1 | 24n27 | 0n35 | 10s14 | 1n56 | 15s23 | 0n10 | 19s27 | 1n 3 | 12n 3 | 14n 8 | 4n39 | 4n10 | 28n50 | | n.a. |

Julian Day Number = 1005684.5, Delta T = 12h45m57s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'29, Lahiri = -30°58'28 Julian Calendar 1 June 1960 BCE == Greg. Calendar 15 May 1960 BCE


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## JULY 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 29 43 | 20♊55'49 | 10♏42 | 2♊41 | 6♉24 | 19♊44 | 26♊30 | 0°R57 | 11°R20 | 29°R34 | 2♎ 6 | 11°R28 | 10♈16 | 7♋32 | n.a. | F 1 |
| S 2 | 17 33 39 | 21°53'29 | 25°18 | 3°24 | 7°28 | 20°23 | 26°43 | 0♏55 | 11♏18 | 29♏32 | 2° 6 | 11♈23 | 10°13 | 7°38 | n.a. | S 2 |
| S 3 | 17 37 36 | 22°51'10 | 10♐17 | 4°14 | 8°32 | 21° 1 | 26°56 | 0°53 | 11°17 | 29°31 | 2° 6 | 11°15 | 10° 9 | 7°45 | n.a. | S 3 |
| M 4 | 17 41 32 | 23°48'53 | 25°31 | 5°11 | 9°37 | 21°39 | 27° 9 | 0°51 | 11°15 | 29°29 | 2° 6 | 11° 6 | 10° 6 | 7°52 | n.a. | M 4 |
| T 5 | 17 45 29 | 24°46'37 | 10♑50 | 6°14 | 10°41 | 22°17 | 27°22 | 0°49 | 11°14 | 29°28 | 2° 6 | 10°55 | 10° 3 | 7°58 | n.a. | T 5 |
| W 6 | 17 49 25 | 25°44'23 | 26° 1 | 7°24 | 11°46 | 22°56 | 27°35 | 0°48 | 11°12 | 29°26 | 2° 6 | 10°46 | 10° 0 | 8° 5 | n.a. | W 6 |
| T 7 | 17 53 22 | 26°42'11 | 10♒56 | 8°39 | 12°52 | 23°34 | 27°49 | 0°46 | 11°11 | 29°25 | 2° 6 | 10°38 | 9°57 | 8°12 | n.a. | T 7 |
| F 8 | 17 57 19 | 27°40'01 | 25°27 | 10° 0 | 13°57 | 24°12 | 28° 2 | 0°45 | 11° 9 | 29°24 | 2° 7 | 10°32 | 9°53 | 8°19 | n.a. | F 8 |
| S 9 | 18 1 15 | 28°37'53 | 9♓30 | 11°27 | 15° 3 | 24°50 | 28°15 | 0°43 | 11° 8 | 29°22 | 2° 7 | 10°29 | 9°50 | 8°25 | n.a. | S 9 |
| S 10 | 18 5 12 | 29°35'47 | 23° 5 | 12°58 | 16° 9 | 25°29 | 28°28 | 0°42 | 11° 6 | 29°21 | 2° 7 | 10°28 | 9°47 | 8°32 | n.a. | S 10 |
| M11 | 18 9 8 | 0♋33'42 | 6♈15 | 14°34 | 17°15 | 26° 7 | 28°41 | 0°41 | 11° 5 | 29°20 | 2° 8 | 10°28 | 9°44 | 8°39 | n.a. | M11 |
| T 12 | 18 13 5 | 1°31'40 | 19° 3 | 16°14 | 18°21 | 26°45 | 28°54 | 0°40 | 11° 4 | 29°18 | 2° 8 | 10°28 | 9°41 | 8°46 | n.a. | T 12 |
| W13 | 18 17 1 | 2°29'40 | 1♉33 | 17°57 | 19°28 | 27°24 | 29° 7 | 0°39 | 11° 3 | 29°17 | 2° 9 | 10°26 | 9°38 | 8°52 | n.a. | W13 |
| T 14 | 18 20 58 | 3°27'42 | 13°50 | 19°43 | 20°34 | 28° 2 | 29°21 | 0°38 | 11° 1 | 29°16 | 2° 9 | 10°23 | 9°34 | 8°59 | n.a. | T 14 |
| F 15 | 18 24 54 | 4°25'46 | 25°56 | 21°33 | 21°41 | 28°40 | 29°34 | 0°37 | 11° 0 | 29°14 | 2°10 | 10°16 | 9°31 | 9° 6 | n.a. | F 15 |
| S 16 | 18 28 51 | 5°23'52 | 7♊56 | 23°24 | 22°48 | 29°19 | 29°47 | 0°36 | 10°59 | 29°13 | 2°10 | 10° 7 | 9°28 | 9°12 | n.a. | S 16 |
| S 17 | 18 32 47 | 6°22'00 | 19°51 | 25°17 | 23°56 | 29°57 | 29°59 | 0°36 | 10°58 | 29°12 | 2°11 | 9°55 | 9°25 | 9°19 | n.a. | S 17 |
| M18 | 18 36 44 | 7°20'10 | 1♋44 | 27°12 | 25° 3 | 0♋35 | 0♋13 | 0°35 | 10°57 | 29°11 | 2°11 | 9°41 | 9°22 | 9°26 | n.a. | M18 |
| T 19 | 18 40 41 | 8°18'22 | 13°36 | 29° 8 | 26°11 | 1°14 | 0°26 | 0°35 | 10°56 | 29°10 | 2°12 | 9°27 | 9°19 | 9°33 | n.a. | T 19 |
| W20 | 18 44 37 | 9°16'35 | 25°28 | 1♌ 4 | 27°18 | 1°52 | 0°39 | 0°35 | 10°55 | 29° 8 | 2°13 | 9°13 | 9°15 | 9°39 | n.a. | W20 |
| T 21 | 18 48 34 | 10°14'51 | 7♌23 | 3° 1 | 28°26 | 2°30 | 0°52 | 0°34 | 10°54 | 29° 7 | 2°13 | 9° 1 | 9°12 | 9°46 | n.a. | T 21 |
| F 22 | 18 52 30 | 11°13'08 | 19°20 | 4°58 | 29°34 | 3° 9 | 1° 5 | 0°34 | 10°54 | 29° 6 | 2°14 | 8°51 | 9° 9 | 9°53 | n.a. | F 22 |
| S 23 | 18 56 27 | 12°11'28 | 1♍24 | 6°55 | 0♊43 | 3°47 | 1°18 | 0°D34 | 10°53 | 29° 5 | 2°15 | 8°44 | 9° 6 | 10° 0 | n.a. | S 23 |
| S 24 | 19 0 23 | 13° 9'49 | 13°38 | 8°51 | 1°51 | 4°25 | 1°31 | 0°34 | 10°52 | 29° 4 | 2°16 | 8°39 | 9° 3 | 10° 6 | n.a. | S 24 |
| M25 | 19 4 20 | 14° 8'11 | 26° 4 | 10°47 | 3° 0 | 5° 4 | 1°44 | 0°34 | 10°52 | 29° 3 | 2°16 | 8°38 | 8°59 | 10°13 | n.a. | M25 |
| T 26 | 19 8 16 | 15° 6'36 | 8♎48 | 12°43 | 4° 8 | 5°42 | 1°57 | 0°35 | 10°51 | 29° 2 | 2°17 | 8°37 | 8°56 | 10°20 | n.a. | T 26 |
| W27 | 19 12 13 | 16° 5'02 | 21°53 | 14°38 | 5°17 | 6°21 | 2°10 | 0°35 | 10°50 | 29° 1 | 2°18 | 8°37 | 8°53 | 10°26 | n.a. | W27 |
| T 28 | 19 16 10 | 17° 3'30 | 5♏23 | 16°32 | 6°26 | 6°59 | 2°23 | 0°36 | 10°50 | 29° 0 | 2°19 | 8°36 | 8°50 | 10°33 | n.a. | T 28 |
| F 29 | 19 20 6 | 18° 2'00 | 19°21 | 18°25 | 7°35 | 7°37 | 2°36 | 0°36 | 10°49 | 28°59 | 2°20 | 8°33 | 8°47 | 10°40 | n.a. | F 29 |
| S 30 | 19 24 3 | 19° 0'32 | 3♐48 | 20°17 | 8°44 | 8°16 | 2°49 | 0°37 | 10°49 | 28°58 | 2°21 | 8°28 | 8°44 | 10°47 | n.a. | S 30 |
| S 31 | 19 27 59 | 19♋59'06 | 18♐40 | 22♋ 8 | 9♊54 | 8♋54 | 3♋ 2 | 0♏38 | 10♏49 | 28♏57 | 2♎22 | 8♈20 | 8♈40 | 10♋53 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n36 | 17s40 | 2s28 | 19n 1 | 2s 9 | 11n18 | 2s47 | 24n32 | 1n 1 | 24n27 | 0n35 | 10s14 | 1n56 | 15s23 | 0n10 | 19s27 | 1n 3 | 12n 3 | 14n 8 | 4n38 | 4n 9 | 28n50 | | n.a. |
| S 2 | 23 40 | 22 52 | 3 30 | 19 24 | 1 53 | 11 41 | 2 45 | 24 35 | 1 1 | 24 28 | 0 35 | 10 13 | 1 56 | 15 22 | 0 10 | 19 26 | 1 3 | 12 2 | 14 7 | 4 35 | 4 7 | 28 50 | | n.a. |
| S 3 | 23 43 | 26 42 | 4 19 | 19 49 | 1 38 | 12 4 | 2 43 | 24 38 | 1 2 | 24 28 | 0 35 | 10 13 | 1 55 | 15 22 | 0 10 | 19 26 | 1 2 | 12 2 | 14 6 | 4 32 | 4 6 | 28 49 | | n.a. |
| M 4 | 23 46 | 28 41 | 4 50 | 20 15 | 1 22 | 12 27 | 2 41 | 24 41 | 1 2 | 24 29 | 0 35 | 10 12 | 1 55 | 15 21 | 0 10 | 19 26 | 1 2 | 12 1 | 14 6 | 4 29 | 4 5 | 28 49 | | n.a. |
| T 5 | 23 49 | 28 28 | 5 1 | 20 41 | 1 7 | 12 49 | 2 39 | 24 44 | 1 2 | 24 29 | 0 35 | 10 12 | 1 55 | 15 21 | 0 10 | 19 26 | 1 2 | 12 1 | 14 5 | 4 24 | 4 3 | 28 49 | | n.a. |
| W 6 | 23 51 | 26 7 | 4 51 | 21 8 | 0 52 | 13 12 | 2 36 | 24 46 | 1 3 | 24 29 | 0 35 | 10 12 | 1 55 | 15 20 | 0 10 | 19 25 | 1 2 | 12 0 | 14 5 | 4 21 | 4 2 | 28 48 | | n.a. |
| T 7 | 23 53 | 22 0 | 4 21 | 21 35 | 0 37 | 13 35 | 2 34 | 24 48 | 1 3 | 24 30 | 0 35 | 10 11 | 1 55 | 15 20 | 0 10 | 19 25 | 1 2 | 12 0 | 14 4 | 4 17 | 4 1 | 28 48 | | n.a. |
| F 8 | 23 54 | 16 39 | 3 34 | 22 1 | 0 23 | 13 57 | 2 31 | 24 51 | 1 3 | 24 30 | 0 36 | 10 11 | 1 54 | 15 20 | 0 10 | 19 25 | 1 2 | 11 59 | 14 4 | 4 15 | 4 0 | 28 47 | | n.a. |
| S 9 | 23 55 | 10 34 | 2 36 | 22 28 | 0 9 | 14 19 | 2 28 | 24 52 | 1 3 | 24 30 | 0 36 | 10 11 | 1 54 | 15 19 | 0 9 | 19 25 | 1 2 | 11 58 | 14 3 | 4 14 | 3 58 | 28 47 | | n.a. |
| S 10 | 23 55 | 4 11 | 1 31 | 22 53 | 0n 4 | 14 41 | 2 26 | 24 54 | 1 4 | 24 31 | 0 36 | 10 10 | 1 54 | 15 19 | 0 9 | 19 24 | 1 2 | 11 58 | 14 3 | 4 13 | 3 57 | 28 46 | | n.a. |
| M11 | 23 55 | 2n12 | 0 22 | 23 17 | 0 17 | 15 2 | 2 23 | 24 56 | 1 4 | 24 31 | 0 36 | 10 10 | 1 54 | 15 18 | 0 9 | 19 24 | 1 2 | 11 57 | 14 2 | 4 13 | 3 56 | 28 46 | | n.a. |
| T 12 | 23 55 | 8 18 | 0n45 | 23 40 | 0 29 | 15 24 | 2 20 | 24 57 | 1 4 | 24 31 | 0 36 | 10 10 | 1 53 | 15 18 | 0 9 | 19 24 | 1 2 | 11 56 | 14 2 | 4 13 | 3 55 | 28 46 | | n.a. |
| W13 | 23 54 | 13 57 | 1 49 | 24 1 | 0 40 | 15 45 | 2 17 | 24 58 | 1 4 | 24 31 | 0 36 | 10 10 | 1 53 | 15 18 | 0 9 | 19 23 | 1 2 | 11 56 | 14 1 | 4 13 | 3 53 | 28 45 | | n.a. |
| T 14 | 23 53 | 18 57 | 2 46 | 24 21 | 0 50 | 16 6 | 2 14 | 24 59 | 1 5 | 24 31 | 0 36 | 10 10 | 1 53 | 15 17 | 0 9 | 19 23 | 1 2 | 11 55 | 14 0 | 4 11 | 3 52 | 28 45 | | n.a. |
| F 15 | 23 51 | 23 6 | 3 35 | 24 38 | 0 59 | 16 26 | 2 11 | 25 0 | 1 5 | 24 32 | 0 36 | 10 10 | 1 53 | 15 17 | 0 9 | 19 23 | 1 2 | 11 54 | 14 0 | 4 9 | 3 51 | 28 44 | | n.a. |
| S 16 | 23 49 | 26 15 | 4 14 | 24 53 | 1 8 | 16 47 | 2 8 | 25 0 | 1 5 | 24 32 | 0 36 | 10 10 | 1 52 | 15 17 | 0 9 | 19 23 | 1 2 | 11 54 | 13 59 | 4 5 | 3 49 | 28 44 | | n.a. |
| S 17 | 23 46 | 28 12 | 4 41 | 25 6 | 1 16 | 17 7 | 2 5 | 25 1 | 1 5 | 24 32 | 0 36 | 10 10 | 1 52 | 15 16 | 0 9 | 19 22 | 1 2 | 11 53 | 13 59 | 4 0 | 3 48 | 28 43 | | n.a. |
| M18 | 23 43 | 28 51 | 4 56 | 25 16 | 1 22 | 17 26 | 2 2 | 25 1 | 1 6 | 24 32 | 0 37 | 10 10 | 1 52 | 15 16 | 0 9 | 19 22 | 1 2 | 11 52 | 13 58 | 3 55 | 3 47 | 28 43 | | n.a. |
| T 19 | 23 39 | 28 9 | 4 58 | 25 24 | 1 28 | 17 46 | 1 59 | 25 1 | 1 6 | 24 32 | 0 37 | 10 10 | 1 52 | 15 16 | 0 9 | 19 22 | 1 2 | 11 51 | 13 58 | 3 49 | 3 46 | 28 42 | | n.a. |
| W20 | 23 35 | 26 11 | 4 47 | 25 29 | 1 34 | 18 5 | 1 56 | 25 1 | 1 6 | 24 32 | 0 37 | 10 10 | 1 51 | 15 15 | 0 9 | 19 22 | 1 2 | 11 51 | 13 57 | 3 43 | 3 44 | 28 42 | | n.a. |
| T 21 | 23 31 | 23 2 | 4 24 | 25 31 | 1 38 | 18 23 | 1 52 | 25 0 | 1 6 | 24 32 | 0 37 | 10 10 | 1 51 | 15 15 | 0 9 | 19 22 | 1 2 | 11 50 | 13 57 | 3 38 | 3 43 | 28 41 | | n.a. |
| F 22 | 23 26 | 18 56 | 3 49 | 25 31 | 1 41 | 18 42 | 1 49 | 25 0 | 1 7 | 24 32 | 0 37 | 10 10 | 1 51 | 15 15 | 0 9 | 19 21 | 1 2 | 11 49 | 13 56 | 3 34 | 3 42 | 28 41 | | n.a. |
| S 23 | 23 21 | 14 2 | 3 3 | 25 28 | 1 44 | 18 59 | 1 46 | 24 59 | 1 7 | 24 32 | 0 37 | 10 11 | 1 51 | 15 15 | 0 9 | 19 21 | 1 2 | 11 48 | 13 56 | 3 32 | 3 41 | 28 40 | | n.a. |
| S 24 | 23 15 | 8 31 | 2 8 | 25 23 | 1 46 | 19 17 | 1 42 | 24 58 | 1 7 | 24 32 | 0 37 | 10 11 | 1 51 | 15 14 | 0 9 | 19 21 | 1 2 | 11 48 | 13 55 | 3 30 | 3 39 | 28 39 | | n.a. |
| M25 | 23 9 | 2 36 | 1 6 | 25 16 | 1 48 | 19 34 | 1 39 | 24 57 | 1 7 | 24 32 | 0 37 | 10 11 | 1 50 | 15 14 | 0 9 | 19 21 | 1 2 | 11 47 | 13 55 | 3 29 | 3 38 | 28 39 | | n.a. |
| T 26 | 23 3 | 3s34 | 0s 1 | 25 6 | 1 48 | 19 50 | 1 35 | 24 55 | 1 7 | 24 32 | 0 37 | 10 11 | 1 50 | 15 14 | 0 9 | 19 21 | 1 2 | 11 46 | 13 54 | 3 29 | 3 37 | 28 38 | | n.a. |
| W27 | 22 56 | 9 46 | 1 9 | 24 54 | 1 49 | 20 6 | 1 32 | 24 54 | 1 8 | 24 32 | 0 38 | 10 12 | 1 50 | 15 14 | 0 9 | 19 20 | 1 2 | 11 45 | 13 54 | 3 29 | 3 35 | 28 38 | | n.a. |
| T 28 | 22 48 | 15 43 | 2 16 | 24 40 | 1 48 | 20 22 | 1 28 | 24 52 | 1 8 | 24 32 | 0 38 | 10 12 | 1 50 | 15 14 | 0 9 | 19 20 | 1 2 | 11 44 | 13 53 | 3 29 | 3 34 | 28 37 | | n.a. |
| F 29 | 22 41 | 21 5 | 3 17 | 24 24 | 1 47 | 20 37 | 1 25 | 24 50 | 1 8 | 24 32 | 0 38 | 10 13 | 1 49 | 15 14 | 0 9 | 19 20 | 1 2 | 11 43 | 13 52 | 3 28 | 3 33 | 28 37 | | n.a. |
| S 30 | 22 33 | 25 23 | 4 8 | 24 6 | 1 45 | 20 52 | 1 21 | 24 48 | 1 8 | 24 31 | 0 38 | 10 13 | 1 49 | 15 13 | 0 9 | 19 20 | 1 2 | 11 42 | 13 52 | 3 25 | 3 32 | 28 36 | | n.a. |
| S 31 | 22n24 | 28s 8 | 4s43 | 23n46 | 1n43 | 21n 6 | 1s18 | 24n45 | 1n 8 | 24n31 | 0n38 | 10s14 | 1n49 | 15s13 | 0n 9 | 19s20 | 1n 2 | 11n42 | 13n51 | 3n22 | 3n30 | 28n35 | | n.a. |

Julian Day Number = 1005714.5, Delta T = 12h45m55s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'24, Lahiri = -30°58'24 Julian Calendar 1 July 1960 BCE == Greg. Calendar 14 June 1960 BCE

The year -1959 astronomical counting style corresponds to year 1960 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## AUGUST 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 31 56 | 20♋57'41 | 3♉50 | 23♋58 | 11♊ 3 | 9♋33 | 3♋15 | 0♏38 | 10°R48 | 28°R57 | 2♎23 | 8°R10 | 8♈37 | 11♋ 0 | n.a. | M 1 |
| T 2 | 19 35 52 | 21°56'19 | 19°10 | 25°47 | 12°13 | 10°11 | 3°28 | 0°39 | 10♏48 | 28♏56 | 2°24 | 8♈ 0 | 8°34 | 11° 7 | n.a. | T 2 |
| W 3 | 19 39 49 | 22°54'58 | 4♒27 | 27°36 | 13°23 | 10°50 | 3°40 | 0°40 | 10°48 | 28°55 | 2°25 | 7°49 | 8°31 | 11°14 | n.a. | W 3 |
| T 4 | 19 43 45 | 23°53'40 | 19°30 | 29°23 | 14°33 | 11°28 | 3°53 | 0°42 | 10°48 | 28°54 | 2°27 | 7°41 | 8°28 | 11°20 | n.a. | T 4 |
| F 5 | 19 47 42 | 24°52'24 | 4♓10 | 1♌ 9 | 15°43 | 12° 6 | 4° 6 | 0°43 | 10°47 | 28°53 | 2°28 | 7°35 | 8°25 | 11°27 | n.a. | F 5 |
| S 6 | 19 51 39 | 25°51'11 | 18°23 | 2°54 | 16°53 | 12°45 | 4°19 | 0°44 | 10°47 | 28°53 | 2°29 | 7°31 | 8°21 | 11°34 | n.a. | S 6 |
| S 7 | 19 55 35 | 26°50'00 | 2♈ 6 | 4°38 | 18° 4 | 13°23 | 4°31 | 0°46 | 10°D47 | 28°52 | 2°30 | 7°D30 | 8°18 | 11°40 | n.a. | S 7 |
| M 8 | 19 59 32 | 27°48'51 | 15°21 | 6°21 | 19°14 | 14° 2 | 4°44 | 0°47 | 10°47 | 28°51 | 2°32 | 7°30 | 8°15 | 11°47 | n.a. | M 8 |
| T 9 | 20 3 28 | 28°47'44 | 28°11 | 8° 3 | 20°25 | 14°41 | 4°56 | 0°49 | 10°47 | 28°51 | 2°33 | 7°R30 | 8°12 | 11°54 | n.a. | T 9 |
| W10 | 20 7 25 | 29°46'41 | 10♉41 | 9°44 | 21°35 | 15°19 | 5° 9 | 0°50 | 10°48 | 28°50 | 2°34 | 7°29 | 8° 9 | 12° 1 | n.a. | W10 |
| T 11 | 20 11 21 | 0♌45'39 | 22°54 | 11°24 | 22°46 | 15°58 | 5°21 | 0°52 | 10°48 | 28°50 | 2°36 | 7°27 | 8° 5 | 12° 7 | n.a. | T 11 |
| F 12 | 20 15 18 | 1°44'41 | 4♊57 | 13° 3 | 23°57 | 16°36 | 5°34 | 0°54 | 10°48 | 28°49 | 2°37 | 7°22 | 8° 2 | 12°14 | n.a. | F 12 |
| S 13 | 20 19 14 | 2°43'44 | 16°53 | 14°41 | 25° 8 | 17°15 | 5°46 | 0°56 | 10°48 | 28°49 | 2°38 | 7°15 | 7°59 | 12°21 | n.a. | S 13 |
| S 14 | 20 23 11 | 3°42'50 | 28°45 | 16°19 | 26°20 | 17°53 | 5°59 | 0°58 | 10°49 | 28°48 | 2°40 | 7° 5 | 7°56 | 12°28 | n.a. | S 14 |
| M15 | 20 27 7 | 4°41'59 | 10♋36 | 17°55 | 27°31 | 18°32 | 6°11 | 1° 0 | 10°49 | 28°48 | 2°41 | 6°54 | 7°53 | 12°34 | n.a. | M15 |
| T 16 | 20 31 4 | 5°41'09 | 22°29 | 19°31 | 28°42 | 19°11 | 6°23 | 1° 3 | 10°49 | 28°47 | 2°43 | 6°42 | 7°50 | 12°41 | n.a. | T 16 |
| W17 | 20 35 1 | 6°40'22 | 4♌25 | 21° 5 | 29°54 | 19°49 | 6°35 | 1° 5 | 10°50 | 28°47 | 2°44 | 6°30 | 7°46 | 12°48 | n.a. | W17 |
| T 18 | 20 38 57 | 7°39'38 | 16°26 | 22°39 | 1♋ 5 | 20°28 | 6°48 | 1° 7 | 10°50 | 28°47 | 2°46 | 6°19 | 7°43 | 12°54 | n.a. | T 18 |
| F 19 | 20 42 54 | 8°38'55 | 28°32 | 24°12 | 2°17 | 21° 7 | 7° 0 | 1°10 | 10°51 | 28°46 | 2°48 | 6°11 | 7°40 | 13° 1 | n.a. | F 19 |
| S 20 | 20 46 50 | 9°38'14 | 10♍46 | 25°44 | 3°29 | 21°45 | 7°12 | 1°13 | 10°52 | 28°46 | 2°49 | 6° 5 | 7°37 | 13° 8 | n.a. | S 20 |
| S 21 | 20 50 47 | 10°37'36 | 23° 8 | 27°15 | 4°41 | 22°24 | 7°24 | 1°15 | 10°52 | 28°46 | 2°51 | 6° 2 | 7°34 | 13°15 | n.a. | S 21 |
| M22 | 20 54 43 | 11°36'59 | 5♎43 | 28°46 | 5°53 | 23° 3 | 7°36 | 1°18 | 10°53 | 28°45 | 2°52 | 6°D 1 | 7°30 | 13°21 | n.a. | M22 |
| T 23 | 20 58 40 | 12°36'25 | 18°31 | 0♍15 | 7° 5 | 23°41 | 7°48 | 1°21 | 10°54 | 28°45 | 2°54 | 6° 2 | 7°27 | 13°28 | n.a. | T 23 |
| W24 | 21 2 36 | 13°35'52 | 1♏37 | 1°44 | 8°17 | 24°20 | 7°59 | 1°24 | 10°55 | 28°45 | 2°56 | 6° 3 | 7°24 | 13°35 | n.a. | W24 |
| T 25 | 21 6 33 | 14°35'22 | 15° 3 | 3°12 | 9°30 | 24°59 | 8°11 | 1°27 | 10°56 | 28°45 | 2°58 | 6°R 3 | 7°21 | 13°41 | n.a. | T 25 |
| F 26 | 21 10 29 | 15°34'53 | 28°52 | 4°39 | 10°42 | 25°37 | 8°23 | 1°30 | 10°57 | 28°45 | 2°59 | 6° 3 | 7°18 | 13°48 | n.a. | F 26 |
| S 27 | 21 14 26 | 16°34'26 | 13♐ 4 | 6° 5 | 11°54 | 26°16 | 8°35 | 1°34 | 10°58 | 28°45 | 3° 1 | 6° 0 | 7°15 | 13°55 | n.a. | S 27 |
| S 28 | 21 18 23 | 17°34'02 | 27°39 | 7°30 | 13° 7 | 26°55 | 8°46 | 1°37 | 10°59 | 28°D45 | 3° 3 | 5°55 | 7°11 | 14° 2 | n.a. | S 28 |
| M29 | 21 22 19 | 18°33'39 | 12♑31 | 8°55 | 14°20 | 27°34 | 8°58 | 1°40 | 11° 0 | 28°45 | 3° 5 | 5°49 | 7° 8 | 14° 8 | n.a. | M29 |
| T 30 | 21 26 16 | 19°33'18 | 27°34 | 10°18 | 15°32 | 28°13 | 9° 9 | 1°44 | 11° 1 | 28°45 | 3° 7 | 5°41 | 7° 5 | 14°15 | n.a. | T 30 |
| W31 | 21 30 12 | 20♌32'59 | 12♒39 | 11♍41 | 16♋45 | 28♋51 | 9♋21 | 1♏48 | 11♏ 2 | 28♏45 | 3♎ 9 | 5♈34 | 7♈ 2 | 14♋22 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n15 | 28s52 | 5s 0 | 23n24 | 1n41 | 21n20 | 1s14 | 24n43 | 1n 9 | 24n31 | 0n38 | 10s14 | 1n49 | 15s13 | 0n 9 | 19s20 | 1n 1 | 11n41 | 13n51 | 3n18 | 3n29 | 28n35 | | n.a. |
| T 2 | 22 6 | 27 23 | 4 55 | 23 1 | 1 38 | 21 33 | 1 11 | 24 40 | 1 9 | 24 31 | 0 38 | 10 15 | 1 48 | 15 13 | 0 9 | 19 19 | 1 1 | 11 40 | 13 50 | 3 14 | 3 28 | 28 34 | | n.a. |
| W 3 | 21 56 | 23 53 | 4 29 | 22 36 | 1 35 | 21 45 | 1 7 | 24 37 | 1 9 | 24 31 | 0 38 | 10 15 | 1 48 | 15 13 | 0 9 | 19 19 | 1 1 | 11 39 | 13 50 | 3 10 | 3 27 | 28 33 | | n.a. |
| T 4 | 21 46 | 18 49 | 3 45 | 22 10 | 1 31 | 21 57 | 1 4 | 24 34 | 1 9 | 24 30 | 0 38 | 10 16 | 1 48 | 15 13 | 0 9 | 19 19 | 1 1 | 11 38 | 13 49 | 3 6 | 3 25 | 28 33 | | n.a. |
| F 5 | 21 35 | 12 45 | 2 47 | 21 43 | 1 27 | 22 9 | 1 0 | 24 31 | 1 10 | 24 30 | 0 39 | 10 17 | 1 48 | 15 13 | 0 9 | 19 19 | 1 1 | 11 37 | 13 49 | 3 4 | 3 24 | 28 32 | | n.a. |
| S 6 | 21 24 | 6 12 | 1 39 | 21 15 | 1 23 | 22 20 | 0 56 | 24 27 | 1 10 | 24 30 | 0 39 | 10 17 | 1 47 | 15 13 | 0 9 | 19 19 | 1 1 | 11 36 | 13 48 | 3 2 | 3 23 | 28 31 | | n.a. |
| S 7 | 21 13 | 0n25 | 0 29 | 20 45 | 1 18 | 22 30 | 0 53 | 24 24 | 1 10 | 24 29 | 0 39 | 10 18 | 1 47 | 15 13 | 0 9 | 19 19 | 1 1 | 11 35 | 13 48 | 3 2 | 3 21 | 28 31 | | n.a. |
| M 8 | 21 1 | 6 48 | 0n42 | 20 14 | 1 13 | 22 40 | 0 49 | 24 20 | 1 10 | 24 29 | 0 39 | 10 19 | 1 47 | 15 13 | 0 9 | 19 19 | 1 1 | 11 34 | 13 47 | 3 2 | 3 20 | 28 30 | | n.a. |
| T 9 | 20 49 | 12 43 | 1 48 | 19 43 | 1 8 | 22 49 | 0 45 | 24 16 | 1 10 | 24 29 | 0 39 | 10 20 | 1 47 | 15 13 | 0 9 | 19 19 | 1 1 | 11 33 | 13 47 | 3 2 | 3 19 | 28 29 | | n.a. |
| W10 | 20 36 | 17 57 | 2 47 | 19 10 | 1 2 | 22 57 | 0 42 | 24 11 | 1 10 | 24 28 | 0 39 | 10 20 | 1 46 | 15 13 | 0 9 | 19 19 | 1 1 | 11 32 | 13 46 | 3 2 | 3 18 | 28 29 | | n.a. |
| T 11 | 20 24 | 22 21 | 3 37 | 18 37 | 0 57 | 23 5 | 0 38 | 24 7 | 1 11 | 24 28 | 0 39 | 10 21 | 1 46 | 15 13 | 0 9 | 19 18 | 1 1 | 11 31 | 13 46 | 3 1 | 3 16 | 28 28 | | n.a. |
| F 12 | 20 10 | 25 45 | 4 16 | 18 3 | 0 51 | 23 12 | 0 35 | 24 2 | 1 11 | 24 28 | 0 40 | 10 22 | 1 46 | 15 13 | 0 9 | 19 18 | 1 1 | 11 30 | 13 46 | 2 59 | 3 15 | 28 27 | | n.a. |
| S 13 | 19 57 | 27 58 | 4 44 | 17 28 | 0 45 | 23 19 | 0 31 | 23 57 | 1 11 | 24 27 | 0 40 | 10 23 | 1 46 | 15 14 | 0 9 | 19 18 | 1 1 | 11 29 | 13 45 | 2 56 | 3 14 | 28 27 | | n.a. |
| S 14 | 19 43 | 28 54 | 4 59 | 16 52 | 0 38 | 23 25 | 0 28 | 23 52 | 1 11 | 24 27 | 0 40 | 10 24 | 1 46 | 15 14 | 0 9 | 19 18 | 1 1 | 11 28 | 13 45 | 2 52 | 3 12 | 28 26 | | n.a. |
| M15 | 19 28 | 28 30 | 5 2 | 16 16 | 0 32 | 23 30 | 0 24 | 23 47 | 1 11 | 24 26 | 0 40 | 10 25 | 1 45 | 15 14 | 0 9 | 19 18 | 1 1 | 11 27 | 13 44 | 2 47 | 3 11 | 28 25 | | n.a. |
| T 16 | 19 14 | 26 47 | 4 51 | 15 40 | 0 25 | 23 34 | 0 21 | 23 42 | 1 12 | 24 26 | 0 40 | 10 26 | 1 45 | 15 14 | 0 9 | 19 18 | 1 1 | 11 26 | 13 44 | 2 43 | 3 10 | 28 24 | | n.a. |
| W17 | 18 59 | 23 52 | 4 28 | 15 3 | 0 19 | 23 38 | 0 17 | 23 36 | 1 12 | 24 26 | 0 40 | 10 27 | 1 45 | 15 14 | 0 9 | 19 18 | 1 1 | 11 25 | 13 43 | 2 38 | 3 9 | 28 24 | | n.a. |
| T 18 | 18 43 | 19 55 | 3 53 | 14 26 | 0 12 | 23 41 | 0 14 | 23 31 | 1 12 | 24 25 | 0 40 | 10 28 | 1 45 | 15 14 | 0 9 | 19 18 | 1 1 | 11 24 | 13 43 | 2 34 | 3 7 | 28 23 | | n.a. |
| F 19 | 18 28 | 15 7 | 3 6 | 13 48 | 0 5 | 23 44 | 0 10 | 23 25 | 1 12 | 24 25 | 0 41 | 10 29 | 1 44 | 15 15 | 0 9 | 19 18 | 1 1 | 11 23 | 13 42 | 2 30 | 3 6 | 28 22 | | n.a. |
| S 20 | 18 12 | 9 41 | 2 11 | 13 10 | 0s 2 | 23 46 | 0 7 | 23 19 | 1 12 | 24 24 | 0 41 | 10 30 | 1 44 | 15 15 | 0 9 | 19 18 | 1 1 | 11 22 | 13 42 | 2 28 | 3 5 | 28 21 | | n.a. |
| S 21 | 17 55 | 3 49 | 1 9 | 12 32 | 0 9 | 23 47 | 0 3 | 23 12 | 1 12 | 24 23 | 0 41 | 10 32 | 1 44 | 15 15 | 0 9 | 19 18 | 1 1 | 11 21 | 13 41 | 2 27 | 3 4 | 28 20 | | n.a. |
| M22 | 17 39 | 2s17 | 0 2 | 11 53 | 0 16 | 23 47 | 0 0 | 23 6 | 1 13 | 24 23 | 0 41 | 10 33 | 1 44 | 15 15 | 0 9 | 19 18 | 1 1 | 11 20 | 13 41 | 2 26 | 3 2 | 28 20 | | n.a. |
| T 23 | 17 22 | 8 25 | 1s 7 | 11 14 | 0 24 | 23 47 | 0n 3 | 22 59 | 1 13 | 24 22 | 0 41 | 10 34 | 1 43 | 15 15 | 0 9 | 19 18 | 1 1 | 11 19 | 13 41 | 2 27 | 3 1 | 28 19 | | n.a. |
| W24 | 17 5 | 14 21 | 2 13 | 10 36 | 0 31 | 23 46 | 0 7 | 22 53 | 1 13 | 24 22 | 0 41 | 10 35 | 1 43 | 15 16 | 0 9 | 19 18 | 1 1 | 11 18 | 13 40 | 2 27 | 3 0 | 28 18 | | n.a. |
| T 25 | 16 47 | 19 46 | 3 14 | 9 57 | 0 38 | 23 44 | 0 10 | 22 46 | 1 13 | 24 21 | 0 41 | 10 37 | 1 43 | 15 16 | 0 9 | 19 18 | 1 0 | 11 17 | 13 40 | 2 27 | 2 58 | 28 17 | | n.a. |
| F 26 | 16 29 | 24 18 | 4 5 | 9 18 | 0 45 | 23 42 | 0 13 | 22 39 | 1 13 | 24 21 | 0 42 | 10 38 | 1 43 | 15 16 | 0 9 | 19 18 | 1 0 | 11 16 | 13 39 | 2 27 | 2 57 | 28 16 | | n.a. |
| S 27 | 16 11 | 27 30 | 4 43 | 8 39 | 0 53 | 23 39 | 0 16 | 22 31 | 1 13 | 24 20 | 0 42 | 10 39 | 1 43 | 15 17 | 0 9 | 19 18 | 1 0 | 11 15 | 13 39 | 2 26 | 2 56 | 28 16 | | n.a. |
| S 28 | 15 53 | 28 58 | 5 4 | 8 0 | 1 0 | 23 35 | 0 19 | 22 24 | 1 13 | 24 19 | 0 42 | 10 41 | 1 42 | 15 17 | 0 9 | 19 18 | 1 0 | 11 13 | 13 39 | 2 24 | 2 55 | 28 15 | | n.a. |
| M29 | 15 34 | 28 23 | 5 5 | 7 21 | 1 7 | 23 30 | 0 22 | 22 16 | 1 14 | 24 19 | 0 42 | 10 42 | 1 42 | 15 17 | 0 9 | 19 18 | 1 0 | 11 12 | 13 38 | 2 21 | 2 53 | 28 14 | | n.a. |
| T 30 | 15 15 | 25 43 | 4 45 | 6 43 | 1 14 | 23 25 | 0 25 | 22 8 | 1 14 | 24 18 | 0 42 | 10 43 | 1 42 | 15 18 | 0 9 | 19 18 | 1 0 | 11 11 | 13 38 | 2 18 | 2 52 | 28 13 | | n.a. |
| W31 | 14n56 | 21s17 | 4s 6 | 6n 4 | 1s22 | 23n19 | 0n28 | 22n 0 | 1n14 | 24n18 | 0n42 | 10s45 | 1n42 | 15s18 | 0n 9 | 19s18 | 1n 0 | 11n10 | 13n37 | 2n15 | 2n51 | 28n12 | | n.a. |

Julian Day Number = 1005745.5, Delta T = 12h45m53s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'20, Lahiri = -30°58'20 Julian Calendar 1 Aug. 1960 BCE == Greg. Calendar 15 July 1960 BCE

The year -1959 astronomical counting style corresponds to year 1960 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## SEPTEMBER 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 34 9 | 21♌32'43 | 27♒35 | 13♍ 2 | 17♋58 | 29♋30 | 9♋32 | 1♏51 | 11♏ 3 | 28♏45 | 3♎11 | 5°R29 | 6♈59 | 14♋29 | n.a. | T 1 |
| F 2 | 21 38 5 | 22°32'28 | 12♓14 | 14°22 | 19°11 | 0♌ 9 | 9°43 | 1°55 | 11° 5 | 28°45 | 3°12 | 5♈24 | 6°56 | 14°35 | n.a. | F 2 |
| S 3 | 21 42 2 | 23°32'16 | 26°29 | 15°41 | 20°24 | 0°48 | 9°54 | 1°59 | 11° 6 | 28°46 | 3°14 | 5°22 | 6°52 | 14°42 | n.a. | S 3 |
| S 4 | 21 45 58 | 24°32'05 | 10♈18 | 16°59 | 21°37 | 1°27 | 10° 5 | 2° 3 | 11° 7 | 28°46 | 3°16 | 5°D22 | 6°49 | 14°49 | n.a. | S 4 |
| M 5 | 21 49 55 | 25°31'58 | 23°40 | 18°16 | 22°51 | 2° 6 | 10°16 | 2° 7 | 11° 9 | 28°46 | 3°18 | 5°23 | 6°46 | 14°55 | n.a. | M 5 |
| T 6 | 21 53 51 | 26°31'52 | 6♉36 | 19°31 | 24° 4 | 2°45 | 10°27 | 2°11 | 11°10 | 28°46 | 3°20 | 5°25 | 6°43 | 15° 2 | n.a. | T 6 |
| W 7 | 21 57 48 | 27°31'50 | 19°10 | 20°45 | 25°17 | 3°23 | 10°38 | 2°15 | 11°12 | 28°47 | 3°22 | 5°26 | 6°40 | 15° 9 | n.a. | W 7 |
| T 8 | 22 1 45 | 28°31'49 | 1♊26 | 21°57 | 26°31 | 4° 2 | 10°49 | 2°19 | 11°14 | 28°47 | 3°25 | 5°R26 | 6°36 | 15°16 | n.a. | T 8 |
| F 9 | 22 5 41 | 29°31'51 | 13°29 | 23° 7 | 27°45 | 4°41 | 11° 0 | 2°24 | 11°15 | 28°47 | 3°27 | 5°25 | 6°33 | 15°22 | n.a. | F 9 |
| S 10 | 22 9 38 | 0♍31'55 | 25°25 | 24°16 | 28°58 | 5°20 | 11°10 | 2°28 | 11°17 | 28°48 | 3°29 | 5°22 | 6°30 | 15°29 | n.a. | S 10 |
| S 11 | 22 13 34 | 1°32'02 | 7♋16 | 25°22 | 0♌12 | 5°59 | 11°21 | 2°32 | 11°19 | 28°48 | 3°31 | 5°18 | 6°27 | 15°36 | n.a. | S 11 |
| M12 | 22 17 31 | 2°32'11 | 19° 8 | 26°26 | 1°26 | 6°38 | 11°31 | 2°37 | 11°20 | 28°49 | 3°33 | 5°13 | 6°24 | 15°43 | n.a. | M12 |
| T 13 | 22 21 27 | 3°32'22 | 1♌ 4 | 27°27 | 2°40 | 7°17 | 11°41 | 2°42 | 11°22 | 28°49 | 3°35 | 5° 7 | 6°21 | 15°49 | n.a. | T 13 |
| W14 | 22 25 24 | 4°32'35 | 13° 5 | 28°25 | 3°53 | 7°56 | 11°52 | 2°46 | 11°24 | 28°50 | 3°37 | 5° 1 | 6°17 | 15°56 | n.a. | W14 |
| T 15 | 22 29 20 | 5°32'50 | 25°14 | 29°20 | 5° 7 | 8°35 | 12° 2 | 2°51 | 11°26 | 28°50 | 3°39 | 4°56 | 6°14 | 16° 3 | n.a. | T 15 |
| F 16 | 22 33 17 | 6°33'07 | 7♍33 | 0♎12 | 6°21 | 9°14 | 12°12 | 2°56 | 11°28 | 28°51 | 3°42 | 4°52 | 6°11 | 16° 9 | n.a. | F 16 |
| S 17 | 22 37 13 | 7°33'26 | 20° 2 | 0°59 | 7°36 | 9°53 | 12°22 | 3° 1 | 11°30 | 28°52 | 3°44 | 4°50 | 6° 8 | 16°16 | n.a. | S 17 |
| S 18 | 22 41 10 | 8°33'47 | 2♎42 | 1°42 | 8°50 | 10°33 | 12°32 | 3° 6 | 11°32 | 28°52 | 3°46 | 4°D49 | 6° 5 | 16°23 | n.a. | S 18 |
| M19 | 22 45 7 | 9°34'10 | 15°34 | 2°20 | 10° 4 | 11°12 | 12°41 | 3°11 | 11°34 | 28°53 | 3°48 | 4°49 | 6° 2 | 16°30 | n.a. | M19 |
| T 20 | 22 49 3 | 10°34'34 | 28°38 | 2°53 | 11°18 | 11°51 | 12°51 | 3°16 | 11°36 | 28°54 | 3°50 | 4°50 | 5°58 | 16°36 | n.a. | T 20 |
| W21 | 22 53 0 | 11°35'00 | 11♏56 | 3°19 | 12°33 | 12°30 | 13° 1 | 3°21 | 11°38 | 28°55 | 3°53 | 4°52 | 5°55 | 16°43 | n.a. | W21 |
| T 22 | 22 56 56 | 12°35'28 | 25°29 | 3°39 | 13°47 | 13° 9 | 13°10 | 3°26 | 11°41 | 28°56 | 3°55 | 4°53 | 5°52 | 16°50 | n.a. | T 22 |
| F 23 | 23 0 53 | 13°35'57 | 9♐17 | 3°51 | 15° 1 | 13°48 | 13°19 | 3°31 | 11°43 | 28°56 | 3°57 | 4°R54 | 5°49 | 16°56 | n.a. | F 23 |
| S 24 | 23 4 49 | 14°36'28 | 23°20 | 3°R55 | 16°16 | 14°27 | 13°28 | 3°37 | 11°45 | 28°57 | 4° 0 | 4°54 | 5°46 | 17° 3 | n.a. | S 24 |
| S 25 | 23 8 46 | 15°37'01 | 7♑38 | 3°51 | 17°30 | 15° 6 | 13°38 | 3°42 | 11°47 | 28°58 | 4° 2 | 4°53 | 5°42 | 17°10 | n.a. | S 25 |
| M26 | 23 12 42 | 16°37'34 | 22° 7 | 3°37 | 18°45 | 15°46 | 13°47 | 3°48 | 11°50 | 28°59 | 4° 4 | 4°51 | 5°39 | 17°17 | n.a. | M26 |
| T 27 | 23 16 39 | 17°38'10 | 6♒43 | 3°13 | 19°59 | 16°25 | 13°55 | 3°53 | 11°52 | 29° 0 | 4° 7 | 4°49 | 5°36 | 17°23 | n.a. | T 27 |
| W28 | 23 20 36 | 18°38'46 | 21°21 | 2°39 | 21°14 | 17° 4 | 14° 4 | 3°59 | 11°55 | 29° 1 | 4° 9 | 4°46 | 5°33 | 17°30 | n.a. | W28 |
| T 29 | 23 24 32 | 19°39'24 | 5♓54 | 1°55 | 22°29 | 17°43 | 14°13 | 4° 4 | 11°57 | 29° 2 | 4°11 | 4°45 | 5°30 | 17°37 | n.a. | T 29 |
| F 30 | 23 28 29 | 20♍40'04 | 20♓15 | 1♎ 1 | 23♌43 | 18♌23 | 14♋21 | 4♏10 | 12♏ 0 | 29♏ 3 | 4♎14 | 4♈43 | 5♈27 | 17♋44 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n36 | 15s31 | 3s10 | 5n26 | 1s29 | 23n12 | 0n31 | 21n52 | 1n14 | 24n17 | 0n43 | 10s46 | 1n41 | 15s19 | 0n 9 | 19s18 | 1n 0 | 11n 9 | 13n37 | 2n13 | 2n49 | 28n11 | | n.a. |
| F 2 | 14 17 | 8 59 | 2 2 | 4 48 | 1 36 | 23 5 | 0 34 | 21 44 | 1 14 | 24 16 | 0 43 | 10 48 | 1 41 | 15 19 | 0 9 | 19 19 | 1 0 | 11 8 | 13 37 | 2 11 | 2 48 | 28 10 | | n.a. |
| S 3 | 13 57 | 2 9 | 0 48 | 4 11 | 1 43 | 22 57 | 0 37 | 21 35 | 1 14 | 24 16 | 0 43 | 10 49 | 1 41 | 15 20 | 0 9 | 19 19 | 1 0 | 11 7 | 13 36 | 2 11 | 2 47 | 28 9 | | n.a. |
| S 4 | 13 36 | 4n34 | 0n27 | 3 34 | 1 49 | 22 48 | 0 40 | 21 27 | 1 14 | 24 15 | 0 43 | 10 51 | 1 41 | 15 20 | 0 9 | 19 19 | 1 0 | 11 6 | 13 36 | 2 10 | 2 46 | 28 9 | | n.a. |
| M 5 | 13 16 | 10 52 | 1 38 | 2 57 | 1 56 | 22 39 | 0 43 | 21 18 | 1 14 | 24 14 | 0 43 | 10 53 | 1 41 | 15 20 | 0 9 | 19 19 | 1 0 | 11 5 | 13 36 | 2 11 | 2 44 | 28 8 | | n.a. |
| T 6 | 12 55 | 16 31 | 2 41 | 2 21 | 2 3 | 22 28 | 0 45 | 21 9 | 1 15 | 24 13 | 0 44 | 10 54 | 1 40 | 15 21 | 0 9 | 19 19 | 1 0 | 11 3 | 13 35 | 2 12 | 2 43 | 28 7 | | n.a. |
| W 7 | 12 34 | 21 19 | 3 35 | 1 46 | 2 9 | 22 17 | 0 48 | 21 0 | 1 15 | 24 13 | 0 44 | 10 56 | 1 40 | 15 21 | 0 8 | 19 19 | 1 0 | 11 2 | 13 35 | 2 12 | 2 42 | 28 6 | | n.a. |
| T 8 | 12 13 | 25 4 | 4 18 | 1 12 | 2 15 | 22 6 | 0 50 | 20 51 | 1 15 | 24 12 | 0 44 | 10 58 | 1 40 | 15 22 | 0 8 | 19 19 | 1 0 | 11 1 | 13 35 | 2 12 | 2 40 | 28 5 | | n.a. |
| F 9 | 11 52 | 27 39 | 4 49 | 0 38 | 2 21 | 21 54 | 0 53 | 20 41 | 1 15 | 24 11 | 0 44 | 10 59 | 1 40 | 15 22 | 0 8 | 19 19 | 1 0 | 11 0 | 13 34 | 2 12 | 2 39 | 28 4 | | n.a. |
| S 10 | 11 30 | 28 57 | 5 6 | 0 5 | 2 27 | 21 41 | 0 55 | 20 32 | 1 15 | 24 11 | 0 44 | 11 1 | 1 40 | 15 23 | 0 8 | 19 19 | 1 0 | 10 59 | 13 34 | 2 11 | 2 38 | 28 3 | | n.a. |
| S 11 | 11 9 | 28 53 | 5 11 | 0s26 | 2 32 | 21 27 | 0 58 | 20 22 | 1 15 | 24 10 | 0 44 | 11 3 | 1 39 | 15 24 | 0 8 | 19 20 | 1 0 | 10 58 | 13 34 | 2 9 | 2 37 | 28 2 | | n.a. |
| M12 | 10 47 | 27 30 | 5 2 | 0 57 | 2 37 | 21 13 | 1 0 | 20 12 | 1 15 | 24 9 | 0 45 | 11 4 | 1 39 | 15 24 | 0 8 | 19 20 | 1 0 | 10 57 | 13 33 | 2 7 | 2 35 | 28 1 | | n.a. |
| T 13 | 10 25 | 24 52 | 4 40 | 1 25 | 2 41 | 20 58 | 1 2 | 20 2 | 1 15 | 24 8 | 0 45 | 11 6 | 1 39 | 15 25 | 0 8 | 19 20 | 1 0 | 10 56 | 13 33 | 2 4 | 2 34 | 28 0 | | n.a. |
| W14 | 10 2 | 21 8 | 4 6 | 1 53 | 2 46 | 20 43 | 1 4 | 19 52 | 1 15 | 24 8 | 0 45 | 11 8 | 1 39 | 15 25 | 0 8 | 19 20 | 1 0 | 10 54 | 13 33 | 2 2 | 2 33 | 27 59 | | n.a. |
| T 15 | 9 40 | 16 29 | 3 20 | 2 19 | 2 49 | 20 27 | 1 7 | 19 41 | 1 15 | 24 7 | 0 45 | 11 10 | 1 39 | 15 26 | 0 8 | 19 20 | 0 59 | 10 53 | 13 33 | 2 0 | 2 32 | 27 58 | | n.a. |
| F 16 | 9 17 | 11 7 | 2 24 | 2 42 | 2 53 | 20 10 | 1 9 | 19 31 | 1 16 | 24 6 | 0 45 | 11 12 | 1 39 | 15 27 | 0 8 | 19 20 | 0 59 | 10 52 | 13 32 | 1 58 | 2 30 | 27 57 | | n.a. |
| S 17 | 8 54 | 5 15 | 1 20 | 3 4 | 2 55 | 19 53 | 1 11 | 19 20 | 1 16 | 24 5 | 0 46 | 11 14 | 1 38 | 15 27 | 0 8 | 19 21 | 0 59 | 10 51 | 13 32 | 1 57 | 2 29 | 27 56 | | n.a. |
| S 18 | 8 31 | 0s55 | 0 12 | 3 23 | 2 57 | 19 35 | 1 12 | 19 10 | 1 16 | 24 5 | 0 46 | 11 15 | 1 38 | 15 28 | 0 8 | 19 21 | 0 59 | 10 50 | 13 32 | 1 57 | 2 28 | 27 55 | | n.a. |
| M19 | 8 8 | 7 9 | 0s59 | 3 40 | 2 58 | 19 16 | 1 14 | 18 59 | 1 16 | 24 4 | 0 46 | 11 17 | 1 38 | 15 29 | 0 8 | 19 21 | 0 59 | 10 49 | 13 31 | 1 57 | 2 26 | 27 54 | | n.a. |
| T 20 | 7 45 | 13 11 | 2 7 | 3 53 | 2 58 | 18 57 | 1 16 | 18 48 | 1 16 | 24 3 | 0 46 | 11 19 | 1 38 | 15 29 | 0 8 | 19 21 | 0 59 | 10 48 | 13 31 | 1 58 | 2 25 | 27 53 | | n.a. |
| W21 | 7 22 | 18 44 | 3 10 | 4 3 | 2 57 | 18 37 | 1 18 | 18 37 | 1 16 | 24 3 | 0 46 | 11 21 | 1 38 | 15 30 | 0 8 | 19 21 | 0 59 | 10 47 | 13 31 | 1 58 | 2 24 | 27 52 | | n.a. |
| T 22 | 6 58 | 23 27 | 4 4 | 4 9 | 2 56 | 18 17 | 1 19 | 18 25 | 1 16 | 24 2 | 0 47 | 11 23 | 1 37 | 15 31 | 0 8 | 19 22 | 0 59 | 10 45 | 13 31 | 1 59 | 2 23 | 27 51 | | n.a. |
| F 23 | 6 34 | 26 58 | 4 44 | 4 11 | 2 53 | 17 57 | 1 21 | 18 14 | 1 16 | 24 1 | 0 47 | 11 25 | 1 37 | 15 31 | 0 8 | 19 22 | 0 59 | 10 44 | 13 30 | 1 59 | 2 21 | 27 50 | | n.a. |
| S 24 | 6 11 | 28 53 | 5 9 | 4 9 | 2 48 | 17 35 | 1 22 | 18 2 | 1 16 | 24 0 | 0 47 | 11 27 | 1 37 | 15 32 | 0 8 | 19 22 | 0 59 | 10 43 | 13 30 | 1 59 | 2 20 | 27 49 | | n.a. |
| S 25 | 5 47 | 28 56 | 5 15 | 4 2 | 2 42 | 17 14 | 1 24 | 17 51 | 1 16 | 24 0 | 0 47 | 11 29 | 1 37 | 15 33 | 0 8 | 19 22 | 0 59 | 10 42 | 13 30 | 1 59 | 2 19 | 27 48 | | n.a. |
| M26 | 5 23 | 27 1 | 5 1 | 3 49 | 2 35 | 16 51 | 1 25 | 17 39 | 1 16 | 23 59 | 0 47 | 11 31 | 1 37 | 15 34 | 0 8 | 19 23 | 0 59 | 10 41 | 13 30 | 1 58 | 2 17 | 27 47 | | n.a. |
| T 27 | 4 59 | 23 17 | 4 28 | 3 31 | 2 26 | 16 28 | 1 26 | 17 27 | 1 16 | 23 58 | 0 48 | 11 33 | 1 37 | 15 34 | 0 8 | 19 23 | 0 59 | 10 40 | 13 30 | 1 57 | 2 16 | 27 45 | | n.a. |
| W28 | 4 35 | 18 5 | 3 37 | 3 8 | 2 15 | 16 5 | 1 28 | 17 15 | 1 16 | 23 57 | 0 48 | 11 35 | 1 36 | 15 35 | 0 8 | 19 23 | 0 59 | 10 39 | 13 29 | 1 56 | 2 15 | 27 44 | | n.a. |
| T 29 | 4 10 | 11 53 | 2 33 | 2 38 | 2 2 | 15 42 | 1 29 | 17 2 | 1 16 | 23 57 | 0 48 | 11 37 | 1 36 | 15 36 | 0 8 | 19 23 | 0 59 | 10 38 | 13 29 | 1 55 | 2 14 | 27 43 | | n.a. |
| F 30 | 3n46 | 5s 9 | 1s19 | 2s 3 | 1s47 | 15n17 | 1n30 | 16n50 | 1n17 | 23n56 | 0n48 | 11s40 | 1n36 | 15s37 | 0n 8 | 19s24 | 0n59 | 10n37 | 13n29 | 1n55 | 2n12 | 27n42 | | n.a. |

Julian Day Number = 1005776.5, Delta T = 12h45m50s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'16, Lahiri = -30°58'16 Julian Calendar 1 Sept. 1960 BCE == Greg. Calendar 15 Aug. 1960 BCE

The year -1959 astronomical counting style corresponds to year 1960 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## OCTOBER 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 32 25 | 21♍40'45 | 4♈20 | 29°R59 | 24♌58 | 19♌ 2 | 14♋30 | 4♏16 | 12♏ 2 | 29♏ 4 | 4♎16 | 4°D43 | 5♈23 | 17♋50 | n.a. | S 1 |
| S 2 | 23 36 22 | 22°41'28 | 18° 5 | 28♍48 | 26°13 | 19°41 | 14°38 | 4°22 | 12° 5 | 29° 6 | 4°18 | 4♈43 | 5°20 | 17°57 | n.a. | S 2 |
| M 3 | 23 40 18 | 23°42'13 | 1♉27 | 27°32 | 27°28 | 20°20 | 14°46 | 4°27 | 12° 8 | 29° 7 | 4°21 | 4°44 | 5°17 | 18° 4 | n.a. | M 3 |
| T 4 | 23 44 15 | 24°42'59 | 14°26 | 26°12 | 28°43 | 21° 0 | 14°54 | 4°33 | 12°10 | 29° 8 | 4°23 | 4°45 | 5°14 | 18°10 | n.a. | T 4 |
| W 5 | 23 48 11 | 25°43'48 | 27° 4 | 24°51 | 29°58 | 21°39 | 15° 2 | 4°39 | 12°13 | 29° 9 | 4°25 | 4°46 | 5°11 | 18°17 | n.a. | W 5 |
| T 6 | 23 52 8 | 26°44'38 | 9♊24 | 23°31 | 1♍13 | 22°18 | 15°10 | 4°45 | 12°16 | 29°10 | 4°28 | 4°47 | 5° 8 | 18°24 | n.a. | T 6 |
| F 7 | 23 56 5 | 27°45'29 | 21°31 | 22°15 | 2°28 | 22°58 | 15°17 | 4°51 | 12°18 | 29°12 | 4°30 | 4°47 | 5° 4 | 18°31 | n.a. | F 7 |
| S 8 | 0 0 1 | 28°46'23 | 3♋28 | 21° 6 | 3°43 | 23°37 | 15°25 | 4°57 | 12°21 | 29°13 | 4°33 | 4°R47 | 5° 1 | 18°37 | n.a. | S 8 |
| S 9 | 0 3 58 | 29°47'18 | 15°20 | 20° 6 | 4°58 | 24°17 | 15°32 | 5° 3 | 12°24 | 29°14 | 4°35 | 4°47 | 4°58 | 18°44 | n.a. | S 9 |
| M10 | 0 7 54 | 0♎48'14 | 27°13 | 19°15 | 6°13 | 24°56 | 15°39 | 5°10 | 12°27 | 29°16 | 4°37 | 4°47 | 4°55 | 18°51 | n.a. | M10 |
| T 11 | 0 11 51 | 1°49'12 | 9♌10 | 18°36 | 7°28 | 25°35 | 15°46 | 5°16 | 12°30 | 29°17 | 4°40 | 4°46 | 4°52 | 18°57 | n.a. | T 11 |
| W12 | 0 15 47 | 2°50'12 | 21°15 | 18° 8 | 8°43 | 26°15 | 15°53 | 5°22 | 12°33 | 29°19 | 4°42 | 4°46 | 4°48 | 19° 4 | n.a. | W12 |
| T 13 | 0 19 44 | 3°51'13 | 3♍31 | 17°52 | 9°58 | 26°54 | 16° 0 | 5°28 | 12°36 | 29°20 | 4°45 | 4°46 | 4°45 | 19°11 | n.a. | T 13 |
| F 14 | 0 23 40 | 4°52'15 | 16° 2 | 17°D47 | 11°14 | 27°34 | 16° 6 | 5°35 | 12°39 | 29°22 | 4°47 | 4°D46 | 4°42 | 19°18 | n.a. | F 14 |
| S 15 | 0 27 37 | 5°53'19 | 28°47 | 17°53 | 12°29 | 28°13 | 16°13 | 5°41 | 12°42 | 29°23 | 4°49 | 4°R46 | 4°39 | 19°24 | n.a. | S 15 |
| S 16 | 0 31 34 | 6°54'24 | 11♎48 | 18° 9 | 13°44 | 28°53 | 16°19 | 5°48 | 12°45 | 29°25 | 4°52 | 4°46 | 4°36 | 19°31 | n.a. | S 16 |
| M17 | 0 35 30 | 7°55'30 | 25° 4 | 18°34 | 14°59 | 29°32 | 16°25 | 5°54 | 12°48 | 29°26 | 4°54 | 4°45 | 4°33 | 19°38 | n.a. | M17 |
| T 18 | 0 39 27 | 8°56'36 | 8♏34 | 19° 8 | 16°15 | 0♍12 | 16°31 | 6° 1 | 12°51 | 29°28 | 4°57 | 4°45 | 4°29 | 19°44 | n.a. | T 18 |
| W19 | 0 43 23 | 9°57'44 | 22°17 | 19°49 | 17°30 | 0°52 | 16°37 | 6° 7 | 12°54 | 29°29 | 4°59 | 4°44 | 4°26 | 19°51 | n.a. | W19 |
| T 20 | 0 47 20 | 10°58'53 | 6♐10 | 20°36 | 18°45 | 1°31 | 16°43 | 6°14 | 12°57 | 29°31 | 5° 1 | 4°44 | 4°23 | 19°58 | n.a. | T 20 |
| F 21 | 0 51 16 | 12° 0'03 | 20°10 | 21°29 | 20° 1 | 2°11 | 16°48 | 6°20 | 13° 1 | 29°33 | 5° 4 | 4°43 | 4°20 | 20° 5 | n.a. | F 21 |
| S 22 | 0 55 13 | 13° 1'13 | 4♑17 | 22°28 | 21°16 | 2°50 | 16°54 | 6°27 | 13° 4 | 29°34 | 5° 6 | 4°43 | 4°17 | 20°11 | n.a. | S 22 |
| S 23 | 0 59 9 | 14° 2'23 | 18°28 | 23°30 | 22°31 | 3°30 | 16°59 | 6°34 | 13° 7 | 29°36 | 5° 9 | 4°D43 | 4°13 | 20°18 | n.a. | S 23 |
| M24 | 1 3 6 | 15° 3'35 | 2♒40 | 24°37 | 23°47 | 4° 9 | 17° 4 | 6°40 | 13°10 | 29°38 | 5°11 | 4°43 | 4°10 | 20°25 | n.a. | M24 |
| T 25 | 1 7 3 | 16° 4'46 | 16°51 | 25°47 | 25° 2 | 4°49 | 17° 9 | 6°47 | 13°14 | 29°40 | 5°13 | 4°44 | 4° 7 | 20°32 | n.a. | T 25 |
| W26 | 1 10 59 | 17° 5'58 | 1♓ 0 | 27° 0 | 26°18 | 5°29 | 17°13 | 6°54 | 13°17 | 29°41 | 5°16 | 4°45 | 4° 4 | 20°38 | n.a. | W26 |
| T 27 | 1 14 56 | 18° 7'11 | 15° 2 | 28°15 | 27°33 | 6° 8 | 17°18 | 7° 1 | 13°20 | 29°43 | 5°18 | 4°46 | 4° 1 | 20°45 | n.a. | T 27 |
| F 28 | 1 18 52 | 19° 8'24 | 28°56 | 29°32 | 28°48 | 6°48 | 17°22 | 7° 7 | 13°24 | 29°45 | 5°20 | 4°R46 | 3°58 | 20°52 | n.a. | F 28 |
| S 29 | 1 22 49 | 20° 9'38 | 12♈38 | 0♎52 | 0♎ 4 | 7°28 | 17°27 | 7°14 | 13°27 | 29°47 | 5°23 | 4°46 | 3°54 | 20°58 | n.a. | S 29 |
| S 30 | 1 26 45 | 21°10'52 | 26° 6 | 2°13 | 1°19 | 8° 7 | 17°31 | 7°21 | 13°30 | 29°49 | 5°25 | 4°45 | 3°51 | 21° 5 | n.a. | S 30 |
| M31 | 1 30 42 | 22♎12'07 | 9♉17 | 3♎35 | 2♎35 | 8♍47 | 17♋34 | 7♏28 | 13♏34 | 29♏51 | 5♎27 | 4♈44 | 3♈48 | 21♋12 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3n22 | 1n44 | 0s 2 | 1s23 | 1s31 | 14n53 | 1n31 | 16n38 | 1n17 | 23n55 | 0n49 | 11s42 | 1n36 | 15s38 | 0n 8 | 19s24 | 0n59 | 10n35 | 13n29 | 1n55 | 2n11 | 27n41 | | n.a. |
| S 2 | 2 57 | 8 21 | 1n13 | 0 38 | 1 13 | 14 28 | 1 32 | 16 25 | 1 17 | 23 55 | 0 49 | 11 44 | 1 36 | 15 38 | 0 8 | 19 24 | 0 59 | 10 34 | 13 29 | 1 55 | 2 10 | 27 40 | | n.a. |
| M 3 | 2 33 | 14 26 | 2 23 | 0n11 | 0 54 | 14 2 | 1 32 | 16 12 | 1 17 | 23 54 | 0 49 | 11 46 | 1 36 | 15 39 | 0 8 | 19 25 | 0 59 | 10 33 | 13 29 | 1 55 | 2 8 | 27 39 | | n.a. |
| T 4 | 2 8 | 19 42 | 3 23 | 1 1 | 0 34 | 13 36 | 1 33 | 16 0 | 1 17 | 23 53 | 0 49 | 11 48 | 1 35 | 15 40 | 0 8 | 19 25 | 0 59 | 10 32 | 13 28 | 1 55 | 2 7 | 27 38 | | n.a. |
| W 5 | 1 44 | 23 58 | 4 11 | 1 53 | 0 13 | 13 10 | 1 34 | 15 47 | 1 17 | 23 53 | 0 49 | 11 50 | 1 35 | 15 41 | 0 8 | 19 25 | 0 59 | 10 31 | 13 28 | 1 56 | 2 6 | 27 36 | | n.a. |
| T 6 | 1 19 | 27 1 | 4 46 | 2 44 | 0n 7 | 12 43 | 1 34 | 15 34 | 1 17 | 23 52 | 0 50 | 11 52 | 1 35 | 15 42 | 0 8 | 19 26 | 0 59 | 10 30 | 13 28 | 1 56 | 2 5 | 27 35 | | n.a. |
| F 7 | 0 55 | 28 46 | 5 8 | 3 33 | 0 28 | 12 16 | 1 35 | 15 21 | 1 17 | 23 51 | 0 50 | 11 55 | 1 35 | 15 43 | 0 8 | 19 26 | 0 59 | 10 29 | 13 28 | 1 56 | 2 3 | 27 34 | | n.a. |
| S 8 | 0 30 | 29 9 | 5 17 | 4 19 | 0 47 | 11 49 | 1 35 | 15 7 | 1 17 | 23 51 | 0 50 | 11 57 | 1 35 | 15 44 | 0 8 | 19 26 | 0 59 | 10 28 | 13 28 | 1 56 | 2 2 | 27 33 | | n.a. |
| S 9 | 0 5 | 28 10 | 5 11 | 4 59 | 1 5 | 11 21 | 1 36 | 14 54 | 1 17 | 23 50 | 0 50 | 11 59 | 1 35 | 15 45 | 0 8 | 19 27 | 0 58 | 10 27 | 13 28 | 1 56 | 2 1 | 27 32 | | n.a. |
| M10 | 0s20 | 25 55 | 4 53 | 5 35 | 1 21 | 10 53 | 1 36 | 14 40 | 1 17 | 23 49 | 0 51 | 12 1 | 1 35 | 15 45 | 0 8 | 19 27 | 0 58 | 10 26 | 13 28 | 1 56 | 1 59 | 27 31 | | n.a. |
| T 11 | 0 44 | 22 31 | 4 22 | 6 4 | 1 36 | 10 25 | 1 36 | 14 27 | 1 17 | 23 49 | 0 51 | 12 4 | 1 34 | 15 46 | 0 8 | 19 27 | 0 58 | 10 25 | 13 28 | 1 56 | 1 58 | 27 29 | | n.a. |
| W12 | 1 9 | 18 9 | 3 39 | 6 26 | 1 48 | 9 57 | 1 36 | 14 13 | 1 17 | 23 48 | 0 51 | 12 6 | 1 34 | 15 47 | 0 8 | 19 28 | 0 58 | 10 24 | 13 28 | 1 56 | 1 57 | 27 28 | | n.a. |
| T 13 | 1 34 | 12 58 | 2 45 | 6 43 | 1 59 | 9 28 | 1 36 | 13 59 | 1 17 | 23 48 | 0 51 | 12 8 | 1 34 | 15 48 | 0 8 | 19 28 | 0 58 | 10 23 | 13 28 | 1 56 | 1 56 | 27 27 | | n.a. |
| F 14 | 1 58 | 7 11 | 1 42 | 6 53 | 2 8 | 8 58 | 1 36 | 13 46 | 1 17 | 23 47 | 0 52 | 12 10 | 1 34 | 15 49 | 0 8 | 19 28 | 0 58 | 10 22 | 13 27 | 1 56 | 1 54 | 27 26 | | n.a. |
| S 15 | 2 23 | 1 0 | 0 33 | 6 57 | 2 15 | 8 29 | 1 36 | 13 32 | 1 17 | 23 46 | 0 52 | 12 13 | 1 34 | 15 50 | 0 8 | 19 29 | 0 58 | 10 21 | 13 27 | 1 56 | 1 53 | 27 24 | | n.a. |
| S 16 | 2 48 | 5s21 | 0s39 | 6 56 | 2 21 | 7 59 | 1 36 | 13 18 | 1 17 | 23 46 | 0 52 | 12 15 | 1 34 | 15 51 | 0 8 | 19 29 | 0 58 | 10 20 | 13 27 | 1 56 | 1 52 | 27 23 | | n.a. |
| M17 | 3 12 | 11 36 | 1 50 | 6 49 | 2 25 | 7 30 | 1 36 | 13 3 | 1 17 | 23 45 | 0 52 | 12 17 | 1 34 | 15 52 | 0 8 | 19 29 | 0 58 | 10 19 | 13 27 | 1 56 | 1 50 | 27 22 | | n.a. |
| T 18 | 3 37 | 17 25 | 2 57 | 6 38 | 2 27 | 6 59 | 1 35 | 12 49 | 1 17 | 23 45 | 0 53 | 12 19 | 1 34 | 15 53 | 0 8 | 19 30 | 0 58 | 10 18 | 13 27 | 1 55 | 1 49 | 27 21 | | n.a. |
| W19 | 4 1 | 22 28 | 3 54 | 6 23 | 2 29 | 6 29 | 1 35 | 12 35 | 1 17 | 23 44 | 0 53 | 12 22 | 1 33 | 15 54 | 0 8 | 19 30 | 0 58 | 10 17 | 13 27 | 1 55 | 1 48 | 27 19 | | n.a. |
| T 20 | 4 26 | 26 20 | 4 38 | 6 4 | 2 29 | 5 59 | 1 34 | 12 20 | 1 17 | 23 44 | 0 53 | 12 24 | 1 33 | 15 55 | 0 8 | 19 31 | 0 58 | 10 16 | 13 27 | 1 55 | 1 47 | 27 18 | | n.a. |
| F 21 | 4 50 | 28 39 | 5 6 | 5 42 | 2 28 | 5 28 | 1 34 | 12 6 | 1 17 | 23 44 | 0 53 | 12 26 | 1 33 | 15 56 | 0 8 | 19 31 | 0 58 | 10 15 | 13 27 | 1 55 | 1 45 | 27 17 | | n.a. |
| S 22 | 5 15 | 29 7 | 5 17 | 5 17 | 2 27 | 4 57 | 1 33 | 11 51 | 1 17 | 23 43 | 0 54 | 12 29 | 1 33 | 15 57 | 0 8 | 19 31 | 0 58 | 10 14 | 13 27 | 1 54 | 1 44 | 27 16 | | n.a. |
| S 23 | 5 39 | 27 42 | 5 8 | 4 50 | 2 24 | 4 26 | 1 33 | 11 37 | 1 17 | 23 43 | 0 54 | 12 31 | 1 33 | 15 58 | 0 8 | 19 32 | 0 58 | 10 13 | 13 27 | 1 54 | 1 43 | 27 14 | | n.a. |
| M24 | 6 3 | 24 30 | 4 40 | 4 20 | 2 21 | 3 55 | 1 32 | 11 22 | 1 17 | 23 42 | 0 54 | 12 33 | 1 33 | 15 59 | 0 8 | 19 32 | 0 58 | 10 12 | 13 27 | 1 55 | 1 41 | 27 13 | | n.a. |
| T 25 | 6 27 | 19 49 | 3 55 | 3 48 | 2 17 | 3 24 | 1 31 | 11 7 | 1 16 | 23 42 | 0 55 | 12 36 | 1 33 | 16 0 | 0 8 | 19 33 | 0 58 | 10 11 | 13 27 | 1 55 | 1 40 | 27 12 | | n.a. |
| W26 | 6 51 | 14 4 | 2 56 | 3 15 | 2 13 | 2 53 | 1 30 | 10 52 | 1 16 | 23 42 | 0 55 | 12 38 | 1 33 | 16 1 | 0 8 | 19 33 | 0 58 | 10 10 | 13 27 | 1 55 | 1 39 | 27 10 | | n.a. |
| T 27 | 7 15 | 7 39 | 1 47 | 2 40 | 2 9 | 2 21 | 1 29 | 10 37 | 1 16 | 23 41 | 0 55 | 12 40 | 1 33 | 16 2 | 0 8 | 19 33 | 0 58 | 10 9 | 13 27 | 1 56 | 1 38 | 27 9 | | n.a. |
| F 28 | 7 38 | 0 55 | 0 32 | 2 4 | 2 4 | 1 50 | 1 28 | 10 22 | 1 16 | 23 41 | 0 55 | 12 43 | 1 32 | 16 3 | 0 8 | 19 34 | 0 58 | 10 8 | 13 27 | 1 56 | 1 36 | 27 8 | | n.a. |
| S 29 | 8 2 | 5n45 | 0n43 | 1 27 | 1 58 | 1 18 | 1 27 | 10 7 | 1 16 | 23 41 | 0 56 | 12 45 | 1 32 | 16 4 | 0 8 | 19 34 | 0 58 | 10 7 | 13 27 | 1 56 | 1 35 | 27 6 | | n.a. |
| S 30 | 8 25 | 12 3 | 1 55 | 0 49 | 1 52 | 0 47 | 1 26 | 9 52 | 1 16 | 23 40 | 0 56 | 12 47 | 1 32 | 16 5 | 0 8 | 19 35 | 0 58 | 10 6 | 13 27 | 1 56 | 1 34 | 27 5 | | n.a. |
| M31 | 8s49 | 17n42 | 2n59 | 0n10 | 1n46 | 0n15 | 1n25 | 9n37 | 1n16 | 23n40 | 0n56 | 12s50 | 1n32 | 16s 6 | 0n 8 | 19s35 | 0n58 | 10n 5 | 13n27 | 1n55 | 1n32 | 27n 4 | | n.a. |

Julian Day Number = 1005806.5, Delta T = 12h45m48s
Ecliptic obliquity = 23°55'22, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'12, Lahiri = -30°58'12 Julian Calendar 1 Oct. 1960 BCE == Greg. Calendar 14 Sept. 1960 BCE

The year -1959 astronomical counting style corresponds to year 1960 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## NOVEMBER 1960 BCE (-1959) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 34 38 | 23♎13'22 | 22♉11 | 4♎59 | 3♎50 | 9♍27 | 17♋38 | 7♏35 | 13♏37 | 29♏52 | 5♎30 | 4°R41 | 3♈45 | 21♋19 | n.a. | T 1 |
| W 2 | 1 38 35 | 24°14'38 | 4♊48 | 6°23 | 5° 6 | 10° 7 | 17°41 | 7°42 | 13°41 | 29°54 | 5°32 | 4♈38 | 3°42 | 21°25 | n.a. | W 2 |
| T 3 | 1 42 32 | 25°15'55 | 17° 9 | 7°49 | 6°21 | 10°46 | 17°45 | 7°49 | 13°44 | 29°56 | 5°34 | 4°35 | 3°39 | 21°32 | n.a. | T 3 |
| F 4 | 1 46 28 | 26°17'13 | 29°17 | 9°15 | 7°36 | 11°26 | 17°48 | 7°55 | 13°47 | 29°58 | 5°37 | 4°32 | 3°35 | 21°39 | n.a. | F 4 |
| S 5 | 1 50 25 | 27°18'31 | 11♋15 | 10°42 | 8°52 | 12° 6 | 17°51 | 8° 2 | 13°51 | 0♐ 0 | 5°39 | 4°29 | 3°32 | 21°45 | n.a. | S 5 |
| S 6 | 1 54 21 | 28°19'50 | 23° 8 | 12°10 | 10° 7 | 12°46 | 17°54 | 8° 9 | 13°54 | 0° 2 | 5°41 | 4°D28 | 3°29 | 21°52 | n.a. | S 6 |
| M 7 | 1 58 18 | 29°21'09 | 5♌ 0 | 13°39 | 11°23 | 13°26 | 17°56 | 8°16 | 13°58 | 0° 4 | 5°44 | 4°28 | 3°26 | 21°59 | n.a. | M 7 |
| T 8 | 2 2 14 | 0♏22'29 | 16°56 | 15° 7 | 12°38 | 14° 5 | 17°58 | 8°23 | 14° 1 | 0° 6 | 5°46 | 4°29 | 3°23 | 22° 6 | n.a. | T 8 |
| W 9 | 2 6 11 | 1°23'49 | 29° 1 | 16°37 | 13°54 | 14°45 | 18° 1 | 8°30 | 14° 5 | 0° 8 | 5°48 | 4°31 | 3°19 | 22°12 | n.a. | W 9 |
| T 10 | 2 10 8 | 2°25'09 | 11♍19 | 18° 6 | 15° 9 | 15°25 | 18° 3 | 8°37 | 14° 8 | 0°10 | 5°50 | 4°33 | 3°16 | 22°19 | n.a. | T 10 |
| F 11 | 2 14 4 | 3°26'30 | 23°55 | 19°37 | 16°25 | 16° 5 | 18° 4 | 8°44 | 14°12 | 0°12 | 5°52 | 4°34 | 3°13 | 22°26 | n.a. | F 11 |
| S 12 | 2 18 1 | 4°27'51 | 6♎51 | 21° 7 | 17°40 | 16°45 | 18° 6 | 8°51 | 14°16 | 0°15 | 5°55 | 4°R35 | 3°10 | 22°32 | n.a. | S 12 |
| S 13 | 2 21 57 | 5°29'13 | 20° 9 | 22°38 | 18°56 | 17°25 | 18° 7 | 8°58 | 14°19 | 0°17 | 5°57 | 4°34 | 3° 7 | 22°39 | n.a. | S 13 |
| M14 | 2 25 54 | 6°30'34 | 3♏48 | 24° 9 | 20°11 | 18° 5 | 18° 9 | 9° 5 | 14°23 | 0°19 | 5°59 | 4°31 | 3° 4 | 22°46 | n.a. | M14 |
| T 15 | 2 29 50 | 7°31'55 | 17°46 | 25°41 | 21°27 | 18°45 | 18°10 | 9°13 | 14°26 | 0°21 | 6° 1 | 4°27 | 3° 0 | 22°53 | n.a. | T 15 |
| W16 | 2 33 47 | 8°33'17 | 1♐59 | 27°12 | 22°42 | 19°25 | 18°11 | 9°20 | 14°30 | 0°23 | 6° 3 | 4°22 | 2°57 | 22°59 | n.a. | W16 |
| T 17 | 2 37 44 | 9°34'38 | 16°21 | 28°45 | 23°58 | 20° 5 | 18°11 | 9°27 | 14°33 | 0°25 | 6° 5 | 4°16 | 2°54 | 23° 6 | n.a. | T 17 |
| F 18 | 2 41 40 | 10°35'59 | 0♑47 | 0♏17 | 25°13 | 20°45 | 18°12 | 9°34 | 14°37 | 0°27 | 6° 7 | 4°10 | 2°51 | 23°13 | n.a. | F 18 |
| S 19 | 2 45 37 | 11°37'19 | 15°11 | 1°50 | 26°29 | 21°25 | 18°12 | 9°41 | 14°41 | 0°29 | 6° 9 | 4° 6 | 2°48 | 23°19 | n.a. | S 19 |
| S 20 | 2 49 33 | 12°38'39 | 29°30 | 3°23 | 27°44 | 22° 5 | 18°R12 | 9°48 | 14°44 | 0°32 | 6°11 | 4° 4 | 2°45 | 23°26 | n.a. | S 20 |
| M21 | 2 53 30 | 13°39'59 | 13♒39 | 4°57 | 28°59 | 22°44 | 18°12 | 9°55 | 14°48 | 0°34 | 6°14 | 4°D 3 | 2°41 | 23°33 | n.a. | M21 |
| T 22 | 2 57 26 | 14°41'17 | 27°39 | 6°31 | 0♏15 | 23°24 | 18°12 | 10° 2 | 14°51 | 0°36 | 6°16 | 4° 4 | 2°38 | 23°40 | n.a. | T 22 |
| W23 | 3 1 23 | 15°42'35 | 11♓27 | 8° 5 | 1°30 | 24° 4 | 18°11 | 10° 9 | 14°55 | 0°38 | 6°17 | 4° 5 | 2°35 | 23°46 | n.a. | W23 |
| T 24 | 3 5 19 | 16°43'52 | 25° 4 | 9°39 | 2°46 | 24°45 | 18°10 | 10°16 | 14°58 | 0°41 | 6°19 | 4° 6 | 2°32 | 23°53 | n.a. | T 24 |
| F 25 | 3 9 16 | 17°45'08 | 8♈30 | 11°14 | 4° 1 | 25°25 | 18° 9 | 10°23 | 15° 2 | 0°43 | 6°21 | 4°R 6 | 2°29 | 24° 0 | n.a. | F 25 |
| S 26 | 3 13 13 | 18°46'24 | 21°45 | 12°50 | 5°16 | 26° 5 | 18° 8 | 10°30 | 15° 6 | 0°45 | 6°23 | 4° 5 | 2°25 | 24° 6 | n.a. | S 26 |
| S 27 | 3 17 9 | 19°47'39 | 4♉49 | 14°26 | 6°32 | 26°45 | 18° 7 | 10°37 | 15° 9 | 0°47 | 6°25 | 4° 1 | 2°22 | 24°13 | n.a. | S 27 |
| M28 | 3 21 6 | 20°48'53 | 17°41 | 16° 2 | 7°47 | 27°25 | 18° 5 | 10°44 | 15°13 | 0°49 | 6°27 | 3°55 | 2°19 | 24°20 | n.a. | M28 |
| T 29 | 3 25 2 | 21°50'07 | 0♊22 | 17°39 | 9° 3 | 28° 5 | 18° 4 | 10°51 | 15°16 | 0°52 | 6°29 | 3°47 | 2°16 | 24°27 | n.a. | T 29 |
| W30 | 3 28 59 | 22♏51'21 | 12♊50 | 19♏16 | 10♏18 | 28♍45 | 18♋ 2 | 10♏58 | 15♏20 | 0♐54 | 6♎31 | 3♈37 | 2♈13 | 24♋33 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s12 | 22n25 | 3n52 | 0s29 | 1n40 | 0s17 | 1n24 | 9n21 | 1n16 | 23n40 | 0n56 | 12s52 | 1n32 | 16s 7 | 0n 8 | 19s36 | 0n58 | 10n 5 | 13n27 | 1n54 | 1n31 | 27n 2 | | n.a. |
| W 2 | 9 35 | 26 0 | 4 33 | 1 9 | 1 34 | 0 48 | 1 22 | 9 6 | 1 16 | 23 40 | 0 57 | 12 55 | 1 32 | 16 8 | 0 8 | 19 36 | 0 58 | 10 4 | 13 28 | 1 53 | 1 30 | 27 1 | | n.a. |
| T 3 | 9 58 | 28 16 | 5 0 | 1 50 | 1 27 | 1 20 | 1 21 | 8 50 | 1 16 | 23 40 | 0 57 | 12 57 | 1 32 | 16 9 | 0 8 | 19 37 | 0 58 | 10 3 | 13 28 | 1 51 | 1 29 | 27 0 | | n.a. |
| F 4 | 10 21 | 29 8 | 5 13 | 2 30 | 1 21 | 1 52 | 1 20 | 8 35 | 1 16 | 23 39 | 0 57 | 12 59 | 1 32 | 16 11 | 0 8 | 19 37 | 0 58 | 10 2 | 13 28 | 1 50 | 1 27 | 26 58 | | n.a. |
| S 5 | 10 43 | 28 37 | 5 12 | 3 11 | 1 14 | 2 23 | 1 18 | 8 19 | 1 16 | 23 39 | 0 58 | 13 2 | 1 32 | 16 12 | 0 8 | 19 37 | 0 58 | 10 1 | 13 28 | 1 49 | 1 26 | 26 57 | | n.a. |
| S 6 | 11 6 | 26 47 | 4 58 | 3 53 | 1 7 | 2 55 | 1 17 | 8 4 | 1 16 | 23 39 | 0 58 | 13 4 | 1 32 | 16 13 | 0 8 | 19 38 | 0 57 | 10 0 | 13 28 | 1 49 | 1 25 | 26 55 | | n.a. |
| M 7 | 11 28 | 23 47 | 4 31 | 4 34 | 1 0 | 3 27 | 1 15 | 7 48 | 1 15 | 23 39 | 0 58 | 13 6 | 1 32 | 16 14 | 0 8 | 19 38 | 0 57 | 10 0 | 13 28 | 1 49 | 1 23 | 26 54 | | n.a. |
| T 8 | 11 50 | 19 45 | 3 52 | 5 15 | 0 53 | 3 58 | 1 13 | 7 32 | 1 15 | 23 39 | 0 58 | 13 9 | 1 31 | 16 15 | 0 8 | 19 39 | 0 57 | 9 59 | 13 28 | 1 49 | 1 22 | 26 52 | | n.a. |
| W 9 | 12 12 | 14 54 | 3 3 | 5 57 | 0 46 | 4 29 | 1 12 | 7 16 | 1 15 | 23 39 | 0 59 | 13 11 | 1 31 | 16 16 | 0 8 | 19 39 | 0 57 | 9 58 | 13 28 | 1 50 | 1 21 | 26 51 | | n.a. |
| T 10 | 12 33 | 9 22 | 2 4 | 6 38 | 0 39 | 5 1 | 1 10 | 7 1 | 1 15 | 23 39 | 0 59 | 13 13 | 1 31 | 16 17 | 0 8 | 19 40 | 0 57 | 9 57 | 13 28 | 1 51 | 1 20 | 26 50 | | n.a. |
| F 11 | 12 55 | 3 21 | 0 58 | 7 20 | 0 32 | 5 32 | 1 8 | 6 45 | 1 15 | 23 39 | 0 59 | 13 16 | 1 31 | 16 18 | 0 8 | 19 40 | 0 57 | 9 56 | 13 28 | 1 51 | 1 18 | 26 48 | | n.a. |
| S 12 | 13 16 | 2s58 | 0s12 | 8 1 | 0 25 | 6 3 | 1 6 | 6 29 | 1 15 | 23 39 | 1 0 | 13 18 | 1 31 | 16 19 | 0 8 | 19 41 | 0 57 | 9 56 | 13 29 | 1 51 | 1 17 | 26 47 | | n.a. |
| S 13 | 13 37 | 9 19 | 1 24 | 8 42 | 0 18 | 6 34 | 1 5 | 6 13 | 1 15 | 23 39 | 1 0 | 13 20 | 1 31 | 16 20 | 0 8 | 19 41 | 0 57 | 9 55 | 13 29 | 1 51 | 1 16 | 26 45 | | n.a. |
| M14 | 13 58 | 15 25 | 2 33 | 9 22 | 0 11 | 7 5 | 1 3 | 5 57 | 1 15 | 23 39 | 1 0 | 13 23 | 1 31 | 16 21 | 0 8 | 19 42 | 0 57 | 9 54 | 13 29 | 1 50 | 1 14 | 26 44 | | n.a. |
| T 15 | 14 18 | 20 53 | 3 34 | 10 3 | 0 5 | 7 35 | 1 1 | 5 41 | 1 14 | 23 40 | 1 0 | 13 25 | 1 31 | 16 22 | 0 8 | 19 42 | 0 57 | 9 54 | 13 29 | 1 48 | 1 13 | 26 42 | | n.a. |
| W16 | 14 38 | 25 15 | 4 23 | 10 43 | 0s 2 | 8 6 | 0 59 | 5 24 | 1 14 | 23 40 | 1 1 | 13 27 | 1 31 | 16 23 | 0 8 | 19 43 | 0 57 | 9 53 | 13 29 | 1 46 | 1 12 | 26 41 | | n.a. |
| T 17 | 14 58 | 28 6 | 4 56 | 11 23 | 0 9 | 8 36 | 0 57 | 5 8 | 1 14 | 23 40 | 1 1 | 13 30 | 1 31 | 16 25 | 0 8 | 19 43 | 0 57 | 9 52 | 13 29 | 1 44 | 1 11 | 26 39 | | n.a. |
| F 18 | 15 18 | 29 5 | 5 10 | 12 3 | 0 16 | 9 6 | 0 55 | 4 52 | 1 14 | 23 40 | 1 1 | 13 32 | 1 31 | 16 26 | 0 8 | 19 44 | 0 57 | 9 52 | 13 30 | 1 41 | 1 9 | 26 38 | | n.a. |
| S 19 | 15 37 | 28 5 | 5 5 | 12 42 | 0 22 | 9 36 | 0 53 | 4 36 | 1 14 | 23 40 | 1 2 | 13 34 | 1 31 | 16 27 | 0 8 | 19 44 | 0 57 | 9 51 | 13 30 | 1 40 | 1 8 | 26 36 | | n.a. |
| S 20 | 15 57 | 25 14 | 4 41 | 13 20 | 0 29 | 10 6 | 0 51 | 4 20 | 1 14 | 23 41 | 1 2 | 13 37 | 1 31 | 16 28 | 0 8 | 19 45 | 0 57 | 9 50 | 13 30 | 1 39 | 1 7 | 26 35 | | n.a. |
| M21 | 16 16 | 20 52 | 4 0 | 13 59 | 0 35 | 10 35 | 0 48 | 4 3 | 1 13 | 23 41 | 1 2 | 13 39 | 1 31 | 16 29 | 0 8 | 19 45 | 0 57 | 9 50 | 13 30 | 1 38 | 1 5 | 26 33 | | n.a. |
| T 22 | 16 34 | 15 25 | 3 5 | 14 36 | 0 41 | 11 4 | 0 46 | 3 47 | 1 13 | 23 41 | 1 2 | 13 41 | 1 31 | 16 30 | 0 8 | 19 45 | 0 57 | 9 49 | 13 30 | 1 39 | 1 4 | 26 32 | | n.a. |
| W23 | 16 52 | 9 15 | 2 0 | 15 13 | 0 47 | 11 33 | 0 44 | 3 31 | 1 13 | 23 42 | 1 3 | 13 44 | 1 31 | 16 31 | 0 7 | 19 46 | 0 57 | 9 48 | 13 31 | 1 39 | 1 3 | 26 30 | | n.a. |
| T 24 | 17 10 | 2 45 | 0 49 | 15 50 | 0 53 | 12 1 | 0 42 | 3 14 | 1 13 | 23 42 | 1 3 | 13 46 | 1 31 | 16 32 | 0 7 | 19 46 | 0 57 | 9 48 | 13 31 | 1 40 | 1 2 | 26 29 | | n.a. |
| F 25 | 17 28 | 3n48 | 0n24 | 16 26 | 0 59 | 12 30 | 0 40 | 2 58 | 1 13 | 23 43 | 1 3 | 13 48 | 1 30 | 16 33 | 0 7 | 19 47 | 0 57 | 9 47 | 13 31 | 1 40 | 1 0 | 26 27 | | n.a. |
| S 26 | 17 45 | 10 5 | 1 34 | 17 1 | 1 4 | 12 57 | 0 37 | 2 42 | 1 12 | 23 43 | 1 4 | 13 50 | 1 30 | 16 34 | 0 7 | 19 47 | 0 57 | 9 47 | 13 31 | 1 39 | 0 59 | 26 26 | | n.a. |
| S 27 | 18 2 | 15 51 | 2 38 | 17 36 | 1 10 | 13 25 | 0 35 | 2 25 | 1 12 | 23 43 | 1 4 | 13 53 | 1 30 | 16 35 | 0 7 | 19 48 | 0 57 | 9 46 | 13 32 | 1 38 | 0 58 | 26 24 | | n.a. |
| M28 | 18 19 | 20 51 | 3 33 | 18 10 | 1 15 | 13 52 | 0 33 | 2 9 | 1 12 | 23 44 | 1 4 | 13 55 | 1 30 | 16 36 | 0 7 | 19 48 | 0 57 | 9 46 | 13 32 | 1 35 | 0 56 | 26 23 | | n.a. |
| T 29 | 18 35 | 24 48 | 4 16 | 18 43 | 1 20 | 14 19 | 0 30 | 1 52 | 1 12 | 23 44 | 1 5 | 13 57 | 1 30 | 16 38 | 0 7 | 19 49 | 0 57 | 9 45 | 13 32 | 1 32 | 0 55 | 26 21 | | n.a. |
| W30 | 18s51 | 27n31 | 4n46 | 19s15 | 1s25 | 14s46 | 0n28 | 1n36 | 1n11 | 23n45 | 1n 5 | 13s59 | 1n30 | 16s39 | 0n 7 | 19s49 | 0n57 | 9n45 | 13n32 | 1n28 | 0n54 | 26n19 | | n.a. |

Julian Day Number = 1005837.5, Delta T = 12h45m46s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'08, Lahiri = -30°58'07 Julian Calendar 1 Nov. 1960 BCE == Greg. Calendar 15 Oct. 1960 BCE


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# ASTRODIENST EPHEMERIS for the year 1960 BCE
# geocentric

## DECEMBER 1960 BCE (-1959) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 32 55 | 23♏52'33 | 25♊ 6 | 20♏53 | 11♏33 | 29♍25 | 18°R 0 | 11♏ 5 | 15♏24 | 0♐56 | 6♎33 | 3°R27 | 2♈10 | 24♋40 | n.a. | T 1 |
| F 2 | 3 36 52 | 24°53'45 | 7♋12 | 22°32 | 12°49 | 0♎ 5 | 17♋58 | 11°12 | 15°27 | 0°58 | 6°34 | 3♈18 | 2° 6 | 24°47 | n.a. | F 2 |
| S 3 | 3 40 49 | 25°54'57 | 19° 9 | 24°10 | 14° 4 | 0°45 | 17°55 | 11°18 | 15°31 | 1° 1 | 6°36 | 3°10 | 2° 3 | 24°53 | n.a. | S 3 |
| S 4 | 3 44 45 | 26°56'08 | 1♌ 1 | 25°50 | 15°19 | 1°25 | 17°53 | 11°25 | 15°34 | 1° 3 | 6°38 | 3° 4 | 2° 0 | 25° 0 | n.a. | S 4 |
| M 5 | 3 48 42 | 27°57'18 | 12°51 | 27°29 | 16°34 | 2° 5 | 17°50 | 11°32 | 15°38 | 1° 5 | 6°40 | 3° 0 | 1°57 | 25° 7 | n.a. | M 5 |
| T 6 | 3 52 38 | 28°58'28 | 24°45 | 29°10 | 17°50 | 2°46 | 17°47 | 11°39 | 15°41 | 1° 8 | 6°41 | 2°D59 | 1°54 | 25°14 | n.a. | T 6 |
| W 7 | 3 56 35 | 29°59'36 | 6♍46 | 0♐51 | 19° 5 | 3°26 | 17°43 | 11°46 | 15°45 | 1°10 | 6°43 | 2°59 | 1°51 | 25°20 | n.a. | W 7 |
| T 8 | 4 0 31 | 1♐ 0'45 | 19° 2 | 2°32 | 20°20 | 4° 6 | 17°40 | 11°53 | 15°48 | 1°12 | 6°45 | 3° 0 | 1°47 | 25°27 | n.a. | T 8 |
| F 9 | 4 4 28 | 2° 1'52 | 1♎36 | 4°14 | 21°36 | 4°46 | 17°37 | 11°59 | 15°52 | 1°14 | 6°46 | 3°R 0 | 1°44 | 25°34 | n.a. | F 9 |
| S 10 | 4 8 25 | 3° 2'59 | 14°34 | 5°57 | 22°51 | 5°26 | 17°33 | 12° 6 | 15°55 | 1°17 | 6°48 | 3° 0 | 1°41 | 25°40 | n.a. | S 10 |
| S 11 | 4 12 21 | 4° 4'04 | 27°58 | 7°40 | 24° 6 | 6° 7 | 17°29 | 12°13 | 15°59 | 1°19 | 6°49 | 2°57 | 1°38 | 25°47 | n.a. | S 11 |
| M12 | 4 16 18 | 5° 5'09 | 11♏48 | 9°24 | 25°21 | 6°47 | 17°25 | 12°20 | 16° 2 | 1°21 | 6°51 | 2°52 | 1°35 | 25°54 | n.a. | M12 |
| T 13 | 4 20 14 | 6° 6'13 | 26° 5 | 11° 8 | 26°37 | 7°27 | 17°21 | 12°26 | 16° 6 | 1°24 | 6°52 | 2°44 | 1°31 | 26° 1 | n.a. | T 13 |
| W14 | 4 24 11 | 7° 7'16 | 10♐42 | 12°52 | 27°52 | 8° 7 | 17°16 | 12°33 | 16° 9 | 1°26 | 6°54 | 2°34 | 1°28 | 26° 7 | n.a. | W14 |
| T 15 | 4 28 7 | 8° 8'18 | 25°32 | 14°38 | 29° 7 | 8°47 | 17°12 | 12°40 | 16°12 | 1°28 | 6°55 | 2°23 | 1°25 | 26°14 | n.a. | T 15 |
| F 16 | 4 32 4 | 9° 9'18 | 10♑27 | 16°23 | 0♐22 | 9°28 | 17° 7 | 12°46 | 16°16 | 1°30 | 6°57 | 2°13 | 1°22 | 26°21 | n.a. | F 16 |
| S 17 | 4 36 1 | 10°10'17 | 25°18 | 18° 9 | 1°37 | 10° 8 | 17° 2 | 12°53 | 16°19 | 1°33 | 6°58 | 2° 4 | 1°19 | 26°27 | n.a. | S 17 |
| S 18 | 4 39 57 | 11°11'15 | 9♒56 | 19°55 | 2°52 | 10°48 | 16°57 | 12°59 | 16°22 | 1°35 | 6°59 | 1°58 | 1°16 | 26°34 | n.a. | S 18 |
| M19 | 4 43 54 | 12°12'10 | 24°17 | 21°41 | 4° 8 | 11°28 | 16°52 | 13° 6 | 16°26 | 1°37 | 7° 1 | 1°55 | 1°12 | 26°41 | n.a. | M19 |
| T 20 | 4 47 50 | 13°13'04 | 8♓19 | 23°27 | 5°23 | 12° 9 | 16°46 | 13°12 | 16°29 | 1°39 | 7° 2 | 1°D53 | 1° 9 | 26°48 | n.a. | T 20 |
| W21 | 4 51 47 | 14°13'56 | 22° 2 | 25°13 | 6°38 | 12°49 | 16°41 | 13°18 | 16°32 | 1°42 | 7° 3 | 1°53 | 1° 6 | 26°54 | n.a. | W21 |
| T 22 | 4 55 43 | 15°14'47 | 5♈26 | 26°59 | 7°53 | 13°29 | 16°35 | 13°25 | 16°36 | 1°44 | 7° 4 | 1°R54 | 1° 3 | 27° 1 | n.a. | T 22 |
| F 23 | 4 59 40 | 16°15'35 | 18°35 | 28°44 | 9° 8 | 14° 9 | 16°29 | 13°31 | 16°39 | 1°46 | 7° 5 | 1°52 | 1° 0 | 27° 8 | n.a. | F 23 |
| S 24 | 5 3 36 | 17°16'22 | 1♉30 | 0♑28 | 10°23 | 14°50 | 16°23 | 13°37 | 16°42 | 1°48 | 7° 7 | 1°49 | 0°56 | 27°14 | n.a. | S 24 |
| S 25 | 5 7 33 | 18°17'07 | 14°13 | 2°11 | 11°38 | 15°30 | 16°17 | 13°44 | 16°45 | 1°50 | 7° 8 | 1°43 | 0°53 | 27°21 | n.a. | S 25 |
| M26 | 5 11 30 | 19°17'51 | 26°46 | 3°52 | 12°53 | 16°10 | 16°11 | 13°50 | 16°49 | 1°53 | 7° 9 | 1°34 | 0°50 | 27°28 | n.a. | M26 |
| T 27 | 5 15 26 | 20°18'33 | 9♊10 | 5°31 | 14° 8 | 16°50 | 16° 4 | 13°56 | 16°52 | 1°55 | 7°10 | 1°22 | 0°47 | 27°35 | n.a. | T 27 |
| W28 | 5 19 23 | 21°19'13 | 21°25 | 7° 8 | 15°23 | 17°31 | 15°58 | 14° 2 | 16°55 | 1°57 | 7°11 | 1° 8 | 0°44 | 27°41 | n.a. | W28 |
| T 29 | 5 23 19 | 22°19'51 | 3♋32 | 8°42 | 16°38 | 18°11 | 15°51 | 14° 8 | 16°58 | 1°59 | 7°12 | 0°53 | 0°41 | 27°48 | n.a. | T 29 |
| F 30 | 5 27 16 | 23°20'28 | 15°32 | 10°13 | 17°53 | 18°51 | 15°45 | 14°14 | 17° 1 | 2° 1 | 7°13 | 0°39 | 0°37 | 27°55 | n.a. | F 30 |
| S 31 | 5 31 12 | 24♐21'03 | 27♋27 | 11♑39 | 19♐ 8 | 19♎32 | 15♋38 | 14♏20 | 17♏ 4 | 2♐ 4 | 7♎14 | 0♈27 | 0♈34 | 28♋ 1 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 19s 7 | 28n52 | 5n 3 | 19s46 | 1s29 | 15s12 | 0n26 | 1n19 | 1n11 | 23n46 | 1n 5 | 14s 2 | 1n30 | 16s40 | 0n 7 | 19s50 | 0n57 | 9n44 | 13n33 | 1n24 | 0n53 | 26n18 | | | n.a. |
| F 2 | 19 22 | 28 48 | 5 5 | 20 16 | 1 33 | 15 38 | 0 23 | 1 3 | 1 11 | 23 46 | 1 5 | 14 4 | 1 30 | 16 41 | 0 7 | 19 50 | 0 57 | 9 44 | 13 33 | 1 20 | 0 51 | 26 16 | | | n.a. |
| S 3 | 19 37 | 27 22 | 4 54 | 20 46 | 1 37 | 16 3 | 0 21 | 0 46 | 1 11 | 23 47 | 1 6 | 14 6 | 1 30 | 16 42 | 0 7 | 19 51 | 0 57 | 9 43 | 13 33 | 1 17 | 0 50 | 26 15 | | | n.a. |
| S 4 | 19 52 | 24 44 | 4 31 | 21 14 | 1 41 | 16 28 | 0 19 | 0 30 | 1 10 | 23 47 | 1 6 | 14 8 | 1 30 | 16 43 | 0 7 | 19 51 | 0 57 | 9 43 | 13 33 | 1 15 | 0 49 | 26 13 | | | n.a. |
| M 5 | 20 6 | 21 3 | 3 55 | 21 42 | 1 45 | 16 52 | 0 16 | 0 13 | 1 10 | 23 48 | 1 6 | 14 10 | 1 30 | 16 44 | 0 7 | 19 52 | 0 57 | 9 42 | 13 34 | 1 13 | 0 47 | 26 11 | | | n.a. |
| T 6 | 20 20 | 16 31 | 3 10 | 22 8 | 1 48 | 17 16 | 0 14 | 0s 3 | 1 10 | 23 49 | 1 7 | 14 12 | 1 30 | 16 45 | 0 7 | 19 52 | 0 57 | 9 42 | 13 34 | 1 12 | 0 46 | 26 10 | | | n.a. |
| W 7 | 20 33 | 11 18 | 2 16 | 22 33 | 1 51 | 17 40 | 0 11 | 0 20 | 1 9 | 23 50 | 1 7 | 14 15 | 1 30 | 16 46 | 0 7 | 19 53 | 0 57 | 9 42 | 13 34 | 1 12 | 0 45 | 26 8 | | | n.a. |
| T 8 | 20 46 | 5 33 | 1 14 | 22 56 | 1 53 | 18 3 | 0 9 | 0 36 | 1 9 | 23 50 | 1 7 | 14 17 | 1 30 | 16 47 | 0 7 | 19 53 | 0 57 | 9 41 | 13 35 | 1 13 | 0 44 | 26 6 | | | n.a. |
| F 9 | 20 59 | 0s32 | 0 7 | 23 18 | 1 55 | 18 25 | 0 6 | 0 53 | 1 9 | 23 51 | 1 7 | 14 19 | 1 30 | 16 48 | 0 7 | 19 54 | 0 57 | 9 41 | 13 35 | 1 13 | 0 42 | 26 5 | | | n.a. |
| S 10 | 21 11 | 6 48 | 1s 1 | 23 39 | 1 57 | 18 47 | 0 4 | 1 9 | 1 9 | 23 52 | 1 8 | 14 21 | 1 30 | 16 49 | 0 7 | 19 54 | 0 57 | 9 41 | 13 35 | 1 13 | 0 41 | 26 3 | | | n.a. |
| S 11 | 21 23 | 12 58 | 2 9 | 23 59 | 1 59 | 19 9 | 0 2 | 1 26 | 1 8 | 23 53 | 1 8 | 14 23 | 1 30 | 16 50 | 0 7 | 19 55 | 0 57 | 9 40 | 13 35 | 1 12 | 0 40 | 26 1 | | | n.a. |
| M12 | 21 35 | 18 42 | 3 11 | 24 16 | 2 0 | 19 30 | 0s 1 | 1 42 | 1 8 | 23 53 | 1 8 | 14 25 | 1 30 | 16 51 | 0 7 | 19 55 | 0 57 | 9 40 | 13 36 | 1 10 | 0 38 | 26 0 | | | n.a. |
| T 13 | 21 46 | 23 36 | 4 3 | 24 33 | 2 0 | 19 50 | 0 3 | 1 59 | 1 8 | 23 54 | 1 8 | 14 27 | 1 30 | 16 52 | 0 7 | 19 56 | 0 57 | 9 40 | 13 36 | 1 6 | 0 37 | 25 58 | | | n.a. |
| W14 | 21 56 | 27 8 | 4 41 | 24 47 | 2 0 | 20 10 | 0 6 | 2 15 | 1 7 | 23 55 | 1 9 | 14 29 | 1 30 | 16 53 | 0 7 | 19 56 | 0 57 | 9 39 | 13 36 | 1 2 | 0 36 | 25 56 | | | n.a. |
| T 15 | 22 6 | 28 51 | 5 0 | 25 0 | 2 0 | 20 30 | 0 8 | 2 32 | 1 7 | 23 56 | 1 9 | 14 31 | 1 30 | 16 54 | 0 7 | 19 57 | 0 57 | 9 39 | 13 37 | 0 58 | 0 34 | 25 55 | | | n.a. |
| F 16 | 22 16 | 28 28 | 4 59 | 25 11 | 1 59 | 20 48 | 0 10 | 2 48 | 1 6 | 23 57 | 1 9 | 14 33 | 1 30 | 16 55 | 0 7 | 19 57 | 0 57 | 9 39 | 13 37 | 0 54 | 0 33 | 25 53 | | | n.a. |
| S 17 | 22 25 | 26 4 | 4 38 | 25 20 | 1 57 | 21 7 | 0 13 | 3 5 | 1 6 | 23 58 | 1 10 | 14 35 | 1 30 | 16 56 | 0 7 | 19 58 | 0 57 | 9 39 | 13 37 | 0 50 | 0 32 | 25 51 | | | n.a. |
| S 18 | 22 34 | 21 57 | 3 59 | 25 27 | 1 55 | 21 24 | 0 15 | 3 21 | 1 6 | 23 59 | 1 10 | 14 37 | 1 30 | 16 57 | 0 7 | 19 58 | 0 57 | 9 38 | 13 38 | 0 48 | 0 31 | 25 50 | | | n.a. |
| M19 | 22 43 | 16 36 | 3 5 | 25 31 | 1 52 | 21 41 | 0 17 | 3 38 | 1 5 | 24 0 | 1 10 | 14 39 | 1 30 | 16 58 | 0 7 | 19 59 | 0 57 | 9 38 | 13 38 | 0 46 | 0 29 | 25 48 | | | n.a. |
| T 20 | 22 51 | 10 29 | 2 2 | 25 34 | 1 49 | 21 57 | 0 20 | 3 54 | 1 5 | 24 1 | 1 10 | 14 41 | 1 30 | 16 59 | 0 7 | 19 59 | 0 57 | 9 38 | 13 38 | 0 46 | 0 28 | 25 46 | | | n.a. |
| W21 | 22 58 | 4 1 | 0 52 | 25 35 | 1 45 | 22 13 | 0 22 | 4 10 | 1 5 | 24 1 | 1 11 | 14 43 | 1 30 | 17 0 | 0 7 | 19 59 | 0 57 | 9 38 | 13 39 | 0 46 | 0 27 | 25 44 | | | n.a. |
| T 22 | 23 5 | 2n29 | 0n19 | 25 33 | 1 40 | 22 28 | 0 24 | 4 27 | 1 4 | 24 2 | 1 11 | 14 45 | 1 30 | 17 1 | 0 7 | 20 0 | 0 57 | 9 38 | 13 39 | 0 46 | 0 25 | 25 43 | | | n.a. |
| F 23 | 23 12 | 8 46 | 1 27 | 25 30 | 1 35 | 22 42 | 0 26 | 4 43 | 1 4 | 24 3 | 1 11 | 14 47 | 1 30 | 17 2 | 0 7 | 20 0 | 0 57 | 9 38 | 13 39 | 0 46 | 0 24 | 25 41 | | | n.a. |
| S 24 | 23 18 | 14 34 | 2 30 | 25 24 | 1 29 | 22 56 | 0 29 | 4 59 | 1 3 | 24 4 | 1 11 | 14 49 | 1 30 | 17 3 | 0 7 | 20 1 | 0 57 | 9 37 | 13 40 | 0 44 | 0 23 | 25 39 | | | n.a. |
| S 25 | 23 24 | 19 39 | 3 24 | 25 16 | 1 21 | 23 9 | 0 31 | 5 15 | 1 3 | 24 5 | 1 12 | 14 51 | 1 30 | 17 4 | 0 7 | 20 1 | 0 57 | 9 37 | 13 40 | 0 42 | 0 22 | 25 37 | | | n.a. |
| M26 | 23 29 | 23 49 | 4 7 | 25 5 | 1 14 | 23 21 | 0 33 | 5 32 | 1 2 | 24 6 | 1 12 | 14 53 | 1 30 | 17 5 | 0 7 | 20 2 | 0 57 | 9 37 | 13 41 | 0 38 | 0 20 | 25 36 | | | n.a. |
| T 27 | 23 34 | 26 50 | 4 38 | 24 53 | 1 5 | 23 32 | 0 35 | 5 48 | 1 2 | 24 7 | 1 12 | 14 54 | 1 30 | 17 6 | 0 7 | 20 2 | 0 57 | 9 37 | 13 41 | 0 33 | 0 19 | 25 34 | | | n.a. |
| W28 | 23 38 | 28 33 | 4 55 | 24 39 | 0 55 | 23 43 | 0 37 | 6 4 | 1 1 | 24 8 | 1 12 | 14 56 | 1 30 | 17 7 | 0 7 | 20 3 | 0 57 | 9 37 | 13 41 | 0 27 | 0 18 | 25 32 | | | n.a. |
| T 29 | 23 42 | 28 51 | 4 59 | 24 23 | 0 45 | 23 53 | 0 39 | 6 20 | 1 1 | 24 9 | 1 12 | 14 58 | 1 30 | 17 8 | 0 7 | 20 3 | 0 57 | 9 37 | 13 42 | 0 22 | 0 16 | 25 30 | | | n.a. |
| F 30 | 23 45 | 27 47 | 4 50 | 24 5 | 0 34 | 24 3 | 0 42 | 6 36 | 1 0 | 24 10 | 1 13 | 15 0 | 1 30 | 17 8 | 0 7 | 20 4 | 0 57 | 9 37 | 13 42 | 0 16 | 0 15 | 25 28 | | | n.a. |
| S 31 | 23s48 | 25n27 | 4n27 | 23s45 | 0s21 | 24s11 | 0s44 | 6s52 | 1n 0 | 24n12 | 1n13 | 15s 2 | 1n30 | 17s 9 | 0n 7 | 20s 4 | 0n57 | 9n37 | 13n42 | 0n11 | 0n14 | 25n27 | | | n.a. |

Julian Day Number = 1005867.5, Delta T = 12h45m44s
Ecliptic obliquity = 23°55'21, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'04, Lahiri = -30°58'03 Julian Calendar 1 Dec. 1960 BCE == Greg. Calendar 14 Nov. 1960 BCE

The year -1959 astronomical counting style corresponds to year 1960 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## JANUARY 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 35 9 | 25♐21'37 | 9♌17 | 13♑ 1 | 20♐23 | 20♎12 | 15°R31 | 14♏26 | 17♏ 7 | 2♐ 6 | 7♎15 | 0°R17 | 0♈31 | 28♋ 8 | n.a. | S 1 |
| M 2 | 5 39 5 | 26°22'09 | 21° 7 | 14°17 | 21°38 | 20°52 | 15♋24 | 14°32 | 17°10 | 2° 8 | 7°15 | 0♈10 | 0°28 | 28°15 | n.a. | M 2 |
| T 3 | 5 43 2 | 27°22'40 | 2♍59 | 15°28 | 22°53 | 21°32 | 15°17 | 14°38 | 17°13 | 2°10 | 7°16 | 0° 5 | 0°25 | 28°22 | n.a. | T 3 |
| W 4 | 5 46 59 | 28°23'08 | 14°58 | 16°31 | 24° 8 | 22°13 | 15°10 | 14°43 | 17°16 | 2°12 | 7°17 | 0° 4 | 0°22 | 28°28 | n.a. | W 4 |
| T 5 | 5 50 55 | 29°23'36 | 27°10 | 17°27 | 25°23 | 22°53 | 15° 3 | 14°49 | 17°19 | 2°14 | 7°18 | 0° 3 | 0°18 | 28°35 | n.a. | T 5 |
| F 6 | 5 54 52 | 0♑24'01 | 9♎40 | 18°15 | 26°37 | 23°33 | 14°55 | 14°55 | 17°22 | 2°16 | 7°18 | 0° 3 | 0°15 | 28°42 | n.a. | F 6 |
| S 7 | 5 58 48 | 1°24'25 | 22°33 | 18°54 | 27°52 | 24°14 | 14°48 | 15° 0 | 17°25 | 2°18 | 7°19 | 0° 2 | 0°12 | 28°48 | n.a. | S 7 |
| S 8 | 6 2 45 | 2°24'48 | 5♏52 | 19°23 | 29° 7 | 24°54 | 14°40 | 15° 6 | 17°27 | 2°20 | 7°20 | 29♓59 | 0° 9 | 28°55 | n.a. | S 8 |
| M 9 | 6 6 41 | 3°25'09 | 19°42 | 19°44 | 0♑22 | 25°34 | 14°33 | 15°11 | 17°30 | 2°22 | 7°20 | 29°53 | 0° 6 | 29° 2 | n.a. | M 9 |
| T 10 | 6 10 38 | 4°25'28 | 4♐ 1 | 19°54 | 1°37 | 26°15 | 14°25 | 15°17 | 17°33 | 2°24 | 7°21 | 29°45 | 0° 2 | 29° 8 | n.a. | T 10 |
| W11 | 6 14 34 | 5°25'46 | 18°47 | 19°R54 | 2°52 | 26°55 | 14°17 | 15°22 | 17°36 | 2°26 | 7°21 | 29°34 | 29♓59 | 29°15 | n.a. | W11 |
| T 12 | 6 18 31 | 6°26'02 | 3♑51 | 19°45 | 4° 7 | 27°35 | 14°10 | 15°27 | 17°38 | 2°28 | 7°22 | 29°23 | 29°56 | 29°22 | n.a. | T 12 |
| F 13 | 6 22 28 | 7°26'15 | 19° 5 | 19°26 | 5°21 | 28°16 | 14° 2 | 15°33 | 17°41 | 2°30 | 7°22 | 29°11 | 29°53 | 29°29 | n.a. | F 13 |
| S 14 | 6 26 24 | 8°26'27 | 4♒17 | 18°58 | 6°36 | 28°56 | 13°54 | 15°38 | 17°43 | 2°32 | 7°23 | 29° 2 | 29°50 | 29°35 | n.a. | S 14 |
| S 15 | 6 30 21 | 9°26'36 | 19°17 | 18°22 | 7°51 | 29°36 | 13°46 | 15°43 | 17°46 | 2°34 | 7°23 | 28°54 | 29°47 | 29°42 | n.a. | S 15 |
| M16 | 6 34 17 | 10°26'44 | 3♓57 | 17°38 | 9° 6 | 0♏16 | 13°39 | 15°48 | 17°49 | 2°36 | 7°24 | 28°50 | 29°43 | 29°49 | n.a. | M16 |
| T 17 | 6 38 14 | 11°26'48 | 18°13 | 16°48 | 10°20 | 0°57 | 13°31 | 15°53 | 17°51 | 2°38 | 7°24 | 28°48 | 29°40 | 29°55 | n.a. | T 17 |
| W18 | 6 42 10 | 12°26'50 | 2♈ 3 | 15°54 | 11°35 | 1°37 | 13°23 | 15°58 | 17°53 | 2°40 | 7°24 | 28°D48 | 29°37 | 0♌ 2 | n.a. | W18 |
| T 19 | 6 46 7 | 13°26'50 | 15°28 | 14°55 | 12°50 | 2°17 | 13°15 | 16° 3 | 17°56 | 2°42 | 7°25 | 28°R48 | 29°34 | 0° 9 | n.a. | T 19 |
| F 20 | 6 50 3 | 14°26'48 | 28°32 | 13°54 | 14° 4 | 2°57 | 13° 7 | 16° 7 | 17°58 | 2°43 | 7°25 | 28°47 | 29°31 | 0°16 | n.a. | F 20 |
| S 21 | 6 54 0 | 15°26'43 | 11♉18 | 12°53 | 15°19 | 3°38 | 12°59 | 16°12 | 18° 1 | 2°45 | 7°25 | 28°44 | 29°28 | 0°22 | n.a. | S 21 |
| S 22 | 6 57 57 | 16°26'36 | 23°50 | 11°52 | 16°34 | 4°18 | 12°52 | 16°17 | 18° 3 | 2°47 | 7°25 | 28°39 | 29°24 | 0°29 | n.a. | S 22 |
| M23 | 7 1 53 | 17°26'26 | 6♊ 9 | 10°54 | 17°48 | 4°58 | 12°44 | 16°21 | 18° 5 | 2°49 | 7°25 | 28°31 | 29°21 | 0°36 | n.a. | M23 |
| T 24 | 7 5 50 | 18°26'15 | 18°20 | 9°58 | 19° 3 | 5°38 | 12°36 | 16°26 | 18° 7 | 2°51 | 7°25 | 28°20 | 29°18 | 0°42 | n.a. | T 24 |
| W25 | 7 9 46 | 19°26'01 | 0♋24 | 9° 7 | 20°18 | 6°19 | 12°28 | 16°30 | 18° 9 | 2°52 | 7°25 | 28° 8 | 29°15 | 0°49 | n.a. | W25 |
| T 26 | 7 13 43 | 20°25'44 | 12°22 | 8°20 | 21°32 | 6°59 | 12°20 | 16°34 | 18°12 | 2°54 | 7°R25 | 27°55 | 29°12 | 0°56 | n.a. | T 26 |
| F 27 | 7 17 39 | 21°25'26 | 24°17 | 7°39 | 22°47 | 7°39 | 12°13 | 16°39 | 18°14 | 2°56 | 7°25 | 27°42 | 29° 8 | 1° 2 | n.a. | F 27 |
| S 28 | 7 21 36 | 22°25'05 | 6♌ 8 | 7° 4 | 24° 1 | 8°19 | 12° 5 | 16°43 | 18°16 | 2°57 | 7°25 | 27°31 | 29° 5 | 1° 9 | n.a. | S 28 |
| S 29 | 7 25 32 | 23°24'42 | 17°59 | 6°36 | 25°16 | 8°59 | 11°58 | 16°47 | 18°18 | 2°59 | 7°25 | 27°22 | 29° 2 | 1°16 | n.a. | S 29 |
| M30 | 7 29 29 | 24°24'17 | 29°50 | 6°13 | 26°30 | 9°39 | 11°50 | 16°51 | 18°20 | 3° 1 | 7°25 | 27°15 | 28°59 | 1°23 | n.a. | M30 |
| T 31 | 7 33 26 | 25♑23'50 | 11♍45 | 5♑57 | 27♑45 | 10♏20 | 11♋43 | 16♏55 | 18♏22 | 3♐ 2 | 7♎25 | 27♓12 | 28♓56 | 1♌29 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| S 1 | 23s50 | 22n 2 | 3n54 | 23s25 | 0s 8 | 24s19 | 0s46 | 7s 8 | 0n59 | 24n13 | 1n13 | 15s 3 | 1n30 | 17s10 | 0n 7 | 20s 4 | 0n57 | 9n37 | 13n43 | 0n 7 | 0n13 | 25n25 | | | n.a. |
| M 2 | 23 52 | 17 44 | 3 10 | 23 3 | 0n 5 | 24 26 | 0 47 | 7 24 | 0 59 | 24 14 | 1 13 | 15 5 | 1 30 | 17 11 | 0 7 | 20 5 | 0 57 | 9 37 | 13 43 | 0 4 | 0 11 | 25 23 | | | n.a. |
| T 3 | 23 54 | 12 45 | 2 18 | 22 40 | 0 20 | 24 33 | 0 49 | 7 40 | 0 58 | 24 15 | 1 14 | 15 7 | 1 30 | 17 12 | 0 7 | 20 5 | 0 57 | 9 37 | 13 44 | 0 2 | 0 10 | 25 21 | | | n.a. |
| W 4 | 23 55 | 7 15 | 1 19 | 22 18 | 0 35 | 24 39 | 0 51 | 7 56 | 0 58 | 24 16 | 1 14 | 15 8 | 1 30 | 17 13 | 0 7 | 20 6 | 0 57 | 9 37 | 13 44 | 0 1 | 0 9 | 25 19 | | | n.a. |
| T 5 | 23 55 | 1 23 | 0 15 | 21 55 | 0 51 | 24 43 | 0 53 | 8 11 | 0 57 | 24 17 | 1 14 | 15 10 | 1 30 | 17 14 | 0 7 | 20 6 | 0 57 | 9 37 | 13 44 | 0 1 | 0 7 | 25 18 | | | n.a. |
| F 6 | 23 55 | 4s41 | 0s51 | 21 32 | 1 7 | 24 48 | 0 55 | 8 27 | 0 57 | 24 18 | 1 14 | 15 12 | 1 31 | 17 14 | 0 7 | 20 6 | 0 57 | 9 37 | 13 45 | 0 1 | 0 6 | 25 16 | | | n.a. |
| S 7 | 23 55 | 10 44 | 1 56 | 21 11 | 1 24 | 24 51 | 0 57 | 8 43 | 0 56 | 24 19 | 1 14 | 15 13 | 1 31 | 17 15 | 0 7 | 20 7 | 0 57 | 9 37 | 13 45 | 0 1 | 0 5 | 25 14 | | | n.a. |
| S 8 | 23 54 | 16 31 | 2 57 | 20 50 | 1 41 | 24 54 | 0 58 | 8 58 | 0 56 | 24 20 | 1 14 | 15 15 | 1 31 | 17 16 | 0 7 | 20 7 | 0 57 | 9 37 | 13 46 | 0s 0 | 0 4 | 25 12 | | | n.a. |
| M 9 | 23 53 | 21 42 | 3 50 | 20 30 | 1 57 | 24 55 | 1 0 | 9 14 | 0 55 | 24 21 | 1 15 | 15 17 | 1 31 | 17 17 | 0 7 | 20 8 | 0 57 | 9 38 | 13 46 | 0 3 | 0 2 | 25 10 | | | n.a. |
| T 10 | 23 51 | 25 48 | 4 31 | 20 13 | 2 14 | 24 56 | 1 2 | 9 29 | 0 54 | 24 22 | 1 15 | 15 18 | 1 31 | 17 18 | 0 7 | 20 8 | 0 57 | 9 38 | 13 46 | 0 6 | 0 1 | 25 8 | | | n.a. |
| W11 | 23 48 | 28 20 | 4 55 | 19 57 | 2 30 | 24 57 | 1 3 | 9 45 | 0 54 | 24 23 | 1 15 | 15 20 | 1 31 | 17 18 | 0 7 | 20 9 | 0 57 | 9 38 | 13 47 | 0 10 | 0s 0 | 25 6 | | | n.a. |
| T 12 | 23 46 | 28 51 | 4 59 | 19 43 | 2 45 | 24 56 | 1 5 | 10 0 | 0 53 | 24 24 | 1 15 | 15 21 | 1 31 | 17 19 | 0 7 | 20 9 | 0 57 | 9 38 | 13 47 | 0 15 | 0 2 | 25 4 | | | n.a. |
| F 13 | 23 42 | 27 11 | 4 42 | 19 31 | 3 0 | 24 55 | 1 6 | 10 15 | 0 52 | 24 25 | 1 15 | 15 23 | 1 31 | 17 20 | 0 7 | 20 9 | 0 57 | 9 38 | 13 48 | 0 20 | 0 3 | 25 3 | | | n.a. |
| S 14 | 23 39 | 23 33 | 4 6 | 19 22 | 3 13 | 24 53 | 1 8 | 10 30 | 0 52 | 24 26 | 1 15 | 15 24 | 1 31 | 17 21 | 0 7 | 20 10 | 0 57 | 9 38 | 13 48 | 0 24 | 0 4 | 25 1 | | | n.a. |
| S 15 | 23 35 | 18 22 | 3 12 | 19 15 | 3 25 | 24 50 | 1 9 | 10 46 | 0 51 | 24 27 | 1 16 | 15 26 | 1 31 | 17 21 | 0 7 | 20 10 | 0 57 | 9 39 | 13 48 | 0 27 | 0 5 | 24 59 | | | n.a. |
| M16 | 23 30 | 12 14 | 2 7 | 19 11 | 3 35 | 24 46 | 1 10 | 11 1 | 0 50 | 24 28 | 1 16 | 15 27 | 1 31 | 17 22 | 0 7 | 20 10 | 0 57 | 9 39 | 13 49 | 0 28 | 0 7 | 24 57 | | | n.a. |
| T 17 | 23 25 | 5 36 | 0 56 | 19 9 | 3 43 | 24 42 | 1 12 | 11 16 | 0 50 | 24 29 | 1 16 | 15 28 | 1 31 | 17 23 | 0 7 | 20 11 | 0 57 | 9 39 | 13 49 | 0 29 | 0 8 | 24 55 | | | n.a. |
| W18 | 23 20 | 1n 6 | 0n17 | 19 9 | 3 50 | 24 37 | 1 13 | 11 30 | 0 49 | 24 30 | 1 16 | 15 30 | 1 31 | 17 24 | 0 7 | 20 11 | 0 57 | 9 39 | 13 50 | 0 29 | 0 9 | 24 53 | | | n.a. |
| T 19 | 23 14 | 7 33 | 1 27 | 19 11 | 3 54 | 24 31 | 1 14 | 11 45 | 0 48 | 24 30 | 1 16 | 15 31 | 1 31 | 17 24 | 0 7 | 20 12 | 0 57 | 9 40 | 13 50 | 0 29 | 0 11 | 24 51 | | | n.a. |
| F 20 | 23 7 | 13 30 | 2 31 | 19 16 | 3 57 | 24 24 | 1 15 | 12 0 | 0 48 | 24 31 | 1 16 | 15 32 | 1 31 | 17 25 | 0 7 | 20 12 | 0 57 | 9 40 | 13 50 | 0 30 | 0 12 | 24 49 | | | n.a. |
| S 21 | 23 0 | 18 46 | 3 25 | 19 22 | 3 57 | 24 17 | 1 16 | 12 15 | 0 47 | 24 32 | 1 16 | 15 34 | 1 31 | 17 26 | 0 7 | 20 12 | 0 57 | 9 40 | 13 51 | 0 31 | 0 13 | 24 47 | | | n.a. |
| S 22 | 22 53 | 23 6 | 4 8 | 19 29 | 3 55 | 24 9 | 1 17 | 12 29 | 0 46 | 24 33 | 1 16 | 15 35 | 1 31 | 17 26 | 0 7 | 20 13 | 0 57 | 9 40 | 13 51 | 0 33 | 0 14 | 24 45 | | | n.a. |
| M23 | 22 45 | 26 21 | 4 39 | 19 38 | 3 51 | 24 0 | 1 18 | 12 44 | 0 45 | 24 34 | 1 16 | 15 36 | 1 31 | 17 27 | 0 7 | 20 13 | 0 57 | 9 41 | 13 52 | 0 36 | 0 16 | 24 43 | | | n.a. |
| T 24 | 22 37 | 28 19 | 4 57 | 19 48 | 3 45 | 23 50 | 1 19 | 12 58 | 0 45 | 24 35 | 1 17 | 15 38 | 1 31 | 17 28 | 0 7 | 20 13 | 0 57 | 9 41 | 13 52 | 0 40 | 0 17 | 24 41 | | | n.a. |
| W25 | 22 29 | 28 56 | 5 1 | 19 59 | 3 38 | 23 40 | 1 20 | 13 12 | 0 44 | 24 36 | 1 17 | 15 39 | 1 32 | 17 28 | 0 7 | 20 14 | 0 57 | 9 41 | 13 52 | 0 46 | 0 18 | 24 39 | | | n.a. |
| T 26 | 22 20 | 28 11 | 4 52 | 20 11 | 3 29 | 23 29 | 1 21 | 13 27 | 0 43 | 24 37 | 1 17 | 15 40 | 1 32 | 17 29 | 0 7 | 20 14 | 0 57 | 9 42 | 13 53 | 0 51 | 0 20 | 24 37 | | | n.a. |
| F 27 | 22 11 | 26 7 | 4 30 | 20 23 | 3 19 | 23 17 | 1 21 | 13 41 | 0 42 | 24 37 | 1 17 | 15 41 | 1 32 | 17 29 | 0 7 | 20 14 | 0 57 | 9 42 | 13 53 | 0 56 | 0 21 | 24 35 | | | n.a. |
| S 28 | 22 1 | 22 56 | 3 57 | 20 36 | 3 8 | 23 5 | 1 22 | 13 55 | 0 41 | 24 38 | 1 17 | 15 42 | 1 32 | 17 30 | 0 7 | 20 14 | 0 57 | 9 43 | 13 54 | 1 1 | 0 22 | 24 33 | | | n.a. |
| S 29 | 21 51 | 18 48 | 3 13 | 20 50 | 2 56 | 22 52 | 1 23 | 14 9 | 0 40 | 24 39 | 1 17 | 15 43 | 1 32 | 17 31 | 0 7 | 20 15 | 0 57 | 9 43 | 13 54 | 1 4 | 0 23 | 24 31 | | | n.a. |
| M30 | 21 40 | 13 56 | 2 20 | 21 3 | 2 43 | 22 38 | 1 23 | 14 22 | 0 40 | 24 40 | 1 17 | 15 45 | 1 32 | 17 31 | 0 7 | 20 15 | 0 57 | 9 43 | 13 54 | 1 7 | 0 25 | 24 29 | | | n.a. |
| T 31 | 21s29 | 8n33 | 1n21 | 21s17 | 2n30 | 22s24 | 1s24 | 14s36 | 0n39 | 24n40 | 1n17 | 15s46 | 1n32 | 17s32 | 0n 7 | 20s15 | 0n57 | 9n44 | 13n55 | 1s 8 | 0s26 | 24n27 | | | n.a. |

Julian Day Number = 1005898.5, Delta T = 12h45m42s
Ecliptic obliquity = 23°55'20, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°05'00, Lahiri = -30°57'59 Julian Calendar 1 Jan. 1959 BCE == Greg. Calendar 15 Dec. 1960 BCE

The year -1958 astronomical counting style corresponds to year 1959 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## FEBRUARY 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 37 22 | 26♉23'21 | 23♍46 | 5°R48 | 28♉59 | 11♏ 0 | 11°R35 | 16♏59 | 18♏23 | 3♐ 4 | 7°R25 | 27°D10 | 28♓53 | 1♌36 | n.a. | W 1 |
| T 2 | 7 41 19 | 27°22'50 | 5♎59 | 5°D44 | 0♒14 | 11°40 | 11♋28 | 17° 3 | 18°25 | 3° 5 | 7♎24 | 27♓11 | 28°49 | 1°43 | n.a. | T 2 |
| F 3 | 7 45 15 | 28°22'17 | 18°28 | 5♉47 | 1°28 | 12°20 | 11°21 | 17° 6 | 18°27 | 3° 7 | 7°24 | 27°11 | 28°46 | 1°49 | n.a. | F 3 |
| S 4 | 7 49 12 | 29°21'42 | 1♏16 | 5°55 | 2°43 | 13° 0 | 11°13 | 17°10 | 18°29 | 3° 8 | 7°24 | 27°R12 | 28°43 | 1°56 | n.a. | S 4 |
| S 5 | 7 53 8 | 0♒21'05 | 14°30 | 6° 9 | 3°57 | 13°40 | 11° 6 | 17°14 | 18°30 | 3°10 | 7°23 | 27°11 | 28°40 | 2° 3 | n.a. | S 5 |
| M 6 | 7 57 5 | 1°20'26 | 28°11 | 6°28 | 5°12 | 14°20 | 10°59 | 17°17 | 18°32 | 3°11 | 7°23 | 27° 8 | 28°37 | 2° 9 | n.a. | M 6 |
| T 7 | 8 1 1 | 2°19'46 | 12♐21 | 6°51 | 6°26 | 15° 0 | 10°52 | 17°20 | 18°34 | 3°12 | 7°23 | 27° 2 | 28°34 | 2°16 | n.a. | T 7 |
| W 8 | 8 4 58 | 3°19'03 | 27° 0 | 7°20 | 7°40 | 15°40 | 10°46 | 17°24 | 18°35 | 3°14 | 7°22 | 26°55 | 28°30 | 2°23 | n.a. | W 8 |
| T 9 | 8 8 54 | 4°18'18 | 12♉ 0 | 7°53 | 8°55 | 16°21 | 10°39 | 17°27 | 18°37 | 3°15 | 7°22 | 26°47 | 28°27 | 2°30 | n.a. | T 9 |
| F 10 | 8 12 51 | 5°17'32 | 27°15 | 8°30 | 10° 9 | 17° 1 | 10°32 | 17°30 | 18°38 | 3°16 | 7°21 | 26°39 | 28°24 | 2°36 | n.a. | F 10 |
| S 11 | 8 16 48 | 6°16'43 | 12♒33 | 9°11 | 11°23 | 17°40 | 10°26 | 17°33 | 18°40 | 3°18 | 7°21 | 26°32 | 28°21 | 2°43 | n.a. | S 11 |
| S 12 | 8 20 44 | 7°15'52 | 27°43 | 9°56 | 12°38 | 18°20 | 10°19 | 17°36 | 18°41 | 3°19 | 7°20 | 26°27 | 28°18 | 2°50 | n.a. | S 12 |
| M13 | 8 24 41 | 8°14'58 | 12♓36 | 10°44 | 13°52 | 19° 0 | 10°13 | 17°39 | 18°42 | 3°20 | 7°20 | 26°25 | 28°14 | 2°56 | n.a. | M13 |
| T 14 | 8 28 37 | 9°14'02 | 27° 6 | 11°36 | 15° 6 | 19°40 | 10° 7 | 17°42 | 18°43 | 3°21 | 7°19 | 26°D24 | 28°11 | 3° 3 | n.a. | T 14 |
| W15 | 8 32 34 | 10°13'03 | 11♈ 8 | 12°30 | 16°21 | 20°20 | 10° 1 | 17°44 | 18°45 | 3°23 | 7°18 | 26°24 | 28° 8 | 3°10 | n.a. | W15 |
| T 16 | 8 36 30 | 11°12'02 | 24°43 | 13°28 | 17°35 | 21° 0 | 9°55 | 17°47 | 18°46 | 3°24 | 7°18 | 26°26 | 28° 5 | 3°17 | n.a. | T 16 |
| F 17 | 8 40 27 | 12°10'59 | 7♉52 | 14°28 | 18°49 | 21°40 | 9°49 | 17°49 | 18°47 | 3°25 | 7°17 | 26°R27 | 28° 2 | 3°23 | n.a. | F 17 |
| S 18 | 8 44 23 | 13° 9'53 | 20°40 | 15°31 | 20° 3 | 22°19 | 9°44 | 17°52 | 18°48 | 3°26 | 7°16 | 26°26 | 27°59 | 3°30 | n.a. | S 18 |
| S 19 | 8 48 20 | 14° 8'45 | 3♊ 8 | 16°37 | 21°17 | 22°59 | 9°39 | 17°54 | 18°49 | 3°27 | 7°15 | 26°24 | 27°55 | 3°37 | n.a. | S 19 |
| M20 | 8 52 16 | 15° 7'34 | 15°23 | 17°45 | 22°32 | 23°39 | 9°33 | 17°56 | 18°50 | 3°28 | 7°15 | 26°21 | 27°52 | 3°43 | n.a. | M20 |
| T 21 | 8 56 13 | 16° 6'21 | 27°27 | 18°55 | 23°46 | 24°19 | 9°28 | 17°58 | 18°51 | 3°29 | 7°14 | 26°15 | 27°49 | 3°50 | n.a. | T 21 |
| W22 | 9 0 10 | 17° 5'05 | 9♋24 | 20° 7 | 25° 0 | 24°58 | 9°23 | 18° 0 | 18°52 | 3°30 | 7°13 | 26° 9 | 27°46 | 3°57 | n.a. | W22 |
| T 23 | 9 4 6 | 18° 3'48 | 21°17 | 21°22 | 26°14 | 25°38 | 9°18 | 18° 2 | 18°53 | 3°31 | 7°12 | 26° 1 | 27°43 | 4° 3 | n.a. | T 23 |
| F 24 | 9 8 3 | 19° 2'27 | 3♌ 8 | 22°39 | 27°28 | 26°17 | 9°14 | 18° 4 | 18°53 | 3°32 | 7°11 | 25°54 | 27°40 | 4°10 | n.a. | F 24 |
| S 25 | 9 11 59 | 20° 1'05 | 14°59 | 23°58 | 28°42 | 26°57 | 9° 9 | 18° 6 | 18°54 | 3°33 | 7°10 | 25°48 | 27°36 | 4°17 | n.a. | S 25 |
| S 26 | 9 15 56 | 20°59'41 | 26°52 | 25°18 | 29°56 | 27°37 | 9° 5 | 18° 8 | 18°55 | 3°33 | 7° 9 | 25°44 | 27°33 | 4°23 | n.a. | S 26 |
| M27 | 9 19 52 | 21°58'14 | 8♍48 | 26°41 | 1♓10 | 28°16 | 9° 1 | 18° 9 | 18°55 | 3°34 | 7° 8 | 25°40 | 27°30 | 4°30 | n.a. | M27 |
| T 28 | 9 23 49 | 22♒56'45 | 20♍51 | 28♉ 5 | 2♓24 | 28♏55 | 8♋57 | 18♏11 | 18♏56 | 3♐35 | 7♎ 7 | 25°D39 | 27♓27 | 4♌37 | n.a. | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21s18 | 2n48 | 0n18 | 21s31 | 2n17 | 22s 9 | 1s24 | 14s50 | 0n38 | 24n41 | 1n17 | 15s47 | 1n32 | 17s32 | 0n 7 | 20s16 | 0n57 | 9n44 | 13n55 | 1s 9 | 0s27 | 24n25 | | n.a. |
| T 2 | 21 6 | 3s 8 | 0s47 | 21 44 | 2 4 | 21 53 | 1 24 | 15 3 | 0 37 | 24 42 | 1 17 | 15 48 | 1 32 | 17 33 | 0 7 | 20 16 | 0 57 | 9 45 | 13 55 | 1 9 | 0 29 | 24 23 | | n.a. |
| F 3 | 20 54 | 9 5 | 1 51 | 21 58 | 1 50 | 21 36 | 1 25 | 15 17 | 0 36 | 24 42 | 1 17 | 15 49 | 1 32 | 17 33 | 0 7 | 20 16 | 0 57 | 9 45 | 13 56 | 1 8 | 0 30 | 24 21 | | n.a. |
| S 4 | 20 42 | 14 50 | 2 52 | 22 11 | 1 36 | 21 19 | 1 25 | 15 30 | 0 35 | 24 43 | 1 17 | 15 50 | 1 32 | 17 34 | 0 7 | 20 17 | 0 57 | 9 46 | 13 56 | 1 8 | 0 31 | 24 19 | | n.a. |
| S 5 | 20 29 | 20 5 | 3 45 | 22 24 | 1 23 | 21 2 | 1 25 | 15 43 | 0 34 | 24 44 | 1 17 | 15 51 | 1 32 | 17 34 | 0 7 | 20 17 | 0 57 | 9 46 | 13 57 | 1 9 | 0 32 | 24 17 | | n.a. |
| M 6 | 20 16 | 24 30 | 4 28 | 22 36 | 1 10 | 20 44 | 1 25 | 15 56 | 0 33 | 24 44 | 1 17 | 15 51 | 1 32 | 17 35 | 0 7 | 20 17 | 0 57 | 9 46 | 13 57 | 1 10 | 0 34 | 24 15 | | n.a. |
| T 7 | 20 2 | 27 37 | 4 56 | 22 48 | 0 57 | 20 25 | 1 25 | 16 9 | 0 32 | 24 45 | 1 17 | 15 52 | 1 33 | 17 35 | 0 7 | 20 17 | 0 57 | 9 47 | 13 57 | 1 12 | 0 35 | 24 13 | | n.a. |
| W 8 | 19 48 | 28 59 | 5 6 | 22 59 | 0 44 | 20 5 | 1 25 | 16 22 | 0 31 | 24 46 | 1 17 | 15 53 | 1 33 | 17 35 | 0 7 | 20 18 | 0 57 | 9 47 | 13 58 | 1 15 | 0 36 | 24 11 | | n.a. |
| T 9 | 19 34 | 28 16 | 4 55 | 23 10 | 0 31 | 19 45 | 1 25 | 16 35 | 0 30 | 24 46 | 1 17 | 15 54 | 1 33 | 17 36 | 0 7 | 20 18 | 0 57 | 9 48 | 13 58 | 1 18 | 0 38 | 24 9 | | n.a. |
| F 10 | 19 20 | 25 26 | 4 24 | 23 20 | 0 19 | 19 25 | 1 25 | 16 47 | 0 29 | 24 47 | 1 17 | 15 55 | 1 33 | 17 36 | 0 7 | 20 18 | 0 57 | 9 49 | 13 58 | 1 21 | 0 39 | 24 7 | | n.a. |
| S 11 | 19 5 | 20 47 | 3 33 | 23 29 | 0 7 | 19 4 | 1 24 | 17 0 | 0 28 | 24 47 | 1 17 | 15 56 | 1 33 | 17 37 | 0 7 | 20 18 | 0 57 | 9 49 | 13 59 | 1 24 | 0 40 | 24 5 | | n.a. |
| S 12 | 18 50 | 14 49 | 2 28 | 23 37 | 0s 4 | 18 42 | 1 24 | 17 12 | 0 27 | 24 48 | 1 17 | 15 56 | 1 33 | 17 37 | 0 7 | 20 19 | 0 57 | 9 50 | 13 59 | 1 26 | 0 41 | 24 3 | | n.a. |
| M13 | 18 34 | 8 6 | 1 14 | 23 44 | 0 15 | 18 20 | 1 24 | 17 24 | 0 26 | 24 48 | 1 17 | 15 57 | 1 33 | 17 37 | 0 7 | 20 19 | 0 57 | 9 50 | 13 59 | 1 27 | 0 43 | 24 1 | | n.a. |
| T 14 | 18 18 | 1 7 | 0n 4 | 23 50 | 0 26 | 17 57 | 1 23 | 17 36 | 0 25 | 24 49 | 1 17 | 15 58 | 1 33 | 17 38 | 0 7 | 20 19 | 0 57 | 9 51 | 14 0 | 1 28 | 0 44 | 23 58 | | n.a. |
| W15 | 18 2 | 5n42 | 1 19 | 23 55 | 0 36 | 17 34 | 1 23 | 17 48 | 0 24 | 24 49 | 1 17 | 15 59 | 1 33 | 17 38 | 0 7 | 20 19 | 0 57 | 9 51 | 14 0 | 1 27 | 0 45 | 23 56 | | n.a. |
| T 16 | 17 46 | 12 2 | 2 27 | 23 59 | 0 46 | 17 11 | 1 22 | 18 0 | 0 23 | 24 49 | 1 17 | 15 59 | 1 33 | 17 39 | 0 7 | 20 19 | 0 57 | 9 52 | 14 0 | 1 27 | 0 47 | 23 54 | | n.a. |
| F 17 | 17 29 | 17 38 | 3 25 | 24 2 | 0 55 | 16 47 | 1 22 | 18 12 | 0 21 | 24 50 | 1 17 | 16 0 | 1 33 | 17 39 | 0 7 | 20 20 | 0 57 | 9 52 | 14 1 | 1 26 | 0 48 | 23 52 | | n.a. |
| S 18 | 17 12 | 22 18 | 4 11 | 24 3 | 1 4 | 16 22 | 1 21 | 18 24 | 0 20 | 24 50 | 1 17 | 16 0 | 1 33 | 17 39 | 0 7 | 20 20 | 0 57 | 9 53 | 14 1 | 1 27 | 0 49 | 23 50 | | n.a. |
| S 19 | 16 55 | 25 51 | 4 44 | 24 3 | 1 12 | 15 57 | 1 20 | 18 35 | 0 19 | 24 51 | 1 17 | 16 1 | 1 34 | 17 39 | 0 7 | 20 20 | 0 57 | 9 54 | 14 1 | 1 27 | 0 51 | 23 48 | | n.a. |
| M20 | 16 37 | 28 8 | 5 4 | 24 2 | 1 20 | 15 32 | 1 20 | 18 46 | 0 18 | 24 51 | 1 17 | 16 1 | 1 34 | 17 40 | 0 7 | 20 20 | 0 57 | 9 54 | 14 2 | 1 29 | 0 52 | 23 46 | | n.a. |
| T 21 | 16 20 | 29 3 | 5 9 | 24 0 | 1 27 | 15 6 | 1 19 | 18 58 | 0 17 | 24 51 | 1 17 | 16 2 | 1 34 | 17 40 | 0 7 | 20 20 | 0 57 | 9 55 | 14 2 | 1 31 | 0 53 | 23 43 | | n.a. |
| W22 | 16 2 | 28 35 | 5 1 | 23 56 | 1 34 | 14 40 | 1 18 | 19 9 | 0 15 | 24 52 | 1 17 | 16 2 | 1 34 | 17 40 | 0 7 | 20 20 | 0 57 | 9 55 | 14 2 | 1 34 | 0 54 | 23 41 | | n.a. |
| T 23 | 15 43 | 26 48 | 4 40 | 23 51 | 1 41 | 14 14 | 1 17 | 19 19 | 0 14 | 24 52 | 1 17 | 16 3 | 1 34 | 17 40 | 0 7 | 20 21 | 0 57 | 9 56 | 14 3 | 1 37 | 0 56 | 23 39 | | n.a. |
| F 24 | 15 25 | 23 51 | 4 7 | 23 44 | 1 47 | 13 47 | 1 16 | 19 30 | 0 13 | 24 52 | 1 17 | 16 3 | 1 34 | 17 41 | 0 7 | 20 21 | 0 57 | 9 57 | 14 3 | 1 39 | 0 57 | 23 37 | | n.a. |
| S 25 | 15 6 | 19 54 | 3 23 | 23 35 | 1 52 | 13 20 | 1 15 | 19 41 | 0 12 | 24 52 | 1 17 | 16 4 | 1 34 | 17 41 | 0 7 | 20 21 | 0 57 | 9 57 | 14 3 | 1 42 | 0 58 | 23 35 | | n.a. |
| S 26 | 14 47 | 15 9 | 2 30 | 23 26 | 1 57 | 12 52 | 1 14 | 19 51 | 0 10 | 24 53 | 1 17 | 16 4 | 1 34 | 17 41 | 0 7 | 20 21 | 0 57 | 9 58 | 14 4 | 1 44 | 1 0 | 23 33 | | n.a. |
| M27 | 14 28 | 9 50 | 1 31 | 23 14 | 2 2 | 12 24 | 1 12 | 20 2 | 0 9 | 24 53 | 1 17 | 16 5 | 1 34 | 17 41 | 0 7 | 20 21 | 0 57 | 9 59 | 14 4 | 1 45 | 1 1 | 23 30 | | n.a. |
| T 28 | 14s 9 | 4n 6 | 0n26 | 23s 1 | 2s 6 | 11s56 | 1s11 | 20s12 | 0n 8 | 24n53 | 1n16 | 16s 5 | 1n34 | 17s41 | 0n 7 | 20s21 | 0n57 | 9n59 | 14n 4 | 1s46 | 1s 2 | 23n28 | | n.a. |

Julian Day Number = 1005929.5, Delta T = 12h45m40s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'55, Lahiri = -30°57'55 Julian Calendar 1 Feb. 1959 BCE == Greg. Calendar 15 Jan. 1959 BCE


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## MARCH 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 27 45 | 23♒55'15 | 3♎ 1 | 29♉32 | 3♓38 | 29♏35 | 8°R53 | 18♏12 | 18♏56 | 3♐36 | 7°R 6 | 25♓39 | 27♓24 | 4♌44 | n.a. | W 1 |
| T 2 | 9 31 42 | 24°53'42 | 15°22 | 1♒ 0 | 4°52 | 0♐14 | 8♋49 | 18°13 | 18°57 | 3°36 | 7♎ 5 | 25°40 | 27°20 | 4°50 | n.a. | T 2 |
| F 3 | 9 35 38 | 25°52'08 | 27°57 | 2°29 | 6° 6 | 0°54 | 8°46 | 18°14 | 18°57 | 3°37 | 7° 4 | 25°42 | 27°17 | 4°57 | n.a. | F 3 |
| S 4 | 9 39 35 | 26°50'31 | 10♏50 | 4° 1 | 7°20 | 1°33 | 8°42 | 18°16 | 18°58 | 3°38 | 7° 3 | 25°44 | 27°14 | 5° 4 | n.a. | S 4 |
| S 5 | 9 43 32 | 27°48'54 | 24° 2 | 5°34 | 8°34 | 2°12 | 8°39 | 18°17 | 18°58 | 3°38 | 7° 2 | 25°R44 | 27°11 | 5°10 | n.a. | S 5 |
| M 6 | 9 47 28 | 28°47'14 | 7♐37 | 7° 9 | 9°48 | 2°51 | 8°36 | 18°17 | 18°58 | 3°39 | 7° 0 | 25°44 | 27° 8 | 5°17 | n.a. | M 6 |
| T 7 | 9 51 25 | 29°45'33 | 21°37 | 8°46 | 11° 2 | 3°30 | 8°33 | 18°18 | 18°58 | 3°39 | 6°59 | 25°43 | 27° 5 | 5°24 | n.a. | T 7 |
| W 8 | 9 55 21 | 0♓43'50 | 6♑ 1 | 10°24 | 12°15 | 4° 9 | 8°31 | 18°19 | 18°58 | 3°40 | 6°58 | 25°40 | 27° 1 | 5°30 | n.a. | W 8 |
| T 9 | 9 59 18 | 1°42'06 | 20°45 | 12° 5 | 13°29 | 4°48 | 8°28 | 18°20 | 18°59 | 3°40 | 6°57 | 25°37 | 26°58 | 5°37 | n.a. | T 9 |
| F 10 | 10 3 14 | 2°40'20 | 5♒44 | 13°46 | 14°43 | 5°27 | 8°26 | 18°20 | 18°R59 | 3°41 | 6°55 | 25°34 | 26°55 | 5°44 | n.a. | F 10 |
| S 11 | 10 7 11 | 3°38'31 | 20°49 | 15°30 | 15°57 | 6° 6 | 8°24 | 18°20 | 18°59 | 3°41 | 6°54 | 25°31 | 26°52 | 5°51 | n.a. | S 11 |
| S 12 | 10 11 7 | 4°36'41 | 5♓53 | 17°15 | 17°11 | 6°45 | 8°22 | 18°21 | 18°58 | 3°42 | 6°53 | 25°30 | 26°49 | 5°57 | n.a. | S 12 |
| M13 | 10 15 4 | 5°34'49 | 20°45 | 19° 2 | 18°25 | 7°24 | 8°20 | 18°21 | 18°58 | 3°42 | 6°52 | 25°D29 | 26°46 | 6° 4 | n.a. | M13 |
| T 14 | 10 19 0 | 6°32'55 | 5♈18 | 20°51 | 19°38 | 8° 3 | 8°19 | 18°21 | 18°58 | 3°42 | 6°50 | 25°29 | 26°42 | 6°11 | n.a. | T 14 |
| W15 | 10 22 57 | 7°31'00 | 19°28 | 22°41 | 20°52 | 8°41 | 8°17 | 18°R21 | 18°58 | 3°43 | 6°49 | 25°30 | 26°39 | 6°17 | n.a. | W15 |
| T 16 | 10 26 54 | 8°29'02 | 3♉11 | 24°34 | 22° 6 | 9°20 | 8°16 | 18°21 | 18°58 | 3°43 | 6°47 | 25°31 | 26°36 | 6°24 | n.a. | T 16 |
| F 17 | 10 30 50 | 9°27'02 | 16°28 | 26°27 | 23°19 | 9°58 | 8°15 | 18°21 | 18°57 | 3°43 | 6°46 | 25°32 | 26°33 | 6°31 | n.a. | F 17 |
| S 18 | 10 34 47 | 10°25'00 | 29°20 | 28°23 | 24°33 | 10°37 | 8°14 | 18°21 | 18°57 | 3°43 | 6°45 | 25°33 | 26°30 | 6°37 | n.a. | S 18 |
| S 19 | 10 38 43 | 11°22'56 | 11♊53 | 0♓20 | 25°47 | 11°15 | 8°14 | 18°20 | 18°57 | 3°43 | 6°43 | 25°R33 | 26°26 | 6°44 | n.a. | S 19 |
| M20 | 10 42 40 | 12°20'50 | 24° 8 | 2°19 | 27° 0 | 11°53 | 8°13 | 18°20 | 18°56 | 3°44 | 6°42 | 25°33 | 26°23 | 6°51 | n.a. | M20 |
| T 21 | 10 46 36 | 13°18'42 | 6♋11 | 4°20 | 28°14 | 12°31 | 8°13 | 18°19 | 18°56 | 3°44 | 6°40 | 25°32 | 26°20 | 6°57 | n.a. | T 21 |
| W22 | 10 50 33 | 14°16'32 | 18° 6 | 6°22 | 29°27 | 13° 9 | 8°D13 | 18°18 | 18°55 | 3°44 | 6°39 | 25°31 | 26°17 | 7° 4 | n.a. | W22 |
| T 23 | 10 54 29 | 15°14'20 | 29°57 | 8°26 | 0♈41 | 13°47 | 8°13 | 18°18 | 18°55 | 3°R44 | 6°37 | 25°29 | 26°14 | 7°11 | n.a. | T 23 |
| F 24 | 10 58 26 | 16°12'06 | 11♌47 | 10°31 | 1°54 | 14°25 | 8°14 | 18°17 | 18°54 | 3°44 | 6°36 | 25°28 | 26°11 | 7°18 | n.a. | F 24 |
| S 25 | 11 2 23 | 17° 9'51 | 23°40 | 12°37 | 3° 8 | 15° 3 | 8°14 | 18°16 | 18°53 | 3°44 | 6°34 | 25°27 | 26° 7 | 7°24 | n.a. | S 25 |
| S 26 | 11 6 19 | 18° 7'34 | 5♍38 | 14°45 | 4°21 | 15°41 | 8°15 | 18°15 | 18°53 | 3°44 | 6°33 | 25°26 | 26° 4 | 7°31 | n.a. | S 26 |
| M27 | 11 10 16 | 19° 5'15 | 17°43 | 16°53 | 5°35 | 16°19 | 8°16 | 18°14 | 18°52 | 3°43 | 6°31 | 25°26 | 26° 1 | 7°38 | n.a. | M27 |
| T 28 | 11 14 12 | 20° 2'54 | 29°58 | 19° 3 | 6°48 | 16°56 | 8°17 | 18°13 | 18°51 | 3°43 | 6°30 | 25°D26 | 25°58 | 7°44 | n.a. | T 28 |
| W29 | 11 18 9 | 21° 0'32 | 12♎23 | 21°13 | 8° 2 | 17°34 | 8°18 | 18°11 | 18°50 | 3°43 | 6°28 | 25°26 | 25°55 | 7°51 | n.a. | W29 |
| T 30 | 11 22 5 | 21°58'09 | 25° 0 | 23°23 | 9°15 | 18°11 | 8°19 | 18°10 | 18°49 | 3°43 | 6°26 | 25°26 | 25°51 | 7°58 | n.a. | T 30 |
| F 31 | 11 26 2 | 22♓55'44 | 7♏50 | 25♓34 | 10♈28 | 18♐48 | 8♋21 | 18♏ 8 | 18♏48 | 3♐43 | 6♎25 | 25♓26 | 25♓48 | 8♌ 4 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 13 s49 | 1 s50 | 0 s40 | 22 s46 | 2 s 9 | 11 s27 | 1 s10 | 20 s22 | 0n 6 | 24n53 | 1n16 | 16 s 5 | 1n34 | 17 s41 | 0n 7 | 20 s21 | 0n57 | 10n 0 | 14n 4 | 1 s46 | 1 s 3 | 23n26 | | | n.a. |
| T 2 | 13 29 | 7 48 | 1 46 | 22 30 | 2 12 | 10 59 | 1 9 | 20 32 | 0 5 | 24 53 | 1 16 | 16 5 | 1 34 | 17 42 | 0 7 | 20 22 | 0 57 | 10 1 | 14 5 | 1 45 | 1 5 | 23 24 | | | n.a. |
| F 3 | 13 9 | 13 34 | 2 48 | 22 11 | 2 15 | 10 29 | 1 7 | 20 42 | 0 4 | 24 54 | 1 16 | 16 6 | 1 35 | 17 42 | 0 7 | 20 22 | 0 57 | 10 1 | 14 5 | 1 45 | 1 6 | 23 22 | | | n.a. |
| S 4 | 12 49 | 18 53 | 3 43 | 21 51 | 2 17 | 10 0 | 1 6 | 20 51 | 0 2 | 24 54 | 1 16 | 16 6 | 1 35 | 17 42 | 0 7 | 20 22 | 0 57 | 10 2 | 14 5 | 1 44 | 1 7 | 23 19 | | | n.a. |
| S 5 | 12 28 | 23 28 | 4 27 | 21 30 | 2 19 | 9 31 | 1 4 | 21 1 | 0 1 | 24 54 | 1 16 | 16 6 | 1 35 | 17 42 | 0 7 | 20 22 | 0 58 | 10 3 | 14 5 | 1 44 | 1 9 | 23 17 | | | n.a. |
| M 6 | 12 8 | 26 55 | 4 58 | 21 6 | 2 20 | 9 1 | 1 2 | 21 10 | 0s 1 | 24 54 | 1 16 | 16 6 | 1 35 | 17 42 | 0 7 | 20 22 | 0 58 | 10 3 | 14 6 | 1 44 | 1 10 | 23 15 | | | n.a. |
| T 7 | 11 47 | 28 51 | 5 13 | 20 41 | 2 20 | 8 31 | 1 1 | 21 19 | 0 2 | 24 54 | 1 16 | 16 6 | 1 35 | 17 42 | 0 7 | 20 22 | 0 58 | 10 4 | 14 6 | 1 44 | 1 11 | 23 13 | | | n.a. |
| W 8 | 11 26 | 28 55 | 5 9 | 20 14 | 2 20 | 8 0 | 0 59 | 21 28 | 0 4 | 24 54 | 1 16 | 16 7 | 1 35 | 17 42 | 0 7 | 20 22 | 0 58 | 10 5 | 14 6 | 1 45 | 1 12 | 23 11 | | | n.a. |
| T 9 | 11 5 | 26 58 | 4 44 | 19 44 | 2 19 | 7 30 | 0 57 | 21 37 | 0 5 | 24 54 | 1 16 | 16 7 | 1 35 | 17 42 | 0 7 | 20 22 | 0 58 | 10 5 | 14 6 | 1 46 | 1 14 | 23 8 | | | n.a. |
| F 10 | 10 44 | 23 6 | 4 0 | 19 14 | 2 18 | 6 59 | 0 56 | 21 45 | 0 7 | 24 54 | 1 16 | 16 7 | 1 35 | 17 42 | 0 7 | 20 22 | 0 58 | 10 6 | 14 7 | 1 48 | 1 15 | 23 6 | | | n.a. |
| S 11 | 10 22 | 17 40 | 2 59 | 18 41 | 2 17 | 6 28 | 0 54 | 21 54 | 0 8 | 24 54 | 1 15 | 16 7 | 1 35 | 17 42 | 0 7 | 20 22 | 0 58 | 10 7 | 14 7 | 1 49 | 1 16 | 23 4 | | | n.a. |
| S 12 | 10 1 | 11 10 | 1 46 | 18 6 | 2 14 | 5 57 | 0 52 | 22 2 | 0 10 | 24 54 | 1 15 | 16 7 | 1 35 | 17 42 | 0 7 | 20 22 | 0 58 | 10 8 | 14 7 | 1 50 | 1 18 | 23 2 | | | n.a. |
| M13 | 9 39 | 4 8 | 0 26 | 17 30 | 2 11 | 5 26 | 0 50 | 22 11 | 0 12 | 24 54 | 1 15 | 16 7 | 1 35 | 17 42 | 0 7 | 20 22 | 0 58 | 10 8 | 14 7 | 1 50 | 1 19 | 22 59 | | | n.a. |
| T 14 | 9 17 | 2n58 | 0n54 | 16 51 | 2 8 | 4 55 | 0 48 | 22 19 | 0 13 | 24 54 | 1 15 | 16 7 | 1 36 | 17 42 | 0 7 | 20 22 | 0 58 | 10 9 | 14 7 | 1 50 | 1 20 | 22 57 | | | n.a. |
| W15 | 8 55 | 9 44 | 2 9 | 16 11 | 2 4 | 4 24 | 0 46 | 22 26 | 0 15 | 24 54 | 1 15 | 16 7 | 1 36 | 17 42 | 0 7 | 20 23 | 0 58 | 10 10 | 14 7 | 1 49 | 1 21 | 22 55 | | | n.a. |
| T 16 | 8 33 | 15 50 | 3 13 | 15 29 | 2 0 | 3 52 | 0 44 | 22 34 | 0 17 | 24 54 | 1 15 | 16 6 | 1 36 | 17 42 | 0 7 | 20 23 | 0 58 | 10 10 | 14 8 | 1 49 | 1 23 | 22 52 | | | n.a. |
| F 17 | 8 11 | 21 0 | 4 6 | 14 45 | 1 55 | 3 21 | 0 42 | 22 42 | 0 18 | 24 54 | 1 15 | 16 6 | 1 36 | 17 42 | 0 7 | 20 23 | 0 58 | 10 11 | 14 8 | 1 48 | 1 24 | 22 50 | | | n.a. |
| S 18 | 7 49 | 25 1 | 4 44 | 13 59 | 1 49 | 2 49 | 0 40 | 22 49 | 0 20 | 24 54 | 1 15 | 16 6 | 1 36 | 17 42 | 0 7 | 20 23 | 0 58 | 10 12 | 14 8 | 1 48 | 1 25 | 22 48 | | | n.a. |
| S 19 | 7 26 | 27 44 | 5 7 | 13 11 | 1 43 | 2 17 | 0 38 | 22 56 | 0 22 | 24 54 | 1 15 | 16 6 | 1 36 | 17 42 | 0 7 | 20 23 | 0 58 | 10 12 | 14 8 | 1 48 | 1 27 | 22 46 | | | n.a. |
| M20 | 7 4 | 29 3 | 5 16 | 12 21 | 1 37 | 1 45 | 0 35 | 23 3 | 0 24 | 24 54 | 1 14 | 16 6 | 1 36 | 17 42 | 0 7 | 20 23 | 0 58 | 10 13 | 14 8 | 1 48 | 1 28 | 22 43 | | | n.a. |
| T 21 | 6 41 | 28 57 | 5 11 | 11 30 | 1 29 | 1 13 | 0 33 | 23 10 | 0 25 | 24 54 | 1 14 | 16 5 | 1 36 | 17 41 | 0 7 | 20 23 | 0 58 | 10 14 | 14 8 | 1 49 | 1 29 | 22 41 | | | n.a. |
| W22 | 6 19 | 27 29 | 4 52 | 10 37 | 1 22 | 0 42 | 0 31 | 23 17 | 0 27 | 24 54 | 1 14 | 16 5 | 1 36 | 17 41 | 0 7 | 20 23 | 0 58 | 10 15 | 14 8 | 1 49 | 1 30 | 22 39 | | | n.a. |
| T 23 | 5 56 | 24 49 | 4 21 | 9 43 | 1 14 | 0 10 | 0 29 | 23 24 | 0 29 | 24 54 | 1 14 | 16 5 | 1 36 | 17 41 | 0 7 | 20 23 | 0 58 | 10 15 | 14 9 | 1 50 | 1 32 | 22 36 | | | n.a. |
| F 24 | 5 33 | 21 6 | 3 39 | 8 47 | 1 5 | 0n22 | 0 26 | 23 30 | 0 31 | 24 53 | 1 14 | 16 5 | 1 36 | 17 41 | 0 7 | 20 23 | 0 58 | 10 16 | 14 9 | 1 50 | 1 33 | 22 34 | | | n.a. |
| S 25 | 5 10 | 16 31 | 2 47 | 7 49 | 0 56 | 0 54 | 0 24 | 23 36 | 0 33 | 24 53 | 1 14 | 16 4 | 1 36 | 17 41 | 0 7 | 20 23 | 0 58 | 10 17 | 14 9 | 1 51 | 1 34 | 22 32 | | | n.a. |
| S 26 | 4 47 | 11 17 | 1 48 | 6 50 | 0 47 | 1 26 | 0 22 | 23 43 | 0 35 | 24 53 | 1 14 | 16 4 | 1 37 | 17 41 | 0 7 | 20 22 | 0 58 | 10 17 | 14 9 | 1 51 | 1 36 | 22 29 | | | n.a. |
| M27 | 4 24 | 5 36 | 0 43 | 5 51 | 0 37 | 1 58 | 0 19 | 23 48 | 0 37 | 24 53 | 1 14 | 16 4 | 1 37 | 17 40 | 0 7 | 20 22 | 0 58 | 10 18 | 14 9 | 1 51 | 1 37 | 22 27 | | | n.a. |
| T 28 | 4 1 | 0 s22 | 0 s25 | 4 50 | 0 27 | 2 30 | 0 17 | 23 54 | 0 38 | 24 53 | 1 13 | 16 3 | 1 37 | 17 40 | 0 7 | 20 22 | 0 58 | 10 19 | 14 9 | 1 51 | 1 38 | 22 25 | | | n.a. |
| W29 | 3 38 | 6 24 | 1 33 | 3 48 | 0 17 | 3 2 | 0 14 | 24 0 | 0 40 | 24 53 | 1 13 | 16 3 | 1 37 | 17 40 | 0 7 | 20 22 | 0 58 | 10 19 | 14 9 | 1 51 | 1 39 | 22 22 | | | n.a. |
| T 30 | 3 15 | 12 17 | 2 37 | 2 46 | 0 6 | 3 33 | 0 12 | 24 5 | 0 42 | 24 52 | 1 13 | 16 2 | 1 37 | 17 40 | 0 7 | 20 22 | 0 58 | 10 20 | 14 9 | 1 51 | 1 41 | 22 20 | | | n.a. |
| F 31 | 2 s52 | 17 s46 | 3 s34 | 1 s44 | 0n 4 | 4n 5 | 0 s 9 | 24 s11 | 0 s45 | 24n52 | 1n13 | 16 s 2 | 1n37 | 17 s39 | 0n 7 | 20 s22 | 0n58 | 10n21 | 14n 9 | 1 s51 | 1 s42 | 22n17 | | | n.a. |

Julian Day Number = 1005957.5, Delta T = 12h45m38s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'52, Lahiri = -30°57'51 Julian Calendar 1 March 1959 BCE == Greg. Calendar 12 Feb. 1959 BCE

The year -1958 astronomical counting style corresponds to year 1959 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## APRIL 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 29 58 | 23♓53'18 | 20♏56 | 27♓44 | 11♈42 | 19♐25 | 8♋23 | 18°R 7 | 18°R47 | 3°R42 | 6°R23 | 25♓27 | 25♓45 | 8♌11 | n.a. | S 1 |
| S 2 | 11 33 55 | 24°50'52 | 4♐17 | 29°54 | 12°55 | 20° 2 | 8°24 | 18♏ 5 | 18♏46 | 3♐42 | 6♎22 | 25°27 | 25°42 | 8°18 | n.a. | S 2 |
| M 3 | 11 37 51 | 25°48'24 | 17°55 | 2♈ 3 | 14° 8 | 20°39 | 8°27 | 18° 3 | 18°45 | 3°42 | 6°20 | 25°R27 | 25°39 | 8°24 | n.a. | M 3 |
| T 4 | 11 41 48 | 26°45'55 | 1♉50 | 4°12 | 15°21 | 21°16 | 8°29 | 18° 1 | 18°44 | 3°41 | 6°18 | 25°D27 | 25°36 | 8°31 | n.a. | T 4 |
| W 5 | 11 45 45 | 27°43'24 | 16° 1 | 6°19 | 16°35 | 21°53 | 8°31 | 18° 0 | 18°43 | 3°41 | 6°17 | 25°27 | 25°32 | 8°38 | n.a. | W 5 |
| T 6 | 11 49 41 | 28°40'53 | 0♒27 | 8°25 | 17°48 | 22°29 | 8°34 | 17°58 | 18°41 | 3°41 | 6°15 | 25°27 | 25°29 | 8°44 | n.a. | T 6 |
| F 7 | 11 53 38 | 29°38'21 | 15° 4 | 10°29 | 19° 1 | 23° 6 | 8°37 | 17°55 | 18°40 | 3°40 | 6°13 | 25°27 | 25°26 | 8°51 | n.a. | F 7 |
| S 8 | 11 57 34 | 0♈35'48 | 29°46 | 12°31 | 20°14 | 23°42 | 8°40 | 17°53 | 18°39 | 3°40 | 6°12 | 25°28 | 25°23 | 8°58 | n.a. | S 8 |
| S 9 | 12 1 31 | 1°33'14 | 14♓29 | 14°30 | 21°27 | 24°18 | 8°43 | 17°51 | 18°37 | 3°39 | 6°10 | 25°28 | 25°20 | 9° 5 | n.a. | S 9 |
| M10 | 12 5 27 | 2°30'38 | 29° 5 | 16°28 | 22°40 | 24°54 | 8°46 | 17°49 | 18°36 | 3°39 | 6° 9 | 25°R28 | 25°17 | 9°11 | n.a. | M10 |
| T 11 | 12 9 24 | 3°28'02 | 13♈27 | 18°23 | 23°53 | 25°30 | 8°50 | 17°46 | 18°35 | 3°38 | 6° 7 | 25°28 | 25°13 | 9°18 | n.a. | T 11 |
| W12 | 12 13 20 | 4°25'24 | 27°32 | 20°16 | 25° 7 | 26° 6 | 8°53 | 17°44 | 18°33 | 3°37 | 6° 5 | 25°27 | 25°10 | 9°25 | n.a. | W12 |
| T 13 | 12 17 17 | 5°22'45 | 11♉14 | 22° 6 | 26°20 | 26°41 | 8°57 | 17°41 | 18°32 | 3°37 | 6° 4 | 25°26 | 25° 7 | 9°31 | n.a. | T 13 |
| F 14 | 12 21 14 | 6°20'05 | 24°34 | 23°53 | 27°33 | 27°16 | 9° 1 | 17°38 | 18°30 | 3°36 | 6° 2 | 25°25 | 25° 4 | 9°38 | n.a. | F 14 |
| S 15 | 12 25 10 | 7°17'24 | 7♊30 | 25°38 | 28°46 | 27°52 | 9° 5 | 17°36 | 18°28 | 3°35 | 6° 0 | 25°23 | 25° 1 | 9°45 | n.a. | S 15 |
| S 16 | 12 29 7 | 8°14'41 | 20° 6 | 27°19 | 29°59 | 28°27 | 9° 9 | 17°33 | 18°27 | 3°35 | 5°59 | 25°22 | 24°57 | 9°51 | n.a. | S 16 |
| M17 | 12 33 3 | 9°11'58 | 2♋23 | 28°58 | 1♉12 | 29° 1 | 9°14 | 17°30 | 18°25 | 3°34 | 5°57 | 25°22 | 24°54 | 9°58 | n.a. | M17 |
| T 18 | 12 37 0 | 10° 9'13 | 14°28 | 0♉34 | 2°24 | 29°36 | 9°19 | 17°27 | 18°23 | 3°33 | 5°55 | 25°D22 | 24°51 | 10° 5 | n.a. | T 18 |
| W19 | 12 40 56 | 11° 6'27 | 26°23 | 2° 7 | 3°37 | 0♉11 | 9°23 | 17°24 | 18°22 | 3°32 | 5°54 | 25°22 | 24°48 | 10°11 | n.a. | W19 |
| T 20 | 12 44 53 | 12° 3'39 | 8♌14 | 3°37 | 4°50 | 0°45 | 9°28 | 17°21 | 18°20 | 3°32 | 5°52 | 25°23 | 24°45 | 10°18 | n.a. | T 20 |
| F 21 | 12 48 50 | 13° 0'51 | 20° 5 | 5° 5 | 6° 3 | 1°19 | 9°33 | 17°17 | 18°18 | 3°31 | 5°50 | 25°25 | 24°42 | 10°25 | n.a. | F 21 |
| S 22 | 12 52 46 | 13°58'01 | 2♍ 1 | 6°29 | 7°16 | 1°53 | 9°39 | 17°14 | 18°16 | 3°30 | 5°49 | 25°26 | 24°38 | 10°31 | n.a. | S 22 |
| S 23 | 12 56 43 | 14°55'11 | 14° 5 | 7°50 | 8°29 | 2°27 | 9°44 | 17°11 | 18°14 | 3°29 | 5°47 | 25°27 | 24°35 | 10°38 | n.a. | S 23 |
| M24 | 13 0 39 | 15°52'20 | 26°19 | 9° 8 | 9°41 | 3° 0 | 9°49 | 17° 8 | 18°13 | 3°28 | 5°45 | 25°R27 | 24°32 | 10°45 | n.a. | M24 |
| T 25 | 13 4 36 | 16°49'28 | 8♎48 | 10°23 | 10°54 | 3°33 | 9°55 | 17° 4 | 18°11 | 3°27 | 5°44 | 25°27 | 24°29 | 10°51 | n.a. | T 25 |
| W26 | 13 8 32 | 17°46'35 | 21°31 | 11°35 | 12° 7 | 4° 6 | 10° 1 | 17° 1 | 18° 9 | 3°26 | 5°42 | 25°25 | 24°26 | 10°58 | n.a. | W26 |
| T 27 | 13 12 29 | 18°43'41 | 4♏29 | 12°43 | 13°19 | 4°39 | 10° 7 | 16°57 | 18° 7 | 3°25 | 5°41 | 25°23 | 24°23 | 11° 5 | n.a. | T 27 |
| F 28 | 13 16 25 | 19°40'47 | 17°42 | 13°48 | 14°32 | 5°12 | 10°13 | 16°53 | 18° 5 | 3°24 | 5°39 | 25°19 | 24°19 | 11°12 | n.a. | F 28 |
| S 29 | 13 20 22 | 20°37'53 | 1♐ 9 | 14°50 | 15°45 | 5°44 | 10°19 | 16°50 | 18° 3 | 3°23 | 5°37 | 25°16 | 24°16 | 11°18 | n.a. | S 29 |
| S 30 | 13 24 19 | 21♈34'59 | 14♐48 | 15♉49 | 16♉57 | 6♉16 | 10♋26 | 16♏46 | 18♏ 1 | 3♐22 | 5♎36 | 25♓12 | 24♓13 | 11♌25 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s28 | 22s33 | 4s22 | 0s41 | 0n15 | 4n36 | 0s 7 | 24s16 | 0s47 | 24n52 | 1n13 | 16s 1 | 1n37 | 17s39 | 0n 7 | 20s22 | 0n58 | 10n21 | 14n 9 | 1s51 | 1s43 | 22n15 | | n.a. |
| S 2 | 2 5 | 26 16 | 4 56 | 0n21 | 0 26 | 5 8 | 0 4 | 24 21 | 0 49 | 24 52 | 1 13 | 16 1 | 1 37 | 17 39 | 0 7 | 20 22 | 0 58 | 10 22 | 14 9 | 1 51 | 1 45 | 22 13 | | n.a. |
| M 3 | 1 42 | 28 35 | 5 14 | 1 23 | 0 36 | 5 39 | 0 2 | 24 26 | 0 51 | 24 51 | 1 13 | 16 0 | 1 37 | 17 38 | 0 7 | 20 22 | 0 58 | 10 23 | 14 9 | 1 51 | 1 46 | 22 10 | | n.a. |
| T 4 | 1 19 | 29 10 | 5 15 | 2 25 | 0 46 | 6 11 | 0n 1 | 24 30 | 0 53 | 24 51 | 1 12 | 16 0 | 1 37 | 17 38 | 0 7 | 20 22 | 0 58 | 10 23 | 14 9 | 1 51 | 1 47 | 22 8 | | n.a. |
| W 5 | 0 55 | 27 51 | 4 57 | 3 25 | 0 57 | 6 42 | 0 3 | 24 35 | 0 55 | 24 51 | 1 12 | 15 59 | 1 37 | 17 38 | 0 7 | 20 22 | 0 58 | 10 24 | 14 9 | 1 51 | 1 48 | 22 5 | | n.a. |
| T 6 | 0 32 | 24 41 | 4 20 | 4 25 | 1 6 | 7 13 | 0 6 | 24 39 | 0 57 | 24 50 | 1 12 | 15 58 | 1 37 | 17 37 | 0 7 | 20 22 | 0 58 | 10 25 | 14 9 | 1 51 | 1 50 | 22 3 | | n.a. |
| F 7 | 0 9 | 19 55 | 3 26 | 5 23 | 1 16 | 7 43 | 0 8 | 24 44 | 0 59 | 24 50 | 1 12 | 15 58 | 1 37 | 17 37 | 0 7 | 20 22 | 0 58 | 10 25 | 14 9 | 1 50 | 1 51 | 22 1 | | n.a. |
| S 8 | 0n15 | 13 55 | 2 18 | 6 20 | 1 25 | 8 14 | 0 11 | 24 48 | 1 2 | 24 50 | 1 12 | 15 57 | 1 37 | 17 37 | 0 7 | 20 21 | 0 58 | 10 26 | 14 9 | 1 50 | 1 52 | 21 58 | | n.a. |
| S 9 | 0 38 | 7 9 | 1 1 | 7 15 | 1 33 | 8 44 | 0 14 | 24 52 | 1 4 | 24 49 | 1 12 | 15 56 | 1 37 | 17 36 | 0 7 | 20 21 | 0 58 | 10 27 | 14 9 | 1 50 | 1 54 | 21 56 | | n.a. |
| M10 | 1 1 | 0 4 | 0n20 | 8 9 | 1 41 | 9 15 | 0 16 | 24 56 | 1 6 | 24 49 | 1 12 | 15 56 | 1 38 | 17 36 | 0 7 | 20 21 | 0 58 | 10 27 | 14 9 | 1 50 | 1 55 | 21 53 | | n.a. |
| T 11 | 1 24 | 6n55 | 1 38 | 9 1 | 1 48 | 9 45 | 0 19 | 24 59 | 1 9 | 24 49 | 1 12 | 15 55 | 1 38 | 17 36 | 0 7 | 20 21 | 0 58 | 10 28 | 14 9 | 1 50 | 1 56 | 21 51 | | n.a. |
| W12 | 1 48 | 13 25 | 2 48 | 9 51 | 1 55 | 10 14 | 0 21 | 25 3 | 1 11 | 24 48 | 1 11 | 15 54 | 1 38 | 17 35 | 0 7 | 20 21 | 0 58 | 10 28 | 14 9 | 1 51 | 1 57 | 21 48 | | n.a. |
| T 13 | 2 11 | 19 6 | 3 47 | 10 39 | 2 1 | 10 44 | 0 24 | 25 6 | 1 13 | 24 48 | 1 11 | 15 53 | 1 38 | 17 35 | 0 7 | 20 21 | 0 58 | 10 29 | 14 9 | 1 51 | 1 59 | 21 46 | | n.a. |
| F 14 | 2 34 | 23 40 | 4 32 | 11 24 | 2 7 | 11 13 | 0 27 | 25 9 | 1 16 | 24 48 | 1 11 | 15 52 | 1 38 | 17 34 | 0 7 | 20 21 | 0 58 | 10 30 | 14 9 | 1 52 | 2 0 | 21 44 | | n.a. |
| S 15 | 2 57 | 26 57 | 5 1 | 12 8 | 2 11 | 11 42 | 0 29 | 25 12 | 1 18 | 24 47 | 1 11 | 15 52 | 1 38 | 17 34 | 0 7 | 20 21 | 0 58 | 10 30 | 14 9 | 1 52 | 2 1 | 21 41 | | n.a. |
| S 16 | 3 20 | 28 47 | 5 15 | 12 50 | 2 16 | 12 11 | 0 32 | 25 15 | 1 21 | 24 47 | 1 11 | 15 51 | 1 38 | 17 33 | 0 7 | 20 20 | 0 58 | 10 31 | 14 9 | 1 53 | 2 3 | 21 39 | | n.a. |
| M17 | 3 43 | 29 8 | 5 14 | 13 29 | 2 19 | 12 39 | 0 34 | 25 18 | 1 23 | 24 46 | 1 11 | 15 50 | 1 38 | 17 33 | 0 7 | 20 20 | 0 58 | 10 31 | 14 9 | 1 53 | 2 4 | 21 36 | | n.a. |
| T 18 | 4 6 | 28 4 | 4 59 | 14 6 | 2 21 | 13 8 | 0 37 | 25 21 | 1 26 | 24 46 | 1 11 | 15 49 | 1 38 | 17 32 | 0 7 | 20 20 | 0 58 | 10 32 | 14 9 | 1 53 | 2 5 | 21 34 | | n.a. |
| W19 | 4 29 | 25 44 | 4 31 | 14 41 | 2 23 | 13 35 | 0 39 | 25 24 | 1 28 | 24 45 | 1 11 | 15 48 | 1 38 | 17 32 | 0 7 | 20 20 | 0 58 | 10 33 | 14 8 | 1 53 | 2 6 | 21 31 | | n.a. |
| T 20 | 4 52 | 22 18 | 3 52 | 15 14 | 2 24 | 14 3 | 0 42 | 25 26 | 1 31 | 24 45 | 1 10 | 15 47 | 1 38 | 17 31 | 0 7 | 20 20 | 0 58 | 10 33 | 14 8 | 1 52 | 2 8 | 21 29 | | n.a. |
| F 21 | 5 14 | 17 58 | 3 3 | 15 44 | 2 25 | 14 30 | 0 44 | 25 28 | 1 33 | 24 44 | 1 10 | 15 46 | 1 38 | 17 31 | 0 7 | 20 20 | 0 58 | 10 34 | 14 8 | 1 52 | 2 9 | 21 26 | | n.a. |
| S 22 | 5 37 | 12 55 | 2 6 | 16 13 | 2 24 | 14 57 | 0 47 | 25 31 | 1 36 | 24 44 | 1 10 | 15 45 | 1 38 | 17 30 | 0 7 | 20 19 | 0 58 | 10 34 | 14 8 | 1 51 | 2 10 | 21 24 | | n.a. |
| S 23 | 6 0 | 7 21 | 1 2 | 16 39 | 2 23 | 15 23 | 0 49 | 25 33 | 1 39 | 24 43 | 1 10 | 15 44 | 1 38 | 17 30 | 0 7 | 20 19 | 0 58 | 10 35 | 14 8 | 1 51 | 2 12 | 21 21 | | n.a. |
| M24 | 6 22 | 1 25 | 0s 5 | 17 3 | 2 21 | 15 50 | 0 52 | 25 35 | 1 41 | 24 43 | 1 10 | 15 43 | 1 38 | 17 29 | 0 7 | 20 19 | 0 58 | 10 35 | 14 8 | 1 50 | 2 13 | 21 19 | | n.a. |
| T 25 | 6 44 | 4s40 | 1 13 | 17 25 | 2 19 | 16 15 | 0 54 | 25 37 | 1 44 | 24 42 | 1 10 | 15 42 | 1 38 | 17 29 | 0 7 | 20 19 | 0 58 | 10 36 | 14 8 | 1 51 | 2 14 | 21 16 | | n.a. |
| W26 | 7 7 | 10 41 | 2 18 | 17 45 | 2 15 | 16 40 | 0 57 | 25 38 | 1 47 | 24 42 | 1 10 | 15 41 | 1 38 | 17 28 | 0 7 | 20 19 | 0 58 | 10 36 | 14 7 | 1 51 | 2 15 | 21 14 | | n.a. |
| T 27 | 7 29 | 16 22 | 3 18 | 18 2 | 2 11 | 17 5 | 0 59 | 25 40 | 1 50 | 24 41 | 1 10 | 15 40 | 1 38 | 17 28 | 0 7 | 20 18 | 0 58 | 10 37 | 14 7 | 1 52 | 2 17 | 21 11 | | n.a. |
| F 28 | 7 51 | 21 25 | 4 9 | 18 18 | 2 6 | 17 30 | 1 1 | 25 42 | 1 53 | 24 40 | 1 9 | 15 39 | 1 38 | 17 27 | 0 7 | 20 18 | 0 58 | 10 37 | 14 7 | 1 54 | 2 18 | 21 9 | | n.a. |
| S 29 | 8 13 | 25 28 | 4 46 | 18 31 | 2 0 | 17 54 | 1 4 | 25 43 | 1 55 | 24 40 | 1 9 | 15 38 | 1 38 | 17 27 | 0 7 | 20 18 | 0 58 | 10 37 | 14 7 | 1 55 | 2 19 | 21 6 | | n.a. |
| S 30 | 8n35 | 28s 8 | 5s 8 | 18n43 | 1n54 | 18n17 | 1n 6 | 25s44 | 1s58 | 24n39 | 1n 9 | 15s37 | 1n38 | 17s26 | 0n 7 | 20s18 | 0n58 | 10n38 | 14n 7 | 1s57 | 2s21 | 21n 4 | | n.a. |

Julian Day Number = 1005988.5, Delta T = 12h45m36s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'47, Lahiri = -30°57'47 Julian Calendar 1 Apr. 1959 BCE == Greg. Calendar 15 March 1959 BCE


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## MAY 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 13 28 15 | 22♈32'04 | 28♐39 | 16♉43 | 18♉10 | 6♊48 | 10♋32 | 16°R42 | 17°R59 | 3°R21 | 5°R34 | 25°R10 | 24♓10 | 11♌32 | n.a. | M 1 |
| T 2 | 13 32 12 | 23°29'09 | 12♊39 | 17°35 | 19°22 | 7°20 | 10°39 | 16♏38 | 17♏56 | 3♐20 | 5♎33 | 25♓ 8 | 24° 7 | 11°38 | n.a. | T 2 |
| W 3 | 13 36 8 | 24°26'14 | 26°47 | 18°22 | 20°35 | 7°51 | 10°46 | 16°35 | 17°54 | 3°18 | 5°31 | 25°D 7 | 24° 3 | 11°45 | n.a. | W 3 |
| T 4 | 13 40 5 | 25°23'18 | 11♒ 1 | 19° 6 | 21°47 | 8°23 | 10°53 | 16°31 | 17°52 | 3°17 | 5°30 | 25° 8 | 24° 0 | 11°52 | n.a. | T 4 |
| F 5 | 13 44 1 | 26°20'23 | 25°18 | 19°46 | 23° 0 | 8°53 | 11° 0 | 16°27 | 17°50 | 3°16 | 5°28 | 25° 9 | 23°57 | 11°58 | n.a. | F 5 |
| S 6 | 13 47 58 | 27°17'27 | 9♓36 | 20°22 | 24°12 | 9°24 | 11° 7 | 16°23 | 17°48 | 3°15 | 5°27 | 25°11 | 23°54 | 12° 5 | n.a. | S 6 |
| S 7 | 13 51 55 | 28°14'32 | 23°52 | 20°54 | 25°24 | 9°54 | 11°14 | 16°19 | 17°46 | 3°14 | 5°25 | 25°R12 | 23°51 | 12°12 | n.a. | S 7 |
| M 8 | 13 55 51 | 29°11'36 | 8♈ 3 | 21°21 | 26°37 | 10°24 | 11°22 | 16°15 | 17°43 | 3°12 | 5°24 | 25°11 | 23°48 | 12°18 | n.a. | M 8 |
| T 9 | 13 59 48 | 0♉ 8'40 | 22° 5 | 21°45 | 27°49 | 10°54 | 11°29 | 16°10 | 17°41 | 3°11 | 5°22 | 25° 9 | 23°44 | 12°25 | n.a. | T 9 |
| W10 | 14 3 44 | 1° 5'44 | 5♉53 | 22° 4 | 29° 1 | 11°23 | 11°37 | 16° 6 | 17°39 | 3°10 | 5°21 | 25° 5 | 23°41 | 12°32 | n.a. | W10 |
| T 11 | 14 7 41 | 2° 2'48 | 19°24 | 22°18 | 0♊14 | 11°52 | 11°45 | 16° 2 | 17°36 | 3° 8 | 5°19 | 25° 0 | 23°38 | 12°38 | n.a. | T 11 |
| F 12 | 14 11 37 | 2°59'52 | 2♊37 | 22°28 | 1°26 | 12°20 | 11°53 | 15°58 | 17°34 | 3° 7 | 5°18 | 24°53 | 23°35 | 12°45 | n.a. | F 12 |
| S 13 | 14 15 34 | 3°56'56 | 15°30 | 22°33 | 2°38 | 12°49 | 12° 1 | 15°54 | 17°32 | 3° 6 | 5°16 | 24°47 | 23°32 | 12°52 | n.a. | S 13 |
| S 14 | 14 19 30 | 4°53'59 | 28° 5 | 22°R34 | 3°50 | 13°16 | 12° 9 | 15°49 | 17°30 | 3° 4 | 5°15 | 24°41 | 23°28 | 12°58 | n.a. | S 14 |
| M15 | 14 23 27 | 5°51'02 | 10♋23 | 22°30 | 5° 3 | 13°44 | 12°17 | 15°45 | 17°27 | 3° 3 | 5°14 | 24°37 | 23°25 | 13° 5 | n.a. | M15 |
| T 16 | 14 27 24 | 6°48'05 | 22°27 | 22°21 | 6°15 | 14°11 | 12°25 | 15°41 | 17°25 | 3° 2 | 5°12 | 24°34 | 23°22 | 13°12 | n.a. | T 16 |
| W17 | 14 31 20 | 7°45'08 | 4♌22 | 22° 8 | 7°27 | 14°38 | 12°34 | 15°36 | 17°22 | 3° 0 | 5°11 | 24°D33 | 23°19 | 13°18 | n.a. | W17 |
| T 18 | 14 35 17 | 8°42'10 | 16°13 | 21°51 | 8°39 | 15° 4 | 12°43 | 15°32 | 17°20 | 2°59 | 5°10 | 24°33 | 23°16 | 13°25 | n.a. | T 18 |
| F 19 | 14 39 13 | 9°39'12 | 28° 5 | 21°30 | 9°51 | 15°30 | 12°51 | 15°28 | 17°18 | 2°57 | 5° 8 | 24°34 | 23°13 | 13°32 | n.a. | F 19 |
| S 20 | 14 43 10 | 10°36'14 | 10♍ 2 | 21° 5 | 11° 3 | 15°56 | 13° 0 | 15°23 | 17°15 | 2°56 | 5° 7 | 24°36 | 23° 9 | 13°39 | n.a. | S 20 |
| S 21 | 14 47 6 | 11°33'16 | 22°10 | 20°37 | 12°15 | 16°21 | 13° 9 | 15°19 | 17°13 | 2°54 | 5° 6 | 24°R36 | 23° 6 | 13°45 | n.a. | S 21 |
| M22 | 14 51 3 | 12°30'18 | 4♎32 | 20° 6 | 13°27 | 16°46 | 13°18 | 15°15 | 17°10 | 2°53 | 5° 5 | 24°36 | 23° 3 | 13°52 | n.a. | M22 |
| T 23 | 14 55 0 | 13°27'21 | 17°12 | 19°32 | 14°38 | 17°10 | 13°27 | 15°10 | 17° 8 | 2°51 | 5° 4 | 24°34 | 23° 0 | 13°59 | n.a. | T 23 |
| W24 | 14 58 56 | 14°24'23 | 0♏11 | 18°56 | 15°50 | 17°34 | 13°37 | 15° 6 | 17° 6 | 2°50 | 5° 2 | 24°29 | 22°57 | 14° 5 | n.a. | W24 |
| T 25 | 15 2 53 | 15°21'26 | 13°31 | 18°19 | 17° 2 | 17°57 | 13°46 | 15° 1 | 17° 3 | 2°48 | 5° 1 | 24°23 | 22°54 | 14°12 | n.a. | T 25 |
| F 26 | 15 6 49 | 16°18'29 | 27° 8 | 17°41 | 18°14 | 18°20 | 13°55 | 14°57 | 17° 1 | 2°47 | 5° 0 | 24°15 | 22°50 | 14°19 | n.a. | F 26 |
| S 27 | 15 10 46 | 17°15'32 | 11♐ 2 | 17° 3 | 19°25 | 18°42 | 14° 5 | 14°53 | 16°58 | 2°45 | 4°59 | 24° 7 | 22°47 | 14°25 | n.a. | S 27 |
| S 28 | 15 14 42 | 18°12'36 | 25° 7 | 16°25 | 20°37 | 19° 4 | 14°15 | 14°48 | 16°56 | 2°44 | 4°58 | 23°59 | 22°44 | 14°32 | n.a. | S 28 |
| M29 | 15 18 39 | 19° 9'41 | 9♊19 | 15°49 | 21°49 | 19°26 | 14°24 | 14°44 | 16°54 | 2°42 | 4°57 | 23°52 | 22°41 | 14°39 | n.a. | M29 |
| T 30 | 15 22 36 | 20° 6'47 | 23°35 | 15°14 | 23° 0 | 19°46 | 14°34 | 14°39 | 16°51 | 2°41 | 4°56 | 23°47 | 22°38 | 14°45 | n.a. | T 30 |
| W31 | 15 26 32 | 21♉ 3'53 | 7♒49 | 14♉42 | 24♊12 | 20♊ 7 | 14♋44 | 14♏35 | 16♏49 | 2♐39 | 4♎55 | 23♓44 | 22♓34 | 14♌52 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 8n56 | 29s 8 | 5s13 | 18n52 | 1n46 | 18n40 | 1n 8 | 25s46 | 2s 1 | 24n39 | 1n 9 | 15s36 | 1n38 | 17s25 | 0n 7 | 20s17 | 0n59 | 10n38 | 14n 6 | 1s58 | 2s22 | 21n 1 | | | n.a. |
| T 2 | 9 18 | 28 16 | 4 59 | 18 59 | 1 38 | 19 3 | 1 10 | 25 47 | 2 4 | 24 38 | 1 9 | 15 35 | 1 38 | 17 25 | 0 7 | 20 17 | 0 59 | 10 39 | 14 6 | 1 58 | 2 23 | 20 59 | | | n.a. |
| W 3 | 9 39 | 25 35 | 4 27 | 19 5 | 1 30 | 19 25 | 1 12 | 25 48 | 2 7 | 24 37 | 1 9 | 15 34 | 1 38 | 17 24 | 0 7 | 20 17 | 0 59 | 10 39 | 14 6 | 1 58 | 2 24 | 20 56 | | | n.a. |
| T 4 | 10 1 | 21 19 | 3 38 | 19 8 | 1 20 | 19 47 | 1 15 | 25 49 | 2 10 | 24 37 | 1 9 | 15 33 | 1 38 | 17 24 | 0 7 | 20 17 | 0 59 | 10 40 | 14 6 | 1 58 | 2 26 | 20 53 | | | n.a. |
| F 5 | 10 22 | 15 48 | 2 36 | 19 9 | 1 10 | 20 8 | 1 17 | 25 50 | 2 13 | 24 36 | 1 9 | 15 32 | 1 38 | 17 23 | 0 7 | 20 17 | 0 59 | 10 40 | 14 6 | 1 58 | 2 27 | 20 51 | | | n.a. |
| S 6 | 10 43 | 9 25 | 1 24 | 19 9 | 0 59 | 20 28 | 1 19 | 25 51 | 2 16 | 24 35 | 1 9 | 15 30 | 1 38 | 17 22 | 0 7 | 20 16 | 0 59 | 10 40 | 14 5 | 1 57 | 2 28 | 20 48 | | | n.a. |
| S 7 | 11 4 | 2 35 | 0 7 | 19 6 | 0 47 | 20 48 | 1 21 | 25 52 | 2 19 | 24 34 | 1 8 | 15 29 | 1 38 | 17 22 | 0 7 | 20 16 | 0 59 | 10 41 | 14 5 | 1 57 | 2 29 | 20 46 | | | n.a. |
| M 8 | 11 24 | 4n19 | 1n10 | 19 2 | 0 35 | 21 8 | 1 23 | 25 52 | 2 22 | 24 34 | 1 8 | 15 28 | 1 38 | 17 21 | 0 7 | 20 16 | 0 59 | 10 41 | 14 5 | 1 57 | 2 31 | 20 43 | | | n.a. |
| T 9 | 11 45 | 10 57 | 2 21 | 18 55 | 0 22 | 21 27 | 1 24 | 25 53 | 2 26 | 24 33 | 1 8 | 15 27 | 1 38 | 17 21 | 0 7 | 20 16 | 0 59 | 10 41 | 14 5 | 1 58 | 2 32 | 20 41 | | | n.a. |
| W10 | 12 5 | 16 56 | 3 23 | 18 47 | 0 8 | 21 45 | 1 26 | 25 54 | 2 29 | 24 32 | 1 8 | 15 26 | 1 38 | 17 20 | 0 7 | 20 15 | 0 59 | 10 42 | 14 4 | 2 0 | 2 33 | 20 38 | | | n.a. |
| T 11 | 12 25 | 21 58 | 4 13 | 18 37 | 0s 6 | 22 3 | 1 28 | 25 54 | 2 32 | 24 31 | 1 8 | 15 25 | 1 38 | 17 19 | 0 7 | 20 15 | 0 59 | 10 42 | 14 4 | 2 2 | 2 35 | 20 35 | | | n.a. |
| F 12 | 12 45 | 25 47 | 4 47 | 18 26 | 0 20 | 22 20 | 1 30 | 25 55 | 2 35 | 24 30 | 1 8 | 15 23 | 1 38 | 17 19 | 0 7 | 20 15 | 0 59 | 10 42 | 14 4 | 2 4 | 2 36 | 20 33 | | | n.a. |
| S 13 | 13 5 | 28 11 | 5 6 | 18 13 | 0 35 | 22 36 | 1 32 | 25 55 | 2 39 | 24 30 | 1 8 | 15 22 | 1 38 | 17 18 | 0 7 | 20 14 | 0 59 | 10 43 | 14 3 | 2 7 | 2 37 | 20 30 | | | n.a. |
| S 14 | 13 25 | 29 4 | 5 9 | 17 58 | 0 51 | 22 52 | 1 33 | 25 56 | 2 42 | 24 29 | 1 8 | 15 21 | 1 38 | 17 17 | 0 7 | 20 14 | 0 59 | 10 43 | 14 3 | 2 9 | 2 38 | 20 28 | | | n.a. |
| M15 | 13 44 | 28 28 | 4 58 | 17 42 | 1 7 | 23 7 | 1 35 | 25 56 | 2 45 | 24 28 | 1 8 | 15 20 | 1 38 | 17 17 | 0 7 | 20 14 | 0 59 | 10 43 | 14 3 | 2 11 | 2 40 | 20 25 | | | n.a. |
| T 16 | 14 3 | 26 31 | 4 34 | 17 24 | 1 23 | 23 22 | 1 36 | 25 57 | 2 49 | 24 27 | 1 8 | 15 19 | 1 38 | 17 16 | 0 7 | 20 14 | 0 59 | 10 43 | 14 2 | 2 12 | 2 41 | 20 22 | | | n.a. |
| W17 | 14 22 | 23 24 | 3 58 | 17 5 | 1 39 | 23 36 | 1 38 | 25 57 | 2 52 | 24 26 | 1 7 | 15 17 | 1 38 | 17 15 | 0 7 | 20 13 | 0 59 | 10 44 | 14 2 | 2 12 | 2 42 | 20 20 | | | n.a. |
| T 18 | 14 41 | 19 21 | 3 13 | 16 45 | 1 55 | 23 49 | 1 39 | 25 58 | 2 56 | 24 25 | 1 7 | 15 16 | 1 38 | 17 15 | 0 7 | 20 13 | 0 59 | 10 44 | 14 2 | 2 12 | 2 44 | 20 17 | | | n.a. |
| F 19 | 15 0 | 14 32 | 2 19 | 16 24 | 2 10 | 24 2 | 1 40 | 25 58 | 2 59 | 24 24 | 1 7 | 15 15 | 1 38 | 17 14 | 0 7 | 20 13 | 0 59 | 10 44 | 14 1 | 2 12 | 2 45 | 20 14 | | | n.a. |
| S 20 | 15 18 | 9 10 | 1 18 | 16 3 | 2 26 | 24 14 | 1 42 | 25 58 | 3 3 | 24 23 | 1 7 | 15 14 | 1 37 | 17 13 | 0 7 | 20 13 | 0 59 | 10 44 | 14 1 | 2 11 | 2 46 | 20 12 | | | n.a. |
| S 21 | 15 36 | 3 22 | 0 13 | 15 41 | 2 41 | 24 25 | 1 43 | 25 59 | 3 6 | 24 22 | 1 7 | 15 12 | 1 37 | 17 13 | 0 7 | 20 12 | 0 59 | 10 44 | 14 1 | 2 11 | 2 47 | 20 9 | | | n.a. |
| M22 | 15 54 | 2s39 | 0s53 | 15 18 | 2 56 | 24 35 | 1 44 | 25 59 | 3 10 | 24 21 | 1 7 | 15 11 | 1 37 | 17 12 | 0 7 | 20 12 | 0 59 | 10 44 | 14 0 | 2 11 | 2 49 | 20 7 | | | n.a. |
| T 23 | 16 12 | 8 42 | 1 59 | 14 56 | 3 9 | 24 45 | 1 45 | 26 0 | 3 14 | 24 20 | 1 7 | 15 10 | 1 37 | 17 11 | 0 6 | 20 12 | 0 59 | 10 45 | 14 0 | 2 12 | 2 50 | 20 4 | | | n.a. |
| W24 | 16 29 | 14 33 | 2 59 | 14 34 | 3 22 | 24 54 | 1 46 | 26 0 | 3 17 | 24 19 | 1 7 | 15 9 | 1 37 | 17 11 | 0 6 | 20 11 | 0 59 | 10 45 | 14 0 | 2 14 | 2 51 | 20 1 | | | n.a. |
| T 25 | 16 46 | 19 53 | 3 52 | 14 12 | 3 34 | 25 3 | 1 47 | 26 0 | 3 21 | 24 18 | 1 7 | 15 7 | 1 37 | 17 10 | 0 6 | 20 11 | 0 59 | 10 45 | 13 59 | 2 17 | 2 53 | 19 59 | | | n.a. |
| F 26 | 17 3 | 24 20 | 4 32 | 13 51 | 3 45 | 25 10 | 1 48 | 26 1 | 3 25 | 24 17 | 1 7 | 15 6 | 1 37 | 17 9 | 0 6 | 20 11 | 0 59 | 10 45 | 13 59 | 2 20 | 2 54 | 19 56 | | | n.a. |
| S 27 | 17 20 | 27 28 | 4 58 | 13 31 | 3 54 | 25 17 | 1 48 | 26 1 | 3 28 | 24 16 | 1 7 | 15 5 | 1 37 | 17 8 | 0 6 | 20 10 | 0 59 | 10 45 | 13 58 | 2 23 | 2 55 | 19 53 | | | n.a. |
| S 28 | 17 36 | 28 55 | 5 6 | 13 13 | 4 2 | 25 24 | 1 49 | 26 2 | 3 32 | 24 15 | 1 7 | 15 4 | 1 37 | 17 8 | 0 6 | 20 10 | 0 59 | 10 45 | 13 58 | 2 26 | 2 56 | 19 51 | | | n.a. |
| M29 | 17 52 | 28 29 | 4 55 | 12 56 | 4 9 | 25 29 | 1 50 | 26 3 | 3 36 | 24 14 | 1 6 | 15 3 | 1 37 | 17 7 | 0 6 | 20 10 | 0 59 | 10 45 | 13 58 | 2 29 | 2 58 | 19 48 | | | n.a. |
| T 30 | 18 8 | 26 10 | 4 26 | 12 41 | 4 14 | 25 34 | 1 50 | 26 3 | 3 40 | 24 12 | 1 6 | 15 1 | 1 37 | 17 6 | 0 6 | 20 10 | 0 59 | 10 45 | 13 57 | 2 31 | 2 59 | 19 45 | | | n.a. |
| W31 | 18n23 | 22s13 | 3s40 | 12n28 | 4s18 | 25n38 | 1n51 | 26s 4 | 3s44 | 24n11 | 1n 6 | 15s 0 | 1n37 | 17s 6 | 0n 6 | 20s 9 | 0n59 | 10n45 | 13n57 | 2s32 | 3s 0 | 19n43 | | | n.a. |

Julian Day Number = 1006018.5, Delta T = 12h45m34s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'43, Lahiri = -30°57'43 Julian Calendar 1 May 1959 BCE == Greg. Calendar 14 Apr. 1959 BCE

The year -1958 astronomical counting style corresponds to year 1959 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## JUNE 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 30 29 | 22♉ 1'00 | 22♒ 1 | 14°R12 | 25♊23 | 20♑27 | 14♋54 | 14°R31 | 16°R46 | 2°R37 | 4°R54 | 23°D44 | 22♓31 | 14♌59 | n.a. | T 1 |
| F 2 | 15 34 25 | 22°58'08 | 6♓ 7 | 13♉47 | 26°35 | 20°46 | 15° 4 | 14♏26 | 16♏44 | 2♐36 | 4♎53 | 23♓44 | 22°28 | 15° 5 | n.a. | F 2 |
| S 3 | 15 38 22 | 23°55'17 | 20° 7 | 13°25 | 27°46 | 21° 4 | 15°14 | 14°22 | 16°42 | 2°34 | 4°52 | 23°R45 | 22°25 | 15°12 | n.a. | S 3 |
| S 4 | 15 42 18 | 24°52'27 | 4♈ 1 | 13° 8 | 28°57 | 21°22 | 15°25 | 14°18 | 16°39 | 2°33 | 4°51 | 23°44 | 22°22 | 15°19 | n.a. | S 4 |
| M 5 | 15 46 15 | 25°49'37 | 17°47 | 12°56 | 0♋ 9 | 21°40 | 15°35 | 14°13 | 16°37 | 2°31 | 4°50 | 23°42 | 22°19 | 15°25 | n.a. | M 5 |
| T 6 | 15 50 11 | 26°46'49 | 1♉23 | 12°49 | 1°20 | 21°57 | 15°46 | 14° 9 | 16°34 | 2°29 | 4°49 | 23°37 | 22°15 | 15°32 | n.a. | T 6 |
| W 7 | 15 54 8 | 27°44'02 | 14°49 | 12°D47 | 2°31 | 22°13 | 15°56 | 14° 5 | 16°32 | 2°28 | 4°48 | 23°30 | 22°12 | 15°39 | n.a. | W 7 |
| T 8 | 15 58 5 | 28°41'15 | 28° 2 | 12°51 | 3°42 | 22°28 | 16° 7 | 14° 1 | 16°30 | 2°26 | 4°48 | 23°20 | 22° 9 | 15°45 | n.a. | T 8 |
| F 9 | 16 2 1 | 29°38'30 | 11♊ 0 | 13° 0 | 4°53 | 22°43 | 16°17 | 13°57 | 16°27 | 2°24 | 4°47 | 23° 9 | 22° 6 | 15°52 | n.a. | F 9 |
| S 10 | 16 5 58 | 0♊35'45 | 23°43 | 13°16 | 6° 5 | 22°57 | 16°28 | 13°52 | 16°25 | 2°23 | 4°46 | 22°58 | 22° 3 | 15°59 | n.a. | S 10 |
| S 11 | 16 9 54 | 1°33'01 | 6♋10 | 13°37 | 7°16 | 23°11 | 16°39 | 13°48 | 16°23 | 2°21 | 4°45 | 22°47 | 22° 0 | 16° 5 | n.a. | S 11 |
| M12 | 16 13 51 | 2°30'18 | 18°24 | 14° 5 | 8°27 | 23°24 | 16°50 | 13°44 | 16°20 | 2°20 | 4°45 | 22°38 | 21°56 | 16°12 | n.a. | M12 |
| T 13 | 16 17 47 | 3°27'35 | 0♌26 | 14°38 | 9°37 | 23°36 | 17° 1 | 13°40 | 16°18 | 2°18 | 4°44 | 22°31 | 21°53 | 16°19 | n.a. | T 13 |
| W14 | 16 21 44 | 4°24'54 | 12°19 | 15°17 | 10°48 | 23°47 | 17°12 | 13°36 | 16°16 | 2°16 | 4°44 | 22°26 | 21°50 | 16°25 | n.a. | W14 |
| T 15 | 16 25 41 | 5°22'13 | 24° 8 | 16° 2 | 11°59 | 23°58 | 17°23 | 13°32 | 16°14 | 2°15 | 4°43 | 22°24 | 21°47 | 16°32 | n.a. | T 15 |
| F 16 | 16 29 37 | 6°19'33 | 5♍59 | 16°53 | 13°10 | 24° 8 | 17°34 | 13°28 | 16°11 | 2°13 | 4°42 | 22°D24 | 21°44 | 16°39 | n.a. | F 16 |
| S 17 | 16 33 34 | 7°16'53 | 17°55 | 17°49 | 14°21 | 24°17 | 17°46 | 13°25 | 16° 9 | 2°11 | 4°42 | 22°R24 | 21°40 | 16°45 | n.a. | S 17 |
| S 18 | 16 37 30 | 8°14'15 | 0♎ 4 | 18°51 | 15°31 | 24°25 | 17°57 | 13°21 | 16° 7 | 2°10 | 4°41 | 22°24 | 21°37 | 16°52 | n.a. | S 18 |
| M19 | 16 41 27 | 9°11'37 | 12°29 | 19°59 | 16°42 | 24°33 | 18° 8 | 13°17 | 16° 5 | 2° 8 | 4°41 | 22°22 | 21°34 | 16°59 | n.a. | M19 |
| T 20 | 16 45 23 | 10° 9'00 | 25°15 | 21°12 | 17°52 | 24°40 | 18°20 | 13°13 | 16° 3 | 2° 7 | 4°40 | 22°19 | 21°31 | 17° 5 | n.a. | T 20 |
| W21 | 16 49 20 | 11° 6'24 | 8♏25 | 22°30 | 19° 3 | 24°46 | 18°31 | 13°10 | 16° 1 | 2° 5 | 4°40 | 22°12 | 21°28 | 17°12 | n.a. | W21 |
| T 22 | 16 53 16 | 12° 3'50 | 21°59 | 23°54 | 20°13 | 24°51 | 18°43 | 13° 6 | 15°58 | 2° 3 | 4°40 | 22° 4 | 21°25 | 17°19 | n.a. | T 22 |
| F 23 | 16 57 13 | 13° 1'17 | 5♐58 | 25°22 | 21°23 | 24°55 | 18°55 | 13° 3 | 15°56 | 2° 2 | 4°39 | 21°53 | 21°21 | 17°25 | n.a. | F 23 |
| S 24 | 17 1 10 | 13°58'45 | 20°16 | 26°55 | 22°34 | 24°59 | 19° 6 | 12°59 | 15°54 | 2° 0 | 4°39 | 21°42 | 21°18 | 17°32 | n.a. | S 24 |
| S 25 | 17 5 6 | 14°56'14 | 4♑47 | 28°32 | 23°44 | 25° 2 | 19°18 | 12°56 | 15°52 | 1°59 | 4°39 | 21°31 | 21°15 | 17°39 | n.a. | S 25 |
| M26 | 17 9 3 | 15°53'45 | 19°25 | 0♊13 | 24°54 | 25° 4 | 19°30 | 12°52 | 15°50 | 1°57 | 4°39 | 21°21 | 21°12 | 17°45 | n.a. | M26 |
| T 27 | 17 12 59 | 16°51'17 | 4♒ 3 | 1°57 | 26° 4 | 25° 5 | 19°42 | 12°49 | 15°48 | 1°56 | 4°38 | 21°14 | 21° 9 | 17°52 | n.a. | T 27 |
| W28 | 17 16 56 | 17°48'51 | 18°34 | 3°45 | 27°14 | 25°R 5 | 19°54 | 12°46 | 15°46 | 1°54 | 4°38 | 21°10 | 21° 6 | 17°59 | n.a. | W28 |
| T 29 | 17 20 52 | 18°46'27 | 2♓54 | 5°36 | 28°24 | 25° 5 | 20° 6 | 12°43 | 15°45 | 1°52 | 4°38 | 21° 8 | 21° 2 | 18° 5 | n.a. | T 29 |
| F 30 | 17 24 49 | 19♊44'04 | 17♓ 0 | 7♊30 | 29♋34 | 25♑ 4 | 20♋18 | 12♏40 | 15♏43 | 1♐51 | 4♎38 | 21♓ 8 | 20♓59 | 18♌12 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n38 | 16s59 | 2s41 | 12n18 | 4s20 | 25n41 | 1n51 | 26s 5 | 3s48 | 24n10 | 1n 6 | 14s59 | 1n37 | 17s 5 | 0n 6 | 20s 9 | 0n59 | 10n45 | 13n56 | 2s32 | 3s 2 | 19n40 | | n.a. |
| F 2 | 18 53 | 10 53 | 1 33 | 12 10 | 4 20 | 25 44 | 1 51 | 26 6 | 3 52 | 24 9 | 1 6 | 14 58 | 1 36 | 17 4 | 0 6 | 20 9 | 0 59 | 10 45 | 13 56 | 2 32 | 3 3 | 19 37 | | n.a. |
| S 3 | 19 8 | 4 17 | 0 19 | 12 4 | 4 19 | 25 45 | 1 51 | 26 6 | 3 56 | 24 8 | 1 6 | 14 56 | 1 36 | 17 4 | 0 6 | 20 8 | 0 59 | 10 45 | 13 55 | 2 32 | 3 4 | 19 34 | | n.a. |
| S 4 | 19 22 | 2n28 | 0n55 | 12 1 | 4 17 | 25 47 | 1 51 | 26 7 | 3 59 | 24 6 | 1 6 | 14 55 | 1 36 | 17 3 | 0 6 | 20 8 | 0 59 | 10 45 | 13 55 | 2 32 | 3 5 | 19 32 | | n.a. |
| M 5 | 19 36 | 9 1 | 2 5 | 12 1 | 4 13 | 25 47 | 1 51 | 26 9 | 4 3 | 24 5 | 1 6 | 14 54 | 1 36 | 17 2 | 0 6 | 20 8 | 0 59 | 10 45 | 13 55 | 2 33 | 3 7 | 19 29 | | n.a. |
| T 6 | 19 50 | 15 6 | 3 6 | 12 4 | 4 8 | 25 46 | 1 51 | 26 10 | 4 8 | 24 4 | 1 6 | 14 53 | 1 36 | 17 2 | 0 6 | 20 7 | 0 59 | 10 45 | 13 54 | 2 35 | 3 8 | 19 26 | | n.a. |
| W 7 | 20 3 | 20 22 | 3 57 | 12 10 | 4 1 | 25 45 | 1 51 | 26 11 | 4 12 | 24 2 | 1 6 | 14 52 | 1 36 | 17 1 | 0 6 | 20 7 | 0 59 | 10 45 | 13 54 | 2 38 | 3 9 | 19 24 | | n.a. |
| T 8 | 20 16 | 24 33 | 4 34 | 12 18 | 3 54 | 25 43 | 1 51 | 26 12 | 4 16 | 24 1 | 1 6 | 14 51 | 1 36 | 17 0 | 0 6 | 20 7 | 0 59 | 10 45 | 13 53 | 2 42 | 3 10 | 19 21 | | n.a. |
| F 9 | 20 29 | 27 25 | 4 56 | 12 29 | 3 45 | 25 40 | 1 51 | 26 14 | 4 20 | 24 0 | 1 6 | 14 49 | 1 36 | 17 0 | 0 6 | 20 6 | 0 59 | 10 45 | 13 53 | 2 46 | 3 12 | 19 18 | | n.a. |
| S 10 | 20 41 | 28 48 | 5 2 | 12 43 | 3 36 | 25 37 | 1 50 | 26 15 | 4 24 | 23 58 | 1 6 | 14 48 | 1 36 | 16 59 | 0 6 | 20 6 | 0 58 | 10 45 | 13 52 | 2 51 | 3 13 | 19 15 | | n.a. |
| S 11 | 20 53 | 28 40 | 4 54 | 12 59 | 3 25 | 25 33 | 1 50 | 26 17 | 4 28 | 23 57 | 1 6 | 14 47 | 1 35 | 16 58 | 0 6 | 20 6 | 0 58 | 10 44 | 13 52 | 2 55 | 3 14 | 19 13 | | n.a. |
| M12 | 21 5 | 27 8 | 4 33 | 13 18 | 3 14 | 25 28 | 1 49 | 26 19 | 4 32 | 23 55 | 1 6 | 14 46 | 1 35 | 16 58 | 0 6 | 20 5 | 0 58 | 10 44 | 13 51 | 2 59 | 3 16 | 19 10 | | n.a. |
| T 13 | 21 16 | 24 21 | 3 59 | 13 39 | 3 2 | 25 22 | 1 48 | 26 21 | 4 36 | 23 54 | 1 6 | 14 45 | 1 35 | 16 57 | 0 6 | 20 5 | 0 58 | 10 44 | 13 51 | 3 2 | 3 17 | 19 7 | | n.a. |
| W14 | 21 27 | 20 34 | 3 16 | 14 2 | 2 50 | 25 16 | 1 48 | 26 23 | 4 40 | 23 52 | 1 5 | 14 44 | 1 35 | 16 56 | 0 6 | 20 5 | 0 58 | 10 44 | 13 50 | 3 4 | 3 18 | 19 4 | | n.a. |
| T 15 | 21 38 | 16 0 | 2 24 | 14 28 | 2 37 | 25 9 | 1 47 | 26 25 | 4 44 | 23 51 | 1 5 | 14 43 | 1 35 | 16 56 | 0 6 | 20 5 | 0 58 | 10 44 | 13 50 | 3 4 | 3 19 | 19 2 | | n.a. |
| F 16 | 21 48 | 10 50 | 1 26 | 14 55 | 2 24 | 25 1 | 1 46 | 26 27 | 4 49 | 23 49 | 1 5 | 14 42 | 1 35 | 16 55 | 0 6 | 20 4 | 0 58 | 10 43 | 13 49 | 3 5 | 3 21 | 18 59 | | n.a. |
| S 17 | 21 58 | 5 14 | 0 24 | 15 24 | 2 10 | 24 52 | 1 45 | 26 29 | 4 53 | 23 48 | 1 5 | 14 41 | 1 35 | 16 54 | 0 6 | 20 4 | 0 58 | 10 43 | 13 49 | 3 5 | 3 22 | 18 56 | | n.a. |
| S 18 | 22 7 | 0s39 | 0s41 | 15 55 | 1 56 | 24 43 | 1 44 | 26 32 | 4 57 | 23 46 | 1 5 | 14 40 | 1 34 | 16 54 | 0 6 | 20 4 | 0 58 | 10 43 | 13 48 | 3 5 | 3 23 | 18 53 | | n.a. |
| M19 | 22 16 | 6 37 | 1 44 | 16 27 | 1 42 | 24 33 | 1 42 | 26 35 | 5 1 | 23 45 | 1 5 | 14 39 | 1 34 | 16 53 | 0 6 | 20 3 | 0 58 | 10 43 | 13 48 | 3 5 | 3 25 | 18 51 | | n.a. |
| T 20 | 22 25 | 12 30 | 2 45 | 17 0 | 1 28 | 24 22 | 1 41 | 26 37 | 5 5 | 23 43 | 1 5 | 14 38 | 1 34 | 16 52 | 0 6 | 20 3 | 0 58 | 10 42 | 13 47 | 3 7 | 3 26 | 18 48 | | n.a. |
| W21 | 22 34 | 18 1 | 3 38 | 17 34 | 1 14 | 24 11 | 1 40 | 26 40 | 5 9 | 23 41 | 1 5 | 14 37 | 1 34 | 16 52 | 0 6 | 20 3 | 0 58 | 10 42 | 13 47 | 3 9 | 3 27 | 18 45 | | n.a. |
| T 22 | 22 42 | 22 49 | 4 21 | 18 9 | 1 0 | 23 59 | 1 38 | 26 43 | 5 13 | 23 40 | 1 5 | 14 36 | 1 34 | 16 51 | 0 6 | 20 2 | 0 58 | 10 42 | 13 46 | 3 13 | 3 28 | 18 42 | | n.a. |
| F 23 | 22 49 | 26 29 | 4 49 | 18 44 | 0 46 | 23 46 | 1 37 | 26 46 | 5 17 | 23 38 | 1 5 | 14 35 | 1 34 | 16 51 | 0 6 | 20 2 | 0 58 | 10 41 | 13 46 | 3 17 | 3 30 | 18 39 | | n.a. |
| S 24 | 22 56 | 28 33 | 5 0 | 19 20 | 0 33 | 23 33 | 1 35 | 26 50 | 5 22 | 23 36 | 1 5 | 14 34 | 1 33 | 16 50 | 0 6 | 20 2 | 0 58 | 10 41 | 13 45 | 3 21 | 3 31 | 18 37 | | n.a. |
| S 25 | 23 3 | 28 42 | 4 53 | 19 55 | 0 20 | 23 19 | 1 33 | 26 53 | 5 26 | 23 34 | 1 5 | 14 33 | 1 33 | 16 49 | 0 6 | 20 1 | 0 58 | 10 41 | 13 45 | 3 26 | 3 32 | 18 34 | | n.a. |
| M26 | 23 9 | 26 52 | 4 26 | 20 29 | 0 7 | 23 4 | 1 31 | 26 57 | 5 30 | 23 33 | 1 5 | 14 32 | 1 33 | 16 49 | 0 6 | 20 1 | 0 58 | 10 40 | 13 44 | 3 30 | 3 33 | 18 31 | | n.a. |
| T 27 | 23 15 | 23 13 | 3 41 | 21 4 | 0n 5 | 22 49 | 1 29 | 27 0 | 5 33 | 23 31 | 1 5 | 14 31 | 1 33 | 16 48 | 0 6 | 20 1 | 0 58 | 10 40 | 13 44 | 3 32 | 3 35 | 18 28 | | n.a. |
| W28 | 23 21 | 18 9 | 2 43 | 21 37 | 0 17 | 22 33 | 1 27 | 27 4 | 5 37 | 23 29 | 1 5 | 14 31 | 1 33 | 16 48 | 0 6 | 20 1 | 0 58 | 10 40 | 13 43 | 3 34 | 3 36 | 18 25 | | n.a. |
| T 29 | 23 26 | 12 7 | 1 35 | 22 8 | 0 28 | 22 17 | 1 25 | 27 8 | 5 41 | 23 27 | 1 5 | 14 30 | 1 33 | 16 47 | 0 6 | 20 0 | 0 58 | 10 39 | 13 43 | 3 35 | 3 37 | 18 23 | | n.a. |
| F 30 | 23n31 | 5s34 | 0s22 | 22n38 | 0n39 | 22n 0 | 1n23 | 27s12 | 5s45 | 23n25 | 1n 5 | 14s29 | 1n32 | 16s47 | 0n 6 | 20s 0 | 0n58 | 10n39 | 13n42 | 3s35 | 3s39 | 18n20 | | n.a. |

Julian Day Number = 1006049.5, Delta T = 12h45m32s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'39, Lahiri = -30°57'39 Julian Calendar 1 June 1959 BCE == Greg. Calendar 15 May 1959 BCE


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## JULY 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 28 46 | 20♊41'43 | 0♈53 | 9♊25 | 0♌43 | 25°R 1 | 20♋30 | 12°R37 | 15°R41 | 1°R49 | 4°R38 | 21°R 8 | 20♓56 | 18♌19 | n.a. | S 1 |
| S 2 | 17 32 42 | 21°39'24 | 14°33 | 11°23 | 1°53 | 24♏58 | 20°42 | 12♏34 | 15♏39 | 1♐48 | 4♎38 | 21♓ 7 | 20°53 | 18°25 | n.a. | S 2 |
| M 3 | 17 36 39 | 22°37'07 | 28° 0 | 13°22 | 3° 3 | 24°54 | 20°54 | 12°31 | 15°37 | 1°46 | 4°D38 | 21° 3 | 20°50 | 18°32 | n.a. | M 3 |
| T 4 | 17 40 35 | 23°34'51 | 11♉15 | 15°22 | 4°12 | 24°50 | 21° 6 | 12°28 | 15°36 | 1°45 | 4°38 | 20°58 | 20°46 | 18°39 | n.a. | T 4 |
| W 5 | 17 44 32 | 24°32'38 | 24°19 | 17°22 | 5°21 | 24°44 | 21°19 | 12°25 | 15°34 | 1°43 | 4°38 | 20°49 | 20°43 | 18°45 | n.a. | W 5 |
| T 6 | 17 48 28 | 25°30'26 | 7♊11 | 19°23 | 6°31 | 24°38 | 21°31 | 12°23 | 15°32 | 1°42 | 4°38 | 20°38 | 20°40 | 18°52 | n.a. | T 6 |
| F 7 | 17 52 25 | 26°28'16 | 19°51 | 21°24 | 7°40 | 24°31 | 21°43 | 12°20 | 15°30 | 1°41 | 4°38 | 20°25 | 20°37 | 18°59 | n.a. | F 7 |
| S 8 | 17 56 21 | 27°26'08 | 2♋19 | 23°25 | 8°49 | 24°23 | 21°56 | 12°18 | 15°29 | 1°39 | 4°38 | 20°11 | 20°34 | 19° 5 | n.a. | S 8 |
| S 9 | 18 0 18 | 28°24'01 | 14°36 | 25°26 | 9°58 | 24°14 | 22° 8 | 12°15 | 15°27 | 1°38 | 4°39 | 19°59 | 20°31 | 19°12 | n.a. | S 9 |
| M10 | 18 4 15 | 29°21'56 | 26°42 | 27°26 | 11° 7 | 24° 4 | 22°21 | 12°13 | 15°26 | 1°36 | 4°39 | 19°47 | 20°27 | 19°19 | n.a. | M10 |
| T 11 | 18 8 11 | 0♋19'53 | 8♌39 | 29°26 | 12°16 | 23°54 | 22°33 | 12°11 | 15°24 | 1°35 | 4°39 | 19°39 | 20°24 | 19°26 | n.a. | T 11 |
| W12 | 18 12 8 | 1°17'51 | 20°29 | 1♋24 | 13°25 | 23°43 | 22°46 | 12° 9 | 15°23 | 1°34 | 4°39 | 19°33 | 20°21 | 19°32 | n.a. | W12 |
| T 13 | 18 16 4 | 2°15'50 | 2♍16 | 3°22 | 14°34 | 23°32 | 22°58 | 12° 7 | 15°21 | 1°32 | 4°40 | 19°30 | 20°18 | 19°39 | n.a. | T 13 |
| F 14 | 18 20 1 | 3°13'51 | 14° 5 | 5°19 | 15°42 | 23°19 | 23°11 | 12° 5 | 15°20 | 1°31 | 4°40 | 19°29 | 20°15 | 19°46 | n.a. | F 14 |
| S 15 | 18 23 57 | 4°11'54 | 25°59 | 7°15 | 16°51 | 23° 7 | 23°24 | 12° 3 | 15°19 | 1°30 | 4°40 | 19°D29 | 20°12 | 19°52 | n.a. | S 15 |
| S 16 | 18 27 54 | 5° 9'59 | 8♎ 6 | 9° 9 | 17°59 | 22°53 | 23°36 | 12° 1 | 15°17 | 1°28 | 4°41 | 19°R29 | 20° 8 | 19°59 | n.a. | S 16 |
| M17 | 18 31 50 | 6° 8'04 | 20°29 | 11° 2 | 19° 7 | 22°39 | 23°49 | 11°59 | 15°16 | 1°27 | 4°41 | 19°28 | 20° 5 | 20° 6 | n.a. | M17 |
| T 18 | 18 35 47 | 7° 6'12 | 3♏15 | 12°54 | 20°16 | 22°25 | 24° 2 | 11°58 | 15°15 | 1°26 | 4°42 | 19°25 | 20° 2 | 20°12 | n.a. | T 18 |
| W19 | 18 39 44 | 8° 4'21 | 16°26 | 14°45 | 21°24 | 22°10 | 24°14 | 11°56 | 15°14 | 1°25 | 4°42 | 19°20 | 19°59 | 20°19 | n.a. | W19 |
| T 20 | 18 43 40 | 9° 2'32 | 0♐ 6 | 16°35 | 22°31 | 21°54 | 24°27 | 11°55 | 15°13 | 1°23 | 4°43 | 19°13 | 19°56 | 20°25 | n.a. | T 20 |
| F 21 | 18 47 37 | 10° 0'45 | 14°14 | 18°24 | 23°39 | 21°38 | 24°40 | 11°53 | 15°12 | 1°22 | 4°44 | 19° 3 | 19°52 | 20°32 | n.a. | F 21 |
| S 22 | 18 51 33 | 10°59'00 | 28°46 | 20°11 | 24°47 | 21°22 | 24°53 | 11°52 | 15°11 | 1°21 | 4°44 | 18°53 | 19°49 | 20°39 | n.a. | S 22 |
| S 23 | 18 55 30 | 11°57'16 | 13♑37 | 21°57 | 25°54 | 21° 6 | 25° 6 | 11°51 | 15°10 | 1°20 | 4°45 | 18°43 | 19°46 | 20°46 | n.a. | S 23 |
| M24 | 18 59 26 | 12°55'35 | 28°37 | 23°42 | 27° 2 | 20°49 | 25°19 | 11°50 | 15° 9 | 1°19 | 4°46 | 18°35 | 19°43 | 20°52 | n.a. | M24 |
| T 25 | 19 3 23 | 13°53'55 | 13♒37 | 25°26 | 28° 9 | 20°32 | 25°32 | 11°49 | 15° 8 | 1°18 | 4°46 | 18°28 | 19°40 | 20°59 | n.a. | T 25 |
| W26 | 19 7 19 | 14°52'18 | 28°29 | 27° 8 | 29°16 | 20°15 | 25°45 | 11°48 | 15° 7 | 1°17 | 4°47 | 18°24 | 19°37 | 21° 6 | n.a. | W26 |
| T 27 | 19 11 16 | 15°50'43 | 13♓ 6 | 28°50 | 0♍23 | 19°57 | 25°57 | 11°47 | 15° 6 | 1°16 | 4°48 | 18°D23 | 19°33 | 21°12 | n.a. | T 27 |
| F 28 | 19 15 12 | 16°49'10 | 27°24 | 0♌30 | 1°30 | 19°40 | 26°10 | 11°47 | 15° 6 | 1°15 | 4°49 | 18°23 | 19°30 | 21°19 | n.a. | F 28 |
| S 29 | 19 19 9 | 17°47'40 | 11♈21 | 2° 9 | 2°36 | 19°23 | 26°23 | 11°46 | 15° 5 | 1°14 | 4°50 | 18°R24 | 19°27 | 21°25 | n.a. | S 29 |
| S 30 | 19 23 6 | 18°46'12 | 24°58 | 3°47 | 3°43 | 19° 5 | 26°36 | 11°46 | 15° 4 | 1°13 | 4°51 | 18°24 | 19°24 | 21°32 | n.a. | S 30 |
| M31 | 19 27 2 | 19♋44'46 | 8♉17 | 5♌24 | 4♍49 | 18♏48 | 26♋49 | 11♏45 | 15♏ 4 | 1♐12 | 4♎52 | 18♓22 | 19♓21 | 21♌39 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23n35 | 1n 9 | 0n51 | 23n 7 | 0n49 | 21n42 | 1n20 | 27s16 | 5s49 | 23n24 | 1n 5 | 14s28 | 1n32 | 16s46 | 0n 6 | 20s 0 | 0n58 | 10n38 | 13n42 | 3s35 | 3s40 | 18n17 | | n.a. |
| S 2 | 23 39 | 7 41 | 2 0 | 23 33 | 0 58 | 21 24 | 1 18 | 27 20 | 5 52 | 23 22 | 1 5 | 14 28 | 1 32 | 16 46 | 0 6 | 19 59 | 0 58 | 10 38 | 13 41 | 3 36 | 3 41 | 18 14 | | n.a. |
| M 3 | 23 43 | 13 47 | 3 1 | 23 58 | 1 6 | 21 5 | 1 15 | 27 24 | 5 56 | 23 20 | 1 5 | 14 27 | 1 32 | 16 45 | 0 6 | 19 59 | 0 58 | 10 37 | 13 41 | 3 37 | 3 42 | 18 11 | | n.a. |
| T 4 | 23 46 | 19 10 | 3 52 | 24 19 | 1 14 | 20 46 | 1 13 | 27 29 | 5 59 | 23 18 | 1 5 | 14 26 | 1 32 | 16 45 | 0 6 | 19 59 | 0 58 | 10 37 | 13 40 | 3 39 | 3 44 | 18 8 | | n.a. |
| W 5 | 23 48 | 23 34 | 4 29 | 24 39 | 1 21 | 20 26 | 1 10 | 27 33 | 6 3 | 23 16 | 1 5 | 14 25 | 1 32 | 16 44 | 0 6 | 19 59 | 0 58 | 10 36 | 13 40 | 3 43 | 3 45 | 18 6 | | n.a. |
| T 6 | 23 51 | 26 44 | 4 52 | 24 56 | 1 27 | 20 6 | 1 7 | 27 38 | 6 6 | 23 14 | 1 5 | 14 25 | 1 31 | 16 44 | 0 6 | 19 58 | 0 58 | 10 36 | 13 39 | 3 47 | 3 46 | 18 3 | | n.a. |
| F 7 | 23 52 | 28 30 | 5 0 | 25 10 | 1 32 | 19 45 | 1 4 | 27 42 | 6 9 | 23 12 | 1 5 | 14 24 | 1 31 | 16 43 | 0 6 | 19 58 | 0 58 | 10 35 | 13 38 | 3 52 | 3 47 | 18 0 | | n.a. |
| S 8 | 23 54 | 28 47 | 4 53 | 25 22 | 1 36 | 19 24 | 1 1 | 27 47 | 6 13 | 23 10 | 1 5 | 14 24 | 1 31 | 16 43 | 0 6 | 19 58 | 0 58 | 10 35 | 13 38 | 3 58 | 3 49 | 17 57 | | n.a. |
| S 9 | 23 55 | 27 38 | 4 33 | 25 31 | 1 40 | 19 2 | 0 58 | 27 51 | 6 16 | 23 8 | 1 5 | 14 23 | 1 31 | 16 42 | 0 6 | 19 58 | 0 58 | 10 34 | 13 37 | 4 3 | 3 50 | 17 54 | | n.a. |
| M10 | 23 55 | 25 10 | 4 1 | 25 37 | 1 43 | 18 40 | 0 55 | 27 56 | 6 19 | 23 6 | 1 5 | 14 23 | 1 31 | 16 42 | 0 6 | 19 57 | 0 58 | 10 34 | 13 37 | 4 7 | 3 51 | 17 51 | | n.a. |
| T 11 | 23 55 | 21 39 | 3 18 | 25 41 | 1 45 | 18 17 | 0 52 | 28 1 | 6 21 | 23 3 | 1 5 | 14 22 | 1 30 | 16 41 | 0 6 | 19 57 | 0 58 | 10 33 | 13 36 | 4 11 | 3 53 | 17 48 | | n.a. |
| W12 | 23 55 | 17 16 | 2 27 | 25 42 | 1 47 | 17 54 | 0 48 | 28 5 | 6 24 | 23 1 | 1 5 | 14 22 | 1 30 | 16 41 | 0 6 | 19 57 | 0 58 | 10 32 | 13 36 | 4 13 | 3 54 | 17 45 | | n.a. |
| T 13 | 23 54 | 12 16 | 1 30 | 25 41 | 1 48 | 17 30 | 0 45 | 28 10 | 6 26 | 22 59 | 1 5 | 14 21 | 1 30 | 16 41 | 0 6 | 19 57 | 0 58 | 10 32 | 13 35 | 4 14 | 3 55 | 17 43 | | n.a. |
| F 14 | 23 53 | 6 50 | 0 29 | 25 37 | 1 48 | 17 6 | 0 41 | 28 14 | 6 29 | 22 57 | 1 5 | 14 21 | 1 30 | 16 40 | 0 6 | 19 56 | 0 58 | 10 31 | 13 35 | 4 15 | 3 56 | 17 40 | | n.a. |
| S 15 | 23 51 | 1 6 | 0s35 | 25 31 | 1 48 | 16 42 | 0 38 | 28 19 | 6 31 | 22 55 | 1 5 | 14 20 | 1 30 | 16 40 | 0 6 | 19 56 | 0 58 | 10 30 | 13 34 | 4 15 | 3 58 | 17 37 | | n.a. |
| S 16 | 23 49 | 4s45 | 1 37 | 25 23 | 1 47 | 16 17 | 0 34 | 28 23 | 6 33 | 22 53 | 1 5 | 14 20 | 1 29 | 16 39 | 0 6 | 19 56 | 0 58 | 10 30 | 13 34 | 4 15 | 3 59 | 17 34 | | n.a. |
| M17 | 23 47 | 10 34 | 2 37 | 25 13 | 1 46 | 15 52 | 0 30 | 28 28 | 6 35 | 22 50 | 1 5 | 14 20 | 1 29 | 16 39 | 0 6 | 19 56 | 0 58 | 10 29 | 13 33 | 4 15 | 4 0 | 17 31 | | n.a. |
| T 18 | 23 44 | 16 8 | 3 30 | 25 0 | 1 44 | 15 26 | 0 26 | 28 32 | 6 37 | 22 48 | 1 5 | 14 19 | 1 29 | 16 39 | 0 6 | 19 55 | 0 58 | 10 28 | 13 33 | 4 16 | 4 1 | 17 28 | | n.a. |
| W19 | 23 40 | 21 8 | 4 15 | 24 46 | 1 42 | 15 1 | 0 22 | 28 36 | 6 38 | 22 46 | 1 5 | 14 19 | 1 29 | 16 38 | 0 6 | 19 55 | 0 58 | 10 28 | 13 32 | 4 18 | 4 3 | 17 25 | | n.a. |
| T 20 | 23 36 | 25 14 | 4 46 | 24 30 | 1 39 | 14 34 | 0 18 | 28 40 | 6 40 | 22 44 | 1 5 | 14 19 | 1 29 | 16 38 | 0 6 | 19 55 | 0 58 | 10 27 | 13 32 | 4 21 | 4 4 | 17 22 | | n.a. |
| F 21 | 23 32 | 27 57 | 5 2 | 24 13 | 1 36 | 14 8 | 0 14 | 28 44 | 6 41 | 22 41 | 1 5 | 14 19 | 1 28 | 16 38 | 0 6 | 19 55 | 0 58 | 10 26 | 13 31 | 4 25 | 4 5 | 17 19 | | n.a. |
| S 22 | 23 27 | 28 53 | 4 58 | 23 53 | 1 32 | 13 41 | 0 10 | 28 47 | 6 42 | 22 39 | 1 5 | 14 18 | 1 28 | 16 37 | 0 6 | 19 54 | 0 58 | 10 25 | 13 30 | 4 29 | 4 7 | 17 17 | | n.a. |
| S 23 | 23 22 | 27 46 | 4 35 | 23 33 | 1 28 | 13 14 | 0 6 | 28 51 | 6 42 | 22 36 | 1 5 | 14 18 | 1 28 | 16 37 | 0 6 | 19 54 | 0 57 | 10 25 | 13 30 | 4 33 | 4 8 | 17 14 | | n.a. |
| M24 | 23 17 | 24 38 | 3 53 | 23 10 | 1 24 | 12 46 | 0 2 | 28 54 | 6 43 | 22 34 | 1 5 | 14 18 | 1 28 | 16 37 | 0 6 | 19 54 | 0 57 | 10 24 | 13 29 | 4 36 | 4 9 | 17 11 | | n.a. |
| T 25 | 23 11 | 19 50 | 2 54 | 22 47 | 1 19 | 12 19 | 0s 3 | 28 57 | 6 44 | 22 32 | 1 5 | 14 18 | 1 28 | 16 37 | 0 6 | 19 54 | 0 57 | 10 23 | 13 29 | 4 39 | 4 10 | 17 8 | | n.a. |
| W26 | 23 4 | 13 51 | 1 44 | 22 22 | 1 14 | 11 51 | 0 7 | 29 0 | 6 44 | 22 29 | 1 5 | 14 18 | 1 27 | 16 36 | 0 6 | 19 54 | 0 57 | 10 22 | 13 28 | 4 40 | 4 12 | 17 5 | | n.a. |
| T 27 | 22 58 | 7 12 | 0 28 | 21 56 | 1 9 | 11 23 | 0 12 | 29 3 | 6 44 | 22 27 | 1 5 | 14 18 | 1 27 | 16 36 | 0 6 | 19 54 | 0 57 | 10 22 | 13 28 | 4 41 | 4 13 | 17 2 | | n.a. |
| F 28 | 22 50 | 0 19 | 0n48 | 21 29 | 1 3 | 10 54 | 0 16 | 29 6 | 6 44 | 22 24 | 1 5 | 14 18 | 1 27 | 16 36 | 0 6 | 19 53 | 0 57 | 10 21 | 13 27 | 4 41 | 4 14 | 16 59 | | n.a. |
| S 29 | 22 43 | 6n24 | 2 0 | 21 1 | 0 58 | 10 26 | 0 21 | 29 8 | 6 43 | 22 22 | 1 5 | 14 18 | 1 27 | 16 36 | 0 6 | 19 53 | 0 57 | 10 20 | 13 27 | 4 41 | 4 15 | 16 56 | | n.a. |
| S 30 | 22 35 | 12 41 | 3 3 | 20 32 | 0 52 | 9 57 | 0 26 | 29 10 | 6 43 | 22 19 | 1 5 | 14 18 | 1 27 | 16 36 | 0 6 | 19 53 | 0 57 | 10 19 | 13 26 | 4 41 | 4 17 | 16 53 | | n.a. |
| M31 | 22n26 | 18n14 | 3n54 | 20n 2 | 0n45 | 9n28 | 0s31 | 29s12 | 6s42 | 22n17 | 1n 5 | 14s18 | 1n26 | 16s35 | 0n 6 | 19s53 | 0n57 | 10n18 | 13n26 | 4s41 | 4s18 | 16n50 | | n.a. |

Julian Day Number = 1006079.5, Delta T = 12h45m30s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'35, Lahiri = -30°57'35 Julian Calendar 1 July 1959 BCE == Greg. Calendar 14 June 1959 BCE

The year -1958 astronomical counting style corresponds to year 1959 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## AUGUST 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 30 59 | 20♋43'23 | 21♉18 | 7♌ 0 | 5♍55 | 18°R30 | 27♋ 2 | 11°R45 | 15°R 3 | 1°R11 | 4♎52 | 18°R18 | 19♓18 | 21♌45 | n.a. | T 1 |
| W 2 | 19 34 55 | 21°42'02 | 4♊ 6 | 8°35 | 7° 1 | 18♉13 | 27°15 | 11♏45 | 15♏ 3 | 1♐10 | 4°53 | 18♓12 | 19°14 | 21°52 | n.a. | W 2 |
| T 3 | 19 38 52 | 22°40'44 | 16°40 | 10° 8 | 8° 7 | 17°56 | 27°29 | 11°D45 | 15° 2 | 1° 9 | 4°55 | 18° 3 | 19°11 | 21°59 | n.a. | T 3 |
| F 4 | 19 42 48 | 23°39'27 | 29° 4 | 11°41 | 9°13 | 17°40 | 27°42 | 11°45 | 15° 2 | 1° 8 | 4°56 | 17°53 | 19° 8 | 22° 5 | n.a. | F 4 |
| S 5 | 19 46 45 | 24°38'14 | 11♋18 | 13°13 | 10°18 | 17°23 | 27°55 | 11°45 | 15° 1 | 1° 7 | 4°57 | 17°43 | 19° 5 | 22°12 | n.a. | S 5 |
| S 6 | 19 50 41 | 25°37'02 | 23°23 | 14°43 | 11°24 | 17° 7 | 28° 8 | 11°45 | 15° 1 | 1° 6 | 4°58 | 17°33 | 19° 2 | 22°19 | n.a. | S 6 |
| M 7 | 19 54 38 | 26°35'52 | 5♌20 | 16°13 | 12°29 | 16°51 | 28°21 | 11°45 | 15° 1 | 1° 6 | 4°59 | 17°25 | 18°58 | 22°25 | n.a. | M 7 |
| T 8 | 19 58 35 | 27°34'45 | 17°12 | 17°41 | 13°34 | 16°36 | 28°34 | 11°46 | 15° 1 | 1° 5 | 5° 0 | 17°18 | 18°55 | 22°32 | n.a. | T 8 |
| W 9 | 20 2 31 | 28°33'40 | 29° 0 | 19° 8 | 14°38 | 16°21 | 28°47 | 11°46 | 15° 0 | 1° 4 | 5° 1 | 17°14 | 18°52 | 22°39 | n.a. | W 9 |
| T 10 | 20 6 28 | 29°32'36 | 10♍46 | 20°35 | 15°43 | 16° 7 | 29° 0 | 11°47 | 15° 0 | 1° 4 | 5° 3 | 17°12 | 18°49 | 22°45 | n.a. | T 10 |
| F 11 | 20 10 24 | 0♌31'35 | 22°34 | 22° 0 | 16°47 | 15°53 | 29°13 | 11°48 | 15° 0 | 1° 3 | 5° 4 | 17°D12 | 18°46 | 22°52 | n.a. | F 11 |
| S 12 | 20 14 21 | 1°30'35 | 4♎29 | 23°24 | 17°51 | 15°40 | 29°26 | 11°48 | 15°D 0 | 1° 2 | 5° 5 | 17°13 | 18°43 | 22°59 | n.a. | S 12 |
| S 13 | 20 18 17 | 2°29'38 | 16°34 | 24°47 | 18°55 | 15°27 | 29°39 | 11°49 | 15° 0 | 1° 2 | 5° 7 | 17°15 | 18°39 | 23° 5 | n.a. | S 13 |
| M14 | 20 22 14 | 3°28'43 | 28°55 | 26° 9 | 19°58 | 15°15 | 29°52 | 11°50 | 15° 0 | 1° 1 | 5° 8 | 17°R16 | 18°36 | 23°12 | n.a. | M14 |
| T 15 | 20 26 10 | 4°27'49 | 11♏37 | 27°29 | 21° 2 | 15° 4 | 0♌ 5 | 11°51 | 15° 1 | 1° 1 | 5° 9 | 17°16 | 18°33 | 23°19 | n.a. | T 15 |
| W16 | 20 30 7 | 5°26'58 | 24°43 | 28°48 | 22° 5 | 14°54 | 0°18 | 11°53 | 15° 1 | 1° 0 | 5°11 | 17°14 | 18°30 | 23°25 | n.a. | W16 |
| T 17 | 20 34 3 | 6°26'08 | 8♐18 | 0♍ 6 | 23° 8 | 14°44 | 0°32 | 11°54 | 15° 1 | 1° 0 | 5°12 | 17°10 | 18°27 | 23°32 | n.a. | T 17 |
| F 18 | 20 38 0 | 7°25'21 | 22°22 | 1°23 | 24°10 | 14°35 | 0°45 | 11°55 | 15° 1 | 0°59 | 5°14 | 17° 5 | 18°24 | 23°39 | n.a. | F 18 |
| S 19 | 20 41 57 | 8°24'35 | 6♑53 | 2°38 | 25°12 | 14°26 | 0°58 | 11°57 | 15° 2 | 0°59 | 5°15 | 17° 0 | 18°20 | 23°45 | n.a. | S 19 |
| S 20 | 20 45 53 | 9°23'52 | 21°48 | 3°51 | 26°14 | 14°18 | 1°11 | 11°58 | 15° 2 | 0°59 | 5°17 | 16°54 | 18°17 | 23°52 | n.a. | S 20 |
| M21 | 20 49 50 | 10°23'10 | 6♒57 | 5° 3 | 27°16 | 14°12 | 1°24 | 12° 0 | 15° 3 | 0°58 | 5°18 | 16°49 | 18°14 | 23°59 | n.a. | M21 |
| T 22 | 20 53 46 | 11°22'31 | 22°12 | 6°13 | 28°17 | 14° 5 | 1°37 | 12° 2 | 15° 3 | 0°58 | 5°20 | 16°45 | 18°11 | 24° 5 | n.a. | T 22 |
| W23 | 20 57 43 | 12°21'54 | 7♓21 | 7°21 | 29°18 | 14° 0 | 1°50 | 12° 4 | 15° 4 | 0°58 | 5°22 | 16°43 | 18° 8 | 24°12 | n.a. | W23 |
| T 24 | 21 1 39 | 13°21'19 | 22°16 | 8°27 | 0♎19 | 13°55 | 2° 3 | 12° 6 | 15° 4 | 0°58 | 5°23 | 16°D43 | 18° 4 | 24°19 | n.a. | T 24 |
| F 25 | 21 5 36 | 14°20'47 | 6♈51 | 9°31 | 1°19 | 13°52 | 2°16 | 12° 8 | 15° 5 | 0°57 | 5°25 | 16°44 | 18° 1 | 24°25 | n.a. | F 25 |
| S 26 | 21 9 32 | 15°20'17 | 21° 1 | 10°32 | 2°19 | 13°49 | 2°28 | 12°10 | 15° 6 | 0°57 | 5°27 | 16°46 | 17°58 | 24°32 | n.a. | S 26 |
| S 27 | 21 13 29 | 16°19'50 | 4♉46 | 11°31 | 3°18 | 13°46 | 2°41 | 12°12 | 15° 6 | 0°57 | 5°28 | 16°47 | 17°55 | 24°39 | n.a. | S 27 |
| M28 | 21 17 25 | 17°19'25 | 18° 6 | 12°27 | 4°18 | 13°45 | 2°54 | 12°14 | 15° 7 | 0°57 | 5°30 | 16°R47 | 17°52 | 24°45 | n.a. | M28 |
| T 29 | 21 21 22 | 18°19'03 | 1♊ 5 | 13°20 | 5°16 | 13°D44 | 3° 7 | 12°17 | 15° 8 | 0°57 | 5°32 | 16°47 | 17°49 | 24°52 | n.a. | T 29 |
| W30 | 21 25 19 | 19°18'43 | 13°45 | 14°10 | 6°15 | 13°44 | 3°20 | 12°19 | 15° 9 | 0°D57 | 5°34 | 16°45 | 17°45 | 24°59 | n.a. | W30 |
| T 31 | 21 29 15 | 20♌18'26 | 26♊ 9 | 14♍56 | 7♎13 | 13♉45 | 3♌33 | 12♏22 | 15♏10 | 0♐57 | 5♎35 | 16♓41 | 17♓42 | 25♌ 5 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 22n17 | 22n49 | 4n32 | 19n31 | 0n39 | 8n58 | 0s36 | 29s14 | 6s41 | 22n14 | 1n 5 | 14s18 | 1n26 | 16s35 | 0n 6 | 19s53 | 0n57 | 10n17 | 13n25 | 4s43 | 4s19 | 16n47 | | | n.a. |
| W 2 | 22 8 | 26 14 | 4 56 | 19 0 | 0 32 | 8 29 | 0 40 | 29 15 | 6 40 | 22 12 | 1 5 | 14 18 | 1 26 | 16 35 | 0 6 | 19 53 | 0 57 | 10 17 | 13 25 | 4 46 | 4 21 | 16 44 | | | n.a. |
| T 3 | 21 58 | 28 18 | 5 5 | 18 28 | 0 26 | 8 0 | 0 45 | 29 16 | 6 38 | 22 9 | 1 5 | 14 18 | 1 26 | 16 35 | 0 6 | 19 52 | 0 57 | 10 16 | 13 24 | 4 49 | 4 22 | 16 41 | | | n.a. |
| F 4 | 21 48 | 28 55 | 5 0 | 17 56 | 0 19 | 7 30 | 0 50 | 29 17 | 6 37 | 22 7 | 1 5 | 14 19 | 1 26 | 16 35 | 0 6 | 19 52 | 0 57 | 10 15 | 13 24 | 4 53 | 4 23 | 16 38 | | | n.a. |
| S 5 | 21 38 | 28 5 | 4 40 | 17 22 | 0 11 | 7 0 | 0 56 | 29 18 | 6 35 | 22 4 | 1 5 | 14 19 | 1 25 | 16 35 | 0 6 | 19 52 | 0 57 | 10 14 | 13 23 | 4 57 | 4 24 | 16 35 | | | n.a. |
| S 6 | 21 27 | 25 56 | 4 8 | 16 49 | 0 4 | 6 30 | 1 1 | 29 18 | 6 33 | 22 1 | 1 5 | 14 19 | 1 25 | 16 35 | 0 6 | 19 52 | 0 57 | 10 13 | 13 23 | 5 1 | 4 26 | 16 32 | | | n.a. |
| M 7 | 21 16 | 22 38 | 3 26 | 16 15 | 0s 3 | 6 0 | 1 6 | 29 18 | 6 31 | 21 59 | 1 6 | 14 19 | 1 25 | 16 35 | 0 6 | 19 52 | 0 57 | 10 12 | 13 22 | 5 4 | 4 27 | 16 29 | | | n.a. |
| T 8 | 21 4 | 18 26 | 2 35 | 15 40 | 0 11 | 5 30 | 1 11 | 29 18 | 6 29 | 21 56 | 1 6 | 14 20 | 1 25 | 16 35 | 0 6 | 19 52 | 0 57 | 10 11 | 13 22 | 5 7 | 4 28 | 16 26 | | | n.a. |
| W 9 | 20 52 | 13 34 | 1 37 | 15 6 | 0 18 | 5 0 | 1 16 | 29 18 | 6 27 | 21 53 | 1 6 | 14 20 | 1 24 | 16 35 | 0 6 | 19 52 | 0 57 | 10 10 | 13 21 | 5 8 | 4 29 | 16 23 | | | n.a. |
| T 10 | 20 39 | 8 13 | 0 35 | 14 31 | 0 26 | 4 29 | 1 22 | 29 17 | 6 24 | 21 51 | 1 6 | 14 21 | 1 24 | 16 35 | 0 5 | 19 52 | 0 57 | 10 9 | 13 21 | 5 9 | 4 31 | 16 20 | | | n.a. |
| F 11 | 20 27 | 2 34 | 0s29 | 13 56 | 0 34 | 3 59 | 1 27 | 29 16 | 6 22 | 21 48 | 1 6 | 14 21 | 1 24 | 16 35 | 0 5 | 19 51 | 0 57 | 10 8 | 13 20 | 5 9 | 4 32 | 16 17 | | | n.a. |
| S 12 | 20 13 | 3s13 | 1 32 | 13 20 | 0 41 | 3 29 | 1 32 | 29 15 | 6 19 | 21 45 | 1 6 | 14 21 | 1 24 | 16 35 | 0 5 | 19 51 | 0 57 | 10 7 | 13 20 | 5 9 | 4 33 | 16 14 | | | n.a. |
| S 13 | 20 0 | 8 59 | 2 32 | 12 45 | 0 49 | 2 58 | 1 38 | 29 14 | 6 16 | 21 42 | 1 6 | 14 22 | 1 24 | 16 35 | 0 5 | 19 51 | 0 57 | 10 6 | 13 19 | 5 8 | 4 34 | 16 11 | | | n.a. |
| M14 | 19 46 | 14 31 | 3 27 | 12 10 | 0 57 | 2 28 | 1 43 | 29 12 | 6 13 | 21 40 | 1 6 | 14 22 | 1 23 | 16 35 | 0 5 | 19 51 | 0 57 | 10 6 | 13 19 | 5 8 | 4 36 | 16 8 | | | n.a. |
| T 15 | 19 32 | 19 37 | 4 13 | 11 34 | 1 5 | 1 58 | 1 49 | 29 10 | 6 10 | 21 37 | 1 6 | 14 23 | 1 23 | 16 35 | 0 5 | 19 51 | 0 57 | 10 5 | 13 18 | 5 8 | 4 37 | 16 5 | | | n.a. |
| W16 | 19 17 | 23 58 | 4 47 | 10 59 | 1 13 | 1 27 | 1 54 | 29 8 | 6 6 | 21 34 | 1 6 | 14 23 | 1 23 | 16 35 | 0 5 | 19 51 | 0 57 | 10 4 | 13 18 | 5 9 | 4 38 | 16 2 | | | n.a. |
| T 17 | 19 2 | 27 11 | 5 7 | 10 24 | 1 21 | 0 57 | 2 0 | 29 6 | 6 3 | 21 31 | 1 6 | 14 24 | 1 23 | 16 35 | 0 5 | 19 51 | 0 57 | 10 3 | 13 18 | 5 10 | 4 40 | 15 59 | | | n.a. |
| F 18 | 18 47 | 28 50 | 5 9 | 9 49 | 1 29 | 0 27 | 2 6 | 29 4 | 5 59 | 21 28 | 1 6 | 14 25 | 1 23 | 16 35 | 0 5 | 19 51 | 0 56 | 10 2 | 13 17 | 5 12 | 4 41 | 15 56 | | | n.a. |
| S 19 | 18 32 | 28 36 | 4 52 | 9 15 | 1 36 | 0s 3 | 2 11 | 29 1 | 5 56 | 21 26 | 1 6 | 14 25 | 1 22 | 16 35 | 0 5 | 19 51 | 0 56 | 10 1 | 13 17 | 5 14 | 4 42 | 15 53 | | | n.a. |
| S 20 | 18 16 | 26 19 | 4 15 | 8 41 | 1 44 | 0 34 | 2 17 | 28 58 | 5 52 | 21 23 | 1 6 | 14 26 | 1 22 | 16 35 | 0 5 | 19 51 | 0 56 | 10 0 | 13 16 | 5 16 | 4 43 | 15 50 | | | n.a. |
| M21 | 17 59 | 22 7 | 3 20 | 8 7 | 1 52 | 1 4 | 2 22 | 28 55 | 5 49 | 21 20 | 1 6 | 14 27 | 1 22 | 16 35 | 0 5 | 19 51 | 0 56 | 9 59 | 13 16 | 5 18 | 4 45 | 15 47 | | | n.a. |
| T 22 | 17 43 | 16 26 | 2 10 | 7 34 | 1 59 | 1 34 | 2 28 | 28 52 | 5 45 | 21 17 | 1 7 | 14 28 | 1 22 | 16 36 | 0 5 | 19 51 | 0 56 | 9 57 | 13 15 | 5 20 | 4 46 | 15 44 | | | n.a. |
| W23 | 17 26 | 9 46 | 0 51 | 7 2 | 2 7 | 2 4 | 2 34 | 28 49 | 5 41 | 21 14 | 1 7 | 14 28 | 1 22 | 16 36 | 0 5 | 19 51 | 0 56 | 9 56 | 13 15 | 5 21 | 4 47 | 15 41 | | | n.a. |
| T 24 | 17 9 | 2 40 | 0n30 | 6 30 | 2 14 | 2 33 | 2 39 | 28 46 | 5 37 | 21 11 | 1 7 | 14 29 | 1 21 | 16 36 | 0 5 | 19 51 | 0 56 | 9 55 | 13 15 | 5 21 | 4 48 | 15 38 | | | n.a. |
| F 25 | 16 51 | 4n25 | 1 48 | 5 59 | 2 21 | 3 3 | 2 45 | 28 42 | 5 33 | 21 8 | 1 7 | 14 30 | 1 21 | 16 36 | 0 5 | 19 51 | 0 56 | 9 54 | 13 14 | 5 20 | 4 50 | 15 35 | | | n.a. |
| S 26 | 16 34 | 11 5 | 2 57 | 5 29 | 2 28 | 3 32 | 2 51 | 28 38 | 5 29 | 21 5 | 1 7 | 14 31 | 1 21 | 16 36 | 0 5 | 19 51 | 0 56 | 9 53 | 13 14 | 5 20 | 4 51 | 15 32 | | | n.a. |
| S 27 | 16 16 | 17 1 | 3 53 | 5 0 | 2 35 | 4 2 | 2 56 | 28 35 | 5 25 | 21 2 | 1 7 | 14 32 | 1 21 | 16 37 | 0 5 | 19 51 | 0 56 | 9 52 | 13 13 | 5 19 | 4 52 | 15 29 | | | n.a. |
| M28 | 15 57 | 21 58 | 4 35 | 4 33 | 2 41 | 4 31 | 3 2 | 28 31 | 5 21 | 20 59 | 1 7 | 14 33 | 1 21 | 16 37 | 0 5 | 19 51 | 0 56 | 9 51 | 13 13 | 5 19 | 4 53 | 15 26 | | | n.a. |
| T 29 | 15 39 | 25 42 | 5 2 | 4 7 | 2 47 | 5 0 | 3 8 | 28 27 | 5 17 | 20 57 | 1 7 | 14 34 | 1 20 | 16 37 | 0 5 | 19 51 | 0 56 | 9 50 | 13 12 | 5 19 | 4 55 | 15 23 | | | n.a. |
| W30 | 15 20 | 28 5 | 5 13 | 3 42 | 2 53 | 5 29 | 3 13 | 28 23 | 5 13 | 20 54 | 1 7 | 14 35 | 1 20 | 16 37 | 0 5 | 19 51 | 0 56 | 9 49 | 13 12 | 5 20 | 4 56 | 15 20 | | | n.a. |
| T 31 | 15n 1 | 29n 1 | 5n 9 | 3n19 | 2s58 | 5s57 | 3s19 | 28s18 | 5s 8 | 20n51 | 1n 7 | 14s36 | 1n20 | 16s38 | 0n 5 | 19s51 | 0n56 | 9n48 | 13n12 | 5s21 | 4s57 | 15n17 | | | n.a. |

Julian Day Number = 1006110.5, Delta T = 12h45m28s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'31, Lahiri = -30°57'30 Julian Calendar 1 Aug. 1959 BCE == Greg. Calendar 15 July 1959 BCE

The year -1958 astronomical counting style corresponds to year 1959 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## SEPTEMBER 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 21 33 12 | 21♌18'11 | 8♋21 | 15♍37 | 8♎10 | 13♑47 | 3♌46 | 12♏25 | 15♏11 | 0♐57 | 5♎37 | 16°R37 | 17♓39 | 25♌12 | n.a. | F 1 |
| S 2 | 21 37 8 | 22°17'58 | 20°24 | 16°14 | 9° 7 | 13°49 | 3°58 | 12°28 | 15°12 | 0°57 | 5°39 | 16♓33 | 17°36 | 25°19 | n.a. | S 2 |
| S 3 | 21 41 5 | 23°17'48 | 2♌19 | 16°47 | 10° 4 | 13°53 | 4°11 | 12°30 | 15°13 | 0°57 | 5°41 | 16°29 | 17°33 | 25°25 | n.a. | S 3 |
| M 4 | 21 45 1 | 24°17'40 | 14°10 | 17°13 | 11° 0 | 13°57 | 4°24 | 12°33 | 15°14 | 0°57 | 5°43 | 16°26 | 17°30 | 25°32 | n.a. | M 4 |
| T 5 | 21 48 58 | 25°17'34 | 25°59 | 17°34 | 11°56 | 14° 1 | 4°37 | 12°37 | 15°16 | 0°57 | 5°45 | 16°23 | 17°26 | 25°39 | n.a. | T 5 |
| W 6 | 21 52 54 | 26°17'30 | 7♍46 | 17°48 | 12°51 | 14° 7 | 4°49 | 12°40 | 15°17 | 0°58 | 5°47 | 16°22 | 17°23 | 25°45 | n.a. | W 6 |
| T 7 | 21 56 51 | 27°17'28 | 19°35 | 17°R56 | 13°45 | 14°13 | 5° 2 | 12°43 | 15°18 | 0°58 | 5°49 | 16°D21 | 17°20 | 25°52 | n.a. | T 7 |
| F 8 | 22 0 47 | 28°17'28 | 1♎28 | 17°55 | 14°39 | 14°20 | 5°14 | 12°46 | 15°20 | 0°58 | 5°51 | 16°22 | 17°17 | 25°59 | n.a. | F 8 |
| S 9 | 22 4 44 | 29°17'30 | 13°28 | 17°47 | 15°32 | 14°28 | 5°27 | 12°50 | 15°21 | 0°58 | 5°53 | 16°23 | 17°14 | 26° 5 | n.a. | S 9 |
| S 10 | 22 8 41 | 0♍17'34 | 25°37 | 17°30 | 16°25 | 14°37 | 5°39 | 12°53 | 15°22 | 0°59 | 5°55 | 16°25 | 17°10 | 26°12 | n.a. | S 10 |
| M11 | 22 12 37 | 1°17'40 | 8♏ 1 | 17° 4 | 17°17 | 14°46 | 5°52 | 12°57 | 15°24 | 0°59 | 5°57 | 16°26 | 17° 7 | 26°19 | n.a. | M11 |
| T 12 | 22 16 34 | 2°17'48 | 20°41 | 16°28 | 18° 9 | 14°56 | 6° 4 | 13° 0 | 15°25 | 1° 0 | 5°59 | 16°27 | 17° 4 | 26°25 | n.a. | T 12 |
| W13 | 22 20 30 | 3°17'57 | 3♐43 | 15°44 | 18°59 | 15° 6 | 6°17 | 13° 4 | 15°27 | 1° 0 | 6° 1 | 16°R27 | 17° 1 | 26°32 | n.a. | W13 |
| T 14 | 22 24 27 | 4°18'08 | 17° 8 | 14°51 | 19°49 | 15°18 | 6°29 | 13° 8 | 15°29 | 1° 1 | 6° 3 | 16°27 | 16°58 | 26°38 | n.a. | T 14 |
| F 15 | 22 28 23 | 5°18'21 | 1♑ 0 | 13°50 | 20°38 | 15°30 | 6°41 | 13°12 | 15°30 | 1° 1 | 6° 5 | 16°26 | 16°55 | 26°45 | n.a. | F 15 |
| S 16 | 22 32 20 | 6°18'36 | 15°18 | 12°42 | 21°27 | 15°42 | 6°53 | 13°16 | 15°32 | 1° 2 | 6° 7 | 16°25 | 16°51 | 26°52 | n.a. | S 16 |
| S 17 | 22 36 16 | 7°18'52 | 29°59 | 11°28 | 22°14 | 15°55 | 7° 6 | 13°20 | 15°34 | 1° 2 | 6° 9 | 16°24 | 16°48 | 26°58 | n.a. | S 17 |
| M18 | 22 40 13 | 8°19'10 | 15♒ 0 | 10°11 | 23° 1 | 16° 9 | 7°18 | 13°24 | 15°36 | 1° 3 | 6°12 | 16°23 | 16°45 | 27° 5 | n.a. | M18 |
| T 19 | 22 44 10 | 9°19'30 | 0♓11 | 8°53 | 23°47 | 16°24 | 7°30 | 13°28 | 15°38 | 1° 3 | 6°14 | 16°22 | 16°42 | 27°12 | n.a. | T 19 |
| W20 | 22 48 6 | 10°19'51 | 15°24 | 7°36 | 24°32 | 16°39 | 7°42 | 13°33 | 15°40 | 1° 4 | 6°16 | 16°D22 | 16°39 | 27°18 | n.a. | W20 |
| T 21 | 22 52 3 | 11°20'15 | 0♈28 | 6°22 | 25°16 | 16°54 | 7°54 | 13°37 | 15°42 | 1° 5 | 6°18 | 16°22 | 16°35 | 27°25 | n.a. | T 21 |
| F 22 | 22 55 59 | 12°20'40 | 15°15 | 5°15 | 25°58 | 17°10 | 8° 6 | 13°42 | 15°44 | 1° 6 | 6°20 | 16°23 | 16°32 | 27°32 | n.a. | F 22 |
| S 23 | 22 59 56 | 13°21'08 | 29°39 | 4°16 | 26°40 | 17°27 | 8°17 | 13°46 | 15°46 | 1° 6 | 6°23 | 16°23 | 16°29 | 27°38 | n.a. | S 23 |
| S 24 | 23 3 52 | 14°21'37 | 13♉36 | 3°26 | 27°21 | 17°44 | 8°29 | 13°51 | 15°48 | 1° 7 | 6°25 | 16°23 | 16°26 | 27°45 | n.a. | S 24 |
| M25 | 23 7 49 | 15°22'09 | 27° 6 | 2°47 | 28° 0 | 18° 2 | 8°41 | 13°55 | 15°50 | 1° 8 | 6°27 | 16°23 | 16°23 | 27°52 | n.a. | M25 |
| T 26 | 23 11 45 | 16°22'42 | 10♊10 | 2°20 | 28°39 | 18°20 | 8°53 | 14° 0 | 15°52 | 1° 9 | 6°29 | 16°23 | 16°20 | 27°58 | n.a. | T 26 |
| W27 | 23 15 42 | 17°23'18 | 22°51 | 2° 4 | 29°16 | 18°39 | 9° 4 | 14° 5 | 15°54 | 1°10 | 6°32 | 16°23 | 16°16 | 28° 5 | n.a. | W27 |
| T 28 | 23 19 38 | 18°23'56 | 5♋13 | 2°D 0 | 29°52 | 18°58 | 9°16 | 14°10 | 15°57 | 1°11 | 6°34 | 16°23 | 16°13 | 28°12 | n.a. | T 28 |
| F 29 | 23 23 35 | 19°24'35 | 17°20 | 2° 7 | 0♏27 | 19°18 | 9°27 | 14°15 | 15°59 | 1°12 | 6°36 | 16°24 | 16°10 | 28°18 | n.a. | F 29 |
| S 30 | 23 27 32 | 20♍25'17 | 29♋17 | 2♍25 | 1♏ 0 | 19♑38 | 9♌39 | 14♏20 | 16♏ 1 | 1♐13 | 6♎39 | 16♓24 | 16♓ 7 | 28♌25 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 14n41 | 28n30 | 4n52 | 2n59 | 3s 3 | 6s25 | 3s25 | 28s14 | 5s 4 | 20n48 | 1n 8 | 14s37 | 1n20 | 16s38 | 0n 5 | 19s51 | 0n56 | 9n47 | 13n11 | 5s23 | 4s59 | 15n14 | | n.a. |
| S 2 | 14 21 | 26 38 | 4 21 | 2 40 | 3 7 | 6 54 | 3 30 | 28 10 | 5 0 | 20 45 | 1 8 | 14 38 | 1 20 | 16 38 | 0 5 | 19 51 | 0 56 | 9 46 | 13 11 | 5 25 | 5 0 | 15 11 | | n.a. |
| S 3 | 14 2 | 23 36 | 3 39 | 2 24 | 3 11 | 7 21 | 3 36 | 28 5 | 4 56 | 20 42 | 1 8 | 14 39 | 1 19 | 16 39 | 0 5 | 19 51 | 0 56 | 9 45 | 13 11 | 5 26 | 5 1 | 15 8 | | n.a. |
| M 4 | 13 41 | 19 35 | 2 48 | 2 11 | 3 14 | 7 49 | 3 41 | 28 1 | 4 52 | 20 39 | 1 8 | 14 40 | 1 19 | 16 39 | 0 5 | 19 51 | 0 56 | 9 44 | 13 10 | 5 28 | 5 2 | 15 5 | | n.a. |
| T 5 | 13 21 | 14 50 | 1 50 | 2 1 | 3 16 | 8 16 | 3 47 | 27 56 | 4 48 | 20 36 | 1 8 | 14 41 | 1 19 | 16 39 | 0 5 | 19 51 | 0 56 | 9 43 | 13 10 | 5 29 | 5 4 | 15 2 | | n.a. |
| W 6 | 13 0 | 9 33 | 0 47 | 1 54 | 3 17 | 8 43 | 3 52 | 27 51 | 4 43 | 20 33 | 1 8 | 14 42 | 1 19 | 16 40 | 0 5 | 19 51 | 0 56 | 9 41 | 13 9 | 5 29 | 5 5 | 14 58 | | n.a. |
| T 7 | 12 39 | 3 56 | 0s18 | 1 51 | 3 17 | 9 10 | 3 57 | 27 46 | 4 39 | 20 30 | 1 8 | 14 43 | 1 19 | 16 40 | 0 5 | 19 52 | 0 56 | 9 40 | 13 9 | 5 29 | 5 6 | 14 55 | | n.a. |
| F 8 | 12 18 | 1s51 | 1 23 | 1 53 | 3 15 | 9 36 | 4 3 | 27 41 | 4 35 | 20 27 | 1 8 | 14 45 | 1 18 | 16 41 | 0 5 | 19 52 | 0 56 | 9 39 | 13 9 | 5 29 | 5 7 | 14 52 | | n.a. |
| S 9 | 11 57 | 7 38 | 2 24 | 1 58 | 3 13 | 10 2 | 4 8 | 27 36 | 4 31 | 20 24 | 1 8 | 14 46 | 1 18 | 16 41 | 0 5 | 19 52 | 0 56 | 9 38 | 13 8 | 5 29 | 5 9 | 14 49 | | n.a. |
| S 10 | 11 36 | 13 12 | 3 21 | 2 9 | 3 9 | 10 28 | 4 13 | 27 31 | 4 27 | 20 21 | 1 9 | 14 47 | 1 18 | 16 42 | 0 5 | 19 52 | 0 55 | 9 37 | 13 8 | 5 28 | 5 10 | 14 46 | | n.a. |
| M11 | 11 14 | 18 22 | 4 9 | 2 25 | 3 3 | 10 53 | 4 18 | 27 26 | 4 23 | 20 18 | 1 9 | 14 48 | 1 18 | 16 42 | 0 5 | 19 52 | 0 55 | 9 36 | 13 8 | 5 27 | 5 11 | 14 43 | | n.a. |
| T 12 | 10 52 | 22 52 | 4 46 | 2 45 | 2 56 | 11 18 | 4 23 | 27 21 | 4 19 | 20 15 | 1 9 | 14 50 | 1 18 | 16 43 | 0 5 | 19 52 | 0 55 | 9 35 | 13 8 | 5 27 | 5 12 | 14 40 | | n.a. |
| W13 | 10 30 | 26 22 | 5 9 | 3 11 | 2 46 | 11 42 | 4 28 | 27 16 | 4 15 | 20 12 | 1 9 | 14 51 | 1 17 | 16 43 | 0 5 | 19 52 | 0 55 | 9 34 | 13 7 | 5 27 | 5 14 | 14 37 | | n.a. |
| T 14 | 10 8 | 28 33 | 5 17 | 3 43 | 2 35 | 12 6 | 4 33 | 27 10 | 4 11 | 20 9 | 1 9 | 14 52 | 1 17 | 16 44 | 0 5 | 19 52 | 0 55 | 9 33 | 13 7 | 5 27 | 5 15 | 14 34 | | n.a. |
| F 15 | 9 45 | 29 2 | 5 7 | 4 19 | 2 22 | 12 30 | 4 38 | 27 5 | 4 7 | 20 5 | 1 9 | 14 54 | 1 17 | 16 44 | 0 5 | 19 53 | 0 55 | 9 31 | 13 7 | 5 27 | 5 16 | 14 31 | | n.a. |
| S 16 | 9 23 | 27 37 | 4 38 | 4 59 | 2 7 | 12 53 | 4 43 | 27 0 | 4 3 | 20 2 | 1 9 | 14 55 | 1 17 | 16 45 | 0 5 | 19 53 | 0 55 | 9 30 | 13 6 | 5 28 | 5 17 | 14 28 | | n.a. |
| S 17 | 9 0 | 24 18 | 3 50 | 5 43 | 1 50 | 13 15 | 4 48 | 26 54 | 3 59 | 19 59 | 1 10 | 14 56 | 1 17 | 16 45 | 0 5 | 19 53 | 0 55 | 9 29 | 13 6 | 5 28 | 5 19 | 14 24 | | n.a. |
| M18 | 8 37 | 19 18 | 2 46 | 6 30 | 1 31 | 13 38 | 4 52 | 26 49 | 3 55 | 19 56 | 1 10 | 14 58 | 1 16 | 16 46 | 0 5 | 19 53 | 0 55 | 9 28 | 13 6 | 5 29 | 5 20 | 14 21 | | n.a. |
| T 19 | 8 14 | 13 1 | 1 29 | 7 18 | 1 12 | 13 59 | 4 57 | 26 43 | 3 51 | 19 53 | 1 10 | 14 59 | 1 16 | 16 46 | 0 5 | 19 53 | 0 55 | 9 27 | 13 5 | 5 29 | 5 21 | 14 18 | | n.a. |
| W20 | 7 51 | 5 57 | 0 5 | 8 6 | 0 51 | 14 20 | 5 1 | 26 37 | 3 47 | 19 50 | 1 10 | 15 1 | 1 16 | 16 47 | 0 5 | 19 53 | 0 55 | 9 26 | 13 5 | 5 29 | 5 22 | 14 15 | | n.a. |
| T 21 | 7 27 | 1n22 | 1n18 | 8 53 | 0 31 | 14 41 | 5 5 | 26 31 | 3 44 | 19 47 | 1 10 | 15 2 | 1 16 | 16 47 | 0 5 | 19 54 | 0 55 | 9 25 | 13 5 | 5 29 | 5 24 | 14 12 | | n.a. |
| F 22 | 7 4 | 8 29 | 2 34 | 9 37 | 0 10 | 15 0 | 5 9 | 26 26 | 3 40 | 19 44 | 1 10 | 15 4 | 1 16 | 16 48 | 0 5 | 19 54 | 0 55 | 9 24 | 13 5 | 5 29 | 5 25 | 14 9 | | n.a. |
| S 23 | 6 40 | 14 58 | 3 38 | 10 17 | 0n 9 | 15 20 | 5 13 | 26 20 | 3 36 | 19 41 | 1 10 | 15 5 | 1 16 | 16 49 | 0 5 | 19 54 | 0 55 | 9 23 | 13 4 | 5 29 | 5 26 | 14 6 | | n.a. |
| S 24 | 6 17 | 20 29 | 4 27 | 10 53 | 0 28 | 15 38 | 5 17 | 26 14 | 3 32 | 19 38 | 1 11 | 15 7 | 1 15 | 16 49 | 0 5 | 19 54 | 0 55 | 9 21 | 13 4 | 5 29 | 5 28 | 14 3 | | n.a. |
| M25 | 5 53 | 24 46 | 5 0 | 11 24 | 0 46 | 15 56 | 5 20 | 26 8 | 3 29 | 19 35 | 1 11 | 15 9 | 1 15 | 16 50 | 0 5 | 19 54 | 0 55 | 9 20 | 13 4 | 5 29 | 5 29 | 13 59 | | n.a. |
| T 26 | 5 29 | 27 38 | 5 16 | 11 49 | 1 2 | 16 14 | 5 24 | 26 1 | 3 25 | 19 32 | 1 11 | 15 10 | 1 15 | 16 51 | 0 5 | 19 55 | 0 55 | 9 19 | 13 4 | 5 29 | 5 30 | 13 56 | | n.a. |
| W27 | 5 5 | 28 59 | 5 16 | 12 9 | 1 17 | 16 30 | 5 27 | 25 55 | 3 22 | 19 29 | 1 11 | 15 12 | 1 15 | 16 51 | 0 5 | 19 55 | 0 55 | 9 18 | 13 4 | 5 29 | 5 31 | 13 53 | | n.a. |
| T 28 | 4 41 | 28 50 | 5 1 | 12 22 | 1 30 | 16 46 | 5 30 | 25 49 | 3 18 | 19 26 | 1 11 | 15 13 | 1 15 | 16 52 | 0 5 | 19 55 | 0 55 | 9 17 | 13 3 | 5 29 | 5 33 | 13 50 | | n.a. |
| F 29 | 4 16 | 27 17 | 4 33 | 12 30 | 1 41 | 17 1 | 5 32 | 25 43 | 3 15 | 19 24 | 1 11 | 15 15 | 1 15 | 16 53 | 0 5 | 19 55 | 0 55 | 9 16 | 13 3 | 5 28 | 5 34 | 13 47 | | n.a. |
| S 30 | 3n52 | 24n30 | 3n53 | 12n32 | 1n50 | 17s16 | 5s35 | 25s36 | 3s11 | 19n21 | 1n12 | 15s17 | 1n14 | 16s53 | 0n 5 | 19s56 | 0n55 | 9n15 | 13n 3 | 5s28 | 5s35 | 13n44 | | n.a. |

Julian Day Number = 1006141.5, Delta T = 12h45m26s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'27, Lahiri = -30°57'26 Julian Calendar 1 Sept. 1959 BCE == Greg. Calendar 15 Aug. 1959 BCE


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## OCTOBER 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 31 28 | 21♍26'00 | 11♌ 7 | 2♍52 | 1♏31 | 19♉58 | 9♌50 | 14♏25 | 16♏ 4 | 1♐14 | 6♎41 | 16♓25 | 16♓ 4 | 28♌32 | n.a. | S 1 |
| M 2 | 23 35 25 | 22°26'45 | 22°55 | 3°28 | 2° 2 | 20°20 | 10° 1 | 14°30 | 16° 6 | 1°15 | 6°43 | 16°25 | 16° 1 | 28°38 | n.a. | M 2 |
| T 3 | 23 39 21 | 23°27'32 | 4♍43 | 4°12 | 2°30 | 20°41 | 10°12 | 14°35 | 16° 9 | 1°16 | 6°46 | 16°26 | 15°57 | 28°45 | n.a. | T 3 |
| W 4 | 23 43 18 | 24°28'20 | 16°33 | 5° 3 | 2°57 | 21° 3 | 10°23 | 14°41 | 16°11 | 1°17 | 6°48 | 16°R26 | 15°54 | 28°52 | n.a. | W 4 |
| T 5 | 23 47 14 | 25°29'10 | 28°29 | 6° 0 | 3°23 | 21°25 | 10°34 | 14°46 | 16°14 | 1°18 | 6°50 | 16°26 | 15°51 | 28°58 | n.a. | T 5 |
| F 6 | 23 51 11 | 26°30'01 | 10♎32 | 7° 3 | 3°46 | 21°48 | 10°45 | 14°51 | 16°16 | 1°19 | 6°53 | 16°25 | 15°48 | 29° 5 | n.a. | F 6 |
| S 7 | 23 55 7 | 27°30'54 | 22°43 | 8°10 | 4° 8 | 22°11 | 10°56 | 14°57 | 16°19 | 1°21 | 6°55 | 16°24 | 15°45 | 29°12 | n.a. | S 7 |
| S 8 | 23 59 4 | 28°31'48 | 5♏ 5 | 9°22 | 4°28 | 22°35 | 11° 7 | 15° 2 | 16°22 | 1°22 | 6°58 | 16°22 | 15°41 | 29°18 | n.a. | S 8 |
| M 9 | 0 3 1 | 29°32'43 | 17°39 | 10°36 | 4°46 | 22°59 | 11°18 | 15° 8 | 16°24 | 1°23 | 7° 0 | 16°20 | 15°38 | 29°25 | n.a. | M 9 |
| T 10 | 0 6 57 | 0♎33'39 | 0♐28 | 11°54 | 5° 2 | 23°23 | 11°28 | 15°14 | 16°27 | 1°24 | 7° 2 | 16°18 | 15°35 | 29°31 | n.a. | T 10 |
| W11 | 0 10 54 | 1°34'37 | 13°32 | 13°14 | 5°16 | 23°48 | 11°39 | 15°19 | 16°30 | 1°26 | 7° 5 | 16°17 | 15°32 | 29°38 | n.a. | W11 |
| T 12 | 0 14 50 | 2°35'36 | 26°54 | 14°37 | 5°28 | 24°13 | 11°49 | 15°25 | 16°32 | 1°27 | 7° 7 | 16°D16 | 15°29 | 29°45 | n.a. | T 12 |
| F 13 | 0 18 47 | 3°36'35 | 10♑36 | 16° 1 | 5°37 | 24°39 | 12° 0 | 15°31 | 16°35 | 1°29 | 7° 9 | 16°16 | 15°26 | 29°51 | n.a. | F 13 |
| S 14 | 0 22 43 | 4°37'36 | 24°38 | 17°27 | 5°45 | 25° 4 | 12°10 | 15°37 | 16°38 | 1°30 | 7°12 | 16°17 | 15°22 | 29°58 | n.a. | S 14 |
| S 15 | 0 26 40 | 5°38'37 | 8♒59 | 18°54 | 5°50 | 25°30 | 12°20 | 15°43 | 16°41 | 1°31 | 7°14 | 16°18 | 15°19 | 0♍ 5 | n.a. | S 15 |
| M16 | 0 30 36 | 6°39'39 | 23°37 | 20°22 | 5°52 | 25°57 | 12°30 | 15°49 | 16°44 | 1°33 | 7°17 | 16°19 | 15°16 | 0°11 | n.a. | M16 |
| T 17 | 0 34 33 | 7°40'42 | 8♓28 | 21°51 | 5°R52 | 26°23 | 12°40 | 15°55 | 16°47 | 1°34 | 7°19 | 16°20 | 15°13 | 0°18 | n.a. | T 17 |
| W18 | 0 38 30 | 8°41'46 | 23°25 | 23°21 | 5°50 | 26°50 | 12°50 | 16° 1 | 16°50 | 1°36 | 7°21 | 16°R20 | 15°10 | 0°25 | n.a. | W18 |
| T 19 | 0 42 26 | 9°42'51 | 8♈20 | 24°51 | 5°45 | 27°18 | 13° 0 | 16° 7 | 16°53 | 1°37 | 7°24 | 16°19 | 15° 7 | 0°31 | n.a. | T 19 |
| F 20 | 0 46 23 | 10°43'57 | 23° 5 | 26°22 | 5°38 | 27°45 | 13° 9 | 16°13 | 16°56 | 1°39 | 7°26 | 16°17 | 15° 3 | 0°38 | n.a. | F 20 |
| S 21 | 0 50 19 | 11°45'04 | 7♉32 | 27°53 | 5°28 | 28°13 | 13°19 | 16°19 | 16°59 | 1°41 | 7°29 | 16°13 | 15° 0 | 0°45 | n.a. | S 21 |
| S 22 | 0 54 16 | 12°46'12 | 21°37 | 29°25 | 5°16 | 28°41 | 13°28 | 16°26 | 17° 2 | 1°42 | 7°31 | 16° 9 | 14°57 | 0°51 | n.a. | S 22 |
| M23 | 0 58 12 | 13°47'21 | 5♊15 | 0♎56 | 5° 1 | 29° 9 | 13°38 | 16°32 | 17° 5 | 1°44 | 7°33 | 16° 5 | 14°54 | 0°58 | n.a. | M23 |
| T 24 | 1 2 9 | 14°48'32 | 18°27 | 2°29 | 4°44 | 29°38 | 13°47 | 16°38 | 17° 8 | 1°46 | 7°36 | 16° 1 | 14°51 | 1° 5 | n.a. | T 24 |
| W25 | 1 6 5 | 15°49'43 | 1♋14 | 4° 1 | 4°24 | 0♒ 7 | 13°56 | 16°45 | 17°11 | 1°47 | 7°38 | 15°59 | 14°47 | 1°11 | n.a. | W25 |
| T 26 | 1 10 2 | 16°50'56 | 13°39 | 5°33 | 4° 3 | 0°36 | 14° 5 | 16°51 | 17°15 | 1°49 | 7°41 | 15°D58 | 14°44 | 1°18 | n.a. | T 26 |
| F 27 | 1 13 59 | 17°52'09 | 25°47 | 7° 6 | 3°39 | 1° 5 | 14°14 | 16°58 | 17°18 | 1°51 | 7°43 | 15°58 | 14°41 | 1°25 | n.a. | F 27 |
| S 28 | 1 17 55 | 18°53'24 | 7♌43 | 8°39 | 3°13 | 1°35 | 14°22 | 17° 4 | 17°21 | 1°53 | 7°45 | 16° 0 | 14°38 | 1°31 | n.a. | S 28 |
| S 29 | 1 21 52 | 19°54'39 | 19°32 | 10°12 | 2°45 | 2° 4 | 14°31 | 17°11 | 17°24 | 1°54 | 7°48 | 16° 1 | 14°35 | 1°38 | n.a. | S 29 |
| M30 | 1 25 48 | 20°55'55 | 1♍18 | 11°45 | 2°15 | 2°34 | 14°40 | 17°17 | 17°28 | 1°56 | 7°50 | 16° 3 | 14°32 | 1°44 | n.a. | M30 |
| T 31 | 1 29 45 | 21♎57'12 | 13♍ 7 | 13♎18 | 1♏44 | 3♒ 5 | 14♌48 | 17♏24 | 17♏31 | 1♐58 | 7♎52 | 16°R 4 | 14♓28 | 1♍51 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3n28 | 20n44 | 3n 4 | 12n29 | 1n58 | 17s30 | 5s37 | 25s30 | 3s 8 | 19n18 | 1n12 | 15s18 | 1n14 | 16s54 | 0n 5 | 19s56 | 0n55 | 9n14 | 13n 3 | 5s28 | 5s36 | 13n41 | | n.a. |
| M 2 | 3 3 | 16 9 | 2 7 | 12 22 | 2 5 | 17 42 | 5 39 | 25 23 | 3 4 | 19 15 | 1 12 | 15 20 | 1 14 | 16 55 | 0 5 | 19 56 | 0 55 | 9 13 | 13 3 | 5 28 | 5 38 | 13 37 | | n.a. |
| T 3 | 2 39 | 10 59 | 1 5 | 12 10 | 2 9 | 17 54 | 5 41 | 25 17 | 3 1 | 19 12 | 1 12 | 15 22 | 1 14 | 16 56 | 0 5 | 19 56 | 0 55 | 9 11 | 13 2 | 5 28 | 5 39 | 13 34 | | n.a. |
| W 4 | 2 14 | 5 24 | 0s 1 | 11 54 | 2 13 | 18 5 | 5 43 | 25 10 | 2 58 | 19 9 | 1 12 | 15 24 | 1 14 | 16 56 | 0 5 | 19 57 | 0 54 | 9 10 | 13 2 | 5 28 | 5 40 | 13 31 | | n.a. |
| T 5 | 1 50 | 0s24 | 1 6 | 11 35 | 2 16 | 18 16 | 5 44 | 25 3 | 2 55 | 19 6 | 1 12 | 15 25 | 1 14 | 16 57 | 0 5 | 19 57 | 0 54 | 9 9 | 13 2 | 5 28 | 5 41 | 13 28 | | n.a. |
| F 6 | 1 25 | 6 14 | 2 10 | 11 13 | 2 17 | 18 25 | 5 45 | 24 56 | 2 51 | 19 3 | 1 13 | 15 27 | 1 13 | 16 58 | 0 5 | 19 57 | 0 54 | 9 8 | 13 2 | 5 28 | 5 43 | 13 25 | | n.a. |
| S 7 | 1 0 | 11 54 | 3 8 | 10 47 | 2 17 | 18 33 | 5 46 | 24 49 | 2 48 | 19 0 | 1 13 | 15 29 | 1 13 | 16 59 | 0 5 | 19 58 | 0 54 | 9 7 | 13 2 | 5 28 | 5 44 | 13 22 | | n.a. |
| S 8 | 0 36 | 17 12 | 3 58 | 10 19 | 2 17 | 18 40 | 5 46 | 24 42 | 2 45 | 18 57 | 1 13 | 15 31 | 1 13 | 16 59 | 0 5 | 19 58 | 0 54 | 9 6 | 13 2 | 5 29 | 5 45 | 13 18 | | n.a. |
| M 9 | 0 11 | 21 52 | 4 38 | 9 49 | 2 15 | 18 47 | 5 46 | 24 35 | 2 42 | 18 55 | 1 13 | 15 32 | 1 13 | 17 0 | 0 5 | 19 58 | 0 54 | 9 5 | 13 1 | 5 30 | 5 46 | 13 15 | | n.a. |
| T 10 | 0s14 | 25 37 | 5 4 | 9 17 | 2 13 | 18 52 | 5 45 | 24 28 | 2 39 | 18 52 | 1 13 | 15 34 | 1 13 | 17 1 | 0 5 | 19 58 | 0 54 | 9 4 | 13 1 | 5 31 | 5 48 | 13 12 | | n.a. |
| W11 | 0 38 | 28 6 | 5 16 | 8 43 | 2 11 | 18 56 | 5 45 | 24 20 | 2 36 | 18 49 | 1 14 | 15 36 | 1 13 | 17 2 | 0 5 | 19 59 | 0 54 | 9 3 | 13 1 | 5 31 | 5 49 | 13 9 | | n.a. |
| T 12 | 1 3 | 29 4 | 5 11 | 8 8 | 2 8 | 18 59 | 5 43 | 24 13 | 2 33 | 18 46 | 1 14 | 15 38 | 1 13 | 17 3 | 0 5 | 19 59 | 0 54 | 9 2 | 13 1 | 5 31 | 5 50 | 13 6 | | n.a. |
| F 13 | 1 28 | 28 17 | 4 48 | 7 31 | 2 4 | 19 0 | 5 42 | 24 5 | 2 30 | 18 43 | 1 14 | 15 40 | 1 12 | 17 3 | 0 5 | 19 59 | 0 54 | 9 1 | 13 1 | 5 31 | 5 51 | 13 2 | | n.a. |
| S 14 | 1 52 | 25 42 | 4 8 | 6 53 | 2 0 | 19 1 | 5 39 | 23 58 | 2 27 | 18 41 | 1 14 | 15 42 | 1 12 | 17 4 | 0 5 | 20 0 | 0 54 | 9 0 | 13 1 | 5 31 | 5 53 | 12 59 | | n.a. |
| S 15 | 2 17 | 21 27 | 3 12 | 6 14 | 1 55 | 19 0 | 5 37 | 23 50 | 2 24 | 18 38 | 1 15 | 15 44 | 1 12 | 17 5 | 0 5 | 20 0 | 0 54 | 8 59 | 13 1 | 5 31 | 5 54 | 12 56 | | n.a. |
| M16 | 2 42 | 15 50 | 2 2 | 5 35 | 1 50 | 18 58 | 5 34 | 23 42 | 2 22 | 18 35 | 1 15 | 15 45 | 1 12 | 17 6 | 0 5 | 20 0 | 0 54 | 8 58 | 13 1 | 5 30 | 5 55 | 12 53 | | n.a. |
| T 17 | 3 6 | 9 14 | 0 43 | 4 54 | 1 45 | 18 55 | 5 30 | 23 34 | 2 19 | 18 33 | 1 15 | 15 47 | 1 12 | 17 7 | 0 5 | 20 1 | 0 54 | 8 57 | 13 1 | 5 30 | 5 56 | 12 50 | | n.a. |
| W18 | 3 31 | 2 4 | 0n39 | 4 13 | 1 40 | 18 50 | 5 26 | 23 26 | 2 16 | 18 30 | 1 15 | 15 49 | 1 12 | 17 8 | 0 5 | 20 1 | 0 54 | 8 56 | 13 1 | 5 30 | 5 58 | 12 47 | | n.a. |
| T 19 | 3 55 | 5n10 | 1 58 | 3 31 | 1 34 | 18 44 | 5 21 | 23 18 | 2 13 | 18 27 | 1 15 | 15 51 | 1 12 | 17 9 | 0 5 | 20 1 | 0 54 | 8 55 | 13 1 | 5 30 | 5 59 | 12 43 | | n.a. |
| F 20 | 4 20 | 12 3 | 3 9 | 2 49 | 1 28 | 18 36 | 5 15 | 23 10 | 2 11 | 18 25 | 1 16 | 15 53 | 1 11 | 17 10 | 0 5 | 20 2 | 0 54 | 8 54 | 13 1 | 5 31 | 6 0 | 12 40 | | n.a. |
| S 21 | 4 44 | 18 10 | 4 5 | 2 7 | 1 22 | 18 27 | 5 9 | 23 1 | 2 8 | 18 22 | 1 16 | 15 55 | 1 11 | 17 10 | 0 5 | 20 2 | 0 54 | 8 53 | 13 0 | 5 33 | 6 1 | 12 37 | | n.a. |
| S 22 | 5 9 | 23 7 | 4 46 | 1 24 | 1 16 | 18 16 | 5 3 | 22 53 | 2 6 | 18 20 | 1 16 | 15 57 | 1 11 | 17 11 | 0 5 | 20 3 | 0 54 | 8 52 | 13 0 | 5 34 | 6 3 | 12 34 | | n.a. |
| M23 | 5 33 | 26 39 | 5 8 | 0 41 | 1 10 | 18 4 | 4 55 | 22 45 | 2 3 | 18 17 | 1 16 | 15 59 | 1 11 | 17 12 | 0 5 | 20 3 | 0 54 | 8 51 | 13 0 | 5 36 | 6 4 | 12 30 | | n.a. |
| T 24 | 5 57 | 28 37 | 5 13 | 0s 2 | 1 3 | 17 51 | 4 47 | 22 36 | 2 0 | 18 15 | 1 17 | 16 1 | 1 11 | 17 13 | 0 5 | 20 3 | 0 54 | 8 50 | 13 0 | 5 37 | 6 5 | 12 27 | | n.a. |
| W25 | 6 21 | 28 58 | 5 3 | 0 46 | 0 57 | 17 36 | 4 39 | 22 27 | 1 58 | 18 12 | 1 17 | 16 3 | 1 11 | 17 14 | 0 5 | 20 4 | 0 54 | 8 49 | 13 0 | 5 38 | 6 6 | 12 24 | | n.a. |
| T 26 | 6 45 | 27 49 | 4 38 | 1 29 | 0 50 | 17 20 | 4 29 | 22 18 | 1 56 | 18 10 | 1 17 | 16 5 | 1 11 | 17 15 | 0 4 | 20 4 | 0 54 | 8 48 | 13 0 | 5 39 | 6 8 | 12 21 | | n.a. |
| F 27 | 7 9 | 25 22 | 4 1 | 2 13 | 0 44 | 17 2 | 4 20 | 22 9 | 1 53 | 18 7 | 1 17 | 16 7 | 1 11 | 17 16 | 0 4 | 20 4 | 0 54 | 8 47 | 13 0 | 5 38 | 6 9 | 12 18 | | n.a. |
| S 28 | 7 33 | 21 50 | 3 15 | 2 56 | 0 37 | 16 43 | 4 9 | 22 0 | 1 51 | 18 5 | 1 18 | 16 9 | 1 11 | 17 17 | 0 4 | 20 5 | 0 54 | 8 46 | 13 0 | 5 38 | 6 10 | 12 14 | | n.a. |
| S 29 | 7 56 | 17 28 | 2 20 | 3 39 | 0 30 | 16 23 | 3 58 | 21 51 | 1 48 | 18 3 | 1 18 | 16 11 | 1 10 | 17 18 | 0 4 | 20 5 | 0 54 | 8 45 | 13 0 | 5 37 | 6 11 | 12 11 | | n.a. |
| M30 | 8 20 | 12 28 | 1 20 | 4 23 | 0 24 | 16 1 | 3 46 | 21 42 | 1 46 | 18 0 | 1 18 | 16 13 | 1 10 | 17 19 | 0 4 | 20 6 | 0 54 | 8 44 | 13 0 | 5 37 | 6 13 | 12 8 | | n.a. |
| T 31 | 8s43 | 7n 1 | 0n16 | 5s 6 | 0n17 | 15s38 | 3s34 | 21s33 | 1s44 | 17n58 | 1n18 | 16s15 | 1n10 | 17s20 | 0n 4 | 20s 6 | 0n53 | 8n43 | 13n 0 | 5s36 | 6s14 | 12n 5 | | n.a. |

Julian Day Number = 1006171.5, Delta T = 12h45m24s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'23, Lahiri = -30°57'22 Julian Calendar 1 Oct. 1959 BCE == Greg. Calendar 14 Sept. 1959 BCE

The year -1958 astronomical counting style corresponds to year 1959 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## NOVEMBER 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 33 41 | 22♎58'30 | 25♍ 2 | 14♎52 | 1°R11 | 3♒35 | 14♌56 | 17♏30 | 17♏34 | 2♐ 0 | 7♎55 | 16°R 4 | 14♓25 | 1♍58 | n.a. | W 1 |
| T 2 | 1 37 38 | 23°59'48 | 7♎ 6 | 16°25 | 0♏37 | 4° 6 | 15° 4 | 17°37 | 17°38 | 2° 2 | 7°57 | 16♓ 1 | 14°22 | 2° 4 | n.a. | T 2 |
| F 3 | 1 41 35 | 25° 1'07 | 19°22 | 17°58 | 0° 2 | 4°36 | 15°12 | 17°44 | 17°41 | 2° 4 | 7°59 | 15°57 | 14°19 | 2°11 | n.a. | F 3 |
| S 4 | 1 45 31 | 26° 2'26 | 1♏50 | 19°32 | 29♎26 | 5° 7 | 15°20 | 17°50 | 17°44 | 2° 6 | 8° 2 | 15°51 | 14°16 | 2°18 | n.a. | S 4 |
| S 5 | 1 49 28 | 27° 3'46 | 14°31 | 21° 6 | 28°50 | 5°39 | 15°28 | 17°57 | 17°48 | 2° 7 | 8° 4 | 15°44 | 14°12 | 2°24 | n.a. | S 5 |
| M 6 | 1 53 24 | 28° 5'06 | 27°26 | 22°40 | 28°14 | 6°10 | 15°36 | 18° 4 | 17°51 | 2° 9 | 8° 6 | 15°36 | 14° 9 | 2°31 | n.a. | M 6 |
| T 7 | 1 57 21 | 29° 6'26 | 10♐33 | 24°14 | 27°37 | 6°42 | 15°43 | 18°11 | 17°55 | 2°11 | 8° 8 | 15°28 | 14° 6 | 2°38 | n.a. | T 7 |
| W 8 | 2 1 17 | 0♏ 7'46 | 23°52 | 25°48 | 27° 1 | 7°13 | 15°50 | 18°18 | 17°58 | 2°13 | 8°11 | 15°22 | 14° 3 | 2°44 | n.a. | W 8 |
| T 9 | 2 5 14 | 1° 9'06 | 7♑23 | 27°23 | 26°25 | 7°45 | 15°58 | 18°25 | 18° 1 | 2°15 | 8°13 | 15°17 | 14° 0 | 2°51 | n.a. | T 9 |
| F 10 | 2 9 10 | 2°10'27 | 21° 6 | 28°57 | 25°50 | 8°17 | 16° 5 | 18°31 | 18° 5 | 2°17 | 8°15 | 15°14 | 13°57 | 2°58 | n.a. | F 10 |
| S 11 | 2 13 7 | 3°11'47 | 5♒ 0 | 0♏32 | 25°16 | 8°49 | 16°12 | 18°38 | 18° 8 | 2°19 | 8°17 | 15°D14 | 13°53 | 3° 4 | n.a. | S 11 |
| S 12 | 2 17 4 | 4°13'07 | 19° 5 | 2° 7 | 24°43 | 9°22 | 16°18 | 18°45 | 18°12 | 2°21 | 8°20 | 15°15 | 13°50 | 3°11 | n.a. | S 12 |
| M13 | 2 21 0 | 5°14'26 | 3♓21 | 3°43 | 24°12 | 9°54 | 16°25 | 18°52 | 18°15 | 2°24 | 8°22 | 15°16 | 13°47 | 3°18 | n.a. | M13 |
| T 14 | 2 24 57 | 6°15'45 | 17°45 | 5°18 | 23°42 | 10°27 | 16°31 | 18°59 | 18°19 | 2°26 | 8°24 | 15°R16 | 13°44 | 3°24 | n.a. | T 14 |
| W15 | 2 28 53 | 7°17'04 | 2♈15 | 6°54 | 23°14 | 11° 0 | 16°38 | 19° 6 | 18°22 | 2°28 | 8°26 | 15°15 | 13°41 | 3°31 | n.a. | W15 |
| T 16 | 2 32 50 | 8°18'22 | 16°46 | 8°31 | 22°48 | 11°33 | 16°44 | 19°13 | 18°26 | 2°30 | 8°28 | 15°11 | 13°38 | 3°37 | n.a. | T 16 |
| F 17 | 2 36 46 | 9°19'41 | 1♉12 | 10° 7 | 22°24 | 12° 6 | 16°50 | 19°20 | 18°29 | 2°32 | 8°31 | 15° 5 | 13°34 | 3°44 | n.a. | F 17 |
| S 18 | 2 40 43 | 10°20'59 | 15°26 | 11°44 | 22° 2 | 12°39 | 16°56 | 19°27 | 18°33 | 2°34 | 8°33 | 14°57 | 13°31 | 3°51 | n.a. | S 18 |
| S 19 | 2 44 40 | 11°22'17 | 29°24 | 13°21 | 21°43 | 13°12 | 17° 1 | 19°34 | 18°37 | 2°36 | 8°35 | 14°47 | 13°28 | 3°57 | n.a. | S 19 |
| M20 | 2 48 36 | 12°23'35 | 13♊ 1 | 14°59 | 21°26 | 13°46 | 17° 7 | 19°41 | 18°40 | 2°38 | 8°37 | 14°37 | 13°25 | 4° 4 | n.a. | M20 |
| T 21 | 2 52 33 | 13°24'53 | 26°14 | 16°37 | 21°11 | 14°19 | 17°12 | 19°48 | 18°44 | 2°41 | 8°39 | 14°27 | 13°22 | 4°11 | n.a. | T 21 |
| W22 | 2 56 29 | 14°26'11 | 9♋ 4 | 18°15 | 20°59 | 14°53 | 17°18 | 19°55 | 18°47 | 2°43 | 8°41 | 14°19 | 13°18 | 4°17 | n.a. | W22 |
| T 23 | 3 0 26 | 15°27'29 | 21°32 | 19°53 | 20°49 | 15°27 | 17°23 | 20° 2 | 18°51 | 2°45 | 8°43 | 14°14 | 13°15 | 4°24 | n.a. | T 23 |
| F 24 | 3 4 22 | 16°28'46 | 3♌43 | 21°32 | 20°42 | 16° 1 | 17°28 | 20° 9 | 18°54 | 2°47 | 8°45 | 14°11 | 13°12 | 4°31 | n.a. | F 24 |
| S 25 | 3 8 19 | 17°30'03 | 15°40 | 23°12 | 20°38 | 16°35 | 17°32 | 20°17 | 18°58 | 2°49 | 8°47 | 14°D10 | 13° 9 | 4°37 | n.a. | S 25 |
| S 26 | 3 12 16 | 18°31'20 | 27°29 | 24°51 | 20°D36 | 17° 9 | 17°37 | 20°24 | 19° 2 | 2°52 | 8°49 | 14°10 | 13° 6 | 4°44 | n.a. | S 26 |
| M27 | 3 16 12 | 19°32'37 | 9♍16 | 26°31 | 20°36 | 17°43 | 17°41 | 20°31 | 19° 5 | 2°54 | 8°51 | 14°R11 | 13° 3 | 4°51 | n.a. | M27 |
| T 28 | 3 20 9 | 20°33'54 | 21° 7 | 28°12 | 20°39 | 18°17 | 17°45 | 20°38 | 19° 9 | 2°56 | 8°53 | 14°11 | 12°59 | 4°57 | n.a. | T 28 |
| W29 | 3 24 5 | 21°35'10 | 3♎ 5 | 29°52 | 20°44 | 18°52 | 17°50 | 20°45 | 19°12 | 2°58 | 8°55 | 14° 9 | 12°56 | 5° 4 | n.a. | W29 |
| T 30 | 3 28 2 | 22♏36'25 | 15♎16 | 1♐33 | 20♎52 | 19♒26 | 17♌53 | 20♏52 | 19♏16 | 3♐ 1 | 8♎57 | 14♓ 4 | 12♓53 | 5♍11 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 9s 6 | 1n16 | 0s49 | 5s49 | 0n10 | 15s15 | 3s21 | 21s23 | 1s41 | 17n56 | 1n19 | 16s17 | 1n10 | 17s21 | 0n 4 | 20s 6 | 0n53 | 8n42 | 13n 0 | 5s36 | 6s15 | 12n 1 | | n.a. |
| T 2 | 9 30 | 4s35 | 1 52 | 6 31 | 0 4 | 14 50 | 3 7 | 21 14 | 1 39 | 17 54 | 1 19 | 16 19 | 1 10 | 17 22 | 0 4 | 20 7 | 0 53 | 8 42 | 13 1 | 5 37 | 6 16 | 11 58 | | n.a. |
| F 3 | 9 52 | 10 21 | 2 51 | 7 14 | 0s 3 | 14 24 | 2 53 | 21 4 | 1 37 | 17 51 | 1 19 | 16 21 | 1 10 | 17 23 | 0 4 | 20 7 | 0 53 | 8 41 | 13 1 | 5 39 | 6 18 | 11 55 | | n.a. |
| S 4 | 10 15 | 15 49 | 3 43 | 7 56 | 0 10 | 13 58 | 2 39 | 20 54 | 1 35 | 17 49 | 1 19 | 16 23 | 1 10 | 17 24 | 0 4 | 20 8 | 0 53 | 8 40 | 13 1 | 5 41 | 6 19 | 11 52 | | n.a. |
| S 5 | 10 38 | 20 43 | 4 25 | 8 38 | 0 16 | 13 31 | 2 24 | 20 44 | 1 33 | 17 47 | 1 20 | 16 25 | 1 10 | 17 25 | 0 4 | 20 8 | 0 53 | 8 39 | 13 1 | 5 44 | 6 20 | 11 48 | | n.a. |
| M 6 | 11 0 | 24 44 | 4 53 | 9 20 | 0 22 | 13 4 | 2 9 | 20 34 | 1 31 | 17 45 | 1 20 | 16 27 | 1 10 | 17 26 | 0 4 | 20 8 | 0 53 | 8 38 | 13 1 | 5 47 | 6 21 | 11 45 | | n.a. |
| T 7 | 11 23 | 27 33 | 5 7 | 10 1 | 0 29 | 12 36 | 1 54 | 20 24 | 1 28 | 17 43 | 1 20 | 16 29 | 1 9 | 17 27 | 0 4 | 20 9 | 0 53 | 8 37 | 13 1 | 5 50 | 6 23 | 11 42 | | n.a. |
| W 8 | 11 45 | 28 51 | 5 5 | 10 42 | 0 35 | 12 9 | 1 39 | 20 14 | 1 26 | 17 41 | 1 20 | 16 31 | 1 9 | 17 28 | 0 4 | 20 9 | 0 53 | 8 36 | 13 1 | 5 53 | 6 24 | 11 39 | | n.a. |
| T 9 | 12 7 | 28 28 | 4 46 | 11 23 | 0 41 | 11 41 | 1 23 | 20 3 | 1 24 | 17 39 | 1 21 | 16 33 | 1 9 | 17 29 | 0 4 | 20 10 | 0 53 | 8 36 | 13 1 | 5 55 | 6 25 | 11 35 | | n.a. |
| F 10 | 12 28 | 26 21 | 4 11 | 12 3 | 0 47 | 11 13 | 1 8 | 19 53 | 1 22 | 17 37 | 1 21 | 16 35 | 1 9 | 17 30 | 0 4 | 20 10 | 0 53 | 8 35 | 13 1 | 5 56 | 6 26 | 11 32 | | n.a. |
| S 11 | 12 50 | 22 38 | 3 20 | 12 43 | 0 53 | 10 46 | 0 52 | 19 42 | 1 20 | 17 35 | 1 21 | 16 37 | 1 9 | 17 31 | 0 4 | 20 11 | 0 53 | 8 34 | 13 1 | 5 56 | 6 28 | 11 29 | | n.a. |
| S 12 | 13 11 | 17 33 | 2 16 | 13 22 | 0 59 | 10 20 | 0 36 | 19 32 | 1 18 | 17 34 | 1 21 | 16 39 | 1 9 | 17 32 | 0 4 | 20 11 | 0 53 | 8 33 | 13 1 | 5 56 | 6 29 | 11 26 | | n.a. |
| M13 | 13 32 | 11 28 | 1 4 | 14 1 | 1 4 | 9 54 | 0 21 | 19 21 | 1 16 | 17 32 | 1 22 | 16 41 | 1 9 | 17 33 | 0 4 | 20 12 | 0 53 | 8 33 | 13 1 | 5 55 | 6 30 | 11 22 | | n.a. |
| T 14 | 13 53 | 4 44 | 0n13 | 14 39 | 1 10 | 9 28 | 0 6 | 19 10 | 1 14 | 17 30 | 1 22 | 16 43 | 1 9 | 17 34 | 0 4 | 20 12 | 0 53 | 8 32 | 13 2 | 5 55 | 6 31 | 11 19 | | n.a. |
| W15 | 14 13 | 2n17 | 1 30 | 15 16 | 1 15 | 9 4 | 0n 9 | 18 59 | 1 13 | 17 28 | 1 22 | 16 45 | 1 9 | 17 35 | 0 4 | 20 12 | 0 53 | 8 31 | 13 2 | 5 56 | 6 33 | 11 16 | | n.a. |
| T 16 | 14 33 | 9 11 | 2 41 | 15 53 | 1 20 | 8 40 | 0 24 | 18 48 | 1 11 | 17 27 | 1 23 | 16 47 | 1 9 | 17 36 | 0 4 | 20 13 | 0 53 | 8 30 | 13 2 | 5 57 | 6 34 | 11 13 | | n.a. |
| F 17 | 14 53 | 15 34 | 3 41 | 16 29 | 1 25 | 8 18 | 0 38 | 18 37 | 1 9 | 17 25 | 1 23 | 16 49 | 1 8 | 17 37 | 0 4 | 20 13 | 0 53 | 8 30 | 13 2 | 6 0 | 6 35 | 11 9 | | n.a. |
| S 18 | 15 13 | 21 1 | 4 26 | 17 4 | 1 29 | 7 57 | 0 52 | 18 25 | 1 7 | 17 24 | 1 23 | 16 51 | 1 8 | 17 38 | 0 4 | 20 14 | 0 53 | 8 29 | 13 2 | 6 3 | 6 36 | 11 6 | | n.a. |
| S 19 | 15 33 | 25 12 | 4 54 | 17 39 | 1 34 | 7 37 | 1 5 | 18 14 | 1 5 | 17 22 | 1 24 | 16 53 | 1 8 | 17 39 | 0 4 | 20 14 | 0 53 | 8 28 | 13 2 | 6 7 | 6 38 | 11 3 | | n.a. |
| M20 | 15 52 | 27 51 | 5 5 | 18 13 | 1 38 | 7 18 | 1 19 | 18 2 | 1 4 | 17 21 | 1 24 | 16 55 | 1 8 | 17 40 | 0 4 | 20 15 | 0 53 | 8 28 | 13 2 | 6 11 | 6 39 | 11 0 | | n.a. |
| T 21 | 16 11 | 28 50 | 4 59 | 18 46 | 1 42 | 7 1 | 1 31 | 17 51 | 1 2 | 17 19 | 1 24 | 16 57 | 1 8 | 17 41 | 0 4 | 20 15 | 0 53 | 8 27 | 13 3 | 6 14 | 6 40 | 10 56 | | n.a. |
| W22 | 16 30 | 28 13 | 4 37 | 19 18 | 1 46 | 6 45 | 1 43 | 17 39 | 1 0 | 17 18 | 1 24 | 16 59 | 1 8 | 17 42 | 0 4 | 20 16 | 0 53 | 8 26 | 13 3 | 6 17 | 6 41 | 10 53 | | n.a. |
| T 23 | 16 48 | 26 10 | 4 3 | 19 49 | 1 49 | 6 31 | 1 55 | 17 27 | 0 58 | 17 17 | 1 25 | 17 1 | 1 8 | 17 43 | 0 4 | 20 16 | 0 53 | 8 26 | 13 3 | 6 20 | 6 43 | 10 50 | | n.a. |
| F 24 | 17 6 | 22 56 | 3 19 | 20 19 | 1 52 | 6 18 | 2 6 | 17 15 | 0 57 | 17 15 | 1 25 | 17 3 | 1 8 | 17 44 | 0 4 | 20 16 | 0 53 | 8 25 | 13 3 | 6 21 | 6 44 | 10 46 | | n.a. |
| S 25 | 17 24 | 18 47 | 2 26 | 20 48 | 1 55 | 6 6 | 2 17 | 17 3 | 0 55 | 17 14 | 1 25 | 17 5 | 1 8 | 17 45 | 0 4 | 20 17 | 0 53 | 8 24 | 13 3 | 6 21 | 6 45 | 10 43 | | n.a. |
| S 26 | 17 41 | 13 58 | 1 28 | 21 15 | 1 57 | 5 56 | 2 27 | 16 51 | 0 53 | 17 13 | 1 26 | 17 7 | 1 8 | 17 46 | 0 4 | 20 17 | 0 53 | 8 24 | 13 4 | 6 21 | 6 46 | 10 40 | | n.a. |
| M27 | 17 58 | 8 39 | 0 26 | 21 42 | 1 59 | 5 48 | 2 36 | 16 39 | 0 52 | 17 12 | 1 26 | 17 9 | 1 8 | 17 47 | 0 4 | 20 18 | 0 53 | 8 23 | 13 4 | 6 21 | 6 48 | 10 37 | | n.a. |
| T 28 | 18 15 | 3 2 | 0s37 | 22 7 | 2 1 | 5 40 | 2 46 | 16 27 | 0 50 | 17 11 | 1 26 | 17 11 | 1 8 | 17 48 | 0 4 | 20 18 | 0 53 | 8 23 | 13 4 | 6 21 | 6 49 | 10 33 | | n.a. |
| W29 | 18 31 | 2s45 | 1 39 | 22 31 | 2 2 | 5 34 | 2 54 | 16 14 | 0 49 | 17 10 | 1 27 | 17 13 | 1 8 | 17 49 | 0 4 | 20 19 | 0 53 | 8 22 | 13 4 | 6 22 | 6 50 | 10 30 | | n.a. |
| T 30 | 18s48 | 8s32 | 2s37 | 22s53 | 2s 3 | 5s30 | 3n 2 | 16s 2 | 0s47 | 17n 9 | 1n27 | 17s15 | 1n 8 | 17s50 | 0n 4 | 20s19 | 0n53 | 8n22 | 13n 4 | 6s23 | 6s51 | 10n27 | | n.a. |

Julian Day Number = 1006202.5, Delta T = 12h45m22s
Ecliptic obliquity = 23°55'21, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'18, Lahiri = -30°57'18 Julian Calendar 1 Nov. 1959 BCE == Greg. Calendar 15 Oct. 1959 BCE


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# ASTRODIENST EPHEMERIS for the year 1959 BCE
# geocentric

## DECEMBER 1959 BCE (-1958) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 31 58 | 23♏37'40 | 27♎42 | 3♐14 | 21♎ 2 | 20♒ 1 | 17♌57 | 20♏59 | 19♏19 | 3♐ 3 | 8♎59 | 13°R57 | 12♓50 | 5♍17 | n.a. | F 1 |
| S 2 | 3 35 55 | 24°38'55 | 10♏26 | 4°55 | 21°14 | 20°35 | 18° 1 | 21° 6 | 19°23 | 3° 5 | 9° 0 | 13♓47 | 12°47 | 5°24 | n.a. | S 2 |
| S 3 | 3 39 51 | 25°40'09 | 23°27 | 6°36 | 21°28 | 21°10 | 18° 4 | 21°13 | 19°27 | 3° 7 | 9° 2 | 13°35 | 12°44 | 5°31 | n.a. | S 3 |
| M 4 | 3 43 48 | 26°41'22 | 6♐45 | 8°17 | 21°44 | 21°45 | 18° 7 | 21°20 | 19°30 | 3°10 | 9° 4 | 13°23 | 12°40 | 5°37 | n.a. | M 4 |
| T 5 | 3 47 45 | 27°42'34 | 20°18 | 9°58 | 22° 3 | 22°20 | 18°10 | 21°27 | 19°34 | 3°12 | 9° 6 | 13°10 | 12°37 | 5°44 | n.a. | T 5 |
| W 6 | 3 51 41 | 28°43'46 | 4♑ 3 | 11°38 | 22°23 | 22°55 | 18°13 | 21°34 | 19°37 | 3°14 | 9° 7 | 12°59 | 12°34 | 5°50 | n.a. | W 6 |
| T 7 | 3 55 38 | 29°44'56 | 17°55 | 13°18 | 22°45 | 23°30 | 18°15 | 21°41 | 19°41 | 3°16 | 9° 9 | 12°51 | 12°31 | 5°57 | n.a. | T 7 |
| F 8 | 3 59 34 | 0♐46'05 | 1♒53 | 14°57 | 23°10 | 24° 5 | 18°18 | 21°49 | 19°44 | 3°19 | 9°11 | 12°45 | 12°28 | 6° 4 | n.a. | F 8 |
| S 9 | 4 3 31 | 1°47'13 | 15°55 | 16°34 | 23°35 | 24°41 | 18°20 | 21°56 | 19°48 | 3°21 | 9°13 | 12°42 | 12°24 | 6°10 | n.a. | S 9 |
| S 10 | 4 7 27 | 2°48'19 | 29°58 | 18°11 | 24° 3 | 25°16 | 18°22 | 22° 3 | 19°51 | 3°23 | 9°14 | 12°D42 | 12°21 | 6°17 | n.a. | S 10 |
| M11 | 4 11 24 | 3°49'24 | 14♓ 3 | 19°46 | 24°32 | 25°51 | 18°24 | 22°10 | 19°55 | 3°25 | 9°16 | 12°R42 | 12°18 | 6°24 | n.a. | M11 |
| T 12 | 4 15 21 | 4°50'28 | 28° 8 | 21°18 | 25° 3 | 26°27 | 18°26 | 22°17 | 19°58 | 3°28 | 9°17 | 12°41 | 12°15 | 6°30 | n.a. | T 12 |
| W13 | 4 19 17 | 5°51'30 | 12♈13 | 22°48 | 25°35 | 27° 3 | 18°27 | 22°23 | 20° 2 | 3°30 | 9°19 | 12°38 | 12°12 | 6°37 | n.a. | W13 |
| T 14 | 4 23 14 | 6°52'30 | 26°16 | 24°15 | 26° 9 | 27°38 | 18°29 | 22°30 | 20° 5 | 3°32 | 9°20 | 12°33 | 12° 9 | 6°44 | n.a. | T 14 |
| F 15 | 4 27 10 | 7°53'30 | 10♉14 | 25°38 | 26°44 | 28°14 | 18°30 | 22°37 | 20° 9 | 3°35 | 9°22 | 12°25 | 12° 5 | 6°50 | n.a. | F 15 |
| S 16 | 4 31 7 | 8°54'28 | 24° 4 | 26°56 | 27°21 | 28°49 | 18°31 | 22°44 | 20°12 | 3°37 | 9°23 | 12°14 | 12° 2 | 6°57 | n.a. | S 16 |
| S 17 | 4 35 3 | 9°55'24 | 7♊41 | 28°10 | 27°58 | 29°25 | 18°31 | 22°51 | 20°16 | 3°39 | 9°25 | 12° 1 | 11°59 | 7° 4 | n.a. | S 17 |
| M18 | 4 39 0 | 10°56'20 | 21° 3 | 29°17 | 28°37 | 0♓ 1 | 18°32 | 22°58 | 20°19 | 3°41 | 9°26 | 11°47 | 11°56 | 7°10 | n.a. | M18 |
| T 19 | 4 42 57 | 11°57'14 | 4♋ 6 | 0♑18 | 29°18 | 0°37 | 18°32 | 23° 5 | 20°22 | 3°44 | 9°28 | 11°35 | 11°53 | 7°17 | n.a. | T 19 |
| W20 | 4 46 53 | 12°58'07 | 16°51 | 1°12 | 29°59 | 1°13 | 18°R32 | 23°12 | 20°26 | 3°46 | 9°29 | 11°24 | 11°50 | 7°24 | n.a. | W20 |
| T 21 | 4 50 50 | 13°58'58 | 29°17 | 1°57 | 0♏42 | 1°49 | 18°32 | 23°19 | 20°29 | 3°48 | 9°30 | 11°15 | 11°46 | 7°30 | n.a. | T 21 |
| F 22 | 4 54 46 | 14°59'49 | 11♌27 | 2°33 | 1°25 | 2°25 | 18°32 | 23°25 | 20°32 | 3°50 | 9°32 | 11°10 | 11°43 | 7°37 | n.a. | F 22 |
| S 23 | 4 58 43 | 16° 0'38 | 23°25 | 3° 0 | 2°10 | 3° 1 | 18°32 | 23°32 | 20°36 | 3°53 | 9°33 | 11° 7 | 11°40 | 7°43 | n.a. | S 23 |
| S 24 | 5 2 39 | 17° 1'25 | 5♍15 | 3°16 | 2°56 | 3°37 | 18°31 | 23°39 | 20°39 | 3°55 | 9°34 | 11° 6 | 11°37 | 7°50 | n.a. | S 24 |
| M25 | 5 6 36 | 18° 2'12 | 17° 2 | 3°R22 | 3°42 | 4°13 | 18°30 | 23°45 | 20°42 | 3°57 | 9°35 | 11° 6 | 11°34 | 7°57 | n.a. | M25 |
| T 26 | 5 10 32 | 19° 2'57 | 28°53 | 3°17 | 4°30 | 4°49 | 18°29 | 23°52 | 20°46 | 3°59 | 9°36 | 11° 5 | 11°30 | 8° 3 | n.a. | T 26 |
| W27 | 5 14 29 | 20° 3'41 | 10♎52 | 3° 1 | 5°18 | 5°26 | 18°28 | 23°59 | 20°49 | 4° 2 | 9°38 | 11° 4 | 11°27 | 8°10 | n.a. | W27 |
| T 28 | 5 18 26 | 21° 4'23 | 23° 5 | 2°35 | 6° 7 | 6° 2 | 18°27 | 24° 5 | 20°52 | 4° 4 | 9°39 | 11° 0 | 11°24 | 8°17 | n.a. | T 28 |
| F 29 | 5 22 22 | 22° 5'04 | 5♏36 | 1°58 | 6°57 | 6°38 | 18°25 | 24°12 | 20°55 | 4° 6 | 9°40 | 10°53 | 11°21 | 8°23 | n.a. | F 29 |
| S 30 | 5 26 19 | 23° 5'44 | 18°29 | 1°13 | 7°48 | 7°15 | 18°23 | 24°18 | 20°58 | 4° 8 | 9°41 | 10°44 | 11°18 | 8°30 | n.a. | S 30 |
| S 31 | 5 30 15 | 24♐ 6'22 | 1♐44 | 0♑20 | 8♏39 | 7♓51 | 18♌22 | 24♏25 | 21♏ 2 | 4♐10 | 9♎42 | 10♓33 | 11♓15 | 8♍37 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 19s 3 | 14s 7 | 3s30 | 23s14 | 2s 3 | 5s26 | 3n10 | 15s49 | 0s46 | 17n 8 | 1n27 | 17s17 | 1n 7 | 17s51 | 0n 4 | 20s20 | 0n53 | 8n21 | 13n 5 | 6s26 | 6s52 | 10n23 | | n.a. |
| S 2 | 19 19 | 19 14 | 4 12 | 23 34 | 2 3 | 5 24 | 3 17 | 15 37 | 0 44 | 17 8 | 1 28 | 17 19 | 1 7 | 17 52 | 0 4 | 20 20 | 0 53 | 8 20 | 13 5 | 6 30 | 6 54 | 10 20 | | n.a. |
| S 3 | 19 34 | 23 34 | 4 43 | 23 51 | 2 2 | 5 24 | 3 24 | 15 24 | 0 43 | 17 7 | 1 28 | 17 21 | 1 7 | 17 53 | 0 4 | 20 21 | 0 53 | 8 20 | 13 5 | 6 35 | 6 55 | 10 17 | | n.a. |
| M 4 | 19 48 | 26 47 | 4 59 | 24 7 | 2 1 | 5 24 | 3 30 | 15 11 | 0 41 | 17 6 | 1 28 | 17 23 | 1 7 | 17 54 | 0 4 | 20 21 | 0 53 | 8 20 | 13 5 | 6 40 | 6 56 | 10 13 | | n.a. |
| T 5 | 20 3 | 28 31 | 4 59 | 24 21 | 1 59 | 5 25 | 3 36 | 14 58 | 0 40 | 17 5 | 1 28 | 17 25 | 1 7 | 17 55 | 0 4 | 20 21 | 0 53 | 8 19 | 13 6 | 6 45 | 6 57 | 10 10 | | n.a. |
| W 6 | 20 17 | 28 33 | 4 41 | 24 33 | 1 56 | 5 28 | 3 41 | 14 45 | 0 38 | 17 5 | 1 29 | 17 27 | 1 7 | 17 56 | 0 4 | 20 22 | 0 53 | 8 19 | 13 6 | 6 49 | 6 59 | 10 7 | | n.a. |
| T 7 | 20 30 | 26 46 | 4 7 | 24 43 | 1 53 | 5 32 | 3 46 | 14 32 | 0 37 | 17 4 | 1 29 | 17 28 | 1 7 | 17 57 | 0 4 | 20 22 | 0 53 | 8 18 | 13 6 | 6 52 | 7 0 | 10 3 | | n.a. |
| F 8 | 20 43 | 23 21 | 3 18 | 24 51 | 1 49 | 5 37 | 3 51 | 14 19 | 0 35 | 17 4 | 1 29 | 17 30 | 1 7 | 17 58 | 0 4 | 20 23 | 0 53 | 8 18 | 13 6 | 6 54 | 7 1 | 10 0 | | n.a. |
| S 9 | 20 56 | 18 33 | 2 17 | 24 58 | 1 44 | 5 42 | 3 55 | 14 5 | 0 34 | 17 3 | 1 30 | 17 32 | 1 7 | 17 59 | 0 4 | 20 23 | 0 53 | 8 17 | 13 7 | 6 55 | 7 2 | 9 57 | | n.a. |
| S 10 | 21 8 | 12 45 | 1 7 | 25 1 | 1 39 | 5 49 | 3 59 | 13 52 | 0 33 | 17 3 | 1 30 | 17 34 | 1 7 | 18 0 | 0 4 | 20 24 | 0 53 | 8 17 | 13 7 | 6 56 | 7 4 | 9 54 | | n.a. |
| M11 | 21 20 | 6 17 | 0n 7 | 25 3 | 1 32 | 5 57 | 4 2 | 13 39 | 0 31 | 17 3 | 1 30 | 17 36 | 1 7 | 18 1 | 0 4 | 20 24 | 0 53 | 8 17 | 13 7 | 6 56 | 7 5 | 9 50 | | n.a. |
| T 12 | 21 32 | 0n29 | 1 21 | 25 3 | 1 25 | 6 5 | 4 6 | 13 25 | 0 30 | 17 3 | 1 31 | 17 38 | 1 7 | 18 1 | 0 4 | 20 25 | 0 53 | 8 16 | 13 8 | 6 56 | 7 6 | 9 47 | | n.a. |
| W13 | 21 43 | 7 12 | 2 29 | 25 0 | 1 17 | 6 14 | 4 8 | 13 11 | 0 29 | 17 2 | 1 31 | 17 40 | 1 7 | 18 2 | 0 4 | 20 25 | 0 53 | 8 16 | 13 8 | 6 57 | 7 7 | 9 44 | | n.a. |
| T 14 | 21 54 | 13 34 | 3 28 | 24 55 | 1 8 | 6 24 | 4 11 | 12 58 | 0 27 | 17 2 | 1 31 | 17 42 | 1 7 | 18 3 | 0 4 | 20 26 | 0 53 | 8 16 | 13 8 | 6 59 | 7 9 | 9 40 | | n.a. |
| F 15 | 22 4 | 19 12 | 4 15 | 24 49 | 0 58 | 6 35 | 4 13 | 12 44 | 0 26 | 17 2 | 1 32 | 17 43 | 1 7 | 18 4 | 0 4 | 20 26 | 0 53 | 8 15 | 13 8 | 7 2 | 7 10 | 9 37 | | n.a. |
| S 16 | 22 14 | 23 46 | 4 45 | 24 40 | 0 47 | 6 47 | 4 15 | 12 30 | 0 25 | 17 2 | 1 32 | 17 45 | 1 7 | 18 5 | 0 4 | 20 26 | 0 53 | 8 15 | 13 9 | 7 7 | 7 11 | 9 34 | | n.a. |
| S 17 | 22 23 | 26 57 | 4 59 | 24 29 | 0 34 | 6 59 | 4 16 | 12 16 | 0 23 | 17 2 | 1 32 | 17 47 | 1 7 | 18 6 | 0 4 | 20 27 | 0 53 | 8 15 | 13 9 | 7 12 | 7 12 | 9 30 | | n.a. |
| M18 | 22 32 | 28 32 | 4 56 | 24 16 | 0 21 | 7 12 | 4 18 | 12 2 | 0 22 | 17 3 | 1 33 | 17 49 | 1 7 | 18 7 | 0 4 | 20 27 | 0 53 | 8 14 | 13 9 | 7 17 | 7 14 | 9 27 | | n.a. |
| T 19 | 22 41 | 28 29 | 4 37 | 24 2 | 0 7 | 7 25 | 4 19 | 11 48 | 0 21 | 17 3 | 1 33 | 17 51 | 1 7 | 18 8 | 0 4 | 20 28 | 0 53 | 8 14 | 13 10 | 7 22 | 7 15 | 9 24 | | n.a. |
| W20 | 22 49 | 26 53 | 4 5 | 23 47 | 0n 8 | 7 39 | 4 19 | 11 34 | 0 20 | 17 3 | 1 33 | 17 52 | 1 7 | 18 9 | 0 4 | 20 28 | 0 53 | 8 14 | 13 10 | 7 26 | 7 16 | 9 20 | | n.a. |
| T 21 | 22 56 | 24 0 | 3 22 | 23 31 | 0 24 | 7 54 | 4 20 | 11 20 | 0 19 | 17 3 | 1 34 | 17 54 | 1 7 | 18 10 | 0 4 | 20 29 | 0 53 | 8 14 | 13 10 | 7 29 | 7 17 | 9 17 | | n.a. |
| F 22 | 23 3 | 20 6 | 2 30 | 23 13 | 0 40 | 8 9 | 4 20 | 11 6 | 0 17 | 17 4 | 1 34 | 17 56 | 1 7 | 18 11 | 0 4 | 20 29 | 0 53 | 8 13 | 13 11 | 7 31 | 7 18 | 9 14 | | n.a. |
| S 23 | 23 10 | 15 26 | 1 32 | 22 56 | 0 58 | 8 24 | 4 20 | 10 51 | 0 16 | 17 4 | 1 34 | 17 58 | 1 6 | 18 12 | 0 4 | 20 30 | 0 52 | 8 13 | 13 11 | 7 33 | 7 20 | 9 10 | | n.a. |
| S 24 | 23 16 | 10 15 | 0 31 | 22 37 | 1 15 | 8 40 | 4 20 | 10 37 | 0 15 | 17 5 | 1 35 | 17 59 | 1 6 | 18 13 | 0 4 | 20 30 | 0 52 | 8 13 | 13 11 | 7 33 | 7 21 | 9 7 | | n.a. |
| M25 | 23 22 | 4 44 | 0s31 | 22 19 | 1 33 | 8 57 | 4 19 | 10 22 | 0 14 | 17 5 | 1 35 | 18 1 | 1 6 | 18 14 | 0 4 | 20 30 | 0 52 | 8 13 | 13 12 | 7 33 | 7 22 | 9 4 | | n.a. |
| T 26 | 23 28 | 0s58 | 1 33 | 22 1 | 1 52 | 9 13 | 4 19 | 10 8 | 0 13 | 17 6 | 1 35 | 18 3 | 1 6 | 18 14 | 0 4 | 20 31 | 0 52 | 8 13 | 13 12 | 7 33 | 7 23 | 9 0 | | n.a. |
| W27 | 23 32 | 6 41 | 2 31 | 21 44 | 2 9 | 9 31 | 4 18 | 9 53 | 0 12 | 17 7 | 1 36 | 18 4 | 1 6 | 18 15 | 0 4 | 20 31 | 0 52 | 8 13 | 13 12 | 7 34 | 7 25 | 8 57 | | n.a. |
| T 28 | 23 37 | 12 17 | 3 23 | 21 27 | 2 27 | 9 48 | 4 17 | 9 39 | 0 11 | 17 7 | 1 36 | 18 6 | 1 6 | 18 16 | 0 4 | 20 32 | 0 52 | 8 13 | 13 13 | 7 35 | 7 26 | 8 53 | | n.a. |
| F 29 | 23 41 | 17 31 | 4 7 | 21 11 | 2 43 | 10 6 | 4 15 | 9 24 | 0 10 | 17 8 | 1 36 | 18 8 | 1 6 | 18 17 | 0 4 | 20 32 | 0 52 | 8 12 | 13 13 | 7 38 | 7 27 | 8 50 | | n.a. |
| S 30 | 23 44 | 22 8 | 4 39 | 20 57 | 2 58 | 10 23 | 4 14 | 9 9 | 0 9 | 17 9 | 1 37 | 18 9 | 1 6 | 18 18 | 0 4 | 20 32 | 0 52 | 8 12 | 13 13 | 7 41 | 7 28 | 8 47 | | n.a. |
| S 31 | 23s47 | 25s46 | 4s58 | 20s43 | 3n12 | 10s42 | 4n12 | 8s55 | 0s 7 | 17n10 | 1n37 | 18s11 | 1n 6 | 18s19 | 0n 4 | 20s33 | 0n52 | 8n12 | 13n14 | 7s46 | 7s30 | 8n43 | | n.a. |

Julian Day Number = 1006232.5, Delta T = 12h45m20s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'14, Lahiri = -30°57'14 Julian Calendar 1 Dec. 1959 BCE == Greg. Calendar 14 Nov. 1959 BCE

The year -1958 astronomical counting style corresponds to year 1959 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## JANUARY 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 34 12 | 25♐ 6'59 | 15♐21 | 29°R20 | 9♏31 | 8♓28 | 18°R19 | 24♏31 | 21♏ 5 | 4♐13 | 9♎43 | 10°R21 | 11♓11 | 8♍43 | n.a. | M 1 |
| T 2 | 5 38 8 | 26° 7'34 | 29°18 | 28♐16 | 10°24 | 9° 4 | 18♌17 | 24°38 | 21° 8 | 4°15 | 9°44 | 10♓ 8 | 11° 8 | 8°50 | n.a. | T 2 |
| W 3 | 5 42 5 | 27° 8'07 | 13♑29 | 27° 9 | 11°18 | 9°41 | 18°15 | 24°44 | 21°11 | 4°17 | 9°45 | 9°58 | 11° 5 | 8°57 | n.a. | W 3 |
| T 4 | 5 46 2 | 28° 8'39 | 27°49 | 26° 0 | 12°12 | 10°17 | 18°12 | 24°51 | 21°14 | 4°19 | 9°46 | 9°49 | 11° 2 | 9° 3 | n.a. | T 4 |
| F 5 | 5 49 58 | 29° 9'08 | 12♒13 | 24°53 | 13° 6 | 10°54 | 18° 9 | 24°57 | 21°17 | 4°21 | 9°46 | 9°44 | 10°59 | 9°10 | n.a. | F 5 |
| S 6 | 5 53 55 | 0♑ 9'35 | 26°34 | 23°47 | 14° 2 | 11°30 | 18° 6 | 25° 3 | 21°20 | 4°23 | 9°47 | 9°41 | 10°56 | 9°17 | n.a. | S 6 |
| S 7 | 5 57 51 | 1°10'00 | 10♓51 | 22°46 | 14°57 | 12° 7 | 18° 3 | 25° 9 | 21°23 | 4°25 | 9°48 | 9°D40 | 10°52 | 9°23 | n.a. | S 7 |
| M 8 | 6 1 48 | 2°10'23 | 25° 1 | 21°49 | 15°54 | 12°44 | 17°59 | 25°15 | 21°26 | 4°27 | 9°49 | 9°R41 | 10°49 | 9°30 | n.a. | M 8 |
| T 9 | 6 5 44 | 3°10'44 | 9♈ 2 | 20°58 | 16°50 | 13°20 | 17°56 | 25°22 | 21°29 | 4°29 | 9°49 | 9°41 | 10°46 | 9°36 | n.a. | T 9 |
| W10 | 6 9 41 | 4°11'02 | 22°54 | 20°14 | 17°48 | 13°57 | 17°52 | 25°28 | 21°32 | 4°31 | 9°50 | 9°39 | 10°43 | 9°43 | n.a. | W10 |
| T 11 | 6 13 37 | 5°11'18 | 6♉37 | 19°36 | 18°45 | 14°34 | 17°48 | 25°34 | 21°34 | 4°33 | 9°51 | 9°35 | 10°40 | 9°50 | n.a. | T 11 |
| F 12 | 6 17 34 | 6°11'32 | 20°11 | 19° 6 | 19°44 | 15°11 | 17°44 | 25°40 | 21°37 | 4°36 | 9°51 | 9°29 | 10°36 | 9°56 | n.a. | F 12 |
| S 13 | 6 21 31 | 7°11'44 | 3♊34 | 18°43 | 20°42 | 15°48 | 17°40 | 25°46 | 21°40 | 4°38 | 9°52 | 9°20 | 10°33 | 10° 3 | n.a. | S 13 |
| S 14 | 6 25 27 | 8°11'54 | 16°46 | 18°27 | 21°41 | 16°24 | 17°35 | 25°51 | 21°43 | 4°39 | 9°52 | 9° 9 | 10°30 | 10°10 | n.a. | S 14 |
| M15 | 6 29 24 | 9°12'01 | 29°45 | 18°19 | 22°41 | 17° 1 | 17°31 | 25°57 | 21°45 | 4°41 | 9°53 | 8°58 | 10°27 | 10°16 | n.a. | M15 |
| T 16 | 6 33 20 | 10°12'07 | 12♋31 | 18°D17 | 23°41 | 17°38 | 17°26 | 26° 3 | 21°48 | 4°43 | 9°53 | 8°48 | 10°24 | 10°23 | n.a. | T 16 |
| W17 | 6 37 17 | 11°12'10 | 25° 2 | 18°21 | 24°41 | 18°15 | 17°21 | 26° 9 | 21°51 | 4°45 | 9°54 | 8°39 | 10°21 | 10°30 | n.a. | W17 |
| T 18 | 6 41 13 | 12°12'12 | 7♌19 | 18°32 | 25°41 | 18°52 | 17°16 | 26°14 | 21°53 | 4°47 | 9°54 | 8°32 | 10°17 | 10°36 | n.a. | T 18 |
| F 19 | 6 45 10 | 13°12'11 | 19°24 | 18°48 | 26°42 | 19°29 | 17°11 | 26°20 | 21°56 | 4°49 | 9°54 | 8°27 | 10°14 | 10°43 | n.a. | F 19 |
| S 20 | 6 49 6 | 14°12'08 | 1♍20 | 19°10 | 27°44 | 20° 6 | 17° 6 | 26°25 | 21°58 | 4°51 | 9°55 | 8°25 | 10°11 | 10°50 | n.a. | S 20 |
| S 21 | 6 53 3 | 15°12'04 | 13° 9 | 19°37 | 28°45 | 20°43 | 17° 0 | 26°31 | 22° 1 | 4°53 | 9°55 | 8°D25 | 10° 8 | 10°56 | n.a. | S 21 |
| M22 | 6 56 59 | 16°11'57 | 24°56 | 20° 9 | 29°47 | 21°20 | 16°55 | 26°36 | 22° 3 | 4°55 | 9°55 | 8°26 | 10° 5 | 11° 3 | n.a. | M22 |
| T 23 | 7 0 56 | 17°11'49 | 6♎47 | 20°45 | 0♐50 | 21°57 | 16°49 | 26°42 | 22° 6 | 4°57 | 9°55 | 8°27 | 10° 2 | 11°10 | n.a. | T 23 |
| W24 | 7 4 53 | 18°11'39 | 18°45 | 21°25 | 1°52 | 22°34 | 16°43 | 26°47 | 22° 8 | 4°58 | 9°56 | 8°R28 | 9°58 | 11°16 | n.a. | W24 |
| T 25 | 7 8 49 | 19°11'27 | 0♏57 | 22° 9 | 2°55 | 23°11 | 16°37 | 26°52 | 22°11 | 5° 0 | 9°56 | 8°27 | 9°55 | 11°23 | n.a. | T 25 |
| F 26 | 7 12 46 | 20°11'13 | 13°28 | 22°56 | 3°58 | 23°48 | 16°31 | 26°57 | 22°13 | 5° 2 | 9°56 | 8°24 | 9°52 | 11°29 | n.a. | F 26 |
| S 27 | 7 16 42 | 21°10'57 | 26°21 | 23°47 | 5° 1 | 24°25 | 16°24 | 27° 3 | 22°15 | 5° 4 | 9°56 | 8°19 | 9°49 | 11°36 | n.a. | S 27 |
| S 28 | 7 20 39 | 22°10'40 | 9♐40 | 24°42 | 6° 5 | 25° 2 | 16°18 | 27° 8 | 22°17 | 5° 5 | 9°56 | 8°13 | 9°46 | 11°43 | n.a. | S 28 |
| M29 | 7 24 35 | 23°10'20 | 23°24 | 25°39 | 7° 9 | 25°39 | 16°12 | 27°13 | 22°20 | 5° 7 | 9°R56 | 8° 6 | 9°42 | 11°49 | n.a. | M29 |
| T 30 | 7 28 32 | 24° 9'59 | 7♑34 | 26°39 | 8°13 | 26°16 | 16° 5 | 27°17 | 22°22 | 5° 9 | 9°56 | 7°58 | 9°39 | 11°56 | n.a. | T 30 |
| W31 | 7 32 28 | 25♑ 9'35 | 22♑ 3 | 27♐41 | 9♐17 | 26♓53 | 15♌58 | 27♏22 | 22♏24 | 5♐10 | 9♎56 | 7♓52 | 9♓36 | 12♍ 3 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 23s50 | 28s 4 | 5s 0 | 20s31 | 3n24 | 11s 0 | 4n11 | 8s40 | 0s 6 | 17n11 | 1n37 | 18s13 | 1n 6 | 18s20 | 0n 4 | 20s33 | 0n52 | 8n12 | 13n14 | 7s50 | 7s31 | 8n40 | | | n.a. |
| T 2 | 23 52 | 28 40 | 4 45 | 20 20 | 3 34 | 11 18 | 4 9 | 8 25 | 0 5 | 17 12 | 1 38 | 18 14 | 1 6 | 18 20 | 0 4 | 20 34 | 0 52 | 8 12 | 13 14 | 7 55 | 7 32 | 8 37 | | | n.a. |
| W 3 | 23 53 | 27 24 | 4 12 | 20 11 | 3 42 | 11 37 | 4 7 | 8 10 | 0 4 | 17 13 | 1 38 | 18 16 | 1 6 | 18 21 | 0 4 | 20 34 | 0 52 | 8 12 | 13 15 | 7 59 | 7 33 | 8 33 | | | n.a. |
| T 4 | 23 54 | 24 19 | 3 23 | 20 4 | 3 48 | 11 56 | 4 5 | 7 55 | 0 3 | 17 14 | 1 38 | 18 17 | 1 6 | 18 22 | 0 4 | 20 35 | 0 52 | 8 12 | 13 15 | 8 2 | 7 34 | 8 30 | | | n.a. |
| F 5 | 23 55 | 19 43 | 2 20 | 19 58 | 3 51 | 12 15 | 4 2 | 7 40 | 0 2 | 17 15 | 1 39 | 18 19 | 1 6 | 18 23 | 0 4 | 20 35 | 0 52 | 8 12 | 13 16 | 8 5 | 7 36 | 8 27 | | | n.a. |
| S 6 | 23 55 | 13 59 | 1 9 | 19 55 | 3 52 | 12 34 | 4 0 | 7 25 | 0 1 | 17 17 | 1 39 | 18 21 | 1 6 | 18 24 | 0 4 | 20 35 | 0 52 | 8 12 | 13 16 | 8 6 | 7 37 | 8 23 | | | n.a. |
| S 7 | 23 55 | 7 33 | 0n 6 | 19 52 | 3 51 | 12 52 | 3 57 | 7 10 | 0 0 | 17 18 | 1 39 | 18 22 | 1 6 | 18 25 | 0 4 | 20 36 | 0 52 | 8 12 | 13 16 | 8 6 | 7 38 | 8 20 | | | n.a. |
| M 8 | 23 54 | 0 47 | 1 21 | 19 52 | 3 48 | 13 12 | 3 54 | 6 54 | 0n 1 | 17 19 | 1 39 | 18 24 | 1 6 | 18 25 | 0 4 | 20 36 | 0 52 | 8 12 | 13 17 | 8 6 | 7 39 | 8 17 | | | n.a. |
| T 9 | 23 53 | 5n56 | 2 30 | 19 54 | 3 43 | 13 31 | 3 52 | 6 39 | 0 1 | 17 21 | 1 40 | 18 25 | 1 6 | 18 26 | 0 4 | 20 36 | 0 52 | 8 12 | 13 17 | 8 6 | 7 41 | 8 13 | | | n.a. |
| W10 | 23 51 | 12 18 | 3 29 | 19 57 | 3 37 | 13 50 | 3 49 | 6 24 | 0 2 | 17 22 | 1 40 | 18 27 | 1 6 | 18 27 | 0 4 | 20 37 | 0 52 | 8 12 | 13 17 | 8 6 | 7 42 | 8 10 | | | n.a. |
| T 11 | 23 49 | 18 0 | 4 15 | 20 2 | 3 29 | 14 9 | 3 46 | 6 9 | 0 3 | 17 24 | 1 40 | 18 28 | 1 6 | 18 28 | 0 4 | 20 37 | 0 52 | 8 12 | 13 18 | 8 8 | 7 43 | 8 6 | | | n.a. |
| F 12 | 23 46 | 22 44 | 4 47 | 20 9 | 3 20 | 14 27 | 3 42 | 5 53 | 0 4 | 17 25 | 1 41 | 18 29 | 1 6 | 18 28 | 0 4 | 20 38 | 0 52 | 8 13 | 13 18 | 8 10 | 7 44 | 8 3 | | | n.a. |
| S 13 | 23 43 | 26 14 | 5 2 | 20 17 | 3 10 | 14 46 | 3 39 | 5 38 | 0 5 | 17 27 | 1 41 | 18 31 | 1 6 | 18 29 | 0 4 | 20 38 | 0 52 | 8 13 | 13 19 | 8 14 | 7 45 | 8 0 | | | n.a. |
| S 14 | 23 40 | 28 14 | 5 1 | 20 26 | 2 59 | 15 5 | 3 36 | 5 23 | 0 6 | 17 28 | 1 41 | 18 32 | 1 6 | 18 30 | 0 4 | 20 38 | 0 52 | 8 13 | 13 19 | 8 18 | 7 47 | 7 56 | | | n.a. |
| M15 | 23 36 | 28 39 | 4 44 | 20 36 | 2 48 | 15 24 | 3 32 | 5 7 | 0 7 | 17 30 | 1 41 | 18 34 | 1 6 | 18 31 | 0 4 | 20 39 | 0 52 | 8 13 | 13 19 | 8 22 | 7 48 | 7 53 | | | n.a. |
| T 16 | 23 31 | 27 31 | 4 13 | 20 48 | 2 37 | 15 42 | 3 29 | 4 52 | 0 8 | 17 32 | 1 42 | 18 35 | 1 6 | 18 31 | 0 4 | 20 39 | 0 52 | 8 13 | 13 20 | 8 26 | 7 49 | 7 50 | | | n.a. |
| W17 | 23 26 | 25 0 | 3 31 | 21 0 | 2 25 | 16 1 | 3 25 | 4 36 | 0 9 | 17 34 | 1 42 | 18 36 | 1 6 | 18 32 | 0 4 | 20 39 | 0 52 | 8 13 | 13 20 | 8 30 | 7 50 | 7 46 | | | n.a. |
| T 18 | 23 21 | 21 22 | 2 39 | 21 13 | 2 13 | 16 19 | 3 21 | 4 21 | 0 10 | 17 35 | 1 42 | 18 38 | 1 6 | 18 33 | 0 4 | 20 40 | 0 52 | 8 14 | 13 20 | 8 32 | 7 52 | 7 43 | | | n.a. |
| F 19 | 23 15 | 16 53 | 1 40 | 21 26 | 2 0 | 16 37 | 3 18 | 4 5 | 0 10 | 17 37 | 1 42 | 18 39 | 1 6 | 18 33 | 0 4 | 20 40 | 0 53 | 8 14 | 13 21 | 8 34 | 7 53 | 7 39 | | | n.a. |
| S 20 | 23 9 | 11 49 | 0 38 | 21 40 | 1 48 | 16 54 | 3 14 | 3 50 | 0 11 | 17 39 | 1 43 | 18 40 | 1 6 | 18 34 | 0 4 | 20 40 | 0 53 | 8 14 | 13 21 | 8 35 | 7 54 | 7 36 | | | n.a. |
| S 21 | 23 2 | 6 22 | 0s25 | 21 55 | 1 36 | 17 12 | 3 10 | 3 34 | 0 12 | 17 41 | 1 43 | 18 42 | 1 6 | 18 35 | 0 4 | 20 41 | 0 53 | 8 14 | 13 22 | 8 35 | 7 55 | 7 33 | | | n.a. |
| M22 | 22 55 | 0 43 | 1 28 | 22 9 | 1 24 | 17 29 | 3 6 | 3 18 | 0 13 | 17 43 | 1 43 | 18 43 | 1 6 | 18 35 | 0 4 | 20 41 | 0 53 | 8 14 | 13 22 | 8 34 | 7 57 | 7 29 | | | n.a. |
| T 23 | 22 47 | 4s59 | 2 27 | 22 24 | 1 12 | 17 46 | 3 2 | 3 3 | 0 14 | 17 45 | 1 43 | 18 44 | 1 6 | 18 36 | 0 4 | 20 41 | 0 53 | 8 15 | 13 22 | 8 34 | 7 58 | 7 26 | | | n.a. |
| W24 | 22 39 | 10 34 | 3 20 | 22 38 | 1 0 | 18 3 | 2 58 | 2 47 | 0 14 | 17 47 | 1 44 | 18 45 | 1 6 | 18 37 | 0 4 | 20 42 | 0 53 | 8 15 | 13 23 | 8 34 | 7 59 | 7 22 | | | n.a. |
| T 25 | 22 31 | 15 51 | 4 5 | 22 53 | 0 49 | 18 20 | 2 53 | 2 32 | 0 15 | 17 49 | 1 44 | 18 47 | 1 6 | 18 37 | 0 4 | 20 42 | 0 53 | 8 15 | 13 23 | 8 34 | 8 0 | 7 19 | | | n.a. |
| F 26 | 22 22 | 20 38 | 4 40 | 23 6 | 0 37 | 18 36 | 2 49 | 2 16 | 0 16 | 17 51 | 1 44 | 18 48 | 1 6 | 18 38 | 0 4 | 20 42 | 0 53 | 8 16 | 13 23 | 8 35 | 8 1 | 7 16 | | | n.a. |
| S 27 | 22 13 | 24 36 | 5 2 | 23 20 | 0 26 | 18 52 | 2 45 | 2 0 | 0 17 | 17 53 | 1 44 | 18 49 | 1 6 | 18 38 | 0 4 | 20 43 | 0 53 | 8 16 | 13 24 | 8 37 | 8 3 | 7 12 | | | n.a. |
| S 28 | 22 3 | 27 25 | 5 8 | 23 33 | 0 16 | 19 7 | 2 41 | 1 45 | 0 18 | 17 56 | 1 45 | 18 50 | 1 6 | 18 39 | 0 4 | 20 43 | 0 53 | 8 16 | 13 24 | 8 39 | 8 4 | 7 9 | | | n.a. |
| M29 | 21 53 | 28 42 | 4 58 | 23 46 | 0 5 | 19 22 | 2 36 | 1 29 | 0 18 | 17 58 | 1 45 | 18 51 | 1 6 | 18 40 | 0 4 | 20 43 | 0 53 | 8 17 | 13 25 | 8 42 | 8 5 | 7 5 | | | n.a. |
| T 30 | 21 43 | 28 10 | 4 29 | 23 58 | 0s 5 | 19 37 | 2 32 | 1 13 | 0 19 | 18 0 | 1 45 | 18 52 | 1 6 | 18 40 | 0 4 | 20 44 | 0 53 | 8 17 | 13 25 | 8 45 | 8 6 | 7 2 | | | n.a. |
| W31 | 21s32 | 25s44 | 3s42 | 24s 9 | 0s15 | 19s51 | 2n28 | 0s58 | 0n20 | 18n 2 | 1n45 | 18s54 | 1n 6 | 18s41 | 0n 4 | 20s44 | 0n53 | 8n17 | 13n25 | 8s47 | 8s 7 | 6n59 | | | n.a. |

Julian Day Number = 1006263.5, Delta T = 12h45m18s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'10, Lahiri = -30°57'10 Julian Calendar 1 Jan. 1958 BCE == Greg. Calendar 15 Dec. 1959 BCE

The year -1957 astronomical counting style corresponds to year 1958 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## FEBRUARY 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 36 25 | 26♉ 9'09 | 6♒46 | 28♐46 | 10♐22 | 27♓31 | 15°R51 | 27♏27 | 22♏26 | 5♐12 | 9°R56 | 7°R47 | 9♓33 | 12♍ 9 | n.a. | T 1 |
| F 2 | 7 40 22 | 27° 8'41 | 21°35 | 29°53 | 11°26 | 28° 8 | 15♌45 | 27°32 | 22°28 | 5°13 | 9♎56 | 7♓44 | 9°30 | 12°16 | n.a. | F 2 |
| S 3 | 7 44 18 | 28° 8'10 | 6♓22 | 1♉ 3 | 12°31 | 28°45 | 15°38 | 27°36 | 22°30 | 5°15 | 9°55 | 7°D43 | 9°27 | 12°23 | n.a. | S 3 |
| S 4 | 7 48 15 | 29° 7'37 | 21° 2 | 2°14 | 13°36 | 29°22 | 15°30 | 27°41 | 22°32 | 5°17 | 9°55 | 7°43 | 9°23 | 12°29 | n.a. | S 4 |
| M 5 | 7 52 11 | 0♒ 7'01 | 5♈28 | 3°28 | 14°42 | 29°59 | 15°23 | 27°45 | 22°34 | 5°18 | 9°55 | 7°44 | 9°20 | 12°36 | n.a. | M 5 |
| T 6 | 7 56 8 | 1° 6'23 | 19°39 | 4°43 | 15°47 | 0♈37 | 15°16 | 27°50 | 22°35 | 5°20 | 9°55 | 7°46 | 9°17 | 12°43 | n.a. | T 6 |
| W 7 | 8 0 4 | 2° 5'43 | 3♉32 | 6° 0 | 16°53 | 1°14 | 15° 9 | 27°54 | 22°37 | 5°21 | 9°54 | 7°R46 | 9°14 | 12°49 | n.a. | W 7 |
| T 8 | 8 4 1 | 3° 5'00 | 17° 9 | 7°20 | 17°59 | 1°51 | 15° 1 | 27°58 | 22°39 | 5°22 | 9°54 | 7°45 | 9°11 | 12°56 | n.a. | T 8 |
| F 9 | 8 7 57 | 4° 4'14 | 0♊29 | 8°40 | 19° 5 | 2°28 | 14°54 | 28° 3 | 22°41 | 5°24 | 9°54 | 7°43 | 9° 8 | 13° 2 | n.a. | F 9 |
| S 10 | 8 11 54 | 5° 3'26 | 13°34 | 10° 3 | 20°11 | 3° 5 | 14°46 | 28° 7 | 22°42 | 5°25 | 9°53 | 7°39 | 9° 4 | 13° 9 | n.a. | S 10 |
| S 11 | 8 15 50 | 6° 2'36 | 26°25 | 11°27 | 21°17 | 3°43 | 14°39 | 28°11 | 22°44 | 5°27 | 9°53 | 7°34 | 9° 1 | 13°16 | n.a. | S 11 |
| M12 | 8 19 47 | 7° 1'43 | 9♋ 3 | 12°53 | 22°23 | 4°20 | 14°31 | 28°15 | 22°45 | 5°28 | 9°52 | 7°29 | 8°58 | 13°22 | n.a. | M12 |
| T 13 | 8 23 44 | 8° 0'48 | 21°29 | 14°20 | 23°30 | 4°57 | 14°24 | 28°19 | 22°47 | 5°29 | 9°52 | 7°24 | 8°55 | 13°29 | n.a. | T 13 |
| W14 | 8 27 40 | 8°59'50 | 3♌44 | 15°49 | 24°37 | 5°34 | 14°16 | 28°22 | 22°48 | 5°30 | 9°51 | 7°19 | 8°52 | 13°36 | n.a. | W14 |
| T 15 | 8 31 37 | 9°58'50 | 15°50 | 17°20 | 25°44 | 6°12 | 14° 9 | 28°26 | 22°50 | 5°32 | 9°51 | 7°16 | 8°48 | 13°42 | n.a. | T 15 |
| F 16 | 8 35 33 | 10°57'48 | 27°47 | 18°51 | 26°51 | 6°49 | 14° 1 | 28°30 | 22°51 | 5°33 | 9°50 | 7°15 | 8°45 | 13°49 | n.a. | F 16 |
| S 17 | 8 39 30 | 11°56'44 | 9♍39 | 20°25 | 27°58 | 7°26 | 13°53 | 28°33 | 22°52 | 5°34 | 9°49 | 7°D14 | 8°42 | 13°56 | n.a. | S 17 |
| S 18 | 8 43 26 | 12°55'38 | 21°27 | 22° 0 | 29° 5 | 8° 3 | 13°45 | 28°37 | 22°54 | 5°35 | 9°49 | 7°15 | 8°39 | 14° 2 | n.a. | S 18 |
| M19 | 8 47 23 | 13°54'30 | 3♎14 | 23°36 | 0♉13 | 8°41 | 13°38 | 28°40 | 22°55 | 5°36 | 9°48 | 7°16 | 8°36 | 14° 9 | n.a. | M19 |
| T 20 | 8 51 19 | 14°53'19 | 15° 5 | 25°14 | 1°20 | 9°18 | 13°30 | 28°43 | 22°56 | 5°37 | 9°47 | 7°18 | 8°33 | 14°16 | n.a. | T 20 |
| W21 | 8 55 16 | 15°52'07 | 27° 4 | 26°53 | 2°28 | 9°55 | 13°22 | 28°47 | 22°57 | 5°39 | 9°47 | 7°20 | 8°29 | 14°22 | n.a. | W21 |
| T 22 | 8 59 12 | 16°50'53 | 9♏16 | 28°34 | 3°36 | 10°32 | 13°15 | 28°50 | 22°58 | 5°40 | 9°46 | 7°21 | 8°26 | 14°29 | n.a. | T 22 |
| F 23 | 9 3 9 | 17°49'37 | 21°44 | 0♒17 | 4°43 | 11°10 | 13° 7 | 28°53 | 22°59 | 5°41 | 9°45 | 7°R21 | 8°23 | 14°36 | n.a. | F 23 |
| S 24 | 9 7 6 | 18°48'20 | 4♐33 | 2° 0 | 5°51 | 11°47 | 12°59 | 28°56 | 23° 0 | 5°42 | 9°44 | 7°20 | 8°20 | 14°42 | n.a. | S 24 |
| S 25 | 9 11 2 | 19°47'00 | 17°48 | 3°46 | 7° 0 | 12°24 | 12°52 | 28°59 | 23° 1 | 5°42 | 9°43 | 7°19 | 8°17 | 14°49 | n.a. | S 25 |
| M26 | 9 14 59 | 20°45'39 | 1♉29 | 5°33 | 8° 8 | 13° 2 | 12°44 | 29° 1 | 23° 2 | 5°43 | 9°42 | 7°17 | 8°13 | 14°55 | n.a. | M26 |
| T 27 | 9 18 55 | 21°44'16 | 15°37 | 7°21 | 9°16 | 13°39 | 12°36 | 29° 4 | 23° 3 | 5°44 | 9°42 | 7°14 | 8°10 | 15° 2 | n.a. | T 27 |
| W28 | 9 22 52 | 22♒42'50 | 0♒10 | 9♒11 | 10♉24 | 14♈16 | 12♌29 | 29♏ 7 | 23♏ 4 | 5♐45 | 9♎41 | 7♓13 | 8♓ 7 | 15♍ 9 | n.a. | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21 s21 | 21 s32 | 2 s40 | 24 s19 | 0 s24 | 20 s 5 | 2n23 | 0 s42 | 0n20 | 18n 5 | 1n45 | 18 s55 | 1n 6 | 18 s41 | 0n 4 | 20 s44 | 0n53 | 8n18 | 13n26 | 8 s49 | 8 s 9 | 6n55 | | n.a. |
| F 2 | 21 9 | 15 57 | 1 27 | 24 28 | 0 33 | 20 19 | 2 19 | 0 26 | 0 21 | 18 7 | 1 46 | 18 56 | 1 6 | 18 42 | 0 4 | 20 44 | 0 53 | 8 18 | 13 26 | 8 50 | 8 10 | 6 52 | | n.a. |
| S 3 | 20 57 | 9 28 | 0 7 | 24 37 | 0 42 | 20 32 | 2 14 | 0 10 | 0 22 | 18 9 | 1 46 | 18 57 | 1 6 | 18 42 | 0 4 | 20 45 | 0 53 | 8 19 | 13 26 | 8 51 | 8 11 | 6 49 | | n.a. |
| S 4 | 20 45 | 2 32 | 1n12 | 24 44 | 0 50 | 20 45 | 2 10 | 0n 5 | 0 23 | 18 11 | 1 46 | 18 58 | 1 6 | 18 43 | 0 4 | 20 45 | 0 53 | 8 19 | 13 27 | 8 51 | 8 12 | 6 45 | | n.a. |
| M 5 | 20 32 | 4n26 | 2 25 | 24 51 | 0 58 | 20 57 | 2 5 | 0 21 | 0 23 | 18 14 | 1 46 | 18 59 | 1 6 | 18 43 | 0 4 | 20 45 | 0 53 | 8 19 | 13 27 | 8 50 | 8 14 | 6 42 | | n.a. |
| T 6 | 20 19 | 11 2 | 3 29 | 24 56 | 1 6 | 21 8 | 2 1 | 0 37 | 0 24 | 18 16 | 1 46 | 19 0 | 1 6 | 18 44 | 0 4 | 20 45 | 0 53 | 8 20 | 13 28 | 8 50 | 8 15 | 6 38 | | n.a. |
| W 7 | 20 5 | 16 59 | 4 18 | 25 0 | 1 13 | 21 20 | 1 56 | 0 52 | 0 25 | 18 18 | 1 46 | 19 1 | 1 6 | 18 44 | 0 4 | 20 46 | 0 53 | 8 20 | 13 28 | 8 49 | 8 16 | 6 35 | | n.a. |
| T 8 | 19 52 | 21 57 | 4 52 | 25 3 | 1 20 | 21 30 | 1 52 | 1 8 | 0 25 | 18 21 | 1 46 | 19 2 | 1 6 | 18 45 | 0 4 | 20 46 | 0 53 | 8 21 | 13 28 | 8 50 | 8 17 | 6 31 | | n.a. |
| F 9 | 19 38 | 25 42 | 5 9 | 25 4 | 1 26 | 21 41 | 1 47 | 1 24 | 0 26 | 18 23 | 1 47 | 19 3 | 1 7 | 18 45 | 0 4 | 20 46 | 0 53 | 8 21 | 13 29 | 8 51 | 8 18 | 6 28 | | n.a. |
| S 10 | 19 23 | 28 1 | 5 10 | 25 4 | 1 32 | 21 50 | 1 43 | 1 40 | 0 27 | 18 26 | 1 47 | 19 4 | 1 7 | 18 46 | 0 4 | 20 46 | 0 53 | 8 22 | 13 29 | 8 52 | 8 20 | 6 25 | | n.a. |
| S 11 | 19 8 | 28 48 | 4 55 | 25 3 | 1 38 | 22 0 | 1 38 | 1 55 | 0 27 | 18 28 | 1 47 | 19 4 | 1 7 | 18 46 | 0 4 | 20 47 | 0 53 | 8 22 | 13 29 | 8 54 | 8 21 | 6 21 | | n.a. |
| M12 | 18 53 | 28 2 | 4 26 | 25 0 | 1 43 | 22 8 | 1 34 | 2 11 | 0 28 | 18 30 | 1 47 | 19 5 | 1 7 | 18 46 | 0 4 | 20 47 | 0 53 | 8 23 | 13 30 | 8 56 | 8 22 | 6 18 | | n.a. |
| T 13 | 18 38 | 25 52 | 3 45 | 24 56 | 1 48 | 22 16 | 1 29 | 2 27 | 0 29 | 18 33 | 1 47 | 19 6 | 1 7 | 18 47 | 0 4 | 20 47 | 0 53 | 8 23 | 13 30 | 8 58 | 8 23 | 6 14 | | n.a. |
| W14 | 18 22 | 22 31 | 2 54 | 24 50 | 1 53 | 22 24 | 1 25 | 2 42 | 0 29 | 18 35 | 1 47 | 19 7 | 1 7 | 18 47 | 0 4 | 20 47 | 0 53 | 8 24 | 13 30 | 9 0 | 8 25 | 6 11 | | n.a. |
| T 15 | 18 6 | 18 14 | 1 55 | 24 42 | 1 57 | 22 31 | 1 20 | 2 58 | 0 30 | 18 37 | 1 47 | 19 8 | 1 7 | 18 48 | 0 4 | 20 48 | 0 53 | 8 24 | 13 31 | 9 1 | 8 26 | 6 8 | | n.a. |
| F 16 | 17 50 | 13 17 | 0 52 | 24 33 | 2 0 | 22 37 | 1 16 | 3 13 | 0 30 | 18 40 | 1 47 | 19 9 | 1 7 | 18 48 | 0 4 | 20 48 | 0 53 | 8 25 | 13 31 | 9 1 | 8 27 | 6 4 | | n.a. |
| S 17 | 17 33 | 7 54 | 0 s13 | 24 22 | 2 3 | 22 43 | 1 11 | 3 29 | 0 31 | 18 42 | 1 47 | 19 9 | 1 7 | 18 48 | 0 4 | 20 48 | 0 53 | 8 25 | 13 31 | 9 2 | 8 28 | 6 1 | | n.a. |
| S 18 | 17 16 | 2 17 | 1 17 | 24 9 | 2 6 | 22 48 | 1 7 | 3 44 | 0 32 | 18 44 | 1 47 | 19 10 | 1 7 | 18 49 | 0 4 | 20 48 | 0 53 | 8 26 | 13 32 | 9 1 | 8 29 | 5 57 | | n.a. |
| M19 | 16 59 | 3 s25 | 2 18 | 23 55 | 2 8 | 22 53 | 1 3 | 4 0 | 0 32 | 18 47 | 1 47 | 19 11 | 1 7 | 18 49 | 0 4 | 20 48 | 0 53 | 8 26 | 13 32 | 9 1 | 8 31 | 5 54 | | n.a. |
| T 20 | 16 42 | 9 2 | 3 14 | 23 39 | 2 10 | 22 57 | 0 58 | 4 15 | 0 33 | 18 49 | 1 47 | 19 12 | 1 7 | 18 49 | 0 4 | 20 49 | 0 53 | 8 27 | 13 32 | 9 0 | 8 32 | 5 51 | | n.a. |
| W21 | 16 24 | 14 22 | 4 1 | 23 20 | 2 11 | 23 0 | 0 54 | 4 31 | 0 33 | 18 51 | 1 47 | 19 12 | 1 7 | 18 50 | 0 4 | 20 49 | 0 53 | 8 28 | 13 33 | 9 0 | 8 33 | 5 47 | | n.a. |
| T 22 | 16 6 | 19 16 | 4 39 | 23 1 | 2 12 | 23 3 | 0 49 | 4 46 | 0 34 | 18 54 | 1 48 | 19 13 | 1 7 | 18 50 | 0 4 | 20 49 | 0 53 | 8 28 | 13 33 | 8 59 | 8 34 | 5 44 | | n.a. |
| F 23 | 15 48 | 23 27 | 5 4 | 22 39 | 2 12 | 23 5 | 0 45 | 5 2 | 0 35 | 18 56 | 1 48 | 19 14 | 1 7 | 18 50 | 0 4 | 20 49 | 0 53 | 8 29 | 13 33 | 8 59 | 8 35 | 5 40 | | n.a. |
| S 24 | 15 29 | 26 39 | 5 16 | 22 15 | 2 12 | 23 7 | 0 41 | 5 17 | 0 35 | 18 58 | 1 48 | 19 14 | 1 7 | 18 50 | 0 4 | 20 49 | 0 53 | 8 29 | 13 33 | 8 59 | 8 37 | 5 37 | | n.a. |
| S 25 | 15 11 | 28 30 | 5 11 | 21 49 | 2 11 | 23 7 | 0 37 | 5 33 | 0 36 | 19 0 | 1 48 | 19 15 | 1 7 | 18 51 | 0 4 | 20 49 | 0 53 | 8 30 | 13 34 | 9 0 | 8 38 | 5 33 | | n.a. |
| M26 | 14 52 | 28 43 | 4 48 | 21 21 | 2 10 | 23 8 | 0 32 | 5 48 | 0 36 | 19 3 | 1 48 | 19 15 | 1 7 | 18 51 | 0 4 | 20 49 | 0 53 | 8 30 | 13 34 | 9 1 | 8 39 | 5 30 | | n.a. |
| T 27 | 14 33 | 27 6 | 4 8 | 20 52 | 2 8 | 23 7 | 0 28 | 6 3 | 0 37 | 19 5 | 1 48 | 19 16 | 1 7 | 18 51 | 0 4 | 20 50 | 0 53 | 8 31 | 13 34 | 9 2 | 8 40 | 5 27 | | n.a. |
| W28 | 14 s13 | 23 s38 | 3 s11 | 20 s20 | 2 s 5 | 23 s 6 | 0n24 | 6n18 | 0n37 | 19n 7 | 1n48 | 19 s16 | 1n 7 | 18 s51 | 0n 4 | 20 s50 | 0n53 | 8n32 | 13n35 | 9 s 2 | 8 s42 | 5n23 | | n.a. |

Julian Day Number = 1006294.5, Delta T = 12h45m16s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'06, Lahiri = -30°57'05 Julian Calendar 1 Feb. 1958 BCE == Greg. Calendar 15 Jan. 1958 BCE

The year -1957 astronomical counting style corresponds to year 1958 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## MARCH 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 26 48 | 23♒41'23 | 15♒ 2 | 11♒ 2 | 11♉33 | 14♈54 | 12°R21 | 29♏ 9 | 23♏ 5 | 5♐46 | 9°R40 | 7°R11 | 8♓ 4 | 15♍15 | n.a. | T 1 |
| F 2 | 9 30 45 | 24°39'54 | 0♓ 6 | 12°56 | 12°42 | 15°31 | 12♌14 | 29°12 | 23° 5 | 5°47 | 9♎39 | 7°D11 | 8° 1 | 15°22 | n.a. | F 2 |
| S 3 | 9 34 41 | 25°38'22 | 15°12 | 14°50 | 13°50 | 16° 8 | 12° 7 | 29°14 | 23° 6 | 5°47 | 9°38 | 7♓11 | 7°58 | 15°29 | n.a. | S 3 |
| S 4 | 9 38 38 | 26°36'49 | 0♈13 | 16°46 | 14°59 | 16°46 | 11°59 | 29°16 | 23° 6 | 5°48 | 9°37 | 7°11 | 7°54 | 15°35 | n.a. | S 4 |
| M 5 | 9 42 34 | 27°35'13 | 15° 0 | 18°44 | 16° 8 | 17°23 | 11°52 | 29°18 | 23° 7 | 5°49 | 9°35 | 7°12 | 7°51 | 15°42 | n.a. | M 5 |
| T 6 | 9 46 31 | 28°33'35 | 29°27 | 20°43 | 17°17 | 18° 0 | 11°45 | 29°20 | 23° 7 | 5°50 | 9°34 | 7°13 | 7°48 | 15°49 | n.a. | T 6 |
| W 7 | 9 50 28 | 29°31'55 | 13♉32 | 22°43 | 18°26 | 18°38 | 11°38 | 29°22 | 23° 8 | 5°50 | 9°33 | 7°13 | 7°45 | 15°55 | n.a. | W 7 |
| T 8 | 9 54 24 | 0♓30'12 | 27°13 | 24°45 | 19°35 | 19°15 | 11°31 | 29°24 | 23° 8 | 5°51 | 9°32 | 7°R13 | 7°42 | 16° 2 | n.a. | T 8 |
| F 9 | 9 58 21 | 1°28'27 | 10♊31 | 26°48 | 20°44 | 19°52 | 11°24 | 29°26 | 23° 8 | 5°51 | 9°31 | 7°13 | 7°39 | 16° 9 | n.a. | F 9 |
| S 10 | 10 2 17 | 2°26'40 | 23°28 | 28°53 | 21°53 | 20°30 | 11°17 | 29°28 | 23° 9 | 5°52 | 9°30 | 7°13 | 7°35 | 16°15 | n.a. | S 10 |
| S 11 | 10 6 14 | 3°24'51 | 6♋ 7 | 0♓59 | 23° 2 | 21° 7 | 11°10 | 29°29 | 23° 9 | 5°52 | 9°28 | 7°13 | 7°32 | 16°22 | n.a. | S 11 |
| M12 | 10 10 10 | 4°23'00 | 18°31 | 3° 5 | 24°12 | 21°44 | 11° 4 | 29°31 | 23° 9 | 5°53 | 9°27 | 7°12 | 7°29 | 16°29 | n.a. | M12 |
| T 13 | 10 14 7 | 5°21'07 | 0♌43 | 5°13 | 25°21 | 22°22 | 10°57 | 29°32 | 23° 9 | 5°53 | 9°26 | 7°12 | 7°26 | 16°35 | n.a. | T 13 |
| W14 | 10 18 3 | 6°19'11 | 12°45 | 7°21 | 26°30 | 22°59 | 10°51 | 29°33 | 23° 9 | 5°54 | 9°25 | 7°12 | 7°23 | 16°42 | n.a. | W14 |
| T 15 | 10 22 0 | 7°17'13 | 24°40 | 9°29 | 27°40 | 23°36 | 10°45 | 29°34 | 23°R 9 | 5°54 | 9°23 | 7°D12 | 7°19 | 16°48 | n.a. | T 15 |
| F 16 | 10 25 57 | 8°15'14 | 6♍31 | 11°38 | 28°50 | 24°14 | 10°38 | 29°36 | 23° 9 | 5°54 | 9°22 | 7°R12 | 7°16 | 16°55 | n.a. | F 16 |
| S 17 | 10 29 53 | 9°13'13 | 18°19 | 13°47 | 29°59 | 24°51 | 10°32 | 29°37 | 23° 9 | 5°55 | 9°21 | 7°12 | 7°13 | 17° 2 | n.a. | S 17 |
| S 18 | 10 33 50 | 10°11'10 | 0♎ 7 | 15°55 | 1♒ 9 | 25°28 | 10°26 | 29°37 | 23° 9 | 5°55 | 9°19 | 7°12 | 7°10 | 17° 8 | n.a. | S 18 |
| M19 | 10 37 46 | 11° 9'05 | 11°58 | 18° 3 | 2°19 | 26° 6 | 10°21 | 29°38 | 23° 9 | 5°55 | 9°18 | 7°11 | 7° 7 | 17°15 | n.a. | M19 |
| T 20 | 10 41 43 | 12° 6'58 | 23°53 | 20°10 | 3°29 | 26°43 | 10°15 | 29°39 | 23° 9 | 5°55 | 9°16 | 7°11 | 7° 4 | 17°22 | n.a. | T 20 |
| W21 | 10 45 39 | 13° 4'51 | 5♏56 | 22°16 | 4°39 | 27°21 | 10° 9 | 29°40 | 23° 8 | 5°55 | 9°15 | 7°10 | 7° 0 | 17°28 | n.a. | W21 |
| T 22 | 10 49 36 | 14° 2'41 | 18°11 | 24°20 | 5°49 | 27°58 | 10° 4 | 29°40 | 23° 8 | 5°56 | 9°14 | 7° 9 | 6°57 | 17°35 | n.a. | T 22 |
| F 23 | 10 53 32 | 15° 0'31 | 0♐40 | 26°23 | 6°59 | 28°35 | 9°59 | 29°40 | 23° 8 | 5°56 | 9°12 | 7° 9 | 6°54 | 17°42 | n.a. | F 23 |
| S 24 | 10 57 29 | 15°58'18 | 13°27 | 28°23 | 8° 9 | 29°13 | 9°54 | 29°41 | 23° 7 | 5°56 | 9°11 | 7°D 8 | 6°51 | 17°48 | n.a. | S 24 |
| S 25 | 11 1 25 | 16°56'05 | 26°36 | 0♈21 | 9°19 | 29°50 | 9°49 | 29°41 | 23° 7 | 5°56 | 9° 9 | 7° 8 | 6°48 | 17°55 | n.a. | S 25 |
| M26 | 11 5 22 | 17°53'50 | 10♉ 9 | 2°17 | 10°29 | 0♉27 | 9°44 | 29°41 | 23° 6 | 5°R56 | 9° 8 | 7° 9 | 6°45 | 18° 2 | n.a. | M26 |
| T 27 | 11 9 19 | 18°51'34 | 24° 8 | 4°10 | 11°39 | 1° 5 | 9°39 | 29°R41 | 23° 6 | 5°56 | 9° 6 | 7°10 | 6°41 | 18° 8 | n.a. | T 27 |
| W28 | 11 13 15 | 19°49'17 | 8♒31 | 6° 0 | 12°50 | 1°42 | 9°35 | 29°41 | 23° 5 | 5°56 | 9° 5 | 7°11 | 6°38 | 18°15 | n.a. | W28 |
| T 29 | 11 17 12 | 20°46'58 | 23°18 | 7°47 | 14° 0 | 2°19 | 9°30 | 29°41 | 23° 4 | 5°56 | 9° 3 | 7°12 | 6°35 | 18°22 | n.a. | T 29 |
| F 30 | 11 21 8 | 21°44'38 | 8♓20 | 9°31 | 15°10 | 2°57 | 9°26 | 29°41 | 23° 4 | 5°56 | 9° 2 | 7°R12 | 6°32 | 18°28 | n.a. | F 30 |
| S 31 | 11 25 5 | 22♓42'17 | 23♓31 | 11♈12 | 16♒21 | 3♉34 | 9♌22 | 29♏40 | 23♏ 3 | 5♐55 | 9♎ 0 | 7♓11 | 6♓29 | 18♍35 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 13s54 | 18s33 | 2s 0 | 19s46 | 2s 3 | 23s 5 | 0n20 | 6n34 | 0n38 | 19n 9 | 1n48 | 19s17 | 1n 7 | 18s52 | 0n 4 | 20s50 | 0n53 | 8n32 | 13n35 | 9s 3 | 8s43 | 5n20 | | | n.a. |
| F 2 | 13 34 | 12 16 | 0 39 | 19 10 | 1 59 | 23 2 | 0 16 | 6 49 | 0 38 | 19 11 | 1 47 | 19 17 | 1 7 | 18 52 | 0 3 | 20 50 | 0 53 | 8 33 | 13 35 | 9 3 | 8 44 | 5 16 | | | n.a. |
| S 3 | 13 14 | 5 16 | 0n44 | 18 33 | 1 55 | 22 59 | 0 12 | 7 4 | 0 39 | 19 13 | 1 47 | 19 18 | 1 7 | 18 52 | 0 3 | 20 50 | 0 53 | 8 34 | 13 35 | 9 3 | 8 45 | 5 13 | | | n.a. |
| S 4 | 12 54 | 1n59 | 2 4 | 17 53 | 1 51 | 22 56 | 0 8 | 7 19 | 0 39 | 19 15 | 1 47 | 19 18 | 1 7 | 18 52 | 0 3 | 20 50 | 0 53 | 8 34 | 13 36 | 9 3 | 8 46 | 5 9 | | | n.a. |
| M 5 | 12 33 | 9 0 | 3 15 | 17 11 | 1 45 | 22 51 | 0 4 | 7 34 | 0 40 | 19 17 | 1 47 | 19 19 | 1 7 | 18 52 | 0 3 | 20 50 | 0 53 | 8 35 | 13 36 | 9 2 | 8 48 | 5 6 | | | n.a. |
| T 6 | 12 13 | 15 24 | 4 11 | 16 27 | 1 40 | 22 47 | 0 0 | 7 49 | 0 40 | 19 19 | 1 47 | 19 19 | 1 7 | 18 52 | 0 3 | 20 50 | 0 53 | 8 36 | 13 36 | 9 2 | 8 49 | 5 3 | | | n.a. |
| W 7 | 11 52 | 20 49 | 4 51 | 15 41 | 1 34 | 22 41 | 0s 3 | 8 4 | 0 41 | 19 21 | 1 47 | 19 20 | 1 7 | 18 52 | 0 3 | 20 51 | 0 53 | 8 36 | 13 36 | 9 2 | 8 50 | 4 59 | | | n.a. |
| T 8 | 11 31 | 25 0 | 5 13 | 14 54 | 1 27 | 22 35 | 0 7 | 8 19 | 0 41 | 19 23 | 1 47 | 19 20 | 1 7 | 18 52 | 0 3 | 20 51 | 0 53 | 8 37 | 13 36 | 9 2 | 8 51 | 4 56 | | | n.a. |
| F 9 | 11 10 | 27 42 | 5 17 | 14 4 | 1 20 | 22 28 | 0 11 | 8 34 | 0 42 | 19 25 | 1 47 | 19 20 | 1 7 | 18 53 | 0 3 | 20 51 | 0 53 | 8 38 | 13 37 | 9 2 | 8 52 | 4 52 | | | n.a. |
| S 10 | 10 49 | 28 50 | 5 5 | 13 13 | 1 12 | 22 21 | 0 15 | 8 49 | 0 42 | 19 27 | 1 47 | 19 21 | 1 7 | 18 53 | 0 3 | 20 51 | 0 53 | 8 38 | 13 37 | 9 2 | 8 54 | 4 49 | | | n.a. |
| S 11 | 10 27 | 28 24 | 4 38 | 12 20 | 1 3 | 22 12 | 0 18 | 9 4 | 0 43 | 19 29 | 1 47 | 19 21 | 1 7 | 18 53 | 0 3 | 20 51 | 0 53 | 8 39 | 13 37 | 9 2 | 8 55 | 4 45 | | | n.a. |
| M12 | 10 6 | 26 33 | 3 59 | 11 25 | 0 55 | 22 4 | 0 22 | 9 18 | 0 43 | 19 31 | 1 47 | 19 21 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 40 | 13 37 | 9 2 | 8 56 | 4 42 | | | n.a. |
| T 13 | 9 44 | 23 29 | 3 9 | 10 29 | 0 45 | 21 54 | 0 25 | 9 33 | 0 44 | 19 32 | 1 47 | 19 22 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 40 | 13 38 | 9 2 | 8 57 | 4 39 | | | n.a. |
| W14 | 9 22 | 19 25 | 2 12 | 9 32 | 0 36 | 21 45 | 0 29 | 9 48 | 0 44 | 19 34 | 1 47 | 19 22 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 41 | 13 38 | 9 2 | 8 58 | 4 35 | | | n.a. |
| T 15 | 9 0 | 14 39 | 1 9 | 8 34 | 0 26 | 21 34 | 0 32 | 10 2 | 0 45 | 19 36 | 1 46 | 19 22 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 42 | 13 38 | 9 3 | 9 0 | 4 32 | | | n.a. |
| F 16 | 8 38 | 9 21 | 0 4 | 7 35 | 0 15 | 21 23 | 0 35 | 10 17 | 0 45 | 19 37 | 1 46 | 19 22 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 42 | 13 38 | 9 3 | 9 1 | 4 28 | | | n.a. |
| S 17 | 8 16 | 3 46 | 1s 1 | 6 35 | 0 5 | 21 11 | 0 38 | 10 31 | 0 46 | 19 39 | 1 46 | 19 22 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 43 | 13 38 | 9 3 | 9 2 | 4 25 | | | n.a. |
| S 18 | 7 54 | 1s56 | 2 4 | 5 34 | 0n 6 | 20 59 | 0 41 | 10 45 | 0 46 | 19 40 | 1 46 | 19 23 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 44 | 13 38 | 9 3 | 9 3 | 4 21 | | | n.a. |
| M19 | 7 32 | 7 36 | 3 1 | 4 34 | 0 17 | 20 46 | 0 44 | 11 0 | 0 46 | 19 42 | 1 46 | 19 23 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 44 | 13 39 | 9 3 | 9 4 | 4 18 | | | n.a. |
| T 20 | 7 9 | 13 1 | 3 51 | 3 33 | 0 28 | 20 32 | 0 47 | 11 14 | 0 47 | 19 43 | 1 46 | 19 23 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 45 | 13 39 | 9 3 | 9 6 | 4 15 | | | n.a. |
| W21 | 6 47 | 18 1 | 4 32 | 2 33 | 0 38 | 20 18 | 0 50 | 11 28 | 0 47 | 19 45 | 1 46 | 19 23 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 46 | 13 39 | 9 3 | 9 7 | 4 11 | | | n.a. |
| T 22 | 6 24 | 22 23 | 5 0 | 1 33 | 0 49 | 20 3 | 0 53 | 11 42 | 0 48 | 19 46 | 1 45 | 19 23 | 1 8 | 18 53 | 0 3 | 20 51 | 0 53 | 8 46 | 13 39 | 9 3 | 9 8 | 4 8 | | | n.a. |
| F 23 | 6 1 | 25 50 | 5 15 | 0 33 | 1 0 | 19 48 | 0 56 | 11 56 | 0 48 | 19 47 | 1 45 | 19 23 | 1 8 | 18 52 | 0 3 | 20 51 | 0 53 | 8 47 | 13 39 | 9 4 | 9 9 | 4 4 | | | n.a. |
| S 24 | 5 38 | 28 5 | 5 15 | 0n25 | 1 10 | 19 32 | 0 59 | 12 10 | 0 48 | 19 49 | 1 45 | 19 23 | 1 8 | 18 52 | 0 3 | 20 51 | 0 53 | 8 48 | 13 39 | 9 4 | 9 10 | 4 1 | | | n.a. |
| S 25 | 5 16 | 28 52 | 4 59 | 1 22 | 1 20 | 19 16 | 1 1 | 12 24 | 0 49 | 19 50 | 1 45 | 19 23 | 1 8 | 18 52 | 0 3 | 20 51 | 0 53 | 8 48 | 13 39 | 9 4 | 9 12 | 3 57 | | | n.a. |
| M26 | 4 53 | 27 57 | 4 26 | 2 18 | 1 30 | 18 59 | 1 4 | 12 38 | 0 49 | 19 51 | 1 45 | 19 23 | 1 8 | 18 52 | 0 3 | 20 51 | 0 53 | 8 49 | 13 39 | 9 4 | 9 13 | 3 54 | | | n.a. |
| T 27 | 4 30 | 25 16 | 3 37 | 3 12 | 1 39 | 18 42 | 1 6 | 12 51 | 0 50 | 19 52 | 1 45 | 19 23 | 1 8 | 18 52 | 0 3 | 20 51 | 0 53 | 8 50 | 13 40 | 9 3 | 9 14 | 3 51 | | | n.a. |
| W28 | 4 7 | 20 57 | 2 32 | 4 4 | 1 48 | 18 24 | 1 9 | 13 5 | 0 50 | 19 53 | 1 44 | 19 23 | 1 8 | 18 52 | 0 3 | 20 51 | 0 53 | 8 50 | 13 40 | 9 3 | 9 15 | 3 47 | | | n.a. |
| T 29 | 3 43 | 15 14 | 1 16 | 4 55 | 1 56 | 18 6 | 1 11 | 13 19 | 0 50 | 19 54 | 1 44 | 19 23 | 1 8 | 18 52 | 0 3 | 20 51 | 0 54 | 8 51 | 13 40 | 9 3 | 9 16 | 3 44 | | | n.a. |
| F 30 | 3 20 | 8 31 | 0n 6 | 5 44 | 2 3 | 17 47 | 1 13 | 13 32 | 0 51 | 19 55 | 1 44 | 19 23 | 1 8 | 18 52 | 0 3 | 20 51 | 0 54 | 8 52 | 13 40 | 9 2 | 9 18 | 3 40 | | | n.a. |
| S 31 | 2s57 | 1s16 | 1n29 | 6n30 | 2n10 | 17s27 | 1s16 | 13n45 | 0n51 | 19n56 | 1n44 | 19s23 | 1n 8 | 18s51 | 0n 3 | 20s51 | 0n54 | 8n52 | 13n40 | 9s 3 | 9s19 | 3n37 | | | n.a. |

Julian Day Number = 1006322.5, Delta T = 12h45m14s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°04'02, Lahiri = -30°57'02 Julian Calendar 1 March 1958 BCE == Greg. Calendar 12 Feb. 1958 BCE

The year -1957 astronomical counting style corresponds to year 1958 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## APRIL 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 29 1 | 23♓39'53 | 8♈41 | 12♈49 | 17♒31 | 4♉12 | 9°R18 | 29°R40 | 23°R 2 | 5°R55 | 8°R59 | 7°R10 | 6♓25 | 18♍42 | n.a. | S 1 |
| M 2 | 11 32 58 | 24°37'29 | 23°41 | 14°23 | 18°42 | 4°49 | 9♌15 | 29♏39 | 23♏ 1 | 5♐55 | 8♎57 | 7♓ 8 | 6°22 | 18°48 | n.a. | M 2 |
| T 3 | 11 36 54 | 25°35'03 | 8♉23 | 15°54 | 19°52 | 5°26 | 9°11 | 29°39 | 23° 0 | 5°55 | 8°55 | 7° 6 | 6°19 | 18°55 | n.a. | T 3 |
| W 4 | 11 40 51 | 26°32'35 | 22°40 | 17°21 | 21° 3 | 6° 4 | 9° 8 | 29°38 | 22°59 | 5°54 | 8°54 | 7° 4 | 6°16 | 19° 1 | n.a. | W 4 |
| T 5 | 11 44 48 | 27°30'06 | 6♊30 | 18°45 | 22°14 | 6°41 | 9° 4 | 29°37 | 22°58 | 5°54 | 8°52 | 7° 2 | 6°13 | 19° 8 | n.a. | T 5 |
| F 6 | 11 48 44 | 28°27'35 | 19°53 | 20° 5 | 23°25 | 7°19 | 9° 1 | 29°36 | 22°57 | 5°54 | 8°51 | 7° 1 | 6°10 | 19°15 | n.a. | F 6 |
| S 7 | 11 52 41 | 29°25'03 | 2♋51 | 21°21 | 24°35 | 7°56 | 8°59 | 29°35 | 22°56 | 5°53 | 8°49 | 7°D 1 | 6° 6 | 19°21 | n.a. | S 7 |
| S 8 | 11 56 37 | 0♈22'29 | 15°27 | 22°34 | 25°46 | 8°33 | 8°56 | 29°34 | 22°55 | 5°53 | 8°47 | 7° 1 | 6° 3 | 19°28 | n.a. | S 8 |
| M 9 | 12 0 34 | 1°19'54 | 27°44 | 23°43 | 26°57 | 9°11 | 8°53 | 29°33 | 22°54 | 5°53 | 8°46 | 7° 3 | 6° 0 | 19°35 | n.a. | M 9 |
| T 10 | 12 4 30 | 2°17'17 | 9♌49 | 24°48 | 28° 8 | 9°48 | 8°51 | 29°31 | 22°53 | 5°52 | 8°44 | 7° 4 | 5°57 | 19°41 | n.a. | T 10 |
| W11 | 12 8 27 | 3°14'39 | 21°44 | 25°49 | 29°19 | 10°26 | 8°49 | 29°30 | 22°52 | 5°52 | 8°42 | 7° 6 | 5°54 | 19°48 | n.a. | W11 |
| T 12 | 12 12 23 | 4°11'59 | 3♍33 | 26°46 | 0♓30 | 11° 3 | 8°47 | 29°28 | 22°50 | 5°51 | 8°41 | 7°R 7 | 5°51 | 19°55 | n.a. | T 12 |
| F 13 | 12 16 20 | 5° 9'18 | 15°20 | 27°40 | 1°41 | 11°40 | 8°45 | 29°27 | 22°49 | 5°50 | 8°39 | 7° 6 | 5°47 | 20° 1 | n.a. | F 13 |
| S 14 | 12 20 17 | 6° 6'36 | 27° 8 | 28°29 | 2°52 | 12°18 | 8°44 | 29°25 | 22°48 | 5°50 | 8°37 | 7° 5 | 5°44 | 20° 8 | n.a. | S 14 |
| S 15 | 12 24 13 | 7° 3'53 | 9♎ 0 | 29°14 | 4° 3 | 12°55 | 8°42 | 29°23 | 22°46 | 5°49 | 8°36 | 7° 2 | 5°41 | 20°15 | n.a. | S 15 |
| M16 | 12 28 10 | 8° 1'09 | 20°56 | 29°55 | 5°14 | 13°33 | 8°41 | 29°22 | 22°45 | 5°49 | 8°34 | 6°57 | 5°38 | 20°21 | n.a. | M16 |
| T 17 | 12 32 6 | 8°58'24 | 3♏ 0 | 0♉31 | 6°25 | 14°10 | 8°40 | 29°20 | 22°43 | 5°48 | 8°33 | 6°52 | 5°35 | 20°28 | n.a. | T 17 |
| W18 | 12 36 3 | 9°55'38 | 15°13 | 1° 4 | 7°36 | 14°47 | 8°39 | 29°18 | 22°42 | 5°47 | 8°31 | 6°47 | 5°31 | 20°35 | n.a. | W18 |
| T 19 | 12 39 59 | 10°52'51 | 27°36 | 1°31 | 8°47 | 15°25 | 8°38 | 29°16 | 22°40 | 5°46 | 8°29 | 6°41 | 5°28 | 20°41 | n.a. | T 19 |
| F 20 | 12 43 56 | 11°50'04 | 10♐12 | 1°55 | 9°59 | 16° 2 | 8°38 | 29°13 | 22°39 | 5°46 | 8°28 | 6°37 | 5°25 | 20°48 | n.a. | F 20 |
| S 21 | 12 47 52 | 12°47'16 | 23° 3 | 2°13 | 11°10 | 16°40 | 8°37 | 29°11 | 22°37 | 5°45 | 8°26 | 6°33 | 5°22 | 20°55 | n.a. | S 21 |
| S 22 | 12 51 49 | 13°44'28 | 6♑12 | 2°27 | 12°21 | 17°17 | 8°D37 | 29° 9 | 22°35 | 5°44 | 8°24 | 6°32 | 5°19 | 21° 1 | n.a. | S 22 |
| M23 | 12 55 46 | 14°41'39 | 19°39 | 2°37 | 13°33 | 17°55 | 8°37 | 29° 6 | 22°34 | 5°43 | 8°23 | 6°D32 | 5°16 | 21° 8 | n.a. | M23 |
| T 24 | 12 59 42 | 15°38'50 | 3♒28 | 2°42 | 14°44 | 18°32 | 8°37 | 29° 4 | 22°32 | 5°42 | 8°21 | 6°33 | 5°12 | 21°14 | n.a. | T 24 |
| W25 | 13 3 39 | 16°36'00 | 17°38 | 2°R42 | 15°56 | 19°10 | 8°38 | 29° 1 | 22°30 | 5°42 | 8°19 | 6°34 | 5° 9 | 21°21 | n.a. | W25 |
| T 26 | 13 7 35 | 17°33'10 | 2♓ 9 | 2°38 | 17° 7 | 19°47 | 8°38 | 28°58 | 22°28 | 5°41 | 8°18 | 6°R35 | 5° 6 | 21°28 | n.a. | T 26 |
| F 27 | 13 11 32 | 18°30'19 | 16°58 | 2°30 | 18°19 | 20°25 | 8°39 | 28°56 | 22°26 | 5°40 | 8°16 | 6°34 | 5° 3 | 21°34 | n.a. | F 27 |
| S 28 | 13 15 28 | 19°27'28 | 1♈58 | 2°17 | 19°30 | 21° 2 | 8°40 | 28°53 | 22°25 | 5°39 | 8°15 | 6°32 | 5° 0 | 21°41 | n.a. | S 28 |
| S 29 | 13 19 25 | 20°24'36 | 17° 3 | 2° 1 | 20°42 | 21°40 | 8°41 | 28°50 | 22°23 | 5°38 | 8°13 | 6°28 | 4°56 | 21°48 | n.a. | S 29 |
| M30 | 13 23 21 | 21♈21'44 | 2♉ 2 | 1♉41 | 21♓54 | 22♉17 | 8♌42 | 28♏47 | 22♏21 | 5♐37 | 8♎11 | 6♓22 | 4♓53 | 21♍54 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s34 | 6n 2 | 2n46 | 7n15 | 2n16 | 17s 7 | 1s18 | 13n59 | 0n52 | 19n57 | 1n44 | 19s23 | 1n 8 | 18s51 | 0n 3 | 20s51 | 0n54 | 8n53 | 13n40 | 9s 3 | 9s20 | 3n33 | | n.a. |
| M 2 | 2 11 | 12 55 | 3 50 | 7 57 | 2 22 | 16 47 | 1 20 | 14 12 | 0 52 | 19 58 | 1 43 | 19 22 | 1 8 | 18 51 | 0 3 | 20 51 | 0 54 | 8 54 | 13 40 | 9 4 | 9 21 | 3 30 | | n.a. |
| T 3 | 1 47 | 18 56 | 4 37 | 8 37 | 2 27 | 16 26 | 1 22 | 14 25 | 0 52 | 19 59 | 1 43 | 19 22 | 1 8 | 18 51 | 0 3 | 20 51 | 0 54 | 8 54 | 13 40 | 9 5 | 9 22 | 3 26 | | n.a. |
| W 4 | 1 24 | 23 44 | 5 6 | 9 15 | 2 31 | 16 5 | 1 23 | 14 38 | 0 53 | 19 59 | 1 43 | 19 22 | 1 8 | 18 50 | 0 3 | 20 51 | 0 54 | 8 55 | 13 40 | 9 6 | 9 24 | 3 23 | | n.a. |
| T 5 | 1 1 | 27 0 | 5 16 | 9 51 | 2 34 | 15 43 | 1 25 | 14 51 | 0 53 | 20 0 | 1 43 | 19 22 | 1 8 | 18 50 | 0 3 | 20 51 | 0 54 | 8 56 | 13 40 | 9 6 | 9 25 | 3 20 | | n.a. |
| F 6 | 0 37 | 28 38 | 5 8 | 10 24 | 2 36 | 15 21 | 1 27 | 15 4 | 0 53 | 20 0 | 1 43 | 19 22 | 1 8 | 18 50 | 0 3 | 20 51 | 0 54 | 8 56 | 13 40 | 9 7 | 9 26 | 3 16 | | n.a. |
| S 7 | 0 14 | 28 38 | 4 44 | 10 55 | 2 38 | 14 59 | 1 29 | 15 17 | 0 54 | 20 1 | 1 42 | 19 21 | 1 8 | 18 50 | 0 3 | 20 51 | 0 54 | 8 57 | 13 40 | 9 7 | 9 27 | 3 13 | | n.a. |
| S 8 | 0n 9 | 27 6 | 4 8 | 11 24 | 2 39 | 14 36 | 1 30 | 15 29 | 0 54 | 20 2 | 1 42 | 19 21 | 1 8 | 18 49 | 0 3 | 20 51 | 0 54 | 8 58 | 13 40 | 9 7 | 9 28 | 3 9 | | n.a. |
| M 9 | 0 32 | 24 18 | 3 20 | 11 50 | 2 39 | 14 12 | 1 32 | 15 42 | 0 54 | 20 2 | 1 42 | 19 21 | 1 8 | 18 49 | 0 3 | 20 50 | 0 54 | 8 58 | 13 40 | 9 6 | 9 30 | 3 6 | | n.a. |
| T 10 | 0 56 | 20 28 | 2 25 | 12 14 | 2 38 | 13 49 | 1 33 | 15 54 | 0 55 | 20 2 | 1 42 | 19 21 | 1 8 | 18 49 | 0 3 | 20 50 | 0 54 | 8 59 | 13 40 | 9 5 | 9 31 | 3 2 | | n.a. |
| W11 | 1 19 | 15 52 | 1 24 | 12 35 | 2 36 | 13 25 | 1 34 | 16 7 | 0 55 | 20 3 | 1 41 | 19 20 | 1 8 | 18 48 | 0 3 | 20 50 | 0 54 | 9 0 | 13 40 | 9 5 | 9 32 | 2 59 | | n.a. |
| T 12 | 1 42 | 10 43 | 0 20 | 12 54 | 2 34 | 13 0 | 1 35 | 16 19 | 0 55 | 20 3 | 1 41 | 19 20 | 1 8 | 18 48 | 0 3 | 20 50 | 0 54 | 9 0 | 13 40 | 9 4 | 9 33 | 2 55 | | n.a. |
| F 13 | 2 5 | 5 12 | 0s45 | 13 11 | 2 30 | 12 35 | 1 37 | 16 31 | 0 56 | 20 3 | 1 41 | 19 19 | 1 8 | 18 48 | 0 3 | 20 50 | 0 54 | 9 1 | 13 40 | 9 5 | 9 34 | 2 52 | | n.a. |
| S 14 | 2 28 | 0s29 | 1 48 | 13 25 | 2 26 | 12 10 | 1 38 | 16 43 | 0 56 | 20 4 | 1 41 | 19 19 | 1 9 | 18 47 | 0 3 | 20 50 | 0 54 | 9 1 | 13 40 | 9 5 | 9 36 | 2 49 | | n.a. |
| S 15 | 2 52 | 6 10 | 2 46 | 13 36 | 2 20 | 11 45 | 1 39 | 16 55 | 0 56 | 20 4 | 1 40 | 19 19 | 1 9 | 18 47 | 0 3 | 20 50 | 0 54 | 9 2 | 13 40 | 9 6 | 9 37 | 2 45 | | n.a. |
| M16 | 3 15 | 11 40 | 3 37 | 13 45 | 2 14 | 11 19 | 1 39 | 17 7 | 0 57 | 20 4 | 1 40 | 19 18 | 1 9 | 18 47 | 0 3 | 20 50 | 0 54 | 9 3 | 13 40 | 9 8 | 9 38 | 2 42 | | n.a. |
| T 17 | 3 38 | 16 48 | 4 19 | 13 51 | 2 7 | 10 53 | 1 40 | 17 19 | 0 57 | 20 4 | 1 40 | 19 18 | 1 9 | 18 46 | 0 3 | 20 49 | 0 54 | 9 3 | 13 40 | 9 10 | 9 39 | 2 38 | | n.a. |
| W18 | 4 0 | 21 20 | 4 50 | 13 55 | 1 59 | 10 27 | 1 41 | 17 31 | 0 57 | 20 4 | 1 40 | 19 17 | 1 9 | 18 46 | 0 3 | 20 49 | 0 54 | 9 4 | 13 40 | 9 12 | 9 40 | 2 35 | | n.a. |
| T 19 | 4 23 | 25 0 | 5 8 | 13 57 | 1 50 | 10 0 | 1 42 | 17 42 | 0 57 | 20 4 | 1 39 | 19 17 | 1 9 | 18 46 | 0 3 | 20 49 | 0 54 | 9 4 | 13 39 | 9 14 | 9 41 | 2 31 | | n.a. |
| F 20 | 4 46 | 27 33 | 5 11 | 13 56 | 1 40 | 9 33 | 1 42 | 17 53 | 0 58 | 20 4 | 1 39 | 19 16 | 1 9 | 18 45 | 0 3 | 20 49 | 0 54 | 9 5 | 13 39 | 9 16 | 9 43 | 2 28 | | n.a. |
| S 21 | 5 9 | 28 42 | 4 59 | 13 52 | 1 29 | 9 6 | 1 43 | 18 5 | 0 58 | 20 4 | 1 39 | 19 16 | 1 9 | 18 45 | 0 3 | 20 49 | 0 54 | 9 5 | 13 39 | 9 17 | 9 44 | 2 24 | | n.a. |
| S 22 | 5 32 | 28 17 | 4 31 | 13 46 | 1 17 | 8 38 | 1 43 | 18 16 | 0 58 | 20 3 | 1 39 | 19 15 | 1 9 | 18 44 | 0 3 | 20 49 | 0 54 | 9 6 | 13 39 | 9 18 | 9 45 | 2 21 | | n.a. |
| M23 | 5 54 | 26 12 | 3 48 | 13 38 | 1 5 | 8 11 | 1 43 | 18 27 | 0 59 | 20 3 | 1 38 | 19 15 | 1 9 | 18 44 | 0 3 | 20 49 | 0 54 | 9 7 | 13 39 | 9 18 | 9 46 | 2 18 | | n.a. |
| T 24 | 6 17 | 22 32 | 2 50 | 13 27 | 0 51 | 7 43 | 1 44 | 18 38 | 0 59 | 20 3 | 1 38 | 19 14 | 1 9 | 18 43 | 0 3 | 20 48 | 0 54 | 9 7 | 13 39 | 9 17 | 9 47 | 2 14 | | n.a. |
| W25 | 6 39 | 17 28 | 1 41 | 13 14 | 0 37 | 7 15 | 1 44 | 18 49 | 0 59 | 20 2 | 1 38 | 19 14 | 1 9 | 18 43 | 0 3 | 20 48 | 0 54 | 9 8 | 13 39 | 9 17 | 9 49 | 2 11 | | n.a. |
| T 26 | 7 1 | 11 17 | 0 24 | 12 59 | 0 23 | 6 46 | 1 44 | 18 59 | 0 59 | 20 2 | 1 38 | 19 13 | 1 9 | 18 43 | 0 3 | 20 48 | 0 54 | 9 8 | 13 39 | 9 17 | 9 50 | 2 7 | | n.a. |
| F 27 | 7 24 | 4 23 | 0n56 | 12 42 | 0 7 | 6 18 | 1 44 | 19 10 | 1 0 | 20 2 | 1 37 | 19 13 | 1 9 | 18 42 | 0 3 | 20 48 | 0 54 | 9 9 | 13 38 | 9 17 | 9 51 | 2 4 | | n.a. |
| S 28 | 7 46 | 2n50 | 2 13 | 12 23 | 0s 8 | 5 49 | 1 44 | 19 20 | 1 0 | 20 1 | 1 37 | 19 12 | 1 9 | 18 42 | 0 3 | 20 48 | 0 54 | 9 9 | 13 38 | 9 17 | 9 52 | 2 0 | | n.a. |
| S 29 | 8 8 | 9 55 | 3 21 | 12 2 | 0 25 | 5 20 | 1 44 | 19 31 | 1 0 | 20 1 | 1 37 | 19 11 | 1 9 | 18 41 | 0 3 | 20 48 | 0 54 | 9 10 | 13 38 | 9 19 | 9 53 | 1 57 | | n.a. |
| M30 | 8n30 | 16n24 | 4n15 | 11n39 | 0s41 | 4s51 | 1s43 | 19n41 | 1n 0 | 20n 0 | 1n37 | 19s11 | 1n 9 | 18s41 | 0n 3 | 20s47 | 0n54 | 9n10 | 13n38 | 9s21 | 9s55 | 1n53 | | n.a. |

Julian Day Number = 1006353.5, Delta T = 12h45m12s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'58, Lahiri = -30°56'57 Julian Calendar 1 Apr. 1958 BCE == Greg. Calendar 15 March 1958 BCE

The year -1957 astronomical counting style corresponds to year 1958 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## MAY 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 27 18 | 22♈18'51 | 16♉46 | 1°R17 | 23♓ 5 | 22♉55 | 8♌44 | 28°R44 | 22°R19 | 5°R36 | 8°R10 | 6°R16 | 4♓50 | 22♍ 1 | n.a. | T 1 |
| W 2 | 13 31 15 | 23°15'58 | 1♊ 9 | 0♉50 | 24°17 | 23°32 | 8°45 | 28♏41 | 22♏17 | 5♐34 | 8♎ 8 | 6♓ 9 | 4°47 | 22° 8 | n.a. | W 2 |
| T 3 | 13 35 11 | 24°13'04 | 15° 5 | 0°21 | 25°29 | 24°10 | 8°47 | 28°38 | 22°15 | 5°33 | 8° 7 | 6° 2 | 4°44 | 22°14 | n.a. | T 3 |
| F 4 | 13 39 8 | 25°10'09 | 28°34 | 29♈50 | 26°41 | 24°47 | 8°49 | 28°34 | 22°13 | 5°32 | 8° 5 | 5°58 | 4°41 | 22°21 | n.a. | F 4 |
| S 5 | 13 43 4 | 26° 7'14 | 11♋35 | 29°17 | 27°53 | 25°25 | 8°51 | 28°31 | 22°11 | 5°31 | 8° 4 | 5°55 | 4°37 | 22°28 | n.a. | S 5 |
| S 6 | 13 47 1 | 27° 4'18 | 24°12 | 28°43 | 29° 4 | 26° 2 | 8°54 | 28°28 | 22° 9 | 5°30 | 8° 2 | 5°D53 | 4°34 | 22°34 | n.a. | S 6 |
| M 7 | 13 50 57 | 28° 1'22 | 6♌29 | 28° 9 | 0♈16 | 26°40 | 8°56 | 28°24 | 22° 6 | 5°29 | 8° 0 | 5°54 | 4°31 | 22°41 | n.a. | M 7 |
| T 8 | 13 54 54 | 28°58'25 | 18°31 | 27°34 | 1°28 | 27°17 | 8°59 | 28°21 | 22° 4 | 5°28 | 7°59 | 5°55 | 4°28 | 22°48 | n.a. | T 8 |
| W 9 | 13 58 51 | 29°55'27 | 0♍24 | 27° 1 | 2°40 | 27°55 | 9° 2 | 28°17 | 22° 2 | 5°26 | 7°57 | 5°R56 | 4°25 | 22°54 | n.a. | W 9 |
| T 10 | 14 2 47 | 0♉52'29 | 12°11 | 26°28 | 3°52 | 28°32 | 9° 5 | 28°14 | 22° 0 | 5°25 | 7°56 | 5°56 | 4°22 | 23° 1 | n.a. | T 10 |
| F 11 | 14 6 44 | 1°49'31 | 23°59 | 25°58 | 5° 4 | 29°10 | 9° 8 | 28°10 | 21°58 | 5°24 | 7°54 | 5°54 | 4°18 | 23° 8 | n.a. | F 11 |
| S 12 | 14 10 40 | 2°46'32 | 5♎50 | 25°30 | 6°16 | 29°47 | 9°11 | 28° 6 | 21°56 | 5°23 | 7°53 | 5°50 | 4°15 | 23°14 | n.a. | S 12 |
| S 13 | 14 14 37 | 3°43'33 | 17°47 | 25° 5 | 7°28 | 0♊25 | 9°15 | 28° 2 | 21°53 | 5°21 | 7°52 | 5°43 | 4°12 | 23°21 | n.a. | S 13 |
| M14 | 14 18 33 | 4°40'34 | 29°53 | 24°43 | 8°40 | 1° 3 | 9°18 | 27°58 | 21°51 | 5°20 | 7°50 | 5°35 | 4° 9 | 23°28 | n.a. | M14 |
| T 15 | 14 22 30 | 5°37'35 | 12♏ 9 | 24°24 | 9°53 | 1°40 | 9°22 | 27°55 | 21°49 | 5°19 | 7°49 | 5°25 | 4° 6 | 23°34 | n.a. | T 15 |
| W16 | 14 26 26 | 6°34'36 | 24°36 | 24°10 | 11° 5 | 2°18 | 9°26 | 27°51 | 21°47 | 5°17 | 7°47 | 5°14 | 4° 2 | 23°41 | n.a. | W16 |
| T 17 | 14 30 23 | 7°31'37 | 7♐15 | 24° 0 | 12°17 | 2°55 | 9°30 | 27°47 | 21°44 | 5°16 | 7°46 | 5° 4 | 3°59 | 23°47 | n.a. | T 17 |
| F 18 | 14 34 20 | 8°28'39 | 20° 6 | 23°55 | 13°29 | 3°33 | 9°35 | 27°43 | 21°42 | 5°14 | 7°45 | 4°55 | 3°56 | 23°54 | n.a. | F 18 |
| S 19 | 14 38 16 | 9°25'40 | 3♑ 9 | 23°D54 | 14°42 | 4°11 | 9°39 | 27°39 | 21°40 | 5°13 | 7°43 | 4°47 | 3°53 | 24° 1 | n.a. | S 19 |
| S 20 | 14 42 13 | 10°22'42 | 16°25 | 23°58 | 15°54 | 4°48 | 9°44 | 27°35 | 21°37 | 5°12 | 7°42 | 4°43 | 3°50 | 24° 7 | n.a. | S 20 |
| M21 | 14 46 9 | 11°19'45 | 29°54 | 24° 7 | 17° 6 | 5°26 | 9°49 | 27°30 | 21°35 | 5°10 | 7°41 | 4°40 | 3°47 | 24°14 | n.a. | M21 |
| T 22 | 14 50 6 | 12°16'48 | 13♒39 | 24°21 | 18°19 | 6° 4 | 9°54 | 27°26 | 21°32 | 5° 9 | 7°39 | 4°D40 | 3°43 | 24°21 | n.a. | T 22 |
| W23 | 14 54 2 | 13°13'51 | 27°40 | 24°41 | 19°31 | 6°41 | 9°59 | 27°22 | 21°30 | 5° 7 | 7°38 | 4°R40 | 3°40 | 24°27 | n.a. | W23 |
| T 24 | 14 57 59 | 14°10'55 | 11♓56 | 25° 5 | 20°44 | 7°19 | 10° 4 | 27°18 | 21°28 | 5° 6 | 7°37 | 4°40 | 3°37 | 24°34 | n.a. | T 24 |
| F 25 | 15 1 56 | 15° 8'00 | 26°26 | 25°34 | 21°56 | 7°57 | 10° 9 | 27°13 | 21°25 | 5° 4 | 7°36 | 4°39 | 3°34 | 24°41 | n.a. | F 25 |
| S 26 | 15 5 52 | 16° 5'05 | 11♈ 6 | 26° 9 | 23° 9 | 8°34 | 10°15 | 27° 9 | 21°23 | 5° 3 | 7°34 | 4°35 | 3°31 | 24°47 | n.a. | S 26 |
| S 27 | 15 9 49 | 17° 2'11 | 25°51 | 26°48 | 24°21 | 9°12 | 10°21 | 27° 5 | 21°21 | 5° 1 | 7°33 | 4°28 | 3°27 | 24°54 | n.a. | S 27 |
| M28 | 15 13 45 | 17°59'17 | 10♉35 | 27°32 | 25°34 | 9°50 | 10°26 | 27° 1 | 21°18 | 5° 0 | 7°32 | 4°19 | 3°24 | 25° 1 | n.a. | M28 |
| T 29 | 15 17 42 | 18°56'24 | 25° 8 | 28°22 | 26°47 | 10°28 | 10°32 | 26°56 | 21°16 | 4°58 | 7°31 | 4° 9 | 3°21 | 25° 7 | n.a. | T 29 |
| W30 | 15 21 38 | 19°53'31 | 9♊24 | 29°16 | 27°59 | 11° 5 | 10°39 | 26°52 | 21°13 | 4°57 | 7°30 | 3°58 | 3°18 | 25°14 | n.a. | W30 |
| T 31 | 15 25 35 | 20♉50'39 | 23♊17 | 0♉15 | 29♈12 | 11♊43 | 10♌45 | 26♏47 | 21♏11 | 4♐55 | 7♎29 | 3♓48 | 3♓15 | 25♍21 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 8n51 | 21n49 | 4n51 | 11n15 | 0s58 | 4s22 | 1s43 | 19n51 | 1n 1 | 19n59 | 1n36 | 19s10 | 1n 9 | 18s40 | 0n 3 | 20s47 | 0n54 | 9n10 | 13n38 | 9s24 | 9s56 | 1n50 | | | n.a. |
| W 2 | 9 13 | 25 48 | 5 7 | 10 50 | 1 14 | 3 53 | 1 43 | 20 1 | 1 1 | 19 59 | 1 36 | 19 9 | 1 9 | 18 40 | 0 3 | 20 47 | 0 54 | 9 11 | 13 38 | 9 26 | 9 57 | 1 47 | | | n.a. |
| T 3 | 9 34 | 28 7 | 5 4 | 10 24 | 1 31 | 3 23 | 1 42 | 20 11 | 1 1 | 19 58 | 1 36 | 19 9 | 1 9 | 18 39 | 0 3 | 20 47 | 0 54 | 9 11 | 13 37 | 9 29 | 9 58 | 1 43 | | | n.a. |
| F 4 | 9 56 | 28 40 | 4 45 | 9 58 | 1 47 | 2 54 | 1 42 | 20 20 | 1 1 | 19 57 | 1 36 | 19 8 | 1 9 | 18 39 | 0 3 | 20 46 | 0 54 | 9 12 | 13 37 | 9 30 | 9 59 | 1 40 | | | n.a. |
| S 5 | 10 17 | 27 34 | 4 11 | 9 31 | 2 3 | 2 24 | 1 41 | 20 30 | 1 2 | 19 56 | 1 35 | 19 7 | 1 9 | 18 38 | 0 3 | 20 46 | 0 54 | 9 12 | 13 37 | 9 32 | 10 0 | 1 36 | | | n.a. |
| S 6 | 10 38 | 25 5 | 3 26 | 9 5 | 2 19 | 1 54 | 1 41 | 20 39 | 1 2 | 19 55 | 1 35 | 19 6 | 1 9 | 18 37 | 0 3 | 20 46 | 0 54 | 9 13 | 13 37 | 9 32 | 10 2 | 1 33 | | | n.a. |
| M 7 | 10 59 | 21 29 | 2 32 | 8 39 | 2 33 | 1 25 | 1 40 | 20 48 | 1 2 | 19 54 | 1 35 | 19 6 | 1 8 | 18 37 | 0 3 | 20 46 | 0 54 | 9 13 | 13 36 | 9 32 | 10 3 | 1 29 | | | n.a. |
| T 8 | 11 20 | 17 3 | 1 32 | 8 13 | 2 47 | 0 55 | 1 39 | 20 58 | 1 2 | 19 53 | 1 35 | 19 5 | 1 8 | 18 36 | 0 3 | 20 46 | 0 54 | 9 13 | 13 36 | 9 32 | 10 4 | 1 26 | | | n.a. |
| W 9 | 11 40 | 12 1 | 0 30 | 7 49 | 3 0 | 0 25 | 1 38 | 21 7 | 1 3 | 19 52 | 1 34 | 19 4 | 1 8 | 18 36 | 0 3 | 20 45 | 0 54 | 9 14 | 13 36 | 9 31 | 10 5 | 1 22 | | | n.a. |
| T 10 | 12 1 | 6 36 | 0s34 | 7 26 | 3 12 | 0n 5 | 1 37 | 21 15 | 1 3 | 19 51 | 1 34 | 19 3 | 1 8 | 18 35 | 0 3 | 20 45 | 0 54 | 9 14 | 13 36 | 9 31 | 10 6 | 1 19 | | | n.a. |
| F 11 | 12 21 | 0 59 | 1 35 | 7 5 | 3 23 | 0 35 | 1 36 | 21 24 | 1 3 | 19 50 | 1 34 | 19 2 | 1 8 | 18 35 | 0 3 | 20 45 | 0 54 | 9 14 | 13 35 | 9 32 | 10 8 | 1 16 | | | n.a. |
| S 12 | 12 41 | 4s42 | 2 33 | 6 46 | 3 32 | 1 5 | 1 35 | 21 33 | 1 3 | 19 49 | 1 34 | 19 2 | 1 8 | 18 34 | 0 3 | 20 45 | 0 54 | 9 15 | 13 35 | 9 33 | 10 9 | 1 12 | | | n.a. |
| S 13 | 13 1 | 10 15 | 3 25 | 6 29 | 3 40 | 1 35 | 1 34 | 21 41 | 1 3 | 19 48 | 1 33 | 19 1 | 1 8 | 18 33 | 0 3 | 20 44 | 0 54 | 9 15 | 13 35 | 9 36 | 10 10 | 1 9 | | | n.a. |
| M14 | 13 20 | 15 30 | 4 7 | 6 15 | 3 47 | 2 5 | 1 33 | 21 49 | 1 4 | 19 47 | 1 33 | 19 0 | 1 8 | 18 33 | 0 3 | 20 44 | 0 54 | 9 15 | 13 35 | 9 39 | 10 11 | 1 5 | | | n.a. |
| T 15 | 13 40 | 20 12 | 4 39 | 6 3 | 3 52 | 2 35 | 1 32 | 21 57 | 1 4 | 19 45 | 1 33 | 18 59 | 1 8 | 18 32 | 0 3 | 20 44 | 0 54 | 9 16 | 13 34 | 9 43 | 10 12 | 1 2 | | | n.a. |
| W16 | 13 59 | 24 7 | 4 58 | 5 54 | 3 57 | 3 5 | 1 30 | 22 5 | 1 4 | 19 44 | 1 33 | 18 58 | 1 8 | 18 32 | 0 3 | 20 44 | 0 54 | 9 16 | 13 34 | 9 47 | 10 13 | 0 58 | | | n.a. |
| T 17 | 14 18 | 26 56 | 5 3 | 5 48 | 3 59 | 3 35 | 1 29 | 22 13 | 1 4 | 19 43 | 1 32 | 18 57 | 1 8 | 18 31 | 0 3 | 20 43 | 0 54 | 9 16 | 13 34 | 9 51 | 10 15 | 0 55 | | | n.a. |
| F 18 | 14 37 | 28 25 | 4 53 | 5 44 | 4 1 | 4 5 | 1 28 | 22 20 | 1 4 | 19 41 | 1 32 | 18 57 | 1 8 | 18 30 | 0 3 | 20 43 | 0 54 | 9 16 | 13 33 | 9 54 | 10 16 | 0 51 | | | n.a. |
| S 19 | 14 55 | 28 21 | 4 28 | 5 44 | 4 1 | 4 35 | 1 26 | 22 28 | 1 5 | 19 40 | 1 32 | 18 56 | 1 8 | 18 30 | 0 3 | 20 43 | 0 54 | 9 17 | 13 33 | 9 57 | 10 17 | 0 48 | | | n.a. |
| S 20 | 15 14 | 26 39 | 3 47 | 5 46 | 4 0 | 5 5 | 1 25 | 22 35 | 1 5 | 19 38 | 1 32 | 18 55 | 1 8 | 18 29 | 0 3 | 20 43 | 0 54 | 9 17 | 13 33 | 9 58 | 10 18 | 0 45 | | | n.a. |
| M21 | 15 32 | 23 24 | 2 54 | 5 52 | 3 58 | 5 35 | 1 23 | 22 42 | 1 5 | 19 37 | 1 31 | 18 54 | 1 8 | 18 29 | 0 3 | 20 42 | 0 54 | 9 17 | 13 32 | 9 59 | 10 19 | 0 41 | | | n.a. |
| T 22 | 15 50 | 18 48 | 1 49 | 6 0 | 3 54 | 6 4 | 1 21 | 22 49 | 1 5 | 19 35 | 1 31 | 18 53 | 1 8 | 18 28 | 0 3 | 20 42 | 0 54 | 9 17 | 13 32 | 10 0 | 10 20 | 0 38 | | | n.a. |
| W23 | 16 7 | 13 7 | 0 37 | 6 11 | 3 50 | 6 34 | 1 20 | 22 56 | 1 5 | 19 34 | 1 31 | 18 52 | 1 8 | 18 27 | 0 3 | 20 42 | 0 54 | 9 17 | 13 32 | 9 59 | 10 22 | 0 34 | | | n.a. |
| T 24 | 16 25 | 6 38 | 0n38 | 6 25 | 3 45 | 7 3 | 1 18 | 23 3 | 1 6 | 19 32 | 1 31 | 18 51 | 1 8 | 18 27 | 0 3 | 20 42 | 0 54 | 9 18 | 13 31 | 9 59 | 10 23 | 0 31 | | | n.a. |
| F 25 | 16 42 | 0n16 | 1 53 | 6 42 | 3 38 | 7 32 | 1 16 | 23 9 | 1 6 | 19 30 | 1 30 | 18 50 | 1 8 | 18 26 | 0 3 | 20 41 | 0 54 | 9 18 | 13 31 | 10 0 | 10 24 | 0 27 | | | n.a. |
| S 26 | 16 59 | 7 14 | 3 1 | 7 1 | 3 31 | 8 2 | 1 14 | 23 16 | 1 6 | 19 28 | 1 30 | 18 49 | 1 8 | 18 26 | 0 3 | 20 41 | 0 54 | 9 18 | 13 31 | 10 1 | 10 25 | 0 24 | | | n.a. |
| S 27 | 17 16 | 13 51 | 3 56 | 7 23 | 3 23 | 8 31 | 1 12 | 23 22 | 1 6 | 19 27 | 1 30 | 18 48 | 1 8 | 18 25 | 0 3 | 20 41 | 0 54 | 9 18 | 13 30 | 10 4 | 10 26 | 0 20 | | | n.a. |
| M28 | 17 32 | 19 39 | 4 36 | 7 47 | 3 15 | 8 59 | 1 10 | 23 28 | 1 6 | 19 25 | 1 30 | 18 47 | 1 8 | 18 24 | 0 3 | 20 41 | 0 54 | 9 18 | 13 30 | 10 7 | 10 28 | 0 17 | | | n.a. |
| T 29 | 17 48 | 24 14 | 4 58 | 8 14 | 3 5 | 9 28 | 1 8 | 23 34 | 1 6 | 19 23 | 1 29 | 18 46 | 1 8 | 18 24 | 0 3 | 20 40 | 0 54 | 9 18 | 13 29 | 10 11 | 10 29 | 0 14 | | | n.a. |
| W30 | 18 4 | 27 15 | 5 0 | 8 42 | 2 55 | 9 56 | 1 6 | 23 39 | 1 7 | 19 21 | 1 29 | 18 45 | 1 7 | 18 23 | 0 3 | 20 40 | 0 54 | 9 18 | 13 29 | 10 15 | 10 30 | 0 10 | | | n.a. |
| T 31 | 18n20 | 28n29 | 4n45 | 9n13 | 2s45 | 10n25 | 1s 4 | 23n45 | 1n 7 | 19n19 | 1n29 | 18s44 | 1n 7 | 18s22 | 0n 3 | 20s40 | 0n54 | 9n18 | 13n29 | 10s19 | 10s31 | 0n 7 | | | n.a. |

Julian Day Number = 1006383.5, Delta T = 12h45m10s
Ecliptic obliquity = 23°55'20, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'54, Lahiri = -30°56'53 Julian Calendar 1 May 1958 BCE == Greg. Calendar 14 Apr. 1958 BCE

The year -1957 astronomical counting style corresponds to year 1958 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## JUNE 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 29 32 | 21♉47'47 | 6♋45 | 1♉18 | 0♉25 | 12♊21 | 10♌51 | 26°R43 | 21°R 8 | 4°R53 | 7°R28 | 3°R39 | 3♓12 | 25♍27 | n.a. | F 1 |
| S 2 | 15 33 28 | 22°44'56 | 19°47 | 2°26 | 1°38 | 12°59 | 10°58 | 26♏39 | 21♏ 6 | 4♐52 | 7♎27 | 3♓33 | 3° 8 | 25°34 | n.a. | S 2 |
| S 3 | 15 37 25 | 23°42'05 | 2♌25 | 3°39 | 2°51 | 13°37 | 11° 4 | 26°34 | 21° 4 | 4°50 | 7°26 | 3°30 | 3° 5 | 25°41 | n.a. | S 3 |
| M 4 | 15 41 21 | 24°39'14 | 14°44 | 4°57 | 4° 3 | 14°14 | 11°11 | 26°30 | 21° 1 | 4°49 | 7°25 | 3°28 | 3° 2 | 25°47 | n.a. | M 4 |
| T 5 | 15 45 18 | 25°36'24 | 26°46 | 6°18 | 5°16 | 14°52 | 11°18 | 26°25 | 20°59 | 4°47 | 7°24 | 3°28 | 2°59 | 25°54 | n.a. | T 5 |
| W 6 | 15 49 14 | 26°33'34 | 8♍39 | 7°44 | 6°29 | 15°30 | 11°25 | 26°21 | 20°56 | 4°46 | 7°23 | 3°28 | 2°56 | 26° 1 | n.a. | W 6 |
| T 7 | 15 53 11 | 27°30'44 | 20°28 | 9°15 | 7°42 | 16° 8 | 11°32 | 26°16 | 20°54 | 4°44 | 7°22 | 3°27 | 2°53 | 26° 7 | n.a. | T 7 |
| F 8 | 15 57 7 | 28°27'55 | 2♎17 | 10°49 | 8°55 | 16°46 | 11°40 | 26°12 | 20°52 | 4°42 | 7°21 | 3°24 | 2°49 | 26°14 | n.a. | F 8 |
| S 9 | 16 1 4 | 29°25'07 | 14°12 | 12°27 | 10° 8 | 17°24 | 11°47 | 26° 8 | 20°49 | 4°41 | 7°20 | 3°19 | 2°46 | 26°21 | n.a. | S 9 |
| S 10 | 16 5 1 | 0♊22'19 | 26°16 | 14° 9 | 11°21 | 18° 2 | 11°55 | 26° 3 | 20°47 | 4°39 | 7°19 | 3°11 | 2°43 | 26°27 | n.a. | S 10 |
| M11 | 16 8 57 | 1°19'32 | 8♏32 | 15°55 | 12°34 | 18°40 | 12° 3 | 25°59 | 20°45 | 4°37 | 7°19 | 3° 1 | 2°40 | 26°34 | n.a. | M11 |
| T 12 | 16 12 54 | 2°16'46 | 21° 1 | 17°43 | 13°48 | 19°18 | 12°10 | 25°54 | 20°42 | 4°36 | 7°18 | 2°49 | 2°37 | 26°41 | n.a. | T 12 |
| W13 | 16 16 50 | 3°14'01 | 3♐45 | 19°35 | 15° 1 | 19°55 | 12°18 | 25°50 | 20°40 | 4°34 | 7°17 | 2°36 | 2°33 | 26°47 | n.a. | W13 |
| T 14 | 16 20 47 | 4°11'17 | 16°43 | 21°30 | 16°14 | 20°33 | 12°26 | 25°46 | 20°38 | 4°33 | 7°17 | 2°24 | 2°30 | 26°54 | n.a. | T 14 |
| F 15 | 16 24 43 | 5° 8'34 | 29°55 | 23°27 | 17°27 | 21°11 | 12°35 | 25°41 | 20°35 | 4°31 | 7°16 | 2°13 | 2°27 | 27° 1 | n.a. | F 15 |
| S 16 | 16 28 40 | 6° 5'52 | 13♑17 | 25°26 | 18°40 | 21°49 | 12°43 | 25°37 | 20°33 | 4°29 | 7°15 | 2° 4 | 2°24 | 27° 7 | n.a. | S 16 |
| S 17 | 16 32 37 | 7° 3'12 | 26°50 | 27°27 | 19°54 | 22°27 | 12°51 | 25°33 | 20°31 | 4°28 | 7°15 | 1°58 | 2°21 | 27°14 | n.a. | S 17 |
| M18 | 16 36 33 | 8° 0'33 | 10♒33 | 29°29 | 21° 7 | 23° 5 | 13° 0 | 25°28 | 20°28 | 4°26 | 7°14 | 1°55 | 2°18 | 27°21 | n.a. | M18 |
| T 19 | 16 40 30 | 8°57'55 | 24°24 | 1♊32 | 22°21 | 23°44 | 13° 9 | 25°24 | 20°26 | 4°24 | 7°13 | 1°54 | 2°14 | 27°27 | n.a. | T 19 |
| W20 | 16 44 26 | 9°55'18 | 8♓23 | 3°36 | 23°34 | 24°22 | 13°17 | 25°20 | 20°24 | 4°23 | 7°13 | 1°54 | 2°11 | 27°34 | n.a. | W20 |
| T 21 | 16 48 23 | 10°52'43 | 22°31 | 5°41 | 24°48 | 25° 0 | 13°26 | 25°16 | 20°22 | 4°21 | 7°12 | 1°53 | 2° 8 | 27°41 | n.a. | T 21 |
| F 22 | 16 52 19 | 11°50'10 | 6♈45 | 7°46 | 26° 1 | 25°38 | 13°35 | 25°12 | 20°19 | 4°20 | 7°12 | 1°52 | 2° 5 | 27°47 | n.a. | F 22 |
| S 23 | 16 56 16 | 12°47'38 | 21° 5 | 9°51 | 27°15 | 26°16 | 13°44 | 25° 7 | 20°17 | 4°18 | 7°12 | 1°48 | 2° 2 | 27°54 | n.a. | S 23 |
| S 24 | 17 0 12 | 13°45'07 | 5♉27 | 11°55 | 28°28 | 26°54 | 13°54 | 25° 3 | 20°15 | 4°16 | 7°11 | 1°41 | 1°59 | 28° 0 | n.a. | S 24 |
| M25 | 17 4 9 | 14°42'38 | 19°46 | 13°59 | 29°42 | 27°32 | 14° 3 | 24°59 | 20°13 | 4°15 | 7°11 | 1°32 | 1°55 | 28° 7 | n.a. | M25 |
| T 26 | 17 8 6 | 15°40'11 | 3♊56 | 16° 2 | 0♊55 | 28°10 | 14°12 | 24°55 | 20°11 | 4°13 | 7°10 | 1°21 | 1°52 | 28°14 | n.a. | T 26 |
| W27 | 17 12 2 | 16°37'45 | 17°54 | 18° 4 | 2° 9 | 28°49 | 14°22 | 24°51 | 20° 9 | 4°12 | 7°10 | 1° 9 | 1°49 | 28°20 | n.a. | W27 |
| T 28 | 17 15 59 | 17°35'21 | 1♋33 | 20° 5 | 3°23 | 29°27 | 14°31 | 24°47 | 20° 7 | 4°10 | 7°10 | 0°59 | 1°46 | 28°27 | n.a. | T 28 |
| F 29 | 17 19 55 | 18°32'58 | 14°51 | 22° 5 | 4°37 | 0♋ 5 | 14°41 | 24°44 | 20° 5 | 4° 9 | 7°10 | 0°50 | 1°43 | 28°34 | n.a. | F 29 |
| S 30 | 17 23 52 | 19♊30'36 | 27♋48 | 24♊ 4 | 5♊51 | 0♋43 | 14♌51 | 24♏40 | 20♏ 3 | 4♐ 7 | 7♎10 | 0♓43 | 1♓39 | 28♍40 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 18n35 | 27n58 | 4n13 | 9n46 | 2s34 | 10n53 | 1s 2 | 23n50 | 1n 7 | 19n17 | 1n29 | 18s43 | 1n 7 | 18s22 | 0n 3 | 20s39 | 0n54 | 9n18 | 13n28 | 10s22 | 10s32 | 0n 3 | | n.a. |
| S 2 | 18 50 | 25 53 | 3 30 | 10 20 | 2 22 | 11 20 | 1 0 | 23 55 | 1 7 | 19 15 | 1 29 | 18 43 | 1 7 | 18 21 | 0 3 | 20 39 | 0 54 | 9 18 | 13 28 | 10 24 | 10 33 | 0s 0 | | n.a. |
| S 3 | 19 4 | 22 33 | 2 37 | 10 57 | 2 10 | 11 48 | 0 58 | 24 0 | 1 7 | 19 13 | 1 28 | 18 42 | 1 7 | 18 20 | 0 3 | 20 39 | 0 54 | 9 18 | 13 27 | 10 26 | 10 35 | 0 4 | | n.a. |
| M 4 | 19 19 | 18 18 | 1 38 | 11 35 | 1 58 | 12 15 | 0 56 | 24 5 | 1 7 | 19 11 | 1 28 | 18 41 | 1 7 | 18 20 | 0 3 | 20 39 | 0 54 | 9 18 | 13 27 | 10 26 | 10 36 | 0 7 | | n.a. |
| T 5 | 19 33 | 13 23 | 0 35 | 12 14 | 1 46 | 12 42 | 0 54 | 24 10 | 1 7 | 19 8 | 1 28 | 18 40 | 1 7 | 18 19 | 0 3 | 20 38 | 0 54 | 9 18 | 13 27 | 10 26 | 10 37 | 0 10 | | n.a. |
| W 6 | 19 47 | 8 4 | 0s28 | 12 54 | 1 33 | 13 9 | 0 51 | 24 14 | 1 8 | 19 6 | 1 28 | 18 39 | 1 7 | 18 19 | 0 3 | 20 38 | 0 54 | 9 18 | 13 26 | 10 26 | 10 38 | 0 14 | | n.a. |
| T 7 | 20 0 | 2 30 | 1 29 | 13 36 | 1 20 | 13 35 | 0 49 | 24 18 | 1 8 | 19 4 | 1 27 | 18 38 | 1 7 | 18 18 | 0 3 | 20 38 | 0 54 | 9 18 | 13 26 | 10 27 | 10 39 | 0 17 | | n.a. |
| F 8 | 20 13 | 3s 9 | 2 26 | 14 18 | 1 8 | 14 1 | 0 47 | 24 22 | 1 8 | 19 2 | 1 27 | 18 37 | 1 7 | 18 17 | 0 3 | 20 37 | 0 54 | 9 18 | 13 25 | 10 28 | 10 40 | 0 21 | | n.a. |
| S 9 | 20 26 | 8 44 | 3 18 | 15 1 | 0 55 | 14 27 | 0 44 | 24 26 | 1 8 | 18 59 | 1 27 | 18 36 | 1 7 | 18 17 | 0 3 | 20 37 | 0 54 | 9 18 | 13 25 | 10 29 | 10 42 | 0 24 | | n.a. |
| S 10 | 20 38 | 14 4 | 4 1 | 15 44 | 0 42 | 14 52 | 0 42 | 24 30 | 1 8 | 18 57 | 1 27 | 18 35 | 1 7 | 18 16 | 0 3 | 20 37 | 0 54 | 9 18 | 13 24 | 10 32 | 10 43 | 0 28 | | n.a. |
| M11 | 20 50 | 18 56 | 4 34 | 16 28 | 0 30 | 15 18 | 0 40 | 24 34 | 1 8 | 18 55 | 1 27 | 18 34 | 1 6 | 18 15 | 0 3 | 20 37 | 0 54 | 9 18 | 13 24 | 10 36 | 10 44 | 0 31 | | n.a. |
| T 12 | 21 2 | 23 5 | 4 54 | 17 11 | 0 17 | 15 42 | 0 37 | 24 37 | 1 8 | 18 52 | 1 26 | 18 33 | 1 6 | 18 15 | 0 3 | 20 36 | 0 54 | 9 18 | 13 24 | 10 40 | 10 45 | 0 35 | | n.a. |
| W13 | 21 13 | 26 14 | 5 0 | 17 54 | 0 5 | 16 7 | 0 35 | 24 40 | 1 8 | 18 50 | 1 26 | 18 32 | 1 6 | 18 14 | 0 3 | 20 36 | 0 54 | 9 18 | 13 23 | 10 45 | 10 46 | 0 38 | | n.a. |
| T 14 | 21 25 | 28 4 | 4 51 | 18 36 | 0n 7 | 16 31 | 0 33 | 24 43 | 1 8 | 18 47 | 1 26 | 18 31 | 1 6 | 18 14 | 0 3 | 20 36 | 0 54 | 9 18 | 13 23 | 10 50 | 10 47 | 0 41 | | n.a. |
| F 15 | 21 35 | 28 22 | 4 26 | 19 18 | 0 18 | 16 54 | 0 30 | 24 46 | 1 9 | 18 44 | 1 26 | 18 30 | 1 6 | 18 13 | 0 3 | 20 35 | 0 54 | 9 18 | 13 22 | 10 54 | 10 49 | 0 45 | | n.a. |
| S 16 | 21 46 | 27 0 | 3 47 | 19 58 | 0 29 | 17 17 | 0 28 | 24 48 | 1 9 | 18 42 | 1 26 | 18 29 | 1 6 | 18 12 | 0 3 | 20 35 | 0 54 | 9 17 | 13 22 | 10 57 | 10 50 | 0 48 | | n.a. |
| S 17 | 21 55 | 24 3 | 2 54 | 20 37 | 0 39 | 17 40 | 0 25 | 24 51 | 1 9 | 18 39 | 1 25 | 18 28 | 1 6 | 18 12 | 0 3 | 20 35 | 0 54 | 9 17 | 13 21 | 10 59 | 10 51 | 0 52 | | n.a. |
| M18 | 22 5 | 19 43 | 1 50 | 21 14 | 0 48 | 18 2 | 0 23 | 24 53 | 1 9 | 18 37 | 1 25 | 18 27 | 1 6 | 18 11 | 0 3 | 20 34 | 0 54 | 9 17 | 13 21 | 11 0 | 10 52 | 0 55 | | n.a. |
| T 19 | 22 14 | 14 17 | 0 40 | 21 49 | 0 57 | 18 24 | 0 20 | 24 55 | 1 9 | 18 34 | 1 25 | 18 26 | 1 6 | 18 10 | 0 3 | 20 34 | 0 54 | 9 17 | 13 20 | 11 1 | 10 53 | 0 59 | | n.a. |
| W20 | 22 23 | 8 4 | 0n34 | 22 22 | 1 6 | 18 45 | 0 18 | 24 57 | 1 9 | 18 31 | 1 25 | 18 25 | 1 5 | 18 10 | 0 3 | 20 34 | 0 54 | 9 17 | 13 20 | 11 1 | 10 54 | 1 2 | | n.a. |
| T 21 | 22 32 | 1 24 | 1 47 | 22 53 | 1 13 | 19 6 | 0 15 | 24 59 | 1 9 | 18 28 | 1 25 | 18 24 | 1 5 | 18 9 | 0 3 | 20 34 | 0 54 | 9 16 | 13 19 | 11 1 | 10 56 | 1 5 | | n.a. |
| F 22 | 22 40 | 5n22 | 2 53 | 23 22 | 1 20 | 19 27 | 0 13 | 25 0 | 1 9 | 18 26 | 1 24 | 18 24 | 1 5 | 18 9 | 0 3 | 20 33 | 0 54 | 9 16 | 13 19 | 11 1 | 10 57 | 1 9 | | n.a. |
| S 23 | 22 47 | 11 55 | 3 49 | 23 48 | 1 26 | 19 46 | 0 10 | 25 1 | 1 9 | 18 23 | 1 24 | 18 23 | 1 5 | 18 8 | 0 3 | 20 33 | 0 54 | 9 16 | 13 18 | 11 3 | 10 58 | 1 12 | | n.a. |
| S 24 | 22 55 | 17 50 | 4 31 | 24 11 | 1 31 | 20 6 | 0 8 | 25 3 | 1 9 | 18 20 | 1 24 | 18 22 | 1 5 | 18 8 | 0 3 | 20 33 | 0 54 | 9 15 | 13 18 | 11 5 | 10 59 | 1 16 | | n.a. |
| M25 | 23 1 | 22 45 | 4 55 | 24 32 | 1 36 | 20 24 | 0 5 | 25 3 | 1 10 | 18 17 | 1 24 | 18 21 | 1 5 | 18 7 | 0 3 | 20 32 | 0 54 | 9 15 | 13 17 | 11 9 | 11 0 | 1 19 | | n.a. |
| T 26 | 23 8 | 26 17 | 5 1 | 24 50 | 1 40 | 20 43 | 0 3 | 25 4 | 1 10 | 18 14 | 1 24 | 18 20 | 1 5 | 18 6 | 0 3 | 20 32 | 0 54 | 9 15 | 13 17 | 11 13 | 11 1 | 1 23 | | n.a. |
| W27 | 23 14 | 28 9 | 4 49 | 25 5 | 1 43 | 21 0 | 0 0 | 25 5 | 1 10 | 18 11 | 1 24 | 18 19 | 1 5 | 18 6 | 0 2 | 20 32 | 0 54 | 9 14 | 13 16 | 11 17 | 11 2 | 1 26 | | n.a. |
| T 28 | 23 20 | 28 15 | 4 20 | 25 18 | 1 46 | 21 17 | 0n 2 | 25 5 | 1 10 | 18 8 | 1 23 | 18 18 | 1 4 | 18 5 | 0 2 | 20 32 | 0 54 | 9 14 | 13 16 | 11 21 | 11 4 | 1 29 | | n.a. |
| F 29 | 23 25 | 26 41 | 3 38 | 25 28 | 1 48 | 21 34 | 0 5 | 25 5 | 1 10 | 18 5 | 1 23 | 18 18 | 1 4 | 18 5 | 0 2 | 20 31 | 0 54 | 9 14 | 13 15 | 11 24 | 11 5 | 1 33 | | n.a. |
| S 30 | 23n30 | 23n43 | 2n45 | 25n36 | 1n49 | 21n50 | 0n 7 | 25n 5 | 1n10 | 18n 2 | 1n23 | 18s17 | 1n 4 | 18s 4 | 0n 2 | 20s31 | 0n54 | 9n13 | 13n15 | 11s26 | 11s 6 | 1s36 | | n.a. |

Julian Day Number = 1006414.5, Delta T = 12h45m08s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'50, Lahiri = -30°56'49 Julian Calendar 1 June 1958 BCE == Greg. Calendar 15 May 1958 BCE


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## JULY 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 27 48 | 20♊28'16 | 10♌23 | 26♊ 1 | 7♊ 4 | 1♋22 | 15♌ 1 | 24°R36 | 20°R 1 | 4°R 5 | 7°R 9 | 0°R39 | 1♓36 | 28♍47 | n.a. | S 1 |
| M 2 | 17 31 45 | 21°25'56 | 22°40 | 27°58 | 8°18 | 2° 0 | 15°11 | 24♏32 | 19♏59 | 4♐ 4 | 7♎ 9 | 0♓37 | 1°33 | 28°54 | n.a. | M 2 |
| T 3 | 17 35 42 | 22°23'38 | 4♍43 | 29°53 | 9°32 | 2°38 | 15°21 | 24°29 | 19°57 | 4° 2 | 7° 9 | 0°D37 | 1°30 | 29° 0 | n.a. | T 3 |
| W 4 | 17 39 38 | 23°21'22 | 16°37 | 1♋46 | 10°46 | 3°17 | 15°31 | 24°25 | 19°55 | 4° 1 | 7° 9 | 0°37 | 1°27 | 29° 7 | n.a. | W 4 |
| T 5 | 17 43 35 | 24°19'06 | 28°26 | 3°38 | 12° 0 | 3°55 | 15°41 | 24°21 | 19°53 | 3°59 | 7°D 9 | 0°R37 | 1°24 | 29°14 | n.a. | T 5 |
| F 6 | 17 47 31 | 25°16'52 | 10♎17 | 5°29 | 13°14 | 4°33 | 15°52 | 24°18 | 19°51 | 3°58 | 7° 9 | 0°36 | 1°20 | 29°20 | n.a. | F 6 |
| S 7 | 17 51 28 | 26°14'39 | 22°14 | 7°18 | 14°28 | 5°12 | 16° 2 | 24°15 | 19°50 | 3°56 | 7° 9 | 0°33 | 1°17 | 29°27 | n.a. | S 7 |
| S 8 | 17 55 24 | 27°12'28 | 4♏22 | 9° 6 | 15°42 | 5°50 | 16°12 | 24°11 | 19°48 | 3°55 | 7° 9 | 0°27 | 1°14 | 29°34 | n.a. | S 8 |
| M 9 | 17 59 21 | 28°10'18 | 16°45 | 10°53 | 16°56 | 6°29 | 16°23 | 24° 8 | 19°46 | 3°53 | 7° 9 | 0°20 | 1°11 | 29°40 | n.a. | M 9 |
| T 10 | 18 3 17 | 29° 8'10 | 29°25 | 12°38 | 18°10 | 7° 7 | 16°34 | 24° 5 | 19°44 | 3°52 | 7° 9 | 0°10 | 1° 8 | 29°47 | n.a. | T 10 |
| W11 | 18 7 14 | 0♋ 6'04 | 12♐24 | 14°22 | 19°25 | 7°45 | 16°45 | 24° 1 | 19°43 | 3°51 | 7°10 | 0° 0 | 1° 5 | 29°54 | n.a. | W11 |
| T 12 | 18 11 11 | 1° 3'59 | 25°41 | 16° 5 | 20°39 | 8°24 | 16°55 | 23°58 | 19°41 | 3°49 | 7°10 | 29♒50 | 1° 1 | 0♎ 0 | n.a. | T 12 |
| F 13 | 18 15 7 | 2° 1'56 | 9♑14 | 17°46 | 21°53 | 9° 3 | 17° 6 | 23°55 | 19°40 | 3°48 | 7°10 | 29°41 | 0°58 | 0° 7 | n.a. | F 13 |
| S 14 | 18 19 4 | 2°59'55 | 23° 1 | 19°26 | 23° 7 | 9°41 | 17°17 | 23°52 | 19°38 | 3°46 | 7°10 | 29°34 | 0°55 | 0°14 | n.a. | S 14 |
| S 15 | 18 23 0 | 3°57'55 | 6♒58 | 21° 4 | 24°21 | 10°20 | 17°28 | 23°50 | 19°36 | 3°45 | 7°11 | 29°30 | 0°52 | 0°20 | n.a. | S 15 |
| M16 | 18 26 57 | 4°55'58 | 21° 3 | 22°42 | 25°36 | 10°58 | 17°39 | 23°47 | 19°35 | 3°44 | 7°11 | 29°28 | 0°49 | 0°27 | n.a. | M16 |
| T 17 | 18 30 53 | 5°54'02 | 5♓11 | 24°18 | 26°50 | 11°37 | 17°51 | 23°44 | 19°34 | 3°42 | 7°11 | 29°D28 | 0°45 | 0°34 | n.a. | T 17 |
| W18 | 18 34 50 | 6°52'09 | 19°21 | 25°52 | 28° 5 | 12°15 | 18° 2 | 23°41 | 19°32 | 3°41 | 7°12 | 29°28 | 0°42 | 0°40 | n.a. | W18 |
| T 19 | 18 38 46 | 7°50'18 | 3♈31 | 27°26 | 29°19 | 12°54 | 18°13 | 23°39 | 19°31 | 3°40 | 7°12 | 29°R29 | 0°39 | 0°47 | n.a. | T 19 |
| F 20 | 18 42 43 | 8°48'29 | 17°39 | 28°58 | 0♋33 | 13°33 | 18°25 | 23°36 | 19°30 | 3°39 | 7°13 | 29°29 | 0°36 | 0°54 | n.a. | F 20 |
| S 21 | 18 46 40 | 9°46'43 | 1♉45 | 0♌29 | 1°48 | 14°12 | 18°36 | 23°34 | 19°28 | 3°37 | 7°13 | 29°27 | 0°33 | 1° 0 | n.a. | S 21 |
| S 22 | 18 50 36 | 10°44'58 | 15°45 | 1°59 | 3° 2 | 14°50 | 18°48 | 23°32 | 19°27 | 3°36 | 7°14 | 29°23 | 0°30 | 1° 7 | n.a. | S 22 |
| M23 | 18 54 33 | 11°43'16 | 29°39 | 3°27 | 4°17 | 15°29 | 18°59 | 23°29 | 19°26 | 3°35 | 7°14 | 29°17 | 0°26 | 1°14 | n.a. | M23 |
| T 24 | 18 58 29 | 12°41'36 | 13♊23 | 4°54 | 5°32 | 16° 8 | 19°11 | 23°27 | 19°25 | 3°34 | 7°15 | 29° 9 | 0°23 | 1°20 | n.a. | T 24 |
| W25 | 19 2 26 | 13°39'59 | 26°55 | 6°20 | 6°46 | 16°47 | 19°23 | 23°25 | 19°24 | 3°33 | 7°15 | 29° 2 | 0°20 | 1°27 | n.a. | W25 |
| T 26 | 19 6 22 | 14°38'23 | 10♋12 | 7°44 | 8° 1 | 17°26 | 19°35 | 23°23 | 19°23 | 3°31 | 7°16 | 28°54 | 0°17 | 1°34 | n.a. | T 26 |
| F 27 | 19 10 19 | 15°36'50 | 23°13 | 9° 7 | 9°16 | 18° 4 | 19°46 | 23°21 | 19°22 | 3°30 | 7°17 | 28°48 | 0°14 | 1°40 | n.a. | F 27 |
| S 28 | 19 14 15 | 16°35'18 | 5♌57 | 10°29 | 10°30 | 18°43 | 19°58 | 23°20 | 19°21 | 3°29 | 7°18 | 28°44 | 0°11 | 1°47 | n.a. | S 28 |
| S 29 | 19 18 12 | 17°33'49 | 18°24 | 11°49 | 11°45 | 19°22 | 20°10 | 23°18 | 19°20 | 3°28 | 7°18 | 28°41 | 0° 7 | 1°54 | n.a. | S 29 |
| M30 | 19 22 9 | 18°32'21 | 0♍37 | 13° 8 | 13° 0 | 20° 1 | 20°22 | 23°16 | 19°19 | 3°27 | 7°19 | 28°D41 | 0° 4 | 2° 0 | n.a. | M30 |
| T 31 | 19 26 5 | 19♋30'55 | 12♍37 | 14♌25 | 14♋15 | 20♋40 | 20♌34 | 23♏15 | 19♏18 | 3♐26 | 7♎20 | 28♒42 | 0♓ 1 | 2♎ 7 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | | ☊ | | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | | decl | | decl | | decl | lat |
| S 1 | 23n34 | 19n41 | 1n45 | 25n41 | 1n49 | 22n 5 | 0n10 | 25n 5 | 1n10 | 17n59 | 1n23 | 18s16 | 1n 4 | 18s 4 | 0n 2 | 20s31 | 0n54 | 9n13 | 13n14 | 11s28 | 11s 7 | 1s40 | | | | | n.a. |
| M 2 | 23 38 | 14 54 | 0 42 | 25 44 | 1 49 | 22 20 | 0 12 | 25 4 | 1 10 | 17 55 | 1 23 | 18 15 | 1 4 | 18 3 | 0 2 | 20 31 | 0 54 | 9 13 | 13 14 | 11 28 | 11 8 | 1 43 | | | | | n.a. |
| T 3 | 23 42 | 9 38 | 0s22 | 25 44 | 1 49 | 22 34 | 0 14 | 25 4 | 1 10 | 17 52 | 1 23 | 18 14 | 1 4 | 18 3 | 0 2 | 20 30 | 0 54 | 9 12 | 13 13 | 11 29 | 11 9 | 1 46 | | | | | n.a. |
| W 4 | 23 45 | 4 6 | 1 24 | 25 42 | 1 48 | 22 47 | 0 17 | 25 3 | 1 10 | 17 49 | 1 22 | 18 14 | 1 4 | 18 2 | 0 2 | 20 30 | 0 54 | 9 12 | 13 13 | 11 28 | 11 11 | 1 50 | | | | | n.a. |
| T 5 | 23 48 | 1s32 | 2 23 | 25 38 | 1 46 | 23 0 | 0 19 | 25 2 | 1 10 | 17 46 | 1 22 | 18 13 | 1 4 | 18 2 | 0 2 | 20 30 | 0 54 | 9 11 | 13 12 | 11 28 | 11 12 | 1 53 | | | | | n.a. |
| F 6 | 23 50 | 7 8 | 3 15 | 25 32 | 1 44 | 23 12 | 0 22 | 25 1 | 1 10 | 17 42 | 1 22 | 18 12 | 1 3 | 18 1 | 0 2 | 20 30 | 0 53 | 9 11 | 13 12 | 11 29 | 11 13 | 1 57 | | | | | n.a. |
| S 7 | 23 52 | 12 31 | 3 59 | 25 24 | 1 41 | 23 23 | 0 24 | 24 59 | 1 10 | 17 39 | 1 22 | 18 11 | 1 3 | 18 1 | 0 2 | 20 29 | 0 53 | 9 10 | 13 11 | 11 30 | 11 14 | 2 0 | | | | | n.a. |
| S 8 | 23 53 | 17 30 | 4 34 | 25 14 | 1 38 | 23 34 | 0 26 | 24 58 | 1 10 | 17 36 | 1 22 | 18 11 | 1 3 | 18 0 | 0 2 | 20 29 | 0 53 | 9 10 | 13 11 | 11 32 | 11 15 | 2 4 | | | | | n.a. |
| M 9 | 23 54 | 21 53 | 4 56 | 25 2 | 1 34 | 23 44 | 0 28 | 24 56 | 1 10 | 17 32 | 1 22 | 18 10 | 1 3 | 18 0 | 0 2 | 20 29 | 0 53 | 9 9 | 13 10 | 11 35 | 11 16 | 2 7 | | | | | n.a. |
| T 10 | 23 55 | 25 22 | 5 4 | 24 49 | 1 31 | 23 54 | 0 31 | 24 54 | 1 10 | 17 29 | 1 22 | 18 9 | 1 3 | 17 59 | 0 2 | 20 28 | 0 53 | 9 9 | 13 10 | 11 38 | 11 17 | 2 10 | | | | | n.a. |
| W11 | 23 55 | 27 39 | 4 57 | 24 33 | 1 26 | 24 2 | 0 33 | 24 52 | 1 10 | 17 25 | 1 21 | 18 9 | 1 3 | 17 59 | 0 2 | 20 28 | 0 53 | 9 8 | 13 9 | 11 42 | 11 19 | 2 14 | | | | | n.a. |
| T 12 | 23 55 | 28 25 | 4 34 | 24 17 | 1 22 | 24 10 | 0 35 | 24 49 | 1 10 | 17 22 | 1 21 | 18 8 | 1 2 | 17 58 | 0 2 | 20 28 | 0 53 | 9 8 | 13 9 | 11 45 | 11 20 | 2 17 | | | | | n.a. |
| F 13 | 23 54 | 27 30 | 3 55 | 23 59 | 1 17 | 24 17 | 0 37 | 24 47 | 1 10 | 17 18 | 1 21 | 18 8 | 1 2 | 17 58 | 0 2 | 20 28 | 0 53 | 9 7 | 13 8 | 11 49 | 11 21 | 2 21 | | | | | n.a. |
| S 14 | 23 53 | 24 54 | 3 2 | 23 39 | 1 11 | 24 24 | 0 39 | 24 44 | 1 10 | 17 15 | 1 21 | 18 7 | 1 2 | 17 58 | 0 2 | 20 28 | 0 53 | 9 6 | 13 8 | 11 51 | 11 22 | 2 24 | | | | | n.a. |
| S 15 | 23 52 | 20 48 | 1 58 | 23 19 | 1 6 | 24 29 | 0 41 | 24 41 | 1 10 | 17 11 | 1 21 | 18 6 | 1 2 | 17 57 | 0 2 | 20 27 | 0 53 | 9 6 | 13 7 | 11 53 | 11 23 | 2 27 | | | | | n.a. |
| M16 | 23 50 | 15 29 | 0 45 | 22 57 | 1 0 | 24 34 | 0 44 | 24 38 | 1 10 | 17 8 | 1 21 | 18 6 | 1 2 | 17 57 | 0 2 | 20 27 | 0 53 | 9 5 | 13 6 | 11 53 | 11 24 | 2 31 | | | | | n.a. |
| T 17 | 23 47 | 9 19 | 0n31 | 22 34 | 0 53 | 24 39 | 0 46 | 24 34 | 1 10 | 17 4 | 1 21 | 18 5 | 1 2 | 17 56 | 0 2 | 20 27 | 0 53 | 9 5 | 13 6 | 11 53 | 11 25 | 2 34 | | | | | n.a. |
| W18 | 23 44 | 2 42 | 1 45 | 22 10 | 0 47 | 24 42 | 0 48 | 24 31 | 1 10 | 17 0 | 1 20 | 18 5 | 1 2 | 17 56 | 0 2 | 20 27 | 0 53 | 9 4 | 13 5 | 11 53 | 11 27 | 2 38 | | | | | n.a. |
| T 19 | 23 41 | 4n 3 | 2 53 | 21 45 | 0 40 | 24 45 | 0 49 | 24 27 | 1 10 | 16 57 | 1 20 | 18 4 | 1 1 | 17 56 | 0 2 | 20 26 | 0 53 | 9 3 | 13 5 | 11 53 | 11 28 | 2 41 | | | | | n.a. |
| F 20 | 23 37 | 10 35 | 3 50 | 21 19 | 0 33 | 24 47 | 0 51 | 24 23 | 1 11 | 16 53 | 1 20 | 18 4 | 1 1 | 17 55 | 0 2 | 20 26 | 0 53 | 9 3 | 13 4 | 11 53 | 11 29 | 2 44 | | | | | n.a. |
| S 21 | 23 33 | 16 34 | 4 33 | 20 53 | 0 26 | 24 48 | 0 53 | 24 19 | 1 11 | 16 49 | 1 20 | 18 3 | 1 1 | 17 55 | 0 2 | 20 26 | 0 53 | 9 2 | 13 4 | 11 54 | 11 30 | 2 48 | | | | | n.a. |
| S 22 | 23 29 | 21 38 | 4 59 | 20 25 | 0 19 | 24 48 | 0 55 | 24 15 | 1 11 | 16 45 | 1 20 | 18 3 | 1 1 | 17 55 | 0 2 | 20 26 | 0 53 | 9 1 | 13 3 | 11 55 | 11 31 | 2 51 | | | | | n.a. |
| M23 | 23 24 | 25 29 | 5 8 | 19 57 | 0 11 | 24 48 | 0 57 | 24 10 | 1 10 | 16 42 | 1 20 | 18 3 | 1 1 | 17 54 | 0 2 | 20 26 | 0 53 | 9 1 | 13 3 | 11 57 | 11 32 | 2 55 | | | | | n.a. |
| T 24 | 23 18 | 27 48 | 4 58 | 19 29 | 0 4 | 24 47 | 0 59 | 24 5 | 1 10 | 16 38 | 1 20 | 18 2 | 1 1 | 17 54 | 0 2 | 20 25 | 0 53 | 9 0 | 13 2 | 12 0 | 11 34 | 2 58 | | | | | n.a. |
| W25 | 23 12 | 28 25 | 4 32 | 19 0 | 0s 4 | 24 45 | 1 0 | 24 1 | 1 10 | 16 34 | 1 20 | 18 2 | 1 0 | 17 54 | 0 2 | 20 25 | 0 53 | 8 59 | 13 2 | 12 3 | 11 35 | 3 1 | | | | | n.a. |
| T 26 | 23 6 | 27 22 | 3 52 | 18 30 | 0 12 | 24 42 | 1 2 | 23 55 | 1 10 | 16 30 | 1 20 | 18 1 | 1 0 | 17 53 | 0 2 | 20 25 | 0 53 | 8 58 | 13 1 | 12 5 | 11 36 | 3 5 | | | | | n.a. |
| F 27 | 22 59 | 24 50 | 3 0 | 18 0 | 0 21 | 24 39 | 1 3 | 23 50 | 1 10 | 16 26 | 1 19 | 18 1 | 1 0 | 17 53 | 0 2 | 20 25 | 0 53 | 8 58 | 13 1 | 12 7 | 11 37 | 3 8 | | | | | n.a. |
| S 28 | 22 52 | 21 6 | 2 0 | 17 30 | 0 29 | 24 35 | 1 5 | 23 45 | 1 10 | 16 22 | 1 19 | 18 1 | 1 0 | 17 53 | 0 2 | 20 25 | 0 53 | 8 57 | 13 0 | 12 9 | 11 38 | 3 12 | | | | | n.a. |
| S 29 | 22 45 | 16 30 | 0 56 | 17 0 | 0 37 | 24 30 | 1 6 | 23 39 | 1 10 | 16 18 | 1 19 | 18 1 | 1 0 | 17 53 | 0 2 | 20 24 | 0 53 | 8 56 | 13 0 | 12 10 | 11 39 | 3 15 | | | | | n.a. |
| M30 | 22 37 | 11 19 | 0s11 | 16 29 | 0 46 | 24 24 | 1 8 | 23 33 | 1 10 | 16 14 | 1 19 | 18 0 | 1 0 | 17 52 | 0 2 | 20 24 | 0 53 | 8 55 | 12 59 | 12 10 | 11 40 | 3 18 | | | | | n.a. |
| T 31 | 22n28 | 5n48 | 1s15 | 15n58 | 0s54 | 24n17 | 1n 9 | 23n27 | 1n10 | 16n10 | 1n19 | 18s 0 | 0n59 | 17s52 | 0n 2 | 20s24 | 0n53 | 8n55 | 12n59 | 12s10 | 11s41 | 3s22 | | | | | n.a. |

Julian Day Number = 1006444.5, Delta T = 12h45m06s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'46, Lahiri = -30°56'45 Julian Calendar 1 July 1958 BCE == Greg. Calendar 14 June 1958 BCE

The year -1957 astronomical counting style corresponds to year 1958 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## AUGUST 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 30 2 | 20♋29'31 | 24♍30 | 15♌41 | 15♋29 | 21♋19 | 20♌47 | 23°R13 | 19°R17 | 3°R25 | 7♎21 | 28♒43 | 29♒58 | 2♎14 | n.a. | W 1 |
| T 2 | 19 33 58 | 21°28'09 | 6♎19 | 16°55 | 16°44 | 21°58 | 20°59 | 23♏12 | 19♏17 | 3♐24 | 7°22 | 28°45 | 29°55 | 2°20 | n.a. | T 2 |
| F 3 | 19 37 55 | 22°26'49 | 18°10 | 18° 7 | 17°59 | 22°37 | 21°11 | 23°11 | 19°16 | 3°23 | 7°23 | 28°R46 | 29°51 | 2°27 | n.a. | F 3 |
| S 4 | 19 41 51 | 23°25'30 | 0♏ 7 | 19°17 | 19°14 | 23°16 | 21°23 | 23°10 | 19°15 | 3°22 | 7°24 | 28°46 | 29°48 | 2°34 | n.a. | S 4 |
| S 5 | 19 45 48 | 24°24'14 | 12°15 | 20°26 | 20°29 | 23°55 | 21°36 | 23° 9 | 19°15 | 3°21 | 7°25 | 28°44 | 29°45 | 2°40 | n.a. | S 5 |
| M 6 | 19 49 44 | 25°23'00 | 24°40 | 21°32 | 21°44 | 24°35 | 21°48 | 23° 8 | 19°14 | 3°21 | 7°26 | 28°41 | 29°42 | 2°47 | n.a. | M 6 |
| T 7 | 19 53 41 | 26°21'47 | 7♐23 | 22°36 | 22°59 | 25°14 | 22° 0 | 23° 7 | 19°14 | 3°20 | 7°27 | 28°37 | 29°39 | 2°54 | n.a. | T 7 |
| W 8 | 19 57 37 | 27°20'37 | 20°29 | 23°38 | 24°14 | 25°53 | 22°13 | 23° 6 | 19°13 | 3°19 | 7°28 | 28°32 | 29°36 | 3° 0 | n.a. | W 8 |
| T 9 | 20 1 34 | 28°19'28 | 3♑58 | 24°38 | 25°29 | 26°32 | 22°25 | 23° 6 | 19°13 | 3°18 | 7°29 | 28°27 | 29°32 | 3° 7 | n.a. | T 9 |
| F 10 | 20 5 31 | 29°18'22 | 17°48 | 25°35 | 26°44 | 27°11 | 22°38 | 23° 5 | 19°13 | 3°18 | 7°30 | 28°23 | 29°29 | 3°14 | n.a. | F 10 |
| S 11 | 20 9 27 | 0♌17'17 | 1♒57 | 26°28 | 27°59 | 27°51 | 22°51 | 23° 5 | 19°12 | 3°17 | 7°31 | 28°20 | 29°26 | 3°20 | n.a. | S 11 |
| S 12 | 20 13 24 | 1°16'15 | 16°20 | 27°19 | 29°14 | 28°30 | 23° 3 | 23° 4 | 19°12 | 3°16 | 7°33 | 28°18 | 29°23 | 3°27 | n.a. | S 12 |
| M13 | 20 17 20 | 2°15'15 | 0♓51 | 28° 7 | 0♌29 | 29° 9 | 23°16 | 23° 4 | 19°12 | 3°15 | 7°34 | 28°D17 | 29°20 | 3°34 | n.a. | M13 |
| T 14 | 20 21 17 | 3°14'18 | 15°25 | 28°50 | 1°44 | 29°49 | 23°29 | 23° 4 | 19°12 | 3°15 | 7°35 | 28°18 | 29°17 | 3°40 | n.a. | T 14 |
| W15 | 20 25 13 | 4°13'22 | 29°56 | 29°30 | 2°59 | 0♌28 | 23°41 | 23°D 4 | 19°12 | 3°14 | 7°36 | 28°19 | 29°13 | 3°47 | n.a. | W15 |
| T 16 | 20 29 10 | 5°12'30 | 14♈21 | 0♍ 6 | 4°14 | 1° 7 | 23°54 | 23° 4 | 19°D12 | 3°14 | 7°38 | 28°21 | 29°10 | 3°54 | n.a. | T 16 |
| F 17 | 20 33 6 | 6°11'40 | 28°35 | 0°37 | 5°29 | 1°47 | 24° 7 | 23° 4 | 19°12 | 3°13 | 7°39 | 28°22 | 29° 7 | 4° 1 | n.a. | F 17 |
| S 18 | 20 37 3 | 7°10'52 | 12♉37 | 1° 3 | 6°44 | 2°26 | 24°20 | 23° 4 | 19°12 | 3°13 | 7°41 | 28°R22 | 29° 4 | 4° 7 | n.a. | S 18 |
| S 19 | 20 40 59 | 8°10'07 | 26°26 | 1°23 | 7°59 | 3° 6 | 24°33 | 23° 5 | 19°12 | 3°12 | 7°42 | 28°21 | 29° 1 | 4°14 | n.a. | S 19 |
| M20 | 20 44 56 | 9° 9'24 | 10♊ 1 | 1°38 | 9°15 | 3°45 | 24°45 | 23° 5 | 19°12 | 3°12 | 7°43 | 28°19 | 28°57 | 4°21 | n.a. | M20 |
| T 21 | 20 48 53 | 10° 8'45 | 23°22 | 1°46 | 10°30 | 4°25 | 24°58 | 23° 6 | 19°12 | 3°11 | 7°45 | 28°17 | 28°54 | 4°27 | n.a. | T 21 |
| W22 | 20 52 49 | 11° 8'07 | 6♋29 | 1°R47 | 11°45 | 5° 5 | 25°11 | 23° 6 | 19°12 | 3°11 | 7°46 | 28°14 | 28°51 | 4°34 | n.a. | W22 |
| T 23 | 20 56 46 | 12° 7'32 | 19°22 | 1°42 | 13° 0 | 5°44 | 25°24 | 23° 7 | 19°13 | 3°11 | 7°48 | 28°12 | 28°48 | 4°41 | n.a. | T 23 |
| F 24 | 21 0 42 | 13° 6'59 | 2♌ 2 | 1°28 | 14°16 | 6°24 | 25°37 | 23° 8 | 19°13 | 3°10 | 7°50 | 28°10 | 28°45 | 4°47 | n.a. | F 24 |
| S 25 | 21 4 39 | 14° 6'28 | 14°30 | 1° 7 | 15°31 | 7° 4 | 25°50 | 23° 9 | 19°14 | 3°10 | 7°51 | 28° 9 | 28°42 | 4°54 | n.a. | S 25 |
| S 26 | 21 8 35 | 15° 6'00 | 26°45 | 0°38 | 16°46 | 7°43 | 26° 3 | 23°10 | 19°14 | 3°10 | 7°53 | 28°D 8 | 28°38 | 5° 1 | n.a. | S 26 |
| M27 | 21 12 32 | 16° 5'34 | 8♍49 | 0° 1 | 18° 1 | 8°23 | 26°16 | 23°11 | 19°15 | 3°10 | 7°54 | 28° 8 | 28°35 | 5° 7 | n.a. | M27 |
| T 28 | 21 16 28 | 17° 5'09 | 20°46 | 29♌15 | 19°17 | 9° 3 | 26°29 | 23°12 | 19°15 | 3° 9 | 7°56 | 28° 9 | 28°32 | 5°14 | n.a. | T 28 |
| W29 | 21 20 25 | 18° 4'47 | 2♎37 | 28°22 | 20°32 | 9°43 | 26°43 | 23°13 | 19°16 | 3° 9 | 7°58 | 28°10 | 28°29 | 5°21 | n.a. | W29 |
| T 30 | 21 24 21 | 19° 4'27 | 14°25 | 27°22 | 21°47 | 10°23 | 26°56 | 23°15 | 19°17 | 3° 9 | 7°59 | 28°11 | 28°26 | 5°27 | n.a. | T 30 |
| F 31 | 21 28 18 | 20♌ 4'09 | 26♎15 | 26♌16 | 23♌ 3 | 11♌ 3 | 27♌ 9 | 23♏16 | 19♏17 | 3♐ 9 | 8♎ 1 | 28♒12 | 28♒23 | 5♎34 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| W 1 | 22n19 | 0n 9 | 2s16 | 15n28 | 1s 3 | 24n10 | 1n11 | 23n21 | 1n10 | 16n 6 | 1n19 | 18s 0 | 0n59 | 17s52 | 0n 2 | 20s24 | 0n53 | 8n54 | 12n58 | 12s 9 | 11s43 | 3s25 | | | n.a. |
| T 2 | 22 10 | 5s28 | 3 11 | 14 57 | 1 12 | 24 2 | 1 12 | 23 15 | 1 10 | 16 2 | 1 19 | 18 0 | 0 59 | 17 52 | 0 2 | 20 24 | 0 53 | 8 53 | 12 58 | 12 9 | 11 44 | 3 29 | | | n.a. |
| F 3 | 22 1 | 10 54 | 3 57 | 14 26 | 1 20 | 23 53 | 1 13 | 23 8 | 1 10 | 15 58 | 1 19 | 18 0 | 0 59 | 17 52 | 0 2 | 20 24 | 0 53 | 8 52 | 12 57 | 12 8 | 11 45 | 3 32 | | | n.a. |
| S 4 | 21 51 | 16 0 | 4 34 | 13 56 | 1 29 | 23 44 | 1 14 | 23 1 | 1 10 | 15 54 | 1 19 | 17 59 | 0 59 | 17 51 | 0 2 | 20 24 | 0 53 | 8 51 | 12 57 | 12 8 | 11 46 | 3 35 | | | n.a. |
| S 5 | 21 40 | 20 34 | 5 0 | 13 26 | 1 38 | 23 34 | 1 15 | 22 54 | 1 10 | 15 50 | 1 19 | 17 59 | 0 59 | 17 51 | 0 2 | 20 23 | 0 53 | 8 50 | 12 56 | 12 9 | 11 47 | 3 39 | | | n.a. |
| M 6 | 21 29 | 24 20 | 5 11 | 12 56 | 1 46 | 23 23 | 1 16 | 22 47 | 1 10 | 15 45 | 1 19 | 17 59 | 0 58 | 17 51 | 0 2 | 20 23 | 0 53 | 8 50 | 12 56 | 12 10 | 11 48 | 3 42 | | | n.a. |
| T 7 | 21 18 | 27 3 | 5 9 | 12 27 | 1 55 | 23 11 | 1 17 | 22 40 | 1 10 | 15 41 | 1 18 | 17 59 | 0 58 | 17 51 | 0 2 | 20 23 | 0 52 | 8 49 | 12 55 | 12 11 | 11 49 | 3 45 | | | n.a. |
| W 8 | 21 7 | 28 23 | 4 50 | 11 58 | 2 4 | 22 59 | 1 18 | 22 32 | 1 10 | 15 37 | 1 18 | 17 59 | 0 58 | 17 51 | 0 2 | 20 23 | 0 52 | 8 48 | 12 55 | 12 13 | 11 51 | 3 49 | | | n.a. |
| T 9 | 20 55 | 28 6 | 4 15 | 11 30 | 2 12 | 22 46 | 1 19 | 22 25 | 1 10 | 15 33 | 1 18 | 17 59 | 0 58 | 17 51 | 0 2 | 20 23 | 0 52 | 8 47 | 12 54 | 12 15 | 11 52 | 3 52 | | | n.a. |
| F 10 | 20 42 | 26 5 | 3 24 | 11 3 | 2 21 | 22 32 | 1 20 | 22 17 | 1 10 | 15 29 | 1 18 | 17 59 | 0 58 | 17 51 | 0 2 | 20 23 | 0 52 | 8 46 | 12 54 | 12 16 | 11 53 | 3 56 | | | n.a. |
| S 11 | 20 30 | 22 23 | 2 20 | 10 37 | 2 29 | 22 18 | 1 20 | 22 9 | 1 10 | 15 24 | 1 18 | 17 59 | 0 58 | 17 51 | 0 2 | 20 23 | 0 52 | 8 45 | 12 53 | 12 18 | 11 54 | 3 59 | | | n.a. |
| S 12 | 20 17 | 17 18 | 1 5 | 10 12 | 2 37 | 22 3 | 1 21 | 22 1 | 1 10 | 15 20 | 1 18 | 17 59 | 0 57 | 17 51 | 0 2 | 20 23 | 0 52 | 8 44 | 12 53 | 12 18 | 11 55 | 4 2 | | | n.a. |
| M13 | 20 3 | 11 10 | 0n14 | 9 48 | 2 45 | 21 47 | 1 22 | 21 52 | 1 10 | 15 16 | 1 18 | 18 0 | 0 57 | 17 51 | 0 2 | 20 23 | 0 52 | 8 43 | 12 52 | 12 18 | 11 56 | 4 6 | | | n.a. |
| T 14 | 19 49 | 4 26 | 1 33 | 9 25 | 2 52 | 21 31 | 1 22 | 21 44 | 1 10 | 15 11 | 1 18 | 18 0 | 0 57 | 17 51 | 0 2 | 20 22 | 0 52 | 8 42 | 12 52 | 12 18 | 11 57 | 4 9 | | | n.a. |
| W15 | 19 35 | 2n30 | 2 45 | 9 5 | 3 0 | 21 14 | 1 23 | 21 35 | 1 10 | 15 7 | 1 18 | 18 0 | 0 57 | 17 51 | 0 2 | 20 22 | 0 52 | 8 41 | 12 51 | 12 18 | 11 59 | 4 12 | | | n.a. |
| T 16 | 19 21 | 9 14 | 3 47 | 8 46 | 3 6 | 20 56 | 1 23 | 21 26 | 1 9 | 15 3 | 1 18 | 18 0 | 0 57 | 17 51 | 0 2 | 20 22 | 0 52 | 8 40 | 12 51 | 12 17 | 12 0 | 4 16 | | | n.a. |
| F 17 | 19 6 | 15 26 | 4 34 | 8 29 | 3 13 | 20 38 | 1 24 | 21 17 | 1 9 | 14 58 | 1 18 | 18 0 | 0 56 | 17 51 | 0 2 | 20 22 | 0 52 | 8 39 | 12 51 | 12 17 | 12 1 | 4 19 | | | n.a. |
| S 18 | 18 51 | 20 44 | 5 3 | 8 14 | 3 19 | 20 19 | 1 24 | 21 8 | 1 9 | 14 54 | 1 18 | 18 0 | 0 56 | 17 51 | 0 2 | 20 22 | 0 52 | 8 39 | 12 50 | 12 17 | 12 2 | 4 23 | | | n.a. |
| S 19 | 18 35 | 24 50 | 5 15 | 8 2 | 3 24 | 19 59 | 1 24 | 20 59 | 1 9 | 14 49 | 1 18 | 18 1 | 0 56 | 17 51 | 0 2 | 20 22 | 0 52 | 8 38 | 12 50 | 12 17 | 12 3 | 4 26 | | | n.a. |
| M20 | 18 20 | 27 29 | 5 9 | 7 52 | 3 28 | 19 39 | 1 24 | 20 49 | 1 9 | 14 45 | 1 18 | 18 1 | 0 56 | 17 51 | 0 2 | 20 22 | 0 52 | 8 37 | 12 49 | 12 18 | 12 4 | 4 29 | | | n.a. |
| T 21 | 18 3 | 28 30 | 4 46 | 7 46 | 3 32 | 19 19 | 1 24 | 20 39 | 1 9 | 14 40 | 1 18 | 18 1 | 0 56 | 17 51 | 0 2 | 20 22 | 0 52 | 8 36 | 12 49 | 12 19 | 12 5 | 4 33 | | | n.a. |
| W22 | 17 47 | 27 53 | 4 8 | 7 43 | 3 35 | 18 57 | 1 24 | 20 30 | 1 9 | 14 36 | 1 18 | 18 2 | 0 56 | 17 51 | 0 2 | 20 22 | 0 52 | 8 35 | 12 48 | 12 20 | 12 6 | 4 36 | | | n.a. |
| T 23 | 17 30 | 25 45 | 3 18 | 7 43 | 3 37 | 18 36 | 1 24 | 20 20 | 1 9 | 14 32 | 1 18 | 18 2 | 0 55 | 17 51 | 0 2 | 20 22 | 0 52 | 8 34 | 12 48 | 12 20 | 12 8 | 4 39 | | | n.a. |
| F 24 | 17 13 | 22 22 | 2 19 | 7 48 | 3 37 | 18 13 | 1 24 | 20 9 | 1 9 | 14 27 | 1 18 | 18 2 | 0 55 | 17 51 | 0 2 | 20 22 | 0 52 | 8 33 | 12 47 | 12 21 | 12 9 | 4 43 | | | n.a. |
| S 25 | 16 56 | 18 0 | 1 15 | 7 56 | 3 36 | 17 51 | 1 24 | 19 59 | 1 9 | 14 22 | 1 18 | 18 3 | 0 55 | 17 51 | 0 2 | 20 22 | 0 52 | 8 32 | 12 47 | 12 22 | 12 10 | 4 46 | | | n.a. |
| S 26 | 16 38 | 12 58 | 0 8 | 8 9 | 3 34 | 17 27 | 1 24 | 19 49 | 1 8 | 14 18 | 1 17 | 18 3 | 0 55 | 17 51 | 0 2 | 20 22 | 0 52 | 8 31 | 12 47 | 12 22 | 12 11 | 4 49 | | | n.a. |
| M27 | 16 20 | 7 31 | 0s59 | 8 26 | 3 29 | 17 3 | 1 23 | 19 38 | 1 8 | 14 13 | 1 17 | 18 4 | 0 55 | 17 52 | 0 2 | 20 22 | 0 52 | 8 29 | 12 46 | 12 22 | 12 12 | 4 53 | | | n.a. |
| T 28 | 16 2 | 1 52 | 2 2 | 8 48 | 3 23 | 16 39 | 1 23 | 19 27 | 1 8 | 14 9 | 1 17 | 18 4 | 0 55 | 17 52 | 0 2 | 20 22 | 0 52 | 8 28 | 12 46 | 12 21 | 12 13 | 4 56 | | | n.a. |
| W29 | 15 43 | 3s48 | 3 0 | 9 14 | 3 15 | 16 14 | 1 23 | 19 16 | 1 8 | 14 4 | 1 17 | 18 5 | 0 54 | 17 52 | 0 2 | 20 22 | 0 52 | 8 27 | 12 45 | 12 21 | 12 14 | 4 59 | | | n.a. |
| T 30 | 15 24 | 9 18 | 3 49 | 9 44 | 3 5 | 15 49 | 1 22 | 19 5 | 1 8 | 14 0 | 1 17 | 18 5 | 0 54 | 17 52 | 0 2 | 20 22 | 0 52 | 8 26 | 12 45 | 12 21 | 12 15 | 5 3 | | | n.a. |
| F 31 | 15n 5 | 14s30 | 4s30 | 10n18 | 2s53 | 15n24 | 1n22 | 18n54 | 1n 8 | 13n55 | 1n17 | 18s 6 | 0n54 | 17s52 | 0n 2 | 20s22 | 0n52 | 8n25 | 12n45 | 12s20 | 12s17 | 5s 6 | | | n.a. |

Julian Day Number = 1006475.5, Delta T = 12h45m03s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'41, Lahiri = -30°56'41 Julian Calendar 1 Aug. 1958 BCE == Greg. Calendar 15 July 1958 BCE

The year -1957 astronomical counting style corresponds to year 1958 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## SEPTEMBER 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 32 15 | 21♌ 3'52 | 8♏10 | 25°R 6 | 24♌18 | 11♌42 | 27♌22 | 23♏18 | 19♏18 | 3°R 9 | 8♎ 3 | 28♒13 | 28♒19 | 5♎41 | n.a. | S 1 |
| S 2 | 21 36 11 | 22° 3'38 | 20°17 | 23♌53 | 25°33 | 12°22 | 27°35 | 23°20 | 19°19 | 3°D 9 | 8° 5 | 28°R13 | 28°16 | 5°47 | n.a. | S 2 |
| M 3 | 21 40 8 | 23° 3'25 | 2♐38 | 22°40 | 26°49 | 13° 2 | 27°48 | 23°22 | 19°20 | 3♐ 9 | 8° 7 | 28°13 | 28°13 | 5°54 | n.a. | M 3 |
| T 4 | 21 44 4 | 24° 3'15 | 15°18 | 21°27 | 28° 4 | 13°42 | 28° 1 | 23°24 | 19°21 | 3° 9 | 8° 8 | 28°12 | 28°10 | 6° 1 | n.a. | T 4 |
| W 5 | 21 48 1 | 25° 3'06 | 28°21 | 20°18 | 29°19 | 14°22 | 28°15 | 23°26 | 19°22 | 3° 9 | 8°10 | 28°12 | 28° 7 | 6° 7 | n.a. | W 5 |
| T 6 | 21 51 57 | 26° 3'00 | 11♑50 | 19°15 | 0♍35 | 15° 3 | 28°28 | 23°28 | 19°23 | 3° 9 | 8°12 | 28°12 | 28° 3 | 6°14 | n.a. | T 6 |
| F 7 | 21 55 54 | 27° 2'55 | 25°45 | 18°19 | 1°50 | 15°43 | 28°41 | 23°30 | 19°24 | 3°10 | 8°14 | 28°12 | 28° 0 | 6°21 | n.a. | F 7 |
| S 8 | 21 59 50 | 28° 2'52 | 10♒ 5 | 17°31 | 3° 5 | 16°23 | 28°54 | 23°32 | 19°25 | 3°10 | 8°16 | 28°D11 | 27°57 | 6°27 | n.a. | S 8 |
| S 9 | 22 3 47 | 29° 2'51 | 24°44 | 16°55 | 4°21 | 17° 3 | 29° 7 | 23°35 | 19°26 | 3°10 | 8°18 | 28°R11 | 27°54 | 6°34 | n.a. | S 9 |
| M10 | 22 7 43 | 0♍ 2'52 | 9♓38 | 16°29 | 5°36 | 17°43 | 29°20 | 23°37 | 19°28 | 3°10 | 8°20 | 28°11 | 27°51 | 6°41 | n.a. | M10 |
| T 11 | 22 11 40 | 1° 2'55 | 24°38 | 16°14 | 6°51 | 18°23 | 29°34 | 23°40 | 19°29 | 3°11 | 8°22 | 28°11 | 27°48 | 6°47 | n.a. | T 11 |
| W12 | 22 15 37 | 2° 3'01 | 9♈35 | 16°D11 | 8° 7 | 19° 4 | 29°47 | 23°42 | 19°30 | 3°11 | 8°24 | 28°11 | 27°44 | 6°54 | n.a. | W12 |
| T 13 | 22 19 33 | 3° 3'08 | 24°23 | 16°19 | 9°22 | 19°44 | 29°59 | 23°45 | 19°32 | 3°11 | 8°26 | 28°10 | 27°41 | 7° 1 | n.a. | T 13 |
| F 14 | 22 23 30 | 4° 3'18 | 8♉54 | 16°38 | 10°38 | 20°24 | 0♍13 | 23°48 | 19°33 | 3°12 | 8°28 | 28°10 | 27°38 | 7° 7 | n.a. | F 14 |
| S 15 | 22 27 26 | 5° 3'30 | 23° 5 | 17° 6 | 11°53 | 21° 5 | 0°26 | 23°51 | 19°34 | 3°12 | 8°30 | 28° 9 | 27°35 | 7°14 | n.a. | S 15 |
| S 16 | 22 31 23 | 6° 3'45 | 6♊54 | 17°44 | 13° 8 | 21°45 | 0°40 | 23°54 | 19°36 | 3°12 | 8°32 | 28°D 9 | 27°32 | 7°21 | n.a. | S 16 |
| M17 | 22 35 19 | 7° 4'02 | 20°21 | 18°31 | 14°24 | 22°25 | 0°53 | 23°57 | 19°38 | 3°13 | 8°34 | 28°10 | 27°29 | 7°27 | n.a. | M17 |
| T 18 | 22 39 16 | 8° 4'21 | 3♋29 | 19°24 | 15°39 | 23° 6 | 1° 6 | 24° 1 | 19°39 | 3°14 | 8°36 | 28°10 | 27°25 | 7°34 | n.a. | T 18 |
| W19 | 22 43 12 | 9° 4'42 | 16°18 | 20°25 | 16°55 | 23°46 | 1°19 | 24° 4 | 19°41 | 3°14 | 8°38 | 28°11 | 27°22 | 7°41 | n.a. | W19 |
| T 20 | 22 47 9 | 10° 5'06 | 28°53 | 21°31 | 18°10 | 24°27 | 1°32 | 24° 7 | 19°43 | 3°15 | 8°41 | 28°12 | 27°19 | 7°47 | n.a. | T 20 |
| F 21 | 22 51 6 | 11° 5'31 | 11♌14 | 22°43 | 19°25 | 25° 8 | 1°45 | 24°11 | 19°44 | 3°15 | 8°43 | 28°13 | 27°16 | 7°54 | n.a. | F 21 |
| S 22 | 22 55 2 | 12° 5'58 | 23°25 | 23°58 | 20°41 | 25°48 | 1°58 | 24°14 | 19°46 | 3°16 | 8°45 | 28°R14 | 27°13 | 8° 1 | n.a. | S 22 |
| S 23 | 22 58 59 | 13° 6'28 | 5♍28 | 25°18 | 21°56 | 26°29 | 2°12 | 24°18 | 19°48 | 3°17 | 8°47 | 28°14 | 27° 9 | 8° 8 | n.a. | S 23 |
| M24 | 23 2 55 | 14° 6'59 | 17°25 | 26°40 | 23°12 | 27°10 | 2°25 | 24°22 | 19°50 | 3°17 | 8°49 | 28°13 | 27° 6 | 8°14 | n.a. | M24 |
| T 25 | 23 6 52 | 15° 7'32 | 29°16 | 28° 5 | 24°27 | 27°50 | 2°38 | 24°26 | 19°52 | 3°18 | 8°52 | 28°11 | 27° 3 | 8°21 | n.a. | T 25 |
| W26 | 23 10 48 | 16° 8'06 | 11♎ 6 | 29°33 | 25°42 | 28°31 | 2°51 | 24°29 | 19°54 | 3°19 | 8°54 | 28° 8 | 27° 0 | 8°28 | n.a. | W26 |
| T 27 | 23 14 45 | 17° 8'42 | 22°55 | 1♍ 2 | 26°58 | 29°12 | 3° 4 | 24°33 | 19°56 | 3°20 | 8°56 | 28° 5 | 26°57 | 8°34 | n.a. | T 27 |
| F 28 | 23 18 41 | 18° 9'20 | 4♏46 | 2°32 | 28°13 | 29°53 | 3°17 | 24°38 | 19°58 | 3°21 | 8°58 | 28° 2 | 26°54 | 8°41 | n.a. | F 28 |
| S 29 | 23 22 38 | 19°10'00 | 16°42 | 4° 4 | 29°28 | 0♍33 | 3°30 | 24°42 | 20° 0 | 3°22 | 9° 1 | 27°59 | 26°50 | 8°48 | n.a. | S 29 |
| S 30 | 23 26 34 | 20♍10'41 | 28♏47 | 5♍37 | 0♎44 | 1♍14 | 3♍43 | 24♏46 | 20♏ 2 | 3♐23 | 9♎ 3 | 27♒56 | 26♒47 | 8♎54 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n46 | 19s12 | 4s58 | 10n55 | 2s39 | 14n57 | 1n21 | 18n42 | 1n 8 | 13n50 | 1n17 | 18s 6 | 0n54 | 17s53 | 0n 2 | 20s22 | 0n52 | 8n24 | 12n44 | 12s20 | 12s18 | 5s10 | | n.a. |
| S 2 | 14 26 | 23 12 | 5 14 | 11 34 | 2 23 | 14 31 | 1 20 | 18 31 | 1 8 | 13 46 | 1 17 | 18 7 | 0 54 | 17 53 | 0 2 | 20 22 | 0 51 | 8 23 | 12 44 | 12 20 | 12 19 | 5 13 | | n.a. |
| M 3 | 14 6 | 26 16 | 5 17 | 12 15 | 2 6 | 14 4 | 1 20 | 18 19 | 1 7 | 13 41 | 1 17 | 18 8 | 0 54 | 17 53 | 0 2 | 20 22 | 0 51 | 8 22 | 12 43 | 12 20 | 12 20 | 5 16 | | n.a. |
| T 4 | 13 46 | 28 7 | 5 4 | 12 57 | 1 47 | 13 37 | 1 19 | 18 7 | 1 7 | 13 36 | 1 17 | 18 8 | 0 53 | 17 53 | 0 2 | 20 22 | 0 51 | 8 21 | 12 43 | 12 20 | 12 21 | 5 20 | | n.a. |
| W 5 | 13 26 | 28 29 | 4 35 | 13 38 | 1 28 | 13 9 | 1 18 | 17 55 | 1 7 | 13 32 | 1 17 | 18 9 | 0 53 | 17 54 | 0 2 | 20 22 | 0 51 | 8 20 | 12 43 | 12 20 | 12 22 | 5 23 | | n.a. |
| T 6 | 13 5 | 27 12 | 3 50 | 14 17 | 1 7 | 12 41 | 1 17 | 17 43 | 1 7 | 13 27 | 1 17 | 18 10 | 0 53 | 17 54 | 0 2 | 20 22 | 0 51 | 8 19 | 12 42 | 12 20 | 12 23 | 5 26 | | n.a. |
| F 7 | 12 44 | 24 13 | 2 51 | 14 54 | 0 47 | 12 13 | 1 16 | 17 31 | 1 7 | 13 22 | 1 17 | 18 10 | 0 53 | 17 54 | 0 2 | 20 22 | 0 51 | 8 18 | 12 42 | 12 20 | 12 24 | 5 30 | | n.a. |
| S 8 | 12 23 | 19 40 | 1 39 | 15 28 | 0 27 | 11 44 | 1 15 | 17 18 | 1 7 | 13 18 | 1 17 | 18 11 | 0 53 | 17 55 | 0 2 | 20 22 | 0 51 | 8 17 | 12 42 | 12 20 | 12 26 | 5 33 | | n.a. |
| S 9 | 12 2 | 13 50 | 0 19 | 15 58 | 0 7 | 11 15 | 1 14 | 17 6 | 1 7 | 13 13 | 1 17 | 18 12 | 0 53 | 17 55 | 0 2 | 20 23 | 0 51 | 8 16 | 12 41 | 12 20 | 12 27 | 5 36 | | n.a. |
| M10 | 11 41 | 7 8 | 1n 3 | 16 23 | 0n11 | 10 46 | 1 13 | 16 53 | 1 6 | 13 8 | 1 17 | 18 13 | 0 52 | 17 55 | 0 2 | 20 23 | 0 51 | 8 15 | 12 41 | 12 20 | 12 28 | 5 40 | | n.a. |
| T 11 | 11 19 | 0 1 | 2 22 | 16 44 | 0 28 | 10 16 | 1 12 | 16 40 | 1 6 | 13 4 | 1 17 | 18 13 | 0 52 | 17 56 | 0 2 | 20 23 | 0 51 | 8 14 | 12 41 | 12 21 | 12 29 | 5 43 | | n.a. |
| W12 | 10 57 | 7n 5 | 3 30 | 17 1 | 0 45 | 9 47 | 1 10 | 16 27 | 1 6 | 12 59 | 1 17 | 18 14 | 0 52 | 17 56 | 0 2 | 20 23 | 0 51 | 8 12 | 12 40 | 12 21 | 12 30 | 5 46 | | n.a. |
| T 13 | 10 35 | 13 43 | 4 24 | 17 12 | 0 59 | 9 16 | 1 9 | 16 14 | 1 6 | 12 54 | 1 17 | 18 15 | 0 52 | 17 56 | 0 2 | 20 23 | 0 51 | 8 11 | 12 40 | 12 21 | 12 31 | 5 50 | | n.a. |
| F 14 | 10 13 | 19 28 | 5 0 | 17 19 | 1 12 | 8 46 | 1 8 | 16 1 | 1 6 | 12 49 | 1 17 | 18 16 | 0 52 | 17 57 | 0 2 | 20 23 | 0 51 | 8 10 | 12 40 | 12 21 | 12 32 | 5 53 | | n.a. |
| S 15 | 9 51 | 24 0 | 5 16 | 17 21 | 1 24 | 8 16 | 1 6 | 15 47 | 1 6 | 12 45 | 1 17 | 18 17 | 0 52 | 17 57 | 0 2 | 20 23 | 0 51 | 8 9 | 12 39 | 12 21 | 12 33 | 5 56 | | n.a. |
| S 16 | 9 28 | 27 3 | 5 14 | 17 19 | 1 34 | 7 45 | 1 5 | 15 34 | 1 5 | 12 40 | 1 17 | 18 18 | 0 51 | 17 58 | 0 2 | 20 23 | 0 51 | 8 8 | 12 39 | 12 21 | 12 34 | 5 59 | | n.a. |
| M17 | 9 5 | 28 27 | 4 54 | 17 12 | 1 42 | 7 14 | 1 3 | 15 20 | 1 5 | 12 35 | 1 17 | 18 19 | 0 51 | 17 58 | 0 2 | 20 23 | 0 51 | 8 7 | 12 39 | 12 21 | 12 36 | 6 3 | | n.a. |
| T 18 | 8 43 | 28 12 | 4 19 | 17 2 | 1 50 | 6 43 | 1 2 | 15 7 | 1 5 | 12 30 | 1 17 | 18 20 | 0 51 | 17 59 | 0 2 | 20 24 | 0 51 | 8 6 | 12 39 | 12 21 | 12 37 | 6 6 | | n.a. |
| W19 | 8 20 | 26 25 | 3 32 | 16 48 | 1 55 | 6 11 | 1 0 | 14 53 | 1 5 | 12 26 | 1 18 | 18 21 | 0 51 | 17 59 | 0 2 | 20 24 | 0 51 | 8 5 | 12 38 | 12 21 | 12 38 | 6 9 | | n.a. |
| T 20 | 7 56 | 23 20 | 2 36 | 16 30 | 2 0 | 5 40 | 0 58 | 14 39 | 1 5 | 12 21 | 1 18 | 18 22 | 0 51 | 18 0 | 0 2 | 20 24 | 0 51 | 8 4 | 12 38 | 12 20 | 12 39 | 6 13 | | n.a. |
| F 21 | 7 33 | 19 14 | 1 33 | 16 10 | 2 3 | 5 8 | 0 56 | 14 25 | 1 4 | 12 16 | 1 18 | 18 23 | 0 51 | 18 0 | 0 2 | 20 24 | 0 51 | 8 3 | 12 38 | 12 20 | 12 40 | 6 16 | | n.a. |
| S 22 | 7 10 | 14 24 | 0 27 | 15 46 | 2 6 | 4 36 | 0 55 | 14 11 | 1 4 | 12 11 | 1 18 | 18 24 | 0 50 | 18 1 | 0 2 | 20 24 | 0 51 | 8 1 | 12 37 | 12 20 | 12 41 | 6 19 | | n.a. |
| S 23 | 6 46 | 9 4 | 0s40 | 15 20 | 2 7 | 4 4 | 0 53 | 13 56 | 1 4 | 12 7 | 1 18 | 18 25 | 0 50 | 18 1 | 0 2 | 20 24 | 0 51 | 8 0 | 12 37 | 12 20 | 12 42 | 6 23 | | n.a. |
| M24 | 6 22 | 3 29 | 1 44 | 14 52 | 2 8 | 3 32 | 0 51 | 13 42 | 1 4 | 12 2 | 1 18 | 18 26 | 0 50 | 18 2 | 0 2 | 20 25 | 0 51 | 7 59 | 12 37 | 12 20 | 12 43 | 6 26 | | n.a. |
| T 25 | 5 58 | 2s12 | 2 43 | 14 22 | 2 8 | 3 0 | 0 49 | 13 27 | 1 3 | 11 57 | 1 18 | 18 27 | 0 50 | 18 2 | 0 1 | 20 25 | 0 51 | 7 58 | 12 37 | 12 21 | 12 44 | 6 29 | | n.a. |
| W26 | 5 35 | 7 46 | 3 35 | 13 50 | 2 7 | 2 28 | 0 47 | 13 13 | 1 3 | 11 52 | 1 18 | 18 28 | 0 50 | 18 3 | 0 1 | 20 25 | 0 50 | 7 57 | 12 36 | 12 22 | 12 46 | 6 33 | | n.a. |
| T 27 | 5 11 | 13 3 | 4 18 | 13 16 | 2 5 | 1 55 | 0 45 | 12 58 | 1 3 | 11 47 | 1 18 | 18 29 | 0 50 | 18 3 | 0 1 | 20 25 | 0 50 | 7 56 | 12 36 | 12 23 | 12 47 | 6 36 | | n.a. |
| F 28 | 4 46 | 17 54 | 4 49 | 12 41 | 2 3 | 1 23 | 0 43 | 12 43 | 1 3 | 11 43 | 1 18 | 18 30 | 0 50 | 18 4 | 0 1 | 20 25 | 0 50 | 7 55 | 12 36 | 12 24 | 12 48 | 6 39 | | n.a. |
| S 29 | 4 22 | 22 5 | 5 9 | 12 4 | 2 0 | 0 50 | 0 41 | 12 28 | 1 3 | 11 38 | 1 18 | 18 32 | 0 49 | 18 4 | 0 1 | 20 26 | 0 50 | 7 54 | 12 36 | 12 25 | 12 49 | 6 42 | | n.a. |
| S 30 | 3n58 | 25s24 | 5s15 | 11n26 | 1n57 | 0n18 | 0n39 | 12n13 | 1n 2 | 11n33 | 1n18 | 18s33 | 0n49 | 18s 5 | 0n 1 | 20s26 | 0n50 | 7n53 | 12n36 | 12s26 | 12s50 | 6s46 | | n.a. |

Julian Day Number = 1006506.5, Delta T = 12h45m01s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'37, Lahiri = -30°56'37 Julian Calendar 1 Sept. 1958 BCE == Greg. Calendar 15 Aug. 1958 BCE


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## OCTOBER 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 30 31 | 21♍11'23 | 11♐ 5 | 7♍11 | 1♎59 | 1♍55 | 3♍56 | 24♏50 | 20♏ 4 | 3♐23 | 9♎ 5 | 27°R55 | 26♒44 | 9♎ 1 | n.a. | M 1 |
| T 2 | 23 34 28 | 22°12'06 | 23°39 | 8°45 | 3°15 | 2°36 | 4° 8 | 24°55 | 20° 7 | 3°24 | 9° 7 | 27°D54 | 26°41 | 9° 8 | n.a. | T 2 |
| W 3 | 23 38 24 | 23°12'51 | 6♑34 | 10°20 | 4°30 | 3°17 | 4°21 | 24°59 | 20° 9 | 3°25 | 9°10 | 27♒55 | 26°38 | 9°14 | n.a. | W 3 |
| T 4 | 23 42 21 | 24°13'38 | 19°54 | 11°55 | 5°45 | 3°58 | 4°34 | 25° 4 | 20°11 | 3°27 | 9°12 | 27°56 | 26°34 | 9°21 | n.a. | T 4 |
| F 5 | 23 46 17 | 25°14'25 | 3♒41 | 13°30 | 7° 1 | 4°39 | 4°47 | 25° 8 | 20°14 | 3°28 | 9°14 | 27°58 | 26°31 | 9°28 | n.a. | F 5 |
| S 6 | 23 50 14 | 26°15'14 | 17°55 | 15° 5 | 8°16 | 5°20 | 5° 0 | 25°13 | 20°16 | 3°29 | 9°17 | 27°59 | 26°28 | 9°34 | n.a. | S 6 |
| S 7 | 23 54 10 | 27°16'04 | 2♓36 | 16°41 | 9°31 | 6° 1 | 5°12 | 25°18 | 20°19 | 3°30 | 9°19 | 27°R59 | 26°25 | 9°41 | n.a. | S 7 |
| M 8 | 23 58 7 | 28°16'55 | 17°37 | 18°16 | 10°47 | 6°43 | 5°25 | 25°23 | 20°21 | 3°31 | 9°21 | 27°58 | 26°22 | 9°48 | n.a. | M 8 |
| T 9 | 0 2 3 | 29°17'47 | 2♈51 | 19°52 | 12° 2 | 7°24 | 5°38 | 25°28 | 20°24 | 3°32 | 9°24 | 27°55 | 26°19 | 9°54 | n.a. | T 9 |
| W10 | 0 6 0 | 0♎18'41 | 18° 7 | 21°27 | 13°17 | 8° 5 | 5°50 | 25°33 | 20°26 | 3°34 | 9°26 | 27°51 | 26°15 | 10° 1 | n.a. | W10 |
| T 11 | 0 9 57 | 1°19'36 | 3♉16 | 23° 3 | 14°32 | 8°46 | 6° 3 | 25°38 | 20°29 | 3°35 | 9°28 | 27°46 | 26°12 | 10° 8 | n.a. | T 11 |
| F 12 | 0 13 53 | 2°20'33 | 18° 8 | 24°38 | 15°48 | 9°28 | 6°16 | 25°43 | 20°31 | 3°36 | 9°31 | 27°41 | 26° 9 | 10°14 | n.a. | F 12 |
| S 13 | 0 17 50 | 3°21'32 | 2♊35 | 26°13 | 17° 3 | 10° 9 | 6°28 | 25°48 | 20°34 | 3°37 | 9°33 | 27°37 | 26° 6 | 10°21 | n.a. | S 13 |
| S 14 | 0 21 46 | 4°22'32 | 16°35 | 27°48 | 18°18 | 10°50 | 6°40 | 25°53 | 20°37 | 3°39 | 9°36 | 27°34 | 26° 3 | 10°28 | n.a. | S 14 |
| M15 | 0 25 43 | 5°23'33 | 0♋ 7 | 29°24 | 19°33 | 11°32 | 6°53 | 25°58 | 20°39 | 3°40 | 9°38 | 27°D32 | 26° 0 | 10°35 | n.a. | M15 |
| T 16 | 0 29 39 | 6°24'36 | 13°13 | 0♎58 | 20°49 | 12°13 | 7° 5 | 26° 4 | 20°42 | 3°42 | 9°40 | 27°32 | 25°56 | 10°41 | n.a. | T 16 |
| W17 | 0 33 36 | 7°25'40 | 25°55 | 2°33 | 22° 4 | 12°55 | 7°18 | 26° 9 | 20°45 | 3°43 | 9°43 | 27°33 | 25°53 | 10°48 | n.a. | W17 |
| T 18 | 0 37 32 | 8°26'46 | 8♌20 | 4° 8 | 23°19 | 13°36 | 7°30 | 26°15 | 20°48 | 3°44 | 9°45 | 27°35 | 25°50 | 10°55 | n.a. | T 18 |
| F 19 | 0 41 29 | 9°27'53 | 20°30 | 5°43 | 24°34 | 14°18 | 7°42 | 26°20 | 20°51 | 3°46 | 9°47 | 27°36 | 25°47 | 11° 1 | n.a. | F 19 |
| S 20 | 0 45 26 | 10°29'01 | 2♍30 | 7°17 | 25°50 | 14°59 | 7°54 | 26°26 | 20°54 | 3°47 | 9°50 | 27°R36 | 25°44 | 11° 8 | n.a. | S 20 |
| S 21 | 0 49 22 | 11°30'10 | 14°23 | 8°52 | 27° 5 | 15°41 | 8° 6 | 26°32 | 20°57 | 3°49 | 9°52 | 27°35 | 25°40 | 11°15 | n.a. | S 21 |
| M22 | 0 53 19 | 12°31'21 | 26°14 | 10°26 | 28°20 | 16°23 | 8°18 | 26°37 | 20°59 | 3°51 | 9°55 | 27°31 | 25°37 | 11°21 | n.a. | M22 |
| T 23 | 0 57 15 | 13°32'32 | 8♎ 3 | 12° 1 | 29°35 | 17° 4 | 8°30 | 26°43 | 21° 2 | 3°52 | 9°57 | 27°25 | 25°34 | 11°28 | n.a. | T 23 |
| W24 | 1 1 12 | 14°33'44 | 19°53 | 13°35 | 0♏50 | 17°46 | 8°42 | 26°49 | 21° 5 | 3°54 | 9°59 | 27°16 | 25°31 | 11°35 | n.a. | W24 |
| T 25 | 1 5 8 | 15°34'57 | 1♏45 | 15°10 | 2° 6 | 18°28 | 8°54 | 26°55 | 21° 8 | 3°55 | 10° 2 | 27° 7 | 25°28 | 11°41 | n.a. | T 25 |
| F 26 | 1 9 5 | 16°36'11 | 13°42 | 16°44 | 3°21 | 19°10 | 9° 6 | 27° 1 | 21°12 | 3°57 | 10° 4 | 26°56 | 25°25 | 11°48 | n.a. | F 26 |
| S 27 | 1 13 1 | 17°37'26 | 25°44 | 18°19 | 4°36 | 19°51 | 9°18 | 27° 7 | 21°15 | 3°59 | 10° 7 | 26°47 | 25°21 | 11°55 | n.a. | S 27 |
| S 28 | 1 16 58 | 18°38'41 | 7♐53 | 19°53 | 5°51 | 20°33 | 9°29 | 27°13 | 21°18 | 4° 0 | 10° 9 | 26°38 | 25°18 | 12° 1 | n.a. | S 28 |
| M29 | 1 20 55 | 19°39'56 | 20°13 | 21°28 | 7° 6 | 21°15 | 9°41 | 27°19 | 21°21 | 4° 2 | 10°11 | 26°32 | 25°15 | 12° 8 | n.a. | M29 |
| T 30 | 1 24 51 | 20°41'12 | 2♑47 | 23° 2 | 8°21 | 21°57 | 9°52 | 27°25 | 21°24 | 4° 4 | 10°14 | 26°27 | 25°12 | 12°15 | n.a. | T 30 |
| W31 | 1 28 48 | 21♎42'29 | 15♑36 | 24♎37 | 9♏36 | 22♍39 | 10♍ 4 | 27♏31 | 21♏27 | 4♐ 6 | 10♎16 | 26♒26 | 25♒ 9 | 12♎21 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 3n34 | 27s37 | 5s 6 | 10n48 | 1n53 | 0s15 | 0n37 | 11n58 | 1n 2 | 11n28 | 1n18 | 18s34 | 0n49 | 18s 6 | 0n 1 | 20s26 | 0n50 | 7n52 | 12n35 | 12s26 | 12s51 | 6s49 | | | n.a. |
| T 2 | 3 9 | 28 29 | 4 44 | 10 8 | 1 49 | 0 47 | 0 35 | 11 43 | 1 2 | 11 24 | 1 18 | 18 35 | 0 49 | 18 6 | 0 1 | 20 26 | 0 50 | 7 50 | 12 35 | 12 27 | 12 52 | 6 52 | | | n.a. |
| W 3 | 2 45 | 27 51 | 4 6 | 9 27 | 1 45 | 1 20 | 0 33 | 11 27 | 1 2 | 11 19 | 1 18 | 18 36 | 0 49 | 18 7 | 0 1 | 20 27 | 0 50 | 7 49 | 12 35 | 12 26 | 12 53 | 6 56 | | | n.a. |
| T 4 | 2 20 | 25 37 | 3 14 | 8 46 | 1 40 | 1 52 | 0 30 | 11 12 | 1 1 | 11 14 | 1 18 | 18 38 | 0 49 | 18 8 | 0 1 | 20 27 | 0 50 | 7 48 | 12 35 | 12 26 | 12 54 | 6 59 | | | n.a. |
| F 5 | 1 56 | 21 49 | 2 10 | 8 4 | 1 35 | 2 25 | 0 28 | 10 56 | 1 1 | 11 10 | 1 18 | 18 39 | 0 49 | 18 8 | 0 1 | 20 27 | 0 50 | 7 47 | 12 35 | 12 25 | 12 56 | 7 2 | | | n.a. |
| S 6 | 1 31 | 16 38 | 0 55 | 7 22 | 1 30 | 2 57 | 0 26 | 10 41 | 1 1 | 11 5 | 1 18 | 18 40 | 0 48 | 18 9 | 0 1 | 20 27 | 0 50 | 7 46 | 12 34 | 12 25 | 12 57 | 7 5 | | | n.a. |
| S 7 | 1 6 | 10 22 | 0n25 | 6 39 | 1 24 | 3 29 | 0 23 | 10 25 | 1 0 | 11 0 | 1 18 | 18 42 | 0 48 | 18 10 | 0 1 | 20 28 | 0 50 | 7 45 | 12 34 | 12 25 | 12 58 | 7 9 | | | n.a. |
| M 8 | 0 42 | 3 23 | 1 45 | 5 56 | 1 18 | 4 1 | 0 21 | 10 9 | 1 0 | 10 55 | 1 19 | 18 43 | 0 48 | 18 10 | 0 1 | 20 28 | 0 50 | 7 44 | 12 34 | 12 25 | 12 59 | 7 12 | | | n.a. |
| T 9 | 0 17 | 3n53 | 2 59 | 5 12 | 1 13 | 4 34 | 0 19 | 9 53 | 1 0 | 10 51 | 1 19 | 18 44 | 0 48 | 18 11 | 0 1 | 20 28 | 0 50 | 7 43 | 12 34 | 12 26 | 13 0 | 7 15 | | | n.a. |
| W10 | 0s 8 | 10 56 | 4 0 | 4 28 | 1 7 | 5 6 | 0 16 | 9 37 | 1 0 | 10 46 | 1 19 | 18 46 | 0 48 | 18 12 | 0 1 | 20 28 | 0 50 | 7 42 | 12 34 | 12 28 | 13 1 | 7 19 | | | n.a. |
| T 11 | 0 32 | 17 17 | 4 44 | 3 44 | 1 1 | 5 38 | 0 14 | 9 21 | 0 59 | 10 41 | 1 19 | 18 47 | 0 48 | 18 12 | 0 1 | 20 29 | 0 50 | 7 41 | 12 34 | 12 29 | 13 2 | 7 22 | | | n.a. |
| F 12 | 0 57 | 22 29 | 5 7 | 3 0 | 0 54 | 6 9 | 0 12 | 9 5 | 0 59 | 10 37 | 1 19 | 18 48 | 0 48 | 18 13 | 0 1 | 20 29 | 0 50 | 7 40 | 12 33 | 12 31 | 13 3 | 7 25 | | | n.a. |
| S 13 | 1 22 | 26 10 | 5 10 | 2 16 | 0 48 | 6 41 | 0 9 | 8 49 | 0 59 | 10 32 | 1 19 | 18 50 | 0 47 | 18 14 | 0 1 | 20 29 | 0 50 | 7 39 | 12 33 | 12 33 | 13 4 | 7 28 | | | n.a. |
| S 14 | 1 46 | 28 7 | 4 55 | 1 31 | 0 42 | 7 13 | 0 7 | 8 33 | 0 58 | 10 28 | 1 19 | 18 51 | 0 47 | 18 15 | 0 1 | 20 29 | 0 50 | 7 38 | 12 33 | 12 34 | 13 5 | 7 32 | | | n.a. |
| M15 | 2 11 | 28 18 | 4 23 | 0 47 | 0 35 | 7 44 | 0 4 | 8 16 | 0 58 | 10 23 | 1 19 | 18 52 | 0 47 | 18 15 | 0 1 | 20 30 | 0 50 | 7 37 | 12 33 | 12 34 | 13 7 | 7 35 | | | n.a. |
| T 16 | 2 36 | 26 52 | 3 38 | 0 3 | 0 29 | 8 15 | 0 2 | 8 0 | 0 58 | 10 18 | 1 19 | 18 54 | 0 47 | 18 16 | 0 1 | 20 30 | 0 50 | 7 36 | 12 33 | 12 34 | 13 8 | 7 38 | | | n.a. |
| W17 | 3 0 | 24 4 | 2 44 | 0s42 | 0 22 | 8 46 | 0s 1 | 7 44 | 0 58 | 10 14 | 1 19 | 18 55 | 0 47 | 18 17 | 0 1 | 20 30 | 0 50 | 7 35 | 12 33 | 12 34 | 13 9 | 7 41 | | | n.a. |
| T 18 | 3 25 | 20 12 | 1 43 | 1 26 | 0 16 | 9 17 | 0 3 | 7 27 | 0 57 | 10 9 | 1 19 | 18 57 | 0 47 | 18 18 | 0 1 | 20 31 | 0 50 | 7 34 | 12 33 | 12 33 | 13 10 | 7 45 | | | n.a. |
| F 19 | 3 49 | 15 33 | 0 39 | 2 10 | 0 9 | 9 48 | 0 5 | 7 10 | 0 57 | 10 5 | 1 20 | 18 58 | 0 47 | 18 18 | 0 1 | 20 31 | 0 50 | 7 33 | 12 33 | 12 33 | 13 11 | 7 48 | | | n.a. |
| S 20 | 4 14 | 10 23 | 0s27 | 2 54 | 0 3 | 10 18 | 0 8 | 6 54 | 0 57 | 10 0 | 1 20 | 19 0 | 0 46 | 18 19 | 0 1 | 20 31 | 0 50 | 7 32 | 12 33 | 12 33 | 13 12 | 7 51 | | | n.a. |
| S 21 | 4 38 | 4 53 | 1 30 | 3 38 | 0s 4 | 10 48 | 0 10 | 6 37 | 0 56 | 9 56 | 1 20 | 19 1 | 0 46 | 18 20 | 0 1 | 20 32 | 0 50 | 7 31 | 12 33 | 12 33 | 13 13 | 7 54 | | | n.a. |
| M22 | 5 3 | 0s44 | 2 29 | 4 22 | 0 10 | 11 18 | 0 13 | 6 20 | 0 56 | 9 51 | 1 20 | 19 3 | 0 46 | 18 21 | 0 1 | 20 32 | 0 50 | 7 30 | 12 33 | 12 35 | 13 14 | 7 58 | | | n.a. |
| T 23 | 5 27 | 6 19 | 3 21 | 5 6 | 0 17 | 11 47 | 0 15 | 6 3 | 0 55 | 9 47 | 1 20 | 19 4 | 0 46 | 18 22 | 0 1 | 20 32 | 0 49 | 7 29 | 12 33 | 12 37 | 13 15 | 8 1 | | | n.a. |
| W24 | 5 51 | 11 41 | 4 4 | 5 49 | 0 23 | 12 17 | 0 18 | 5 46 | 0 55 | 9 42 | 1 20 | 19 6 | 0 46 | 18 22 | 0 1 | 20 33 | 0 49 | 7 28 | 12 32 | 12 40 | 13 16 | 8 4 | | | n.a. |
| T 25 | 6 15 | 16 38 | 4 37 | 6 32 | 0 29 | 12 46 | 0 20 | 5 29 | 0 55 | 9 38 | 1 20 | 19 7 | 0 46 | 18 23 | 0 1 | 20 33 | 0 49 | 7 27 | 12 32 | 12 43 | 13 17 | 8 7 | | | n.a. |
| F 26 | 6 39 | 20 59 | 4 58 | 7 15 | 0 35 | 13 14 | 0 23 | 5 12 | 0 54 | 9 33 | 1 20 | 19 9 | 0 46 | 18 24 | 0 1 | 20 33 | 0 49 | 7 26 | 12 32 | 12 47 | 13 19 | 8 11 | | | n.a. |
| S 27 | 7 3 | 24 31 | 5 6 | 7 57 | 0 42 | 13 42 | 0 25 | 4 55 | 0 54 | 9 29 | 1 21 | 19 10 | 0 46 | 18 25 | 0 1 | 20 34 | 0 49 | 7 25 | 12 32 | 12 50 | 13 20 | 8 14 | | | n.a. |
| S 28 | 7 27 | 27 0 | 5 0 | 8 40 | 0 48 | 14 10 | 0 28 | 4 38 | 0 54 | 9 25 | 1 21 | 19 12 | 0 46 | 18 26 | 0 1 | 20 34 | 0 49 | 7 24 | 12 32 | 12 53 | 13 21 | 8 17 | | | n.a. |
| M29 | 7 51 | 28 13 | 4 41 | 9 21 | 0 54 | 14 38 | 0 30 | 4 21 | 0 53 | 9 20 | 1 21 | 19 13 | 0 45 | 18 27 | 0 1 | 20 34 | 0 49 | 7 23 | 12 32 | 12 55 | 13 22 | 8 20 | | | n.a. |
| T 30 | 8 14 | 28 1 | 4 7 | 10 3 | 0 59 | 15 5 | 0 33 | 4 4 | 0 53 | 9 16 | 1 21 | 19 15 | 0 45 | 18 27 | 0 1 | 20 35 | 0 49 | 7 22 | 12 32 | 12 57 | 13 23 | 8 24 | | | n.a. |
| W31 | 8s38 | 26s19 | 3s21 | 10s44 | 1s 5 | 15s32 | 0s35 | 3n47 | 0n53 | 9n12 | 1n21 | 19s16 | 0n45 | 18s28 | 0n 1 | 20s35 | 0n49 | 7n21 | 12n32 | 12s57 | 13s24 | 8s27 | | | n.a. |

Julian Day Number = 1006536.5, Delta T = 12h44m59s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'33, Lahiri = -30°56'33 Julian Calendar 1 Oct. 1958 BCE == Greg. Calendar 14 Sept. 1958 BCE

The year -1957 astronomical counting style corresponds to year 1958 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## NOVEMBER 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 32 44 | 22♎43'45 | 28♉46 | 26♎12 | 10♏51 | 23♍21 | 10♍15 | 27♏38 | 21♏31 | 4♐ 8 | 10♎18 | 26°D26 | 25♒ 6 | 12♎28 | n.a. | T 1 |
| F 2 | 1 36 41 | 23°45'02 | 12♒20 | 27°47 | 12° 6 | 24° 3 | 10°26 | 27°44 | 21°34 | 4° 9 | 10°21 | 26♒26 | 25° 2 | 12°35 | n.a. | F 2 |
| S 3 | 1 40 37 | 24°46'19 | 26°20 | 29°22 | 13°21 | 24°45 | 10°38 | 27°50 | 21°37 | 4°11 | 10°23 | 26°R27 | 24°59 | 12°42 | n.a. | S 3 |
| S 4 | 1 44 34 | 25°47'36 | 10♓46 | 0♏57 | 14°36 | 25°27 | 10°49 | 27°57 | 21°40 | 4°13 | 10°25 | 26°26 | 24°56 | 12°48 | n.a. | S 4 |
| M 5 | 1 48 31 | 26°48'53 | 25°36 | 2°33 | 15°51 | 26° 9 | 11° 0 | 28° 3 | 21°44 | 4°15 | 10°28 | 26°23 | 24°53 | 12°55 | n.a. | M 5 |
| T 6 | 1 52 27 | 27°50'10 | 10♈44 | 4° 8 | 17° 6 | 26°51 | 11°11 | 28°10 | 21°47 | 4°17 | 10°30 | 26°17 | 24°50 | 13° 2 | n.a. | T 6 |
| W 7 | 1 56 24 | 28°51'28 | 26° 1 | 5°44 | 18°21 | 27°34 | 11°22 | 28°16 | 21°50 | 4°19 | 10°32 | 26° 9 | 24°46 | 13° 8 | n.a. | W 7 |
| T 8 | 2 0 20 | 29°52'46 | 11♉17 | 7°20 | 19°36 | 28°16 | 11°33 | 28°23 | 21°54 | 4°21 | 10°35 | 25°59 | 24°43 | 13°15 | n.a. | T 8 |
| F 9 | 2 4 17 | 0♏54'04 | 26°20 | 8°56 | 20°51 | 28°58 | 11°43 | 28°29 | 21°57 | 4°23 | 10°37 | 25°49 | 24°40 | 13°22 | n.a. | F 9 |
| S 10 | 2 8 13 | 1°55'23 | 11♊ 1 | 10°32 | 22° 6 | 29°40 | 11°54 | 28°36 | 22° 0 | 4°25 | 10°39 | 25°39 | 24°37 | 13°28 | n.a. | S 10 |
| S 11 | 2 12 10 | 2°56'42 | 25°14 | 12° 8 | 23°21 | 0♎23 | 12° 5 | 28°43 | 22° 4 | 4°27 | 10°41 | 25°32 | 24°34 | 13°35 | n.a. | S 11 |
| M12 | 2 16 7 | 3°58'01 | 8♋56 | 13°44 | 24°36 | 1° 5 | 12°15 | 28°49 | 22° 7 | 4°29 | 10°44 | 25°26 | 24°31 | 13°42 | n.a. | M12 |
| T 13 | 2 20 3 | 4°59'21 | 22° 8 | 15°21 | 25°51 | 1°48 | 12°25 | 28°56 | 22°11 | 4°31 | 10°46 | 25°24 | 24°27 | 13°48 | n.a. | T 13 |
| W14 | 2 24 0 | 6° 0'41 | 4♌54 | 16°57 | 27° 6 | 2°30 | 12°36 | 29° 3 | 22°14 | 4°33 | 10°48 | 25°D23 | 24°24 | 13°55 | n.a. | W14 |
| T 15 | 2 27 56 | 7° 2'01 | 17°18 | 18°34 | 28°21 | 3°12 | 12°46 | 29° 9 | 22°18 | 4°35 | 10°50 | 25°23 | 24°21 | 14° 2 | n.a. | T 15 |
| F 16 | 2 31 53 | 8° 3'22 | 29°25 | 20°10 | 29°36 | 3°55 | 12°56 | 29°16 | 22°21 | 4°37 | 10°52 | 25°R23 | 24°18 | 14° 9 | n.a. | F 16 |
| S 17 | 2 35 49 | 9° 4'42 | 11♍21 | 21°46 | 0♐50 | 4°37 | 13° 6 | 29°23 | 22°24 | 4°39 | 10°55 | 25°22 | 24°15 | 14°15 | n.a. | S 17 |
| S 18 | 2 39 46 | 10° 6'03 | 23°11 | 23°22 | 2° 5 | 5°20 | 13°16 | 29°30 | 22°28 | 4°41 | 10°57 | 25°18 | 24°11 | 14°22 | n.a. | S 18 |
| M19 | 2 43 42 | 11° 7'23 | 4♎59 | 24°57 | 3°20 | 6° 3 | 13°26 | 29°37 | 22°31 | 4°43 | 10°59 | 25°12 | 24° 8 | 14°29 | n.a. | M19 |
| T 20 | 2 47 39 | 12° 8'44 | 16°47 | 26°32 | 4°35 | 6°45 | 13°35 | 29°44 | 22°35 | 4°45 | 11° 1 | 25° 3 | 24° 5 | 14°35 | n.a. | T 20 |
| W21 | 2 51 36 | 13°10'04 | 28°40 | 28° 7 | 5°49 | 7°28 | 13°45 | 29°51 | 22°39 | 4°48 | 11° 3 | 24°51 | 24° 2 | 14°42 | n.a. | W21 |
| T 22 | 2 55 32 | 14°11'24 | 10♏39 | 29°40 | 7° 4 | 8°11 | 13°54 | 29°58 | 22°42 | 4°50 | 11° 5 | 24°37 | 23°59 | 14°49 | n.a. | T 22 |
| F 23 | 2 59 29 | 15°12'44 | 22°44 | 1♐13 | 8°19 | 8°53 | 14° 4 | 0♐ 5 | 22°46 | 4°52 | 11° 7 | 24°22 | 23°56 | 14°55 | n.a. | F 23 |
| S 24 | 3 3 25 | 16°14'04 | 4♐58 | 2°44 | 9°34 | 9°36 | 14°13 | 0°12 | 22°49 | 4°54 | 11° 9 | 24° 7 | 23°52 | 15° 2 | n.a. | S 24 |
| S 25 | 3 7 22 | 17°15'23 | 17°20 | 4°14 | 10°48 | 10°19 | 14°22 | 0°19 | 22°53 | 4°56 | 11°11 | 23°54 | 23°49 | 15° 9 | n.a. | S 25 |
| M26 | 3 11 18 | 18°16'41 | 29°51 | 5°41 | 12° 3 | 11° 2 | 14°31 | 0°26 | 22°56 | 4°58 | 11°13 | 23°44 | 23°46 | 15°15 | n.a. | M26 |
| T 27 | 3 15 15 | 19°17'59 | 12♉33 | 7° 6 | 13°18 | 11°45 | 14°40 | 0°33 | 23° 0 | 5° 1 | 11°15 | 23°37 | 23°43 | 15°22 | n.a. | T 27 |
| W28 | 3 19 12 | 20°19'16 | 25°27 | 8°28 | 14°32 | 12°28 | 14°49 | 0°40 | 23° 3 | 5° 3 | 11°17 | 23°32 | 23°40 | 15°29 | n.a. | W28 |
| T 29 | 3 23 8 | 21°20'32 | 8♒37 | 9°47 | 15°47 | 13°11 | 14°57 | 0°47 | 23° 7 | 5° 5 | 11°19 | 23°31 | 23°37 | 15°36 | n.a. | T 29 |
| F 30 | 3 27 5 | 22♏21'47 | 22♒ 4 | 11♐ 2 | 17♐ 1 | 13♎54 | 15♍ 6 | 0♐54 | 23♏10 | 5♐ 7 | 11♎21 | 23♒30 | 23♒33 | 15♎42 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s 1 | 23s 9 | 2s23 | 11s24 | 1s11 | 15s58 | 0s37 | 3n29 | 0n52 | 9n 7 | 1n21 | 19s18 | 0n45 | 18s29 | 0n 1 | 20s36 | 0n49 | 7n20 | 12n32 | 12s57 | 13s25 | 8s30 | | n.a. |
| F 2 | 9 24 | 18 38 | 1 15 | 12 4 | 1 16 | 16 24 | 0 40 | 3 12 | 0 52 | 9 3 | 1 21 | 19 19 | 0 45 | 18 30 | 0 1 | 20 36 | 0 49 | 7 19 | 12 32 | 12 57 | 13 26 | 8 33 | | n.a. |
| S 3 | 9 47 | 13 0 | 0 1 | 12 44 | 1 21 | 16 50 | 0 42 | 2 55 | 0 51 | 8 59 | 1 21 | 19 21 | 0 45 | 18 31 | 0 1 | 20 36 | 0 49 | 7 18 | 12 32 | 12 57 | 13 27 | 8 36 | | n.a. |
| S 4 | 10 10 | 6 31 | 1n16 | 13 23 | 1 26 | 17 15 | 0 44 | 2 37 | 0 51 | 8 55 | 1 22 | 19 23 | 0 45 | 18 32 | 0 1 | 20 37 | 0 49 | 7 17 | 12 32 | 12 57 | 13 28 | 8 40 | | n.a. |
| M 5 | 10 32 | 0n29 | 2 29 | 14 1 | 1 31 | 17 40 | 0 47 | 2 20 | 0 51 | 8 51 | 1 22 | 19 24 | 0 45 | 18 33 | 0 1 | 20 37 | 0 49 | 7 16 | 12 32 | 12 58 | 13 29 | 8 43 | | n.a. |
| T 6 | 10 55 | 7 35 | 3 33 | 14 39 | 1 36 | 18 4 | 0 49 | 2 2 | 0 50 | 8 46 | 1 22 | 19 26 | 0 44 | 18 34 | 0 1 | 20 37 | 0 49 | 7 16 | 12 33 | 13 0 | 13 30 | 8 46 | | n.a. |
| W 7 | 11 17 | 14 19 | 4 23 | 15 16 | 1 40 | 18 28 | 0 51 | 1 45 | 0 50 | 8 42 | 1 22 | 19 27 | 0 44 | 18 34 | 0 1 | 20 38 | 0 49 | 7 15 | 12 33 | 13 3 | 13 32 | 8 49 | | n.a. |
| T 8 | 11 39 | 20 9 | 4 53 | 15 52 | 1 44 | 18 51 | 0 53 | 1 27 | 0 49 | 8 38 | 1 22 | 19 29 | 0 44 | 18 35 | 0 1 | 20 38 | 0 49 | 7 14 | 12 33 | 13 7 | 13 33 | 8 52 | | n.a. |
| F 9 | 12 1 | 24 37 | 5 3 | 16 28 | 1 48 | 19 13 | 0 56 | 1 10 | 0 49 | 8 34 | 1 22 | 19 30 | 0 44 | 18 36 | 0 1 | 20 39 | 0 49 | 7 13 | 12 33 | 13 10 | 13 34 | 8 56 | | n.a. |
| S 10 | 12 23 | 27 22 | 4 52 | 17 2 | 1 52 | 19 36 | 0 58 | 0 52 | 0 48 | 8 30 | 1 23 | 19 32 | 0 44 | 18 37 | 0 1 | 20 39 | 0 49 | 7 12 | 12 33 | 13 14 | 13 35 | 8 59 | | n.a. |
| S 11 | 12 44 | 28 14 | 4 24 | 17 36 | 1 55 | 19 57 | 1 0 | 0 35 | 0 48 | 8 26 | 1 23 | 19 34 | 0 44 | 18 38 | 0 1 | 20 39 | 0 49 | 7 11 | 12 33 | 13 16 | 13 36 | 9 2 | | n.a. |
| M12 | 13 6 | 27 17 | 3 41 | 18 9 | 1 58 | 20 18 | 1 2 | 0 17 | 0 47 | 8 22 | 1 23 | 19 35 | 0 44 | 18 39 | 0 1 | 20 40 | 0 49 | 7 11 | 12 33 | 13 18 | 13 37 | 9 5 | | n.a. |
| T 13 | 13 27 | 24 48 | 2 47 | 18 41 | 2 1 | 20 39 | 1 4 | 0s 1 | 0 47 | 8 19 | 1 23 | 19 37 | 0 44 | 18 40 | 0 1 | 20 40 | 0 49 | 7 10 | 12 33 | 13 19 | 13 38 | 9 8 | | n.a. |
| W14 | 13 48 | 21 9 | 1 47 | 19 12 | 2 3 | 20 59 | 1 6 | 0 18 | 0 47 | 8 15 | 1 23 | 19 38 | 0 44 | 18 41 | 0 1 | 20 41 | 0 49 | 7 9 | 12 33 | 13 19 | 13 39 | 9 12 | | n.a. |
| T 15 | 14 8 | 16 39 | 0 43 | 19 41 | 2 5 | 21 18 | 1 8 | 0 36 | 0 46 | 8 11 | 1 23 | 19 40 | 0 44 | 18 42 | 0 1 | 20 41 | 0 49 | 7 8 | 12 33 | 13 19 | 13 40 | 9 15 | | n.a. |
| F 16 | 14 28 | 11 34 | 0s21 | 20 10 | 2 6 | 21 37 | 1 10 | 0 53 | 0 46 | 8 7 | 1 24 | 19 42 | 0 43 | 18 43 | 0 1 | 20 41 | 0 49 | 7 8 | 12 33 | 13 19 | 13 41 | 9 18 | | n.a. |
| S 17 | 14 49 | 6 10 | 1 24 | 20 37 | 2 7 | 21 55 | 1 12 | 1 11 | 0 45 | 8 3 | 1 24 | 19 43 | 0 43 | 18 44 | 0 1 | 20 42 | 0 49 | 7 7 | 12 33 | 13 19 | 13 42 | 9 21 | | n.a. |
| S 18 | 15 8 | 0 36 | 2 22 | 21 3 | 2 8 | 22 12 | 1 14 | 1 29 | 0 45 | 8 0 | 1 24 | 19 45 | 0 43 | 18 44 | 0 1 | 20 42 | 0 49 | 7 6 | 12 34 | 13 21 | 13 43 | 9 24 | | n.a. |
| M19 | 15 28 | 4s58 | 3 13 | 21 27 | 2 8 | 22 29 | 1 16 | 1 46 | 0 44 | 7 56 | 1 24 | 19 46 | 0 43 | 18 45 | 0 1 | 20 43 | 0 49 | 7 5 | 12 34 | 13 23 | 13 45 | 9 28 | | n.a. |
| T 20 | 15 47 | 10 21 | 3 56 | 21 50 | 2 7 | 22 45 | 1 17 | 2 4 | 0 44 | 7 52 | 1 24 | 19 48 | 0 43 | 18 46 | 0 1 | 20 43 | 0 49 | 7 5 | 12 34 | 13 26 | 13 46 | 9 31 | | n.a. |
| W21 | 16 6 | 15 24 | 4 29 | 22 11 | 2 6 | 23 0 | 1 19 | 2 22 | 0 43 | 7 49 | 1 25 | 19 50 | 0 43 | 18 47 | 0 1 | 20 44 | 0 49 | 7 4 | 12 34 | 13 30 | 13 47 | 9 34 | | n.a. |
| T 22 | 16 25 | 19 54 | 4 51 | 22 30 | 2 4 | 23 15 | 1 21 | 2 39 | 0 43 | 7 45 | 1 25 | 19 51 | 0 43 | 18 48 | 0 1 | 20 44 | 0 49 | 7 3 | 12 34 | 13 35 | 13 48 | 9 37 | | n.a. |
| F 23 | 16 44 | 23 38 | 4 59 | 22 48 | 2 2 | 23 29 | 1 22 | 2 57 | 0 42 | 7 42 | 1 25 | 19 53 | 0 43 | 18 49 | 0 1 | 20 44 | 0 49 | 7 3 | 12 34 | 13 40 | 13 49 | 9 40 | | n.a. |
| S 24 | 17 2 | 26 22 | 4 54 | 23 4 | 1 59 | 23 43 | 1 24 | 3 15 | 0 42 | 7 38 | 1 25 | 19 54 | 0 43 | 18 50 | 0 1 | 20 45 | 0 49 | 7 2 | 12 34 | 13 45 | 13 50 | 9 43 | | n.a. |
| S 25 | 17 19 | 27 52 | 4 35 | 23 18 | 1 55 | 23 55 | 1 25 | 3 32 | 0 41 | 7 35 | 1 25 | 19 56 | 0 43 | 18 51 | 0 1 | 20 45 | 0 49 | 7 1 | 12 35 | 13 49 | 13 51 | 9 47 | | n.a. |
| M26 | 17 37 | 27 58 | 4 3 | 23 29 | 1 50 | 24 7 | 1 27 | 3 50 | 0 41 | 7 32 | 1 26 | 19 57 | 0 43 | 18 52 | 0 1 | 20 46 | 0 49 | 7 1 | 12 35 | 13 53 | 13 52 | 9 50 | | n.a. |
| T 27 | 17 54 | 26 36 | 3 18 | 23 39 | 1 44 | 24 19 | 1 28 | 4 7 | 0 40 | 7 28 | 1 26 | 19 59 | 0 42 | 18 53 | 0 1 | 20 46 | 0 49 | 7 0 | 12 35 | 13 55 | 13 53 | 9 53 | | n.a. |
| W28 | 18 11 | 23 48 | 2 22 | 23 46 | 1 38 | 24 29 | 1 29 | 4 25 | 0 39 | 7 25 | 1 26 | 20 1 | 0 42 | 18 54 | 0 1 | 20 47 | 0 49 | 6 59 | 12 35 | 13 57 | 13 54 | 9 56 | | n.a. |
| T 29 | 18 28 | 19 43 | 1 18 | 23 51 | 1 30 | 24 39 | 1 31 | 4 42 | 0 39 | 7 22 | 1 26 | 20 2 | 0 42 | 18 55 | 0 1 | 20 47 | 0 49 | 6 59 | 12 35 | 13 57 | 13 55 | 9 59 | | n.a. |
| F 30 | 18s44 | 14s33 | 0s 8 | 23s53 | 1s21 | 24s48 | 1s32 | 5s 0 | 0n38 | 7n19 | 1n26 | 20s 4 | 0n42 | 18s56 | 0n 1 | 20s47 | 0n48 | 6n58 | 12n35 | 13s57 | 13s56 | 10s 2 | | n.a. |

Julian Day Number = 1006567.5, Delta T = 12h44m57s
Ecliptic obliquity = 23°55'19, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'29, Lahiri = -30°56'28 Julian Calendar 1 Nov. 1958 BCE == Greg. Calendar 15 Oct. 1958 BCE


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# ASTRODIENST EPHEMERIS for the year 1958 BCE
# geocentric

## DECEMBER 1958 BCE (-1957) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 31 1 | 23♏23'01 | 5♓51 | 12♐12 | 18♐16 | 14♎37 | 15♍14 | 1♐ 1 | 23♏14 | 5♐10 | 11♎23 | 23°R30 | 23♒30 | 15♎49 | n.a. | S 1 |
| S 2 | 3 34 58 | 24°24'14 | 20° 0 | 13°16 | 19°30 | 15°20 | 15°22 | 1° 8 | 23°18 | 5°12 | 11°25 | 23♒29 | 23°27 | 15°56 | n.a. | S 2 |
| M 3 | 3 38 54 | 25°25'26 | 4♈30 | 14°14 | 20°45 | 16° 3 | 15°30 | 1°15 | 23°21 | 5°14 | 11°27 | 23°25 | 23°24 | 16° 2 | n.a. | M 3 |
| T 4 | 3 42 51 | 26°26'37 | 19°17 | 15° 6 | 21°59 | 16°46 | 15°38 | 1°22 | 23°25 | 5°16 | 11°29 | 23°18 | 23°21 | 16° 9 | n.a. | T 4 |
| W 5 | 3 46 47 | 27°27'47 | 4♉16 | 15°49 | 23°14 | 17°29 | 15°46 | 1°30 | 23°28 | 5°19 | 11°31 | 23° 9 | 23°17 | 16°16 | n.a. | W 5 |
| T 6 | 3 50 44 | 28°28'56 | 19°18 | 16°23 | 24°28 | 18°12 | 15°54 | 1°37 | 23°32 | 5°21 | 11°32 | 22°58 | 23°14 | 16°22 | n.a. | T 6 |
| F 7 | 3 54 41 | 29°30'04 | 4♊13 | 16°47 | 25°42 | 18°55 | 16° 2 | 1°44 | 23°35 | 5°23 | 11°34 | 22°46 | 23°11 | 16°29 | n.a. | F 7 |
| S 8 | 3 58 37 | 0♑31'11 | 18°52 | 17° 1 | 26°57 | 19°38 | 16° 9 | 1°51 | 23°39 | 5°25 | 11°36 | 22°34 | 23° 8 | 16°36 | n.a. | S 8 |
| S 9 | 4 2 34 | 1°32'18 | 3♋ 7 | 17°R 4 | 28°11 | 20°22 | 16°16 | 1°58 | 23°42 | 5°28 | 11°38 | 22°25 | 23° 5 | 16°43 | n.a. | S 9 |
| M10 | 4 6 30 | 2°33'23 | 16°55 | 16°56 | 29°25 | 21° 5 | 16°24 | 2° 5 | 23°46 | 5°30 | 11°39 | 22°18 | 23° 2 | 16°49 | n.a. | M10 |
| T 11 | 4 10 27 | 3°34'28 | 0♌14 | 16°36 | 0♏40 | 21°48 | 16°31 | 2°12 | 23°50 | 5°32 | 11°41 | 22°13 | 22°58 | 16°56 | n.a. | T 11 |
| W12 | 4 14 23 | 4°35'31 | 13° 6 | 16° 5 | 1°54 | 22°31 | 16°38 | 2°20 | 23°53 | 5°34 | 11°43 | 22°12 | 22°55 | 17° 3 | n.a. | W12 |
| T 13 | 4 18 20 | 5°36'34 | 25°35 | 15°23 | 3° 8 | 23°15 | 16°44 | 2°27 | 23°57 | 5°37 | 11°44 | 22°D11 | 22°52 | 17° 9 | n.a. | T 13 |
| F 14 | 4 22 17 | 6°37'36 | 7♍45 | 14°31 | 4°22 | 23°58 | 16°51 | 2°34 | 24° 0 | 5°39 | 11°46 | 22°R12 | 22°49 | 17°16 | n.a. | F 14 |
| S 15 | 4 26 13 | 7°38'37 | 19°43 | 13°31 | 5°36 | 24°42 | 16°57 | 2°41 | 24° 4 | 5°41 | 11°47 | 22°11 | 22°46 | 17°23 | n.a. | S 15 |
| S 16 | 4 30 10 | 8°39'37 | 1♎34 | 12°24 | 6°50 | 25°25 | 17° 4 | 2°48 | 24° 7 | 5°44 | 11°49 | 22° 8 | 22°43 | 17°29 | n.a. | S 16 |
| M17 | 4 34 6 | 9°40'36 | 13°22 | 11°13 | 8° 4 | 26° 9 | 17°10 | 2°55 | 24°10 | 5°46 | 11°50 | 22° 3 | 22°39 | 17°36 | n.a. | M17 |
| T 18 | 4 38 3 | 10°41'34 | 25°13 | 9°59 | 9°18 | 26°52 | 17°16 | 3° 2 | 24°14 | 5°48 | 11°52 | 21°56 | 22°36 | 17°43 | n.a. | T 18 |
| W19 | 4 41 59 | 11°42'31 | 7♏10 | 8°45 | 10°32 | 27°36 | 17°22 | 3° 9 | 24°17 | 5°50 | 11°53 | 21°45 | 22°33 | 17°50 | n.a. | W19 |
| T 20 | 4 45 56 | 12°43'26 | 19°15 | 7°33 | 11°46 | 28°19 | 17°27 | 3°17 | 24°21 | 5°53 | 11°55 | 21°33 | 22°30 | 17°56 | n.a. | T 20 |
| F 21 | 4 49 53 | 13°44'20 | 1♑31 | 6°24 | 13° 0 | 29° 3 | 17°33 | 3°24 | 24°24 | 5°55 | 11°56 | 21°20 | 22°27 | 18° 3 | n.a. | F 21 |
| S 22 | 4 53 49 | 14°45'13 | 13°58 | 5°21 | 14°14 | 29°46 | 17°38 | 3°31 | 24°28 | 5°57 | 11°58 | 21° 7 | 22°23 | 18°10 | n.a. | S 22 |
| S 23 | 4 57 46 | 15°46'05 | 26°36 | 4°24 | 15°28 | 0♏30 | 17°44 | 3°38 | 24°31 | 5°59 | 11°59 | 20°56 | 22°20 | 18°16 | n.a. | S 23 |
| M24 | 5 1 42 | 16°46'55 | 9♑26 | 3°34 | 16°41 | 1°14 | 17°49 | 3°45 | 24°34 | 6° 2 | 12° 0 | 20°46 | 22°17 | 18°23 | n.a. | M24 |
| T 25 | 5 5 39 | 17°47'44 | 22°26 | 2°52 | 17°55 | 1°58 | 17°53 | 3°52 | 24°38 | 6° 4 | 12° 1 | 20°40 | 22°14 | 18°30 | n.a. | T 25 |
| W26 | 5 9 35 | 18°48'30 | 5♒38 | 2°18 | 19° 9 | 2°41 | 17°58 | 3°59 | 24°41 | 6° 6 | 12° 3 | 20°37 | 22°11 | 18°36 | n.a. | W26 |
| T 27 | 5 13 32 | 19°49'15 | 19° 1 | 1°53 | 20°22 | 3°25 | 18° 3 | 4° 6 | 24°44 | 6° 8 | 12° 4 | 20°D36 | 22° 8 | 18°43 | n.a. | T 27 |
| F 28 | 5 17 28 | 20°49'58 | 2♓35 | 1°35 | 21°36 | 4° 9 | 18° 7 | 4°13 | 24°48 | 6°11 | 12° 5 | 20°36 | 22° 4 | 18°50 | n.a. | F 28 |
| S 29 | 5 21 25 | 21°50'39 | 16°22 | 1°26 | 22°49 | 4°53 | 18°11 | 4°20 | 24°51 | 6°13 | 12° 6 | 20°R37 | 22° 1 | 18°57 | n.a. | S 29 |
| S 30 | 5 25 22 | 22°51'18 | 0♈23 | 1°D24 | 24° 3 | 5°36 | 18°15 | 4°27 | 24°54 | 6°15 | 12° 7 | 20°37 | 21°58 | 19° 3 | n.a. | S 30 |
| M31 | 5 29 18 | 23♑51'55 | 14♈37 | 1♑29 | 25♏16 | 6♏20 | 18♍19 | 4♑33 | 24♏57 | 6♑17 | 12♎ 8 | 20♒35 | 21♒55 | 19♎10 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 19s 0 | 8s33 | 1n 5 | 23s54 | 1s12 | 24s56 | 1s33 | 5s17 | 0n38 | 7n15 | 1n27 | 20s 5 | 0n42 | 18s56 | 0n 1 | 20s48 | 0n48 | 6n58 | 12n36 | 13s57 | 13s57 | 10s 5 | | n.a. |
| S 2 | 19 15 | 1 59 | 2 15 | 23 51 | 1 1 | 25 4 | 1 34 | 5 35 | 0 37 | 7 12 | 1 27 | 20 7 | 0 42 | 18 57 | 0 1 | 20 48 | 0 48 | 6 57 | 12 36 | 13 58 | 13 58 | 10 9 | | n.a. |
| M 3 | 19 30 | 4n50 | 3 18 | 23 47 | 0 49 | 25 10 | 1 35 | 5 52 | 0 37 | 7 9 | 1 27 | 20 8 | 0 42 | 18 58 | 0 1 | 20 49 | 0 48 | 6 57 | 12 36 | 13 59 | 13 59 | 10 12 | | n.a. |
| T 4 | 19 45 | 11 31 | 4 9 | 23 39 | 0 36 | 25 16 | 1 36 | 6 10 | 0 36 | 7 6 | 1 27 | 20 10 | 0 42 | 18 59 | 0 1 | 20 49 | 0 48 | 6 56 | 12 36 | 14 1 | 14 1 | 10 15 | | n.a. |
| W 5 | 19 59 | 17 38 | 4 44 | 23 30 | 0 21 | 25 22 | 1 37 | 6 27 | 0 36 | 7 4 | 1 27 | 20 12 | 0 42 | 19 0 | 0 1 | 20 49 | 0 48 | 6 56 | 12 37 | 14 4 | 14 2 | 10 18 | | n.a. |
| T 6 | 20 13 | 22 41 | 4 59 | 23 18 | 0 6 | 25 26 | 1 38 | 6 44 | 0 35 | 7 1 | 1 28 | 20 13 | 0 42 | 19 1 | 0 1 | 20 50 | 0 48 | 6 55 | 12 37 | 14 8 | 14 3 | 10 21 | | n.a. |
| F 7 | 20 27 | 26 13 | 4 54 | 23 4 | 0n11 | 25 30 | 1 39 | 7 2 | 0 34 | 6 58 | 1 28 | 20 15 | 0 42 | 19 2 | 0 1 | 20 50 | 0 48 | 6 55 | 12 37 | 14 12 | 14 4 | 10 24 | | n.a. |
| S 8 | 20 40 | 27 55 | 4 29 | 22 49 | 0 28 | 25 32 | 1 39 | 7 19 | 0 34 | 6 55 | 1 28 | 20 16 | 0 42 | 19 3 | 0 1 | 20 51 | 0 48 | 6 54 | 12 37 | 14 16 | 14 5 | 10 27 | | n.a. |
| S 9 | 20 53 | 27 41 | 3 48 | 22 31 | 0 46 | 25 34 | 1 40 | 7 36 | 0 33 | 6 52 | 1 28 | 20 18 | 0 41 | 19 4 | 0 1 | 20 51 | 0 48 | 6 54 | 12 37 | 14 19 | 14 6 | 10 31 | | n.a. |
| M10 | 21 5 | 25 43 | 2 55 | 22 11 | 1 5 | 25 36 | 1 40 | 7 53 | 0 32 | 6 50 | 1 29 | 20 19 | 0 41 | 19 5 | 0 1 | 20 52 | 0 48 | 6 53 | 12 38 | 14 22 | 14 7 | 10 34 | | n.a. |
| T 11 | 21 17 | 22 21 | 1 53 | 21 50 | 1 24 | 25 36 | 1 41 | 8 10 | 0 32 | 6 47 | 1 29 | 20 21 | 0 41 | 19 6 | 0 1 | 20 52 | 0 48 | 6 53 | 12 38 | 14 23 | 14 8 | 10 37 | | n.a. |
| W12 | 21 29 | 17 59 | 0 48 | 21 28 | 1 43 | 25 36 | 1 41 | 8 27 | 0 31 | 6 45 | 1 29 | 20 22 | 0 41 | 19 7 | 0 1 | 20 52 | 0 48 | 6 52 | 12 38 | 14 24 | 14 9 | 10 40 | | n.a. |
| T 13 | 21 40 | 12 58 | 0s18 | 21 5 | 2 2 | 25 35 | 1 42 | 8 44 | 0 31 | 6 42 | 1 29 | 20 24 | 0 41 | 19 7 | 0 1 | 20 53 | 0 48 | 6 52 | 12 39 | 14 24 | 14 10 | 10 43 | | n.a. |
| F 14 | 21 51 | 7 34 | 1 22 | 20 41 | 2 20 | 25 33 | 1 42 | 9 1 | 0 30 | 6 40 | 1 30 | 20 25 | 0 41 | 19 8 | 0 1 | 20 53 | 0 48 | 6 52 | 12 39 | 14 24 | 14 11 | 10 46 | | n.a. |
| S 15 | 22 1 | 2 0 | 2 20 | 20 17 | 2 37 | 25 30 | 1 42 | 9 18 | 0 29 | 6 38 | 1 30 | 20 27 | 0 41 | 19 9 | 0 1 | 20 54 | 0 48 | 6 51 | 12 39 | 14 24 | 14 12 | 10 49 | | n.a. |
| S 16 | 22 11 | 3s34 | 3 13 | 19 53 | 2 52 | 25 26 | 1 42 | 9 35 | 0 29 | 6 35 | 1 30 | 20 28 | 0 41 | 19 10 | 0 1 | 20 54 | 0 48 | 6 51 | 12 39 | 14 25 | 14 13 | 10 52 | | n.a. |
| M17 | 22 21 | 9 0 | 3 56 | 19 30 | 3 6 | 25 22 | 1 42 | 9 52 | 0 28 | 6 33 | 1 30 | 20 30 | 0 41 | 19 11 | 0 1 | 20 55 | 0 48 | 6 51 | 12 40 | 14 26 | 14 14 | 10 55 | | n.a. |
| T 18 | 22 30 | 14 7 | 4 30 | 19 8 | 3 18 | 25 17 | 1 42 | 10 8 | 0 27 | 6 31 | 1 31 | 20 31 | 0 41 | 19 12 | 0 1 | 20 55 | 0 48 | 6 50 | 12 40 | 14 29 | 14 15 | 10 58 | | n.a. |
| W19 | 22 39 | 18 46 | 4 52 | 18 48 | 3 27 | 25 11 | 1 42 | 10 25 | 0 27 | 6 29 | 1 31 | 20 33 | 0 41 | 19 13 | 0 1 | 20 55 | 0 48 | 6 50 | 12 40 | 14 32 | 14 16 | 11 2 | | n.a. |
| T 20 | 22 47 | 22 42 | 5 1 | 18 29 | 3 34 | 25 5 | 1 42 | 10 41 | 0 26 | 6 27 | 1 31 | 20 34 | 0 41 | 19 14 | 0 1 | 20 56 | 0 48 | 6 50 | 12 40 | 14 36 | 14 18 | 11 5 | | n.a. |
| F 21 | 22 54 | 25 43 | 4 57 | 18 13 | 3 39 | 24 57 | 1 41 | 10 58 | 0 25 | 6 25 | 1 31 | 20 36 | 0 41 | 19 14 | 0 1 | 20 56 | 0 48 | 6 49 | 12 41 | 14 41 | 14 19 | 11 8 | | n.a. |
| S 22 | 23 2 | 27 32 | 4 38 | 18 0 | 3 41 | 24 49 | 1 41 | 11 14 | 0 25 | 6 23 | 1 32 | 20 37 | 0 41 | 19 15 | 0 1 | 20 57 | 0 48 | 6 49 | 12 41 | 14 45 | 14 20 | 11 11 | | n.a. |
| S 23 | 23 9 | 27 58 | 4 6 | 17 50 | 3 41 | 24 40 | 1 41 | 11 30 | 0 24 | 6 21 | 1 32 | 20 38 | 0 41 | 19 16 | 0 1 | 20 57 | 0 48 | 6 49 | 12 41 | 14 49 | 14 21 | 11 14 | | n.a. |
| M24 | 23 15 | 26 55 | 3 20 | 17 42 | 3 39 | 24 31 | 1 40 | 11 47 | 0 23 | 6 19 | 1 32 | 20 40 | 0 40 | 19 17 | 0 1 | 20 57 | 0 48 | 6 49 | 12 42 | 14 51 | 14 22 | 11 17 | | n.a. |
| T 25 | 23 21 | 24 23 | 2 24 | 17 38 | 3 36 | 24 20 | 1 40 | 12 3 | 0 22 | 6 18 | 1 32 | 20 41 | 0 40 | 19 18 | 0 1 | 20 58 | 0 48 | 6 48 | 12 42 | 14 54 | 14 23 | 11 20 | | n.a. |
| W26 | 23 26 | 20 31 | 1 19 | 17 36 | 3 31 | 24 9 | 1 39 | 12 19 | 0 22 | 6 16 | 1 33 | 20 43 | 0 40 | 19 19 | 0 1 | 20 58 | 0 48 | 6 48 | 12 42 | 14 55 | 14 24 | 11 23 | | n.a. |
| T 27 | 23 31 | 15 34 | 0 8 | 17 37 | 3 24 | 23 57 | 1 38 | 12 35 | 0 21 | 6 14 | 1 33 | 20 44 | 0 40 | 19 20 | 0 1 | 20 59 | 0 48 | 6 48 | 12 43 | 14 55 | 14 25 | 11 26 | | n.a. |
| F 28 | 23 36 | 9 46 | 1n 4 | 17 41 | 3 17 | 23 45 | 1 37 | 12 50 | 0 20 | 6 13 | 1 33 | 20 45 | 0 40 | 19 20 | 0 1 | 20 59 | 0 48 | 6 48 | 12 43 | 14 55 | 14 26 | 11 29 | | n.a. |
| S 29 | 23 40 | 3 27 | 2 13 | 17 47 | 3 8 | 23 32 | 1 36 | 13 6 | 0 19 | 6 11 | 1 34 | 20 47 | 0 40 | 19 21 | 0 1 | 20 59 | 0 48 | 6 48 | 12 43 | 14 55 | 14 27 | 11 32 | | n.a. |
| S 30 | 23 43 | 3n 8 | 3 16 | 17 56 | 2 59 | 23 18 | 1 35 | 13 22 | 0 19 | 6 10 | 1 34 | 20 48 | 0 40 | 19 22 | 0 1 | 21 0 | 0 48 | 6 48 | 12 44 | 14 55 | 14 28 | 11 35 | | n.a. |
| M31 | 23s47 | 9n40 | 4n 8 | 18s 6 | 2n49 | 23s 3 | 1s34 | 13s37 | 0n18 | 6n 9 | 1n34 | 20s49 | 0n40 | 19s23 | 0n 1 | 21s 0 | 0n48 | 6n48 | 12n44 | 14s55 | 14s29 | 11s38 | | n.a. |

Julian Day Number = 1006597.5, Delta T = 12h44m55s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'25, Lahiri = -30°56'24 Julian Calendar 1 Dec. 1958 BCE == Greg. Calendar 14 Nov. 1958 BCE

The year -1957 astronomical counting style corresponds to year 1958 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## JANUARY 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 33 15 | 24♐52'30 | 29♈ 2 | 1♐40 | 26♑30 | 7♏ 4 | 18♍23 | 4♐40 | 25♏ 1 | 6♐19 | 12♎10 | 20°R30 | 21♒52 | 19♎17 | n.a. | T 1 |
| W 2 | 5 37 11 | 25°53'03 | 13♉34 | 1°58 | 27°43 | 7°48 | 18°26 | 4°47 | 25° 4 | 6°22 | 12°11 | 20♒24 | 21°49 | 19°23 | n.a. | W 2 |
| T 3 | 5 41 8 | 26°53'34 | 28° 9 | 2°22 | 28°56 | 8°32 | 18°30 | 4°54 | 25° 7 | 6°24 | 12°12 | 20°16 | 21°45 | 19°30 | n.a. | T 3 |
| F 4 | 5 45 4 | 27°54'03 | 12♊39 | 2°50 | 0♒ 9 | 9°16 | 18°33 | 5° 1 | 25°10 | 6°26 | 12°12 | 20° 7 | 21°42 | 19°37 | n.a. | F 4 |
| S 5 | 5 49 1 | 28°54'30 | 26°58 | 3°24 | 1°22 | 10° 0 | 18°36 | 5° 8 | 25°13 | 6°28 | 12°13 | 19°59 | 21°39 | 19°43 | n.a. | S 5 |
| S 6 | 5 52 58 | 29°54'56 | 11♋ 0 | 4° 3 | 2°36 | 10°44 | 18°39 | 5°14 | 25°16 | 6°30 | 12°14 | 19°52 | 21°36 | 19°50 | n.a. | S 6 |
| M 7 | 5 56 54 | 0♑55'19 | 24°40 | 4°45 | 3°49 | 11°28 | 18°41 | 5°21 | 25°19 | 6°32 | 12°15 | 19°47 | 21°33 | 19°57 | n.a. | M 7 |
| T 8 | 6 0 51 | 1°55'41 | 7♌57 | 5°32 | 5° 1 | 12°12 | 18°44 | 5°28 | 25°23 | 6°34 | 12°16 | 19°44 | 21°29 | 20° 4 | n.a. | T 8 |
| W 9 | 6 4 47 | 2°56'01 | 20°50 | 6°22 | 6°14 | 12°56 | 18°46 | 5°34 | 25°26 | 6°37 | 12°17 | 19°D43 | 21°26 | 20°10 | n.a. | W 9 |
| T 10 | 6 8 44 | 3°56'20 | 3♍22 | 7°15 | 7°27 | 13°40 | 18°48 | 5°41 | 25°29 | 6°39 | 12°18 | 19°44 | 21°23 | 20°17 | n.a. | T 10 |
| F 11 | 6 12 40 | 4°56'36 | 15°37 | 8°11 | 8°40 | 14°24 | 18°50 | 5°48 | 25°31 | 6°41 | 12°18 | 19°45 | 21°20 | 20°24 | n.a. | F 11 |
| S 12 | 6 16 37 | 5°56'51 | 27°38 | 9°10 | 9°52 | 15° 8 | 18°52 | 5°54 | 25°34 | 6°43 | 12°19 | 19°47 | 21°17 | 20°30 | n.a. | S 12 |
| S 13 | 6 20 33 | 6°57'04 | 9♎32 | 10°12 | 11° 5 | 15°53 | 18°53 | 6° 1 | 25°37 | 6°45 | 12°20 | 19°R47 | 21°14 | 20°37 | n.a. | S 13 |
| M14 | 6 24 30 | 7°57'15 | 21°23 | 11°16 | 12°18 | 16°37 | 18°54 | 6° 7 | 25°40 | 6°47 | 12°20 | 19°46 | 21°10 | 20°44 | n.a. | M14 |
| T 15 | 6 28 26 | 8°57'25 | 3♏16 | 12°23 | 13°30 | 17°21 | 18°56 | 6°13 | 25°43 | 6°49 | 12°21 | 19°43 | 21° 7 | 20°51 | n.a. | T 15 |
| W16 | 6 32 23 | 9°57'33 | 15°15 | 13°31 | 14°42 | 18° 5 | 18°57 | 6°20 | 25°46 | 6°51 | 12°21 | 19°38 | 21° 4 | 20°57 | n.a. | W16 |
| T 17 | 6 36 20 | 10°57'39 | 27°25 | 14°42 | 15°55 | 18°49 | 18°57 | 6°26 | 25°49 | 6°53 | 12°22 | 19°32 | 21° 1 | 21° 4 | n.a. | T 17 |
| F 18 | 6 40 16 | 11°57'44 | 9♐48 | 15°55 | 17° 7 | 19°34 | 18°58 | 6°32 | 25°51 | 6°55 | 12°22 | 19°25 | 20°58 | 21°11 | n.a. | F 18 |
| S 19 | 6 44 13 | 12°57'46 | 22°27 | 17° 9 | 18°19 | 20°18 | 18°58 | 6°39 | 25°54 | 6°57 | 12°23 | 19°18 | 20°55 | 21°17 | n.a. | S 19 |
| S 20 | 6 48 9 | 13°57'46 | 5♑21 | 18°25 | 19°31 | 21° 2 | 18°58 | 6°45 | 25°57 | 6°59 | 12°23 | 19°12 | 20°51 | 21°24 | n.a. | S 20 |
| M21 | 6 52 6 | 14°57'45 | 18°31 | 19°43 | 20°43 | 21°47 | 18°R58 | 6°51 | 25°59 | 7° 1 | 12°24 | 19° 8 | 20°48 | 21°31 | n.a. | M21 |
| T 22 | 6 56 2 | 15°57'41 | 1♒54 | 21° 2 | 21°55 | 22°31 | 18°58 | 6°57 | 26° 2 | 7° 2 | 12°24 | 19° 5 | 20°45 | 21°37 | n.a. | T 22 |
| W23 | 6 59 59 | 16°57'35 | 15°31 | 22°23 | 23° 7 | 23°15 | 18°58 | 7° 3 | 26° 5 | 7° 4 | 12°24 | 19°D 4 | 20°42 | 21°44 | n.a. | W23 |
| T 24 | 7 3 55 | 17°57'27 | 29°17 | 23°46 | 24°19 | 24° 0 | 18°57 | 7° 9 | 26° 7 | 7° 6 | 12°24 | 19° 4 | 20°39 | 21°51 | n.a. | T 24 |
| F 25 | 7 7 52 | 18°57'16 | 13♓13 | 25°10 | 25°30 | 24°44 | 18°57 | 7°15 | 26°10 | 7° 8 | 12°25 | 19° 5 | 20°35 | 21°58 | n.a. | F 25 |
| S 26 | 7 11 49 | 19°57'03 | 27°15 | 26°35 | 26°42 | 25°28 | 18°56 | 7°21 | 26°12 | 7°10 | 12°25 | 19° 7 | 20°32 | 22° 4 | n.a. | S 26 |
| S 27 | 7 15 45 | 20°56'47 | 11♈22 | 28° 1 | 27°53 | 26°13 | 18°55 | 7°27 | 26°14 | 7°12 | 12°25 | 19° 8 | 20°29 | 22°11 | n.a. | S 27 |
| M28 | 7 19 42 | 21°56'29 | 25°32 | 29°29 | 29° 5 | 26°57 | 18°53 | 7°33 | 26°17 | 7°13 | 12°25 | 19°R 8 | 20°26 | 22°18 | n.a. | M28 |
| T 29 | 7 23 38 | 22°56'08 | 9♉44 | 0♑59 | 0♓16 | 27°42 | 18°52 | 7°38 | 26°19 | 7°15 | 12°25 | 19° 7 | 20°23 | 22°24 | n.a. | T 29 |
| W30 | 7 27 35 | 23°55'45 | 23°55 | 2°29 | 1°27 | 28°26 | 18°50 | 7°44 | 26°21 | 7°17 | 12°25 | 19° 5 | 20°20 | 22°31 | n.a. | W30 |
| T 31 | 7 31 31 | 24♑55'20 | 8♊ 3 | 4♑ 1 | 2♓38 | 29♏10 | 18♍48 | 7♐50 | 26♏24 | 7♐18 | 12°R25 | 19♒ 2 | 20♒16 | 22♎38 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 23 s49 | 15n46 | 4n44 | 18 s19 | 2n39 | 22 s48 | 1 s33 | 13 s53 | 0n17 | 6n 8 | 1n34 | 20 s51 | 0n40 | 19 s24 | 0n 1 | 21 s 1 | 0n48 | 6n47 | 12n44 | 14 s57 | 14 s30 | 11 s41 | | | n.a. |
| W 2 | 23 51 | 21 2 | 5 3 | 18 33 | 2 29 | 22 32 | 1 32 | 14 8 | 0 16 | 6 6 | 1 35 | 20 52 | 0 40 | 19 24 | 0 1 | 21 1 | 0 48 | 6 47 | 12 45 | 14 59 | 14 31 | 11 45 | | | n.a. |
| T 3 | 23 53 | 25 3 | 5 3 | 18 48 | 2 18 | 22 16 | 1 31 | 14 23 | 0 16 | 6 5 | 1 35 | 20 53 | 0 40 | 19 25 | 0 1 | 21 1 | 0 48 | 6 47 | 12 45 | 15 1 | 14 32 | 11 48 | | | n.a. |
| F 4 | 23 54 | 27 26 | 4 42 | 19 4 | 2 7 | 21 58 | 1 29 | 14 38 | 0 15 | 6 4 | 1 35 | 20 55 | 0 40 | 19 26 | 0 1 | 21 2 | 0 48 | 6 47 | 12 45 | 15 4 | 14 33 | 11 51 | | | n.a. |
| S 5 | 23 55 | 27 58 | 4 5 | 19 21 | 1 57 | 21 41 | 1 28 | 14 53 | 0 14 | 6 3 | 1 35 | 20 56 | 0 40 | 19 27 | 0 1 | 21 2 | 0 48 | 6 47 | 12 46 | 15 7 | 14 34 | 11 54 | | | n.a. |
| S 6 | 23 55 | 26 39 | 3 13 | 19 39 | 1 46 | 21 22 | 1 26 | 15 8 | 0 13 | 6 3 | 1 36 | 20 57 | 0 40 | 19 27 | 0 1 | 21 2 | 0 48 | 6 47 | 12 46 | 15 9 | 14 35 | 11 57 | | | n.a. |
| M 7 | 23 55 | 23 46 | 2 11 | 19 58 | 1 35 | 21 3 | 1 24 | 15 23 | 0 12 | 6 2 | 1 36 | 20 58 | 0 40 | 19 28 | 0 1 | 21 3 | 0 48 | 6 47 | 12 46 | 15 11 | 14 36 | 12 0 | | | n.a. |
| T 8 | 23 54 | 19 40 | 1 3 | 20 17 | 1 24 | 20 44 | 1 23 | 15 37 | 0 12 | 6 1 | 1 36 | 21 0 | 0 40 | 19 29 | 0 1 | 21 3 | 0 48 | 6 47 | 12 47 | 15 12 | 14 37 | 12 3 | | | n.a. |
| W 9 | 23 53 | 14 45 | 0 s 6 | 20 36 | 1 13 | 20 24 | 1 21 | 15 52 | 0 11 | 6 0 | 1 37 | 21 1 | 0 40 | 19 30 | 0 1 | 21 4 | 0 48 | 6 47 | 12 47 | 15 12 | 14 38 | 12 6 | | | n.a. |
| T 10 | 23 52 | 9 20 | 1 13 | 20 56 | 1 3 | 20 3 | 1 19 | 16 6 | 0 10 | 6 0 | 1 37 | 21 2 | 0 40 | 19 30 | 0 0 | 21 4 | 0 48 | 6 47 | 12 47 | 15 12 | 14 40 | 12 9 | | | n.a. |
| F 11 | 23 50 | 3 43 | 2 15 | 21 15 | 0 52 | 19 42 | 1 17 | 16 20 | 0 9 | 5 59 | 1 37 | 21 3 | 0 40 | 19 31 | 0 0 | 21 4 | 0 48 | 6 47 | 12 48 | 15 11 | 14 41 | 12 12 | | | n.a. |
| S 12 | 23 47 | 1 s57 | 3 11 | 21 35 | 0 42 | 19 20 | 1 15 | 16 34 | 0 8 | 5 59 | 1 37 | 21 5 | 0 39 | 19 32 | 0 0 | 21 5 | 0 48 | 6 47 | 12 48 | 15 11 | 14 42 | 12 15 | | | n.a. |
| S 13 | 23 44 | 7 28 | 3 57 | 21 54 | 0 32 | 18 58 | 1 13 | 16 48 | 0 7 | 5 59 | 1 38 | 21 6 | 0 39 | 19 33 | 0 0 | 21 5 | 0 48 | 6 47 | 12 48 | 15 11 | 14 43 | 12 18 | | | n.a. |
| M14 | 23 41 | 12 42 | 4 33 | 22 13 | 0 22 | 18 35 | 1 11 | 17 2 | 0 7 | 5 58 | 1 38 | 21 7 | 0 39 | 19 33 | 0 0 | 21 5 | 0 48 | 6 47 | 12 49 | 15 11 | 14 44 | 12 21 | | | n.a. |
| T 15 | 23 37 | 17 29 | 4 57 | 22 31 | 0 13 | 18 12 | 1 9 | 17 16 | 0 6 | 5 58 | 1 38 | 21 8 | 0 39 | 19 34 | 0 0 | 21 6 | 0 48 | 6 47 | 12 49 | 15 12 | 14 45 | 12 24 | | | n.a. |
| W16 | 23 32 | 21 38 | 5 9 | 22 49 | 0 4 | 17 48 | 1 6 | 17 29 | 0 5 | 5 58 | 1 39 | 21 9 | 0 39 | 19 35 | 0 0 | 21 6 | 0 48 | 6 48 | 12 49 | 15 14 | 14 46 | 12 27 | | | n.a. |
| T 17 | 23 27 | 24 57 | 5 7 | 23 7 | 0 s 5 | 17 24 | 1 4 | 17 42 | 0 4 | 5 58 | 1 39 | 21 10 | 0 39 | 19 35 | 0 0 | 21 6 | 0 48 | 6 48 | 12 50 | 15 15 | 14 47 | 12 30 | | | n.a. |
| F 18 | 23 22 | 27 9 | 4 51 | 23 24 | 0 14 | 17 0 | 1 2 | 17 56 | 0 3 | 5 58 | 1 39 | 21 12 | 0 39 | 19 36 | 0 0 | 21 7 | 0 48 | 6 48 | 12 50 | 15 18 | 14 48 | 12 33 | | | n.a. |
| S 19 | 23 16 | 28 2 | 4 20 | 23 40 | 0 23 | 16 35 | 0 59 | 18 9 | 0 2 | 5 58 | 1 39 | 21 13 | 0 39 | 19 37 | 0 0 | 21 7 | 0 48 | 6 48 | 12 50 | 15 20 | 14 49 | 12 36 | | | n.a. |
| S 20 | 23 10 | 27 24 | 3 35 | 23 55 | 0 31 | 16 9 | 0 56 | 18 21 | 0 1 | 5 58 | 1 40 | 21 14 | 0 39 | 19 37 | 0 0 | 21 7 | 0 48 | 6 48 | 12 51 | 15 22 | 14 50 | 12 39 | | | n.a. |
| M21 | 23 4 | 25 14 | 2 39 | 24 10 | 0 39 | 15 43 | 0 54 | 18 34 | 0 0 | 5 58 | 1 40 | 21 15 | 0 39 | 19 38 | 0 0 | 21 8 | 0 48 | 6 48 | 12 51 | 15 23 | 14 51 | 12 42 | | | n.a. |
| T 22 | 22 57 | 21 38 | 1 32 | 24 23 | 0 47 | 15 17 | 0 51 | 18 47 | 0 s 1 | 5 59 | 1 40 | 21 16 | 0 39 | 19 39 | 0 0 | 21 8 | 0 48 | 6 49 | 12 52 | 15 24 | 14 52 | 12 45 | | | n.a. |
| W23 | 22 49 | 16 49 | 0 19 | 24 36 | 0 54 | 14 51 | 0 48 | 18 59 | 0 1 | 5 59 | 1 40 | 21 17 | 0 39 | 19 39 | 0 0 | 21 8 | 0 48 | 6 49 | 12 52 | 15 25 | 14 53 | 12 48 | | | n.a. |
| T 24 | 22 41 | 11 5 | 0n56 | 24 47 | 1 1 | 14 24 | 0 45 | 19 11 | 0 2 | 6 0 | 1 41 | 21 18 | 0 39 | 19 40 | 0 0 | 21 9 | 0 48 | 6 49 | 12 52 | 15 24 | 14 54 | 12 51 | | | n.a. |
| F 25 | 22 33 | 4 45 | 2 8 | 24 58 | 1 8 | 13 56 | 0 42 | 19 23 | 0 3 | 6 0 | 1 41 | 21 19 | 0 39 | 19 41 | 0 0 | 21 9 | 0 48 | 6 49 | 12 53 | 15 24 | 14 55 | 12 54 | | | n.a. |
| S 26 | 22 24 | 1n50 | 3 14 | 25 7 | 1 14 | 13 29 | 0 39 | 19 35 | 0 4 | 6 1 | 1 41 | 21 20 | 0 39 | 19 41 | 0 0 | 21 9 | 0 48 | 6 50 | 12 53 | 15 24 | 14 56 | 12 57 | | | n.a. |
| S 27 | 22 15 | 8 22 | 4 8 | 25 15 | 1 20 | 13 1 | 0 36 | 19 47 | 0 5 | 6 2 | 1 42 | 21 21 | 0 39 | 19 42 | 0 0 | 21 9 | 0 48 | 6 50 | 12 53 | 15 23 | 14 57 | 13 0 | | | n.a. |
| M28 | 22 6 | 14 31 | 4 47 | 25 21 | 1 26 | 12 33 | 0 33 | 19 58 | 0 6 | 6 2 | 1 42 | 21 22 | 0 39 | 19 42 | 0 0 | 21 10 | 0 48 | 6 50 | 12 54 | 15 23 | 14 58 | 13 3 | | | n.a. |
| T 29 | 21 56 | 19 54 | 5 9 | 25 27 | 1 32 | 12 4 | 0 30 | 20 9 | 0 7 | 6 3 | 1 42 | 21 23 | 0 39 | 19 43 | 0 0 | 21 10 | 0 48 | 6 50 | 12 54 | 15 23 | 14 59 | 13 6 | | | n.a. |
| W30 | 21 45 | 24 10 | 5 12 | 25 30 | 1 37 | 11 35 | 0 27 | 20 21 | 0 8 | 6 4 | 1 42 | 21 24 | 0 39 | 19 43 | 0 0 | 21 10 | 0 48 | 6 51 | 12 54 | 15 24 | 15 0 | 13 9 | | | n.a. |
| T 31 | 21 s34 | 26n58 | 4n57 | 25 s33 | 1 s41 | 11 s 6 | 0 s24 | 20 s31 | 0 s 9 | 6n 5 | 1n43 | 21 s25 | 0n39 | 19 s44 | 0n 0 | 21 s11 | 0n48 | 6n51 | 12n55 | 15 s25 | 15 s 1 | 13 s12 | | | n.a. |

Julian Day Number = 1006628.5, Delta T = 12h44m53s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'21, Lahiri = -30°56'20 Julian Calendar 1 Jan. 1957 BCE == Greg. Calendar 15 Dec. 1958 BCE

The year -1956 astronomical counting style corresponds to year 1957 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## FEBRUARY 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 35 28 | 25♉54'52 | 22♊ 4 | 5♉34 | 3♓49 | 29♏55 | 18°R46 | 7♐55 | 26♏26 | 7♐20 | 12°R25 | 18°R59 | 20♒13 | 22♎45 | n.a. | F 1 |
| S 2 | 7 39 24 | 26°54'22 | 5♋54 | 7° 8 | 5° 0 | 0♐39 | 18♍44 | 8° 1 | 26°28 | 7°22 | 12♎25 | 18♒55 | 20°10 | 22°51 | n.a. | S 2 |
| S 3 | 7 43 21 | 27°53'49 | 19°31 | 8°44 | 6°11 | 1°24 | 18°41 | 8° 6 | 26°30 | 7°23 | 12°25 | 18°53 | 20° 7 | 22°58 | n.a. | S 3 |
| M 4 | 7 47 18 | 28°53'14 | 2♌51 | 10°21 | 7°21 | 2° 8 | 18°39 | 8°12 | 26°32 | 7°25 | 12°25 | 18°51 | 20° 4 | 23° 5 | n.a. | M 4 |
| T 5 | 7 51 14 | 29°52'37 | 15°54 | 11°59 | 8°32 | 2°53 | 18°36 | 8°17 | 26°34 | 7°27 | 12°25 | 18°D50 | 20° 1 | 23°11 | n.a. | T 5 |
| W 6 | 7 55 11 | 0♒51'58 | 28°40 | 13°39 | 9°42 | 3°37 | 18°33 | 8°22 | 26°36 | 7°28 | 12°25 | 18°50 | 19°57 | 23°18 | n.a. | W 6 |
| T 7 | 7 59 7 | 1°51'16 | 11♍ 8 | 15°19 | 10°53 | 4°22 | 18°30 | 8°28 | 26°38 | 7°30 | 12°24 | 18°51 | 19°54 | 23°25 | n.a. | T 7 |
| F 8 | 8 3 4 | 2°50'33 | 23°22 | 17° 2 | 12° 3 | 5° 7 | 18°27 | 8°33 | 26°40 | 7°31 | 12°24 | 18°53 | 19°51 | 23°32 | n.a. | F 8 |
| S 9 | 8 7 0 | 3°49'47 | 5♎25 | 18°45 | 13°13 | 5°51 | 18°23 | 8°38 | 26°42 | 7°33 | 12°24 | 18°54 | 19°48 | 23°38 | n.a. | S 9 |
| S 10 | 8 10 57 | 4°49'00 | 17°21 | 20°30 | 14°23 | 6°36 | 18°20 | 8°43 | 26°44 | 7°34 | 12°24 | 18°55 | 19°45 | 23°45 | n.a. | S 10 |
| M11 | 8 14 53 | 5°48'10 | 29°13 | 22°16 | 15°32 | 7°20 | 18°16 | 8°48 | 26°46 | 7°35 | 12°23 | 18°56 | 19°41 | 23°52 | n.a. | M11 |
| T 12 | 8 18 50 | 6°47'19 | 11♏ 7 | 24° 3 | 16°42 | 8° 5 | 18°12 | 8°53 | 26°48 | 7°37 | 12°23 | 18°R56 | 19°38 | 23°58 | n.a. | T 12 |
| W13 | 8 22 46 | 7°46'26 | 23° 7 | 25°52 | 17°52 | 8°49 | 18° 8 | 8°57 | 26°49 | 7°38 | 12°22 | 18°55 | 19°35 | 24° 5 | n.a. | W13 |
| T 14 | 8 26 43 | 8°45'31 | 5♐18 | 27°42 | 19° 1 | 9°34 | 18° 3 | 9° 2 | 26°51 | 7°40 | 12°22 | 18°55 | 19°32 | 24°12 | n.a. | T 14 |
| F 15 | 8 30 40 | 9°44'34 | 17°44 | 29°34 | 20°10 | 10°19 | 17°59 | 9° 7 | 26°53 | 7°41 | 12°22 | 18°53 | 19°29 | 24°18 | n.a. | F 15 |
| S 16 | 8 34 36 | 10°43'34 | 0♑28 | 1♒27 | 21°19 | 11° 3 | 17°54 | 9°11 | 26°54 | 7°42 | 12°21 | 18°52 | 19°26 | 24°25 | n.a. | S 16 |
| S 17 | 8 38 33 | 11°42'33 | 13°32 | 3°21 | 22°28 | 11°48 | 17°49 | 9°16 | 26°56 | 7°43 | 12°21 | 18°51 | 19°22 | 24°32 | n.a. | S 17 |
| M18 | 8 42 29 | 12°41'30 | 26°56 | 5°17 | 23°37 | 12°32 | 17°44 | 9°20 | 26°57 | 7°45 | 12°20 | 18°51 | 19°19 | 24°39 | n.a. | M18 |
| T 19 | 8 46 26 | 13°40'25 | 10♒40 | 7°13 | 24°46 | 13°17 | 17°39 | 9°25 | 26°59 | 7°46 | 12°19 | 18°50 | 19°16 | 24°45 | n.a. | T 19 |
| W20 | 8 50 22 | 14°39'17 | 24°41 | 9°12 | 25°54 | 14° 2 | 17°34 | 9°29 | 27° 0 | 7°47 | 12°19 | 18°D50 | 19°13 | 24°52 | n.a. | W20 |
| T 21 | 8 54 19 | 15°38'08 | 8♓56 | 11°11 | 27° 3 | 14°46 | 17°29 | 9°33 | 27° 1 | 7°48 | 12°18 | 18°50 | 19°10 | 24°59 | n.a. | T 21 |
| F 22 | 8 58 15 | 16°36'55 | 23°19 | 13°12 | 28°11 | 15°31 | 17°23 | 9°38 | 27° 3 | 7°49 | 12°17 | 18°51 | 19° 7 | 25° 5 | n.a. | F 22 |
| S 23 | 9 2 12 | 17°35'41 | 7♈46 | 15°14 | 29°19 | 16°15 | 17°18 | 9°42 | 27° 4 | 7°50 | 12°17 | 18°51 | 19° 3 | 25°12 | n.a. | S 23 |
| S 24 | 9 6 8 | 18°34'24 | 22°12 | 17°17 | 0♈27 | 17° 0 | 17°12 | 9°46 | 27° 5 | 7°51 | 12°16 | 18°R51 | 19° 0 | 25°19 | n.a. | S 24 |
| M25 | 9 10 5 | 19°33'05 | 6♉32 | 19°21 | 1°35 | 17°44 | 17° 6 | 9°49 | 27° 6 | 7°52 | 12°15 | 18°51 | 18°57 | 25°26 | n.a. | M25 |
| T 26 | 9 14 2 | 20°31'43 | 20°45 | 21°26 | 2°42 | 18°29 | 17° 0 | 9°53 | 27° 7 | 7°53 | 12°14 | 18°D51 | 18°54 | 25°32 | n.a. | T 26 |
| W27 | 9 17 58 | 21°30'19 | 4♊46 | 23°31 | 3°49 | 19°14 | 16°54 | 9°57 | 27° 8 | 7°54 | 12°13 | 18°51 | 18°51 | 25°39 | n.a. | W27 |
| T 28 | 9 21 55 | 22°28'53 | 18°36 | 25°37 | 4°57 | 19°58 | 16°47 | 10° 1 | 27° 9 | 7°55 | 12°13 | 18°51 | 18°47 | 25°46 | n.a. | T 28 |
| F 29 | 9 25 51 | 23♒27'24 | 2♋13 | 27♒43 | 6♈ 4 | 20♐43 | 16♍41 | 10♐ 4 | 27♏10 | 7♐56 | 12♎12 | 18♒51 | 18♒44 | 25♎52 | n.a. | F 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 21 s23 | 28n 3 | 4n23 | 25 s34 | 1 s46 | 10 s37 | 0 s20 | 20 s42 | 0 s10 | 6n 6 | 1n43 | 21 s26 | 0n39 | 19 s45 | 0n 0 | 21 s11 | 0n48 | 6n51 | 12n55 | 15 s26 | 15 s 2 | 13 s14 | | n.a. | F 1 |
| S 2 | 21 12 | 27 22 | 3 35 | 25 33 | 1 50 | 10 8 | 0 17 | 20 53 | 0 11 | 6 7 | 1 43 | 21 27 | 0 39 | 19 45 | 0 0 | 21 11 | 0 48 | 6 52 | 12 55 | 15 27 | 15 3 | 13 17 | | n.a. | S 2 |
| S 3 | 21 0 | 25 1 | 2 34 | 25 30 | 1 53 | 9 38 | 0 13 | 21 3 | 0 12 | 6 8 | 1 43 | 21 28 | 0 39 | 19 46 | 0 0 | 21 11 | 0 48 | 6 52 | 12 56 | 15 28 | 15 4 | 13 20 | | n.a. | S 3 |
| M 4 | 20 48 | 21 19 | 1 27 | 25 26 | 1 56 | 9 8 | 0 10 | 21 13 | 0 13 | 6 10 | 1 44 | 21 29 | 0 39 | 19 46 | 0 0 | 21 12 | 0 48 | 6 52 | 12 56 | 15 29 | 15 5 | 13 23 | | n.a. | M 4 |
| T 5 | 20 35 | 16 39 | 0 16 | 25 21 | 1 59 | 8 38 | 0 6 | 21 23 | 0 14 | 6 11 | 1 44 | 21 30 | 0 39 | 19 47 | 0 0 | 21 12 | 0 48 | 6 53 | 12 57 | 15 29 | 15 6 | 13 26 | | n.a. | T 5 |
| W 6 | 20 22 | 11 20 | 0 s54 | 25 13 | 2 1 | 8 8 | 0 3 | 21 33 | 0 15 | 6 12 | 1 44 | 21 31 | 0 39 | 19 47 | 0 0 | 21 12 | 0 48 | 6 53 | 12 57 | 15 29 | 15 7 | 13 29 | | n.a. | W 6 |
| T 7 | 20 9 | 5 41 | 2 0 | 25 3 | 2 3 | 7 37 | 0n 1 | 21 42 | 0 16 | 6 14 | 1 44 | 21 31 | 0 39 | 19 48 | 0 0 | 21 12 | 0 48 | 6 53 | 12 57 | 15 28 | 15 8 | 13 32 | | n.a. | T 7 |
| F 8 | 19 55 | 0 s 3 | 2 59 | 24 52 | 2 4 | 7 7 | 0 4 | 21 52 | 0 17 | 6 15 | 1 45 | 21 32 | 0 39 | 19 48 | 0 0 | 21 13 | 0 48 | 6 54 | 12 58 | 15 28 | 15 9 | 13 35 | | n.a. | F 8 |
| S 9 | 19 41 | 5 42 | 3 50 | 24 39 | 2 5 | 6 36 | 0 8 | 22 1 | 0 18 | 6 17 | 1 45 | 21 33 | 0 39 | 19 48 | 0 0 | 21 13 | 0 48 | 6 54 | 12 58 | 15 28 | 15 10 | 13 38 | | n.a. | S 9 |
| S 10 | 19 27 | 11 5 | 4 30 | 24 24 | 2 6 | 6 5 | 0 12 | 22 10 | 0 19 | 6 19 | 1 45 | 21 34 | 0 38 | 19 49 | 0 0 | 21 13 | 0 48 | 6 55 | 12 58 | 15 27 | 15 11 | 13 41 | | n.a. | S 10 |
| M11 | 19 12 | 16 2 | 4 58 | 24 7 | 2 6 | 5 34 | 0 16 | 22 18 | 0 20 | 6 20 | 1 45 | 21 35 | 0 38 | 19 49 | 0 0 | 21 13 | 0 48 | 6 55 | 12 59 | 15 27 | 15 12 | 13 44 | | n.a. | M11 |
| T 12 | 18 57 | 20 25 | 5 13 | 23 47 | 2 6 | 5 3 | 0 20 | 22 27 | 0 21 | 6 22 | 1 45 | 21 36 | 0 38 | 19 50 | 0 0 | 21 14 | 0 48 | 6 56 | 12 59 | 15 27 | 15 13 | 13 47 | | n.a. | T 12 |
| W13 | 18 42 | 24 0 | 5 15 | 23 26 | 2 5 | 4 32 | 0 23 | 22 35 | 0 22 | 6 24 | 1 46 | 21 36 | 0 38 | 19 50 | 0 0 | 21 14 | 0 48 | 6 56 | 12 59 | 15 27 | 15 14 | 13 50 | | n.a. | W13 |
| T 14 | 18 26 | 26 35 | 5 3 | 23 3 | 2 3 | 4 1 | 0 27 | 22 43 | 0 23 | 6 26 | 1 46 | 21 37 | 0 38 | 19 51 | 0 0 | 21 14 | 0 48 | 6 57 | 13 0 | 15 27 | 15 15 | 13 52 | | n.a. | T 14 |
| F 15 | 18 10 | 27 57 | 4 37 | 22 37 | 2 1 | 3 30 | 0 31 | 22 51 | 0 24 | 6 28 | 1 46 | 21 38 | 0 38 | 19 51 | 0 0 | 21 14 | 0 48 | 6 57 | 13 0 | 15 28 | 15 17 | 13 55 | | n.a. | F 15 |
| S 16 | 17 54 | 27 52 | 3 57 | 22 10 | 1 59 | 2 58 | 0 35 | 22 58 | 0 25 | 6 30 | 1 46 | 21 39 | 0 38 | 19 51 | 0 0 | 21 14 | 0 48 | 6 58 | 13 0 | 15 28 | 15 18 | 13 58 | | n.a. | S 16 |
| S 17 | 17 37 | 26 15 | 3 3 | 21 40 | 1 55 | 2 27 | 0 39 | 23 6 | 0 26 | 6 32 | 1 47 | 21 39 | 0 38 | 19 52 | 0 0 | 21 15 | 0 48 | 6 58 | 13 0 | 15 28 | 15 19 | 14 1 | | n.a. | S 17 |
| M18 | 17 20 | 23 8 | 1 58 | 21 8 | 1 52 | 1 55 | 0 43 | 23 13 | 0 28 | 6 34 | 1 47 | 21 40 | 0 38 | 19 52 | 0 0 | 21 15 | 0 48 | 6 59 | 13 1 | 15 29 | 15 20 | 14 4 | | n.a. | M18 |
| T 19 | 17 3 | 18 38 | 0 45 | 20 34 | 1 48 | 1 24 | 0 47 | 23 20 | 0 29 | 6 36 | 1 47 | 21 41 | 0 38 | 19 52 | 0 0 | 21 15 | 0 48 | 6 59 | 13 1 | 15 29 | 15 21 | 14 7 | | n.a. | T 19 |
| W20 | 16 46 | 13 3 | 0n32 | 19 58 | 1 43 | 0 53 | 0 51 | 23 26 | 0 30 | 6 39 | 1 47 | 21 41 | 0 38 | 19 53 | 0 0 | 21 15 | 0 48 | 7 0 | 13 1 | 15 29 | 15 22 | 14 10 | | n.a. | W20 |
| T 21 | 16 28 | 6 42 | 1 49 | 19 20 | 1 38 | 0 21 | 0 55 | 23 33 | 0 31 | 6 41 | 1 47 | 21 42 | 0 38 | 19 53 | 0 0 | 21 15 | 0 48 | 7 0 | 13 2 | 15 29 | 15 23 | 14 13 | | n.a. | T 21 |
| F 22 | 16 10 | 0n 2 | 3 0 | 18 39 | 1 32 | 0n10 | 0 59 | 23 39 | 0 32 | 6 43 | 1 47 | 21 43 | 0 38 | 19 53 | 0 0 | 21 15 | 0 48 | 7 1 | 13 2 | 15 29 | 15 24 | 14 16 | | n.a. | F 22 |
| S 23 | 15 52 | 6 47 | 3 59 | 17 57 | 1 25 | 0 41 | 1 4 | 23 45 | 0 33 | 6 46 | 1 48 | 21 43 | 0 38 | 19 54 | 0 0 | 21 16 | 0 48 | 7 1 | 13 2 | 15 29 | 15 25 | 14 18 | | n.a. | S 23 |
| S 24 | 15 34 | 13 10 | 4 43 | 17 12 | 1 18 | 1 13 | 1 8 | 23 50 | 0 34 | 6 48 | 1 48 | 21 44 | 0 38 | 19 54 | 0 0 | 21 16 | 0 48 | 7 2 | 13 3 | 15 29 | 15 26 | 14 21 | | n.a. | S 24 |
| M25 | 15 15 | 18 49 | 5 10 | 16 26 | 1 11 | 1 44 | 1 12 | 23 56 | 0 35 | 6 51 | 1 48 | 21 45 | 0 38 | 19 54 | 0 0 | 21 16 | 0 48 | 7 2 | 13 3 | 15 29 | 15 27 | 14 24 | | n.a. | M25 |
| T 26 | 14 56 | 23 23 | 5 17 | 15 38 | 1 2 | 2 15 | 1 16 | 24 1 | 0 36 | 6 53 | 1 48 | 21 45 | 0 38 | 19 55 | 0 0 | 21 16 | 0 48 | 7 3 | 13 3 | 15 29 | 15 28 | 14 27 | | n.a. | T 26 |
| W27 | 14 37 | 26 30 | 5 5 | 14 48 | 0 54 | 2 46 | 1 20 | 24 6 | 0 38 | 6 56 | 1 48 | 21 46 | 0 38 | 19 55 | 0 0 | 21 16 | 0 48 | 7 3 | 13 3 | 15 29 | 15 29 | 14 30 | | n.a. | W27 |
| T 28 | 14 18 | 28 0 | 4 35 | 13 56 | 0 45 | 3 17 | 1 24 | 24 11 | 0 39 | 6 58 | 1 48 | 21 46 | 0 38 | 19 55 | 0 0 | 21 16 | 0 49 | 7 4 | 13 4 | 15 28 | 15 30 | 14 33 | | n.a. | T 28 |
| F 29 | 13 s58 | 27n45 | 3n51 | 13 s 3 | 0 s35 | 3n48 | 1n28 | 24 s15 | 0 s40 | 7n 1 | 1n48 | 21 s47 | 0n38 | 19 s55 | 0n 0 | 21 s17 | 0n49 | 7n 5 | 13n 4 | 15 s28 | 15 s31 | 14 s36 | | n.a. | F 29 |

Julian Day Number = 1006659.5, Delta T = 12h44m51s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'16, Lahiri = -30°56'16 Julian Calendar 1 Feb. 1957 BCE == Greg. Calendar 15 Jan. 1957 BCE

The year -1956 astronomical counting style corresponds to year 1957 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## MARCH 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 29 48 | 24♒25'53 | 15♋36 | 29♒50 | 7♈10 | 21♐27 | 16°R35 | 10♐ 8 | 27♏11 | 7♐57 | 12°R11 | 18♒52 | 18♒41 | 25♎59 | n.a. | S 1 |
| S 2 | 9 33 44 | 25°24'20 | 28°47 | 1♓56 | 8°17 | 22°12 | 16♍28 | 10°11 | 27°12 | 7°58 | 12♎10 | 18°53 | 18°38 | 26° 6 | n.a. | S 2 |
| M 3 | 9 37 41 | 26°22'44 | 11♌43 | 4° 1 | 9°23 | 22°56 | 16°21 | 10°15 | 27°13 | 7°59 | 12° 9 | 18°53 | 18°35 | 26°13 | n.a. | M 3 |
| T 4 | 9 41 37 | 27°21'06 | 24°27 | 6° 6 | 10°29 | 23°41 | 16°14 | 10°18 | 27°14 | 7°59 | 12° 8 | 18°R53 | 18°32 | 26°19 | n.a. | T 4 |
| W 5 | 9 45 34 | 28°19'27 | 6♍58 | 8° 9 | 11°35 | 24°25 | 16° 8 | 10°21 | 27°14 | 8° 0 | 12° 7 | 18°52 | 18°28 | 26°26 | n.a. | W 5 |
| T 6 | 9 49 30 | 29°17'45 | 19°17 | 10°11 | 12°41 | 25°10 | 16° 1 | 10°24 | 27°15 | 8° 1 | 12° 6 | 18°51 | 18°25 | 26°33 | n.a. | T 6 |
| F 7 | 9 53 27 | 0♓16'01 | 1♎26 | 12°11 | 13°47 | 25°54 | 15°54 | 10°27 | 27°16 | 8° 2 | 12° 5 | 18°50 | 18°22 | 26°39 | n.a. | F 7 |
| S 8 | 9 57 24 | 1°14'16 | 13°26 | 14° 9 | 14°52 | 26°39 | 15°46 | 10°30 | 27°16 | 8° 2 | 12° 3 | 18°48 | 18°19 | 26°46 | n.a. | S 8 |
| S 9 | 10 1 20 | 2°12'28 | 25°21 | 16° 4 | 15°57 | 27°23 | 15°39 | 10°33 | 27°17 | 8° 3 | 12° 2 | 18°46 | 18°16 | 26°53 | n.a. | S 9 |
| M10 | 10 5 17 | 3°10'39 | 7♏14 | 17°57 | 17° 2 | 28° 7 | 15°32 | 10°35 | 27°17 | 8° 3 | 12° 1 | 18°45 | 18°12 | 27° 0 | n.a. | M10 |
| T 11 | 10 9 13 | 4° 8'49 | 19° 7 | 19°47 | 18° 6 | 28°52 | 15°25 | 10°38 | 27°17 | 8° 4 | 12° 0 | 18°43 | 18° 9 | 27° 6 | n.a. | T 11 |
| W12 | 10 13 10 | 5° 6'56 | 1♐ 7 | 21°33 | 19°11 | 29°36 | 15°17 | 10°41 | 27°18 | 8° 4 | 11°59 | 18°D43 | 18° 6 | 27°13 | n.a. | W12 |
| T 13 | 10 17 6 | 6° 5'03 | 13°16 | 23°17 | 20°15 | 0♑21 | 15°10 | 10°43 | 27°18 | 8° 5 | 11°58 | 18°43 | 18° 3 | 27°20 | n.a. | T 13 |
| F 14 | 10 21 3 | 7° 3'07 | 25°40 | 24°56 | 21°18 | 1° 5 | 15° 2 | 10°45 | 27°18 | 8° 5 | 11°56 | 18°44 | 18° 0 | 27°26 | n.a. | F 14 |
| S 15 | 10 24 59 | 8° 1'10 | 8♑23 | 26°32 | 22°22 | 1°49 | 14°55 | 10°48 | 27°18 | 8° 6 | 11°55 | 18°45 | 17°57 | 27°33 | n.a. | S 15 |
| S 16 | 10 28 56 | 8°59'12 | 21°28 | 28° 3 | 23°25 | 2°34 | 14°47 | 10°50 | 27°19 | 8° 6 | 11°54 | 18°46 | 17°53 | 27°40 | n.a. | S 16 |
| M17 | 10 32 52 | 9°57'12 | 4♒58 | 29°31 | 24°28 | 3°18 | 14°40 | 10°52 | 27°19 | 8° 7 | 11°52 | 18°48 | 17°50 | 27°47 | n.a. | M17 |
| T 18 | 10 36 49 | 10°55'10 | 18°53 | 0♈55 | 25°31 | 4° 2 | 14°32 | 10°54 | 27°R19 | 8° 7 | 11°51 | 18°R48 | 17°47 | 27°53 | n.a. | T 18 |
| W19 | 10 40 46 | 11°53'06 | 3♓11 | 2°14 | 26°33 | 4°47 | 14°25 | 10°56 | 27°19 | 8° 7 | 11°50 | 18°47 | 17°44 | 28° 0 | n.a. | W19 |
| T 20 | 10 44 42 | 12°51'01 | 17°47 | 3°29 | 27°35 | 5°31 | 14°17 | 10°58 | 27°19 | 8° 7 | 11°48 | 18°46 | 17°41 | 28° 7 | n.a. | T 20 |
| F 21 | 10 48 39 | 13°48'54 | 2♈36 | 4°39 | 28°37 | 6°15 | 14° 9 | 10°59 | 27°19 | 8° 8 | 11°47 | 18°43 | 17°38 | 28°13 | n.a. | F 21 |
| S 22 | 10 52 35 | 14°46'45 | 17°30 | 5°45 | 29°38 | 6°59 | 14° 2 | 11° 1 | 27°18 | 8° 8 | 11°46 | 18°40 | 17°34 | 28°20 | n.a. | S 22 |
| S 23 | 10 56 32 | 15°44'35 | 2♉20 | 6°47 | 0♉40 | 7°43 | 13°54 | 11° 3 | 27°18 | 8° 8 | 11°44 | 18°36 | 17°31 | 28°27 | n.a. | S 23 |
| M24 | 11 0 28 | 16°42'22 | 16°59 | 7°44 | 1°40 | 8°27 | 13°46 | 11° 4 | 27°18 | 8° 8 | 11°43 | 18°33 | 17°28 | 28°34 | n.a. | M24 |
| T 25 | 11 4 25 | 17°40'08 | 1♊22 | 8°36 | 2°41 | 9°11 | 13°39 | 11° 5 | 27°18 | 8° 8 | 11°41 | 18°31 | 17°25 | 28°40 | n.a. | T 25 |
| W26 | 11 8 21 | 18°37'52 | 15°26 | 9°23 | 3°41 | 9°55 | 13°31 | 11° 7 | 27°17 | 8° 8 | 11°40 | 18°D30 | 17°22 | 28°47 | n.a. | W26 |
| T 27 | 11 12 18 | 19°35'34 | 29°10 | 10° 6 | 4°40 | 10°39 | 13°24 | 11° 8 | 27°17 | 8°R 8 | 11°38 | 18°30 | 17°18 | 28°54 | n.a. | T 27 |
| F 28 | 11 16 15 | 20°33'14 | 12♋34 | 10°44 | 5°40 | 11°23 | 13°16 | 11° 9 | 27°16 | 8° 8 | 11°37 | 18°31 | 17°15 | 29° 0 | n.a. | F 28 |
| S 29 | 11 20 11 | 21°30'53 | 25°40 | 11°16 | 6°38 | 12° 7 | 13° 8 | 11°10 | 27°16 | 8° 8 | 11°35 | 18°33 | 17°12 | 29° 7 | n.a. | S 29 |
| S 30 | 11 24 8 | 22°28'29 | 8♌30 | 11°44 | 7°37 | 12°51 | 13° 1 | 11°10 | 27°15 | 8° 8 | 11°34 | 18°34 | 17° 9 | 29°14 | n.a. | S 30 |
| M31 | 11 28 4 | 23♓26'04 | 21♌ 6 | 12♈ 7 | 8♉35 | 13♑35 | 12♍54 | 11♐11 | 27♏15 | 8♐ 8 | 11♎32 | 18°R34 | 17♒ 6 | 29♎21 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 13s39 | 25n52 | 2n54 | 12s 9 | 0s25 | 4n19 | 1n32 | 24s19 | 0s41 | 7n 4 | 1n49 | 21s47 | 0n38 | 19s55 | 0n 0 | 21s17 | 0n49 | 7n 5 | 13n 4 | 15s28 | 15s32 | 14s38 | | n.a. |
| S 2 | 13 19 | 22 36 | 1 49 | 11 13 | 0 14 | 4 49 | 1 36 | 24 23 | 0 42 | 7 7 | 1 49 | 21 48 | 0 38 | 19 56 | 0 0 | 21 17 | 0 49 | 7 6 | 13 4 | 15 28 | 15 33 | 14 41 | | n.a. |
| M 3 | 12 58 | 18 15 | 0 40 | 10 17 | 0 4 | 5 20 | 1 41 | 24 27 | 0 43 | 7 9 | 1 49 | 21 48 | 0 38 | 19 56 | 0 0 | 21 17 | 0 49 | 7 6 | 13 5 | 15 28 | 15 34 | 14 44 | | n.a. |
| T 4 | 12 38 | 13 9 | 0s31 | 9 21 | 0n 7 | 5 50 | 1 45 | 24 30 | 0 44 | 7 12 | 1 49 | 21 49 | 0 38 | 19 56 | 0 0 | 21 17 | 0 49 | 7 7 | 13 5 | 15 28 | 15 35 | 14 47 | | n.a. |
| W 5 | 12 18 | 7 37 | 1 38 | 8 24 | 0 19 | 6 20 | 1 49 | 24 34 | 0 46 | 7 15 | 1 49 | 21 49 | 0 38 | 19 56 | 0s 0 | 21 17 | 0 49 | 7 8 | 13 5 | 15 28 | 15 36 | 14 50 | | n.a. |
| T 6 | 11 57 | 1 52 | 2 40 | 7 27 | 0 30 | 6 50 | 1 53 | 24 37 | 0 47 | 7 18 | 1 49 | 21 50 | 0 38 | 19 56 | 0 0 | 21 17 | 0 49 | 7 8 | 13 5 | 15 28 | 15 37 | 14 52 | | n.a. |
| F 7 | 11 36 | 3s51 | 3 34 | 6 30 | 0 41 | 7 20 | 1 57 | 24 39 | 0 48 | 7 21 | 1 49 | 21 50 | 0 38 | 19 57 | 0 0 | 21 17 | 0 49 | 7 9 | 13 6 | 15 29 | 15 38 | 14 55 | | n.a. |
| S 8 | 11 15 | 9 21 | 4 18 | 5 33 | 0 53 | 7 49 | 2 1 | 24 42 | 0 49 | 7 24 | 1 49 | 21 51 | 0 38 | 19 57 | 0 0 | 21 17 | 0 49 | 7 10 | 13 6 | 15 29 | 15 39 | 14 58 | | n.a. |
| S 9 | 10 54 | 14 29 | 4 50 | 4 37 | 1 4 | 8 19 | 2 5 | 24 44 | 0 50 | 7 26 | 1 49 | 21 51 | 0 38 | 19 57 | 0 0 | 21 17 | 0 49 | 7 10 | 13 6 | 15 30 | 15 40 | 15 1 | | n.a. |
| M10 | 10 33 | 19 3 | 5 9 | 3 43 | 1 15 | 8 48 | 2 9 | 24 46 | 0 51 | 7 29 | 1 49 | 21 52 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 11 | 13 6 | 15 31 | 15 41 | 15 4 | | n.a. |
| T 11 | 10 11 | 22 54 | 5 16 | 2 49 | 1 26 | 9 17 | 2 13 | 24 48 | 0 53 | 7 32 | 1 49 | 21 52 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 12 | 13 6 | 15 31 | 15 42 | 15 7 | | n.a. |
| W12 | 9 49 | 25 49 | 5 8 | 1 57 | 1 36 | 9 45 | 2 17 | 24 49 | 0 54 | 7 35 | 1 50 | 21 52 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 12 | 13 7 | 15 31 | 15 43 | 15 9 | | n.a. |
| T 13 | 9 28 | 27 36 | 4 47 | 1 6 | 1 46 | 10 14 | 2 21 | 24 50 | 0 55 | 7 38 | 1 50 | 21 53 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 13 | 13 7 | 15 31 | 15 44 | 15 12 | | n.a. |
| F 14 | 9 6 | 28 3 | 4 12 | 0 17 | 1 56 | 10 42 | 2 24 | 24 51 | 0 56 | 7 41 | 1 50 | 21 53 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 13 | 13 7 | 15 31 | 15 45 | 15 15 | | n.a. |
| S 15 | 8 44 | 27 3 | 3 25 | 0n30 | 2 5 | 11 10 | 2 28 | 24 52 | 0 57 | 7 44 | 1 50 | 21 54 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 14 | 13 7 | 15 30 | 15 46 | 15 18 | | n.a. |
| S 16 | 8 22 | 24 33 | 2 25 | 1 15 | 2 13 | 11 37 | 2 32 | 24 52 | 0 59 | 7 47 | 1 50 | 21 54 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 15 | 13 7 | 15 30 | 15 47 | 15 20 | | n.a. |
| M17 | 7 59 | 20 38 | 1 15 | 1 57 | 2 21 | 12 4 | 2 36 | 24 53 | 1 0 | 7 50 | 1 50 | 21 54 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 15 | 13 8 | 15 30 | 15 48 | 15 23 | | n.a. |
| T 18 | 7 37 | 15 28 | 0n 0 | 2 38 | 2 28 | 12 31 | 2 39 | 24 52 | 1 1 | 7 53 | 1 50 | 21 54 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 16 | 13 8 | 15 29 | 15 49 | 15 26 | | n.a. |
| W19 | 7 15 | 9 20 | 1 18 | 3 16 | 2 35 | 12 58 | 2 43 | 24 52 | 1 2 | 7 56 | 1 50 | 21 55 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 17 | 13 8 | 15 30 | 15 50 | 15 29 | | n.a. |
| T 20 | 6 52 | 2 35 | 2 33 | 3 51 | 2 40 | 13 24 | 2 46 | 24 52 | 1 3 | 7 59 | 1 50 | 21 55 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 17 | 13 8 | 15 30 | 15 51 | 15 32 | | n.a. |
| F 21 | 6 29 | 4n22 | 3 38 | 4 24 | 2 45 | 13 50 | 2 50 | 24 51 | 1 5 | 8 2 | 1 50 | 21 55 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 18 | 13 8 | 15 31 | 15 52 | 15 34 | | n.a. |
| S 22 | 6 7 | 11 7 | 4 28 | 4 55 | 2 49 | 14 16 | 2 53 | 24 50 | 1 6 | 8 5 | 1 50 | 21 56 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 19 | 13 8 | 15 32 | 15 53 | 15 37 | | n.a. |
| S 23 | 5 44 | 17 13 | 5 1 | 5 22 | 2 52 | 14 41 | 2 57 | 24 48 | 1 7 | 8 8 | 1 50 | 21 56 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 19 | 13 8 | 15 33 | 15 54 | 15 40 | | n.a. |
| M24 | 5 21 | 22 14 | 5 13 | 5 47 | 2 55 | 15 6 | 3 0 | 24 47 | 1 8 | 8 11 | 1 50 | 21 56 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 20 | 13 9 | 15 34 | 15 55 | 15 43 | | n.a. |
| T 25 | 4 58 | 25 49 | 5 5 | 6 9 | 2 56 | 15 30 | 3 3 | 24 45 | 1 10 | 8 14 | 1 49 | 21 56 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 21 | 13 9 | 15 35 | 15 56 | 15 45 | | n.a. |
| W26 | 4 35 | 27 44 | 4 39 | 6 29 | 2 56 | 15 54 | 3 6 | 24 43 | 1 11 | 8 17 | 1 49 | 21 56 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 21 | 13 9 | 15 35 | 15 57 | 15 48 | | n.a. |
| T 27 | 4 12 | 27 53 | 3 58 | 6 45 | 2 55 | 16 18 | 3 9 | 24 41 | 1 12 | 8 20 | 1 49 | 21 57 | 0 38 | 19 57 | 0 0 | 21 18 | 0 49 | 7 22 | 13 9 | 15 35 | 15 58 | 15 51 | | n.a. |
| F 28 | 3 49 | 26 22 | 3 4 | 6 59 | 2 54 | 16 41 | 3 12 | 24 38 | 1 13 | 8 23 | 1 49 | 21 57 | 0 37 | 19 57 | 0 0 | 21 18 | 0 49 | 7 23 | 13 9 | 15 35 | 15 59 | 15 53 | | n.a. |
| S 29 | 3 26 | 23 26 | 2 2 | 7 9 | 2 51 | 17 4 | 3 15 | 24 36 | 1 14 | 8 26 | 1 49 | 21 57 | 0 37 | 19 57 | 0 0 | 21 18 | 0 49 | 7 23 | 13 9 | 15 34 | 15 59 | 15 56 | | n.a. |
| S 30 | 3 3 | 19 23 | 0 55 | 7 17 | 2 47 | 17 26 | 3 18 | 24 33 | 1 16 | 8 28 | 1 49 | 21 57 | 0 37 | 19 57 | 0 0 | 21 18 | 0 49 | 7 24 | 13 9 | 15 34 | 16 0 | 15 59 | | n.a. |
| M31 | 2s39 | 14n32 | 0s14 | 7n22 | 2n42 | 17n48 | 3n21 | 24s29 | 1s17 | 8n31 | 1n49 | 21s57 | 0n37 | 19s57 | 0s 0 | 21s18 | 0n49 | 7n25 | 13n 9 | 15s34 | 16s 1 | 16s 2 | | n.a. |

Julian Day Number = 1006688.5, Delta T = 12h44m49s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'13, Lahiri = -30°56'12 Julian Calendar 1 March 1957 BCE == Greg. Calendar 13 Feb. 1957 BCE

The year -1956 astronomical counting style corresponds to year 1957 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## APRIL 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 32 1 | 24♓23'37 | 3♍32 | 12♈25 | 9♉32 | 14♊19 | 12°R46 | 11♐12 | 27°R14 | 8°R 8 | 11°R31 | 18°R33 | 17♒ 3 | 29♎27 | n.a. | T 1 |
| W 2 | 11 35 57 | 25°21'09 | 15°48 | 12°38 | 10°29 | 15° 2 | 12♍39 | 11°12 | 27♏14 | 8♐ 8 | 11♎29 | 18♒31 | 16°59 | 29°34 | n.a. | W 2 |
| T 3 | 11 39 54 | 26°18'40 | 27°55 | 12°46 | 11°26 | 15°46 | 12°32 | 11°13 | 27°13 | 8° 7 | 11°28 | 18°26 | 16°56 | 29°41 | n.a. | T 3 |
| F 4 | 11 43 50 | 27°16'08 | 9♎57 | 12°R50 | 12°22 | 16°30 | 12°24 | 11°13 | 27°12 | 8° 7 | 11°26 | 18°20 | 16°53 | 29°47 | n.a. | F 4 |
| S 5 | 11 47 47 | 28°13'36 | 21°53 | 12°48 | 13°18 | 17°13 | 12°17 | 11°13 | 27°11 | 8° 7 | 11°25 | 18°13 | 16°50 | 29°54 | n.a. | S 5 |
| S 6 | 11 51 43 | 29°11'03 | 3♏46 | 12°42 | 14°13 | 17°57 | 12°10 | 11°14 | 27°10 | 8° 7 | 11°23 | 18° 5 | 16°47 | 0♏ 1 | n.a. | S 6 |
| M 7 | 11 55 40 | 0♈ 8'28 | 15°38 | 12°31 | 15° 7 | 18°40 | 12° 3 | 11°R14 | 27° 9 | 8° 6 | 11°21 | 17°58 | 16°44 | 0° 8 | n.a. | M 7 |
| T 8 | 11 59 37 | 1° 5'53 | 27°32 | 12°17 | 16° 1 | 19°24 | 11°56 | 11°14 | 27° 8 | 8° 6 | 11°20 | 17°52 | 16°40 | 0°14 | n.a. | T 8 |
| W 9 | 12 3 33 | 2° 3'16 | 9♐31 | 11°58 | 16°55 | 20° 7 | 11°50 | 11°13 | 27° 7 | 8° 6 | 11°18 | 17°48 | 16°37 | 0°21 | n.a. | W 9 |
| T 10 | 12 7 30 | 3° 0'39 | 21°39 | 11°36 | 17°48 | 20°51 | 11°43 | 11°13 | 27° 6 | 8° 5 | 11°17 | 17°45 | 16°34 | 0°28 | n.a. | T 10 |
| F 11 | 12 11 26 | 3°58'01 | 4♑ 0 | 11°10 | 18°40 | 21°34 | 11°36 | 11°13 | 27° 5 | 8° 5 | 11°15 | 17°D45 | 16°31 | 0°35 | n.a. | F 11 |
| S 12 | 12 15 23 | 4°55'21 | 16°39 | 10°42 | 19°31 | 22°17 | 11°30 | 11°12 | 27° 4 | 8° 4 | 11°13 | 17°45 | 16°28 | 0°41 | n.a. | S 12 |
| S 13 | 12 19 19 | 5°52'42 | 29°40 | 10°12 | 20°22 | 23° 0 | 11°23 | 11°12 | 27° 3 | 8° 4 | 11°12 | 17°46 | 16°24 | 0°48 | n.a. | S 13 |
| M14 | 12 23 16 | 6°50'01 | 13♒ 7 | 9°40 | 21°12 | 23°43 | 11°17 | 11°11 | 27° 2 | 8° 3 | 11°10 | 17°R47 | 16°21 | 0°55 | n.a. | M14 |
| T 15 | 12 27 13 | 7°47'19 | 27° 2 | 9° 7 | 22° 2 | 24°27 | 11°11 | 11°11 | 27° 0 | 8° 3 | 11° 8 | 17°47 | 16°18 | 1° 1 | n.a. | T 15 |
| W16 | 12 31 9 | 8°44'37 | 11♓24 | 8°33 | 22°51 | 25°10 | 11° 5 | 11°10 | 26°59 | 8° 2 | 11° 7 | 17°45 | 16°15 | 1° 8 | n.a. | W16 |
| T 17 | 12 35 6 | 9°41'54 | 26°10 | 7°59 | 23°39 | 25°53 | 10°59 | 11° 9 | 26°58 | 8° 1 | 11° 5 | 17°41 | 16°12 | 1°15 | n.a. | T 17 |
| F 18 | 12 39 2 | 10°39'09 | 11♈14 | 7°26 | 24°26 | 26°35 | 10°53 | 11° 8 | 26°56 | 8° 1 | 11° 4 | 17°34 | 16° 9 | 1°22 | n.a. | F 18 |
| S 19 | 12 42 59 | 11°36'24 | 26°27 | 6°54 | 25°13 | 27°18 | 10°47 | 11° 7 | 26°55 | 8° 0 | 11° 2 | 17°27 | 16° 5 | 1°28 | n.a. | S 19 |
| S 20 | 12 46 55 | 12°33'39 | 11♉37 | 6°24 | 25°58 | 28° 1 | 10°41 | 11° 6 | 26°54 | 7°59 | 11° 0 | 17°19 | 16° 2 | 1°35 | n.a. | S 20 |
| M21 | 12 50 52 | 13°30'52 | 26°35 | 5°56 | 26°43 | 28°44 | 10°36 | 11° 4 | 26°52 | 7°58 | 10°59 | 17°11 | 15°59 | 1°42 | n.a. | M21 |
| T 22 | 12 54 48 | 14°28'04 | 11♊13 | 5°30 | 27°27 | 29°26 | 10°31 | 11° 3 | 26°51 | 7°58 | 10°57 | 17° 5 | 15°56 | 1°48 | n.a. | T 22 |
| W23 | 12 58 45 | 15°25'15 | 25°27 | 5° 8 | 28°10 | 0♒ 9 | 10°26 | 11° 1 | 26°49 | 7°57 | 10°55 | 17° 2 | 15°53 | 1°55 | n.a. | W23 |
| T 24 | 13 2 42 | 16°22'25 | 9♋13 | 4°49 | 28°52 | 0°51 | 10°21 | 11° 0 | 26°47 | 7°56 | 10°54 | 17° 0 | 15°49 | 2° 2 | n.a. | T 24 |
| F 25 | 13 6 38 | 17°19'35 | 22°34 | 4°34 | 29°33 | 1°33 | 10°16 | 10°58 | 26°46 | 7°55 | 10°52 | 17°D 0 | 15°46 | 2° 9 | n.a. | F 25 |
| S 26 | 13 10 35 | 18°16'43 | 5♌33 | 4°22 | 0♊12 | 2°16 | 10°11 | 10°57 | 26°44 | 7°54 | 10°50 | 17° 0 | 15°43 | 2°15 | n.a. | S 26 |
| S 27 | 13 14 31 | 19°13'50 | 18°12 | 4°15 | 0°51 | 2°58 | 10° 6 | 10°55 | 26°42 | 7°53 | 10°49 | 17°R 1 | 15°40 | 2°22 | n.a. | S 27 |
| M28 | 13 18 28 | 20°10'56 | 0♍37 | 4°D12 | 1°29 | 3°40 | 10° 2 | 10°53 | 26°41 | 7°52 | 10°47 | 17° 0 | 15°37 | 2°29 | n.a. | M28 |
| T 29 | 13 22 24 | 21° 8'02 | 12°50 | 4°14 | 2° 5 | 4°22 | 9°58 | 10°51 | 26°39 | 7°52 | 10°46 | 16°57 | 15°34 | 2°35 | n.a. | T 29 |
| W30 | 13 26 21 | 22♈ 5'07 | 24♍54 | 4♈20 | 2♊40 | 5♒ 4 | 9♍54 | 10♐49 | 26♏37 | 7♐51 | 10♎44 | 16♒51 | 15♒30 | 2♏42 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s16 | 9n10 | 1s21 | 7n23 | 2n36 | 18n10 | 3n23 | 24s26 | 1s18 | 8n34 | 1n49 | 21s57 | 0n37 | 19s56 | 0s 0 | 21s18 | 0n49 | 7n25 | 13n 9 | 15s34 | 16s 2 | 16s 4 | | n.a. |
| W 2 | 1 53 | 3 32 | 2 23 | 7 22 | 2 29 | 18 31 | 3 26 | 24 22 | 1 19 | 8 37 | 1 49 | 21 57 | 0 37 | 19 56 | 0 0 | 21 18 | 0 49 | 7 26 | 13 9 | 15 35 | 16 3 | 16 7 | | n.a. |
| T 3 | 1 30 | 2s10 | 3 17 | 7 18 | 2 21 | 18 51 | 3 28 | 24 18 | 1 21 | 8 40 | 1 49 | 21 57 | 0 37 | 19 56 | 0 0 | 21 18 | 0 49 | 7 27 | 13 9 | 15 36 | 16 4 | 16 10 | | n.a. |
| F 4 | 1 6 | 7 43 | 4 3 | 7 10 | 2 11 | 19 11 | 3 30 | 24 14 | 1 22 | 8 42 | 1 48 | 21 58 | 0 37 | 19 56 | 0 0 | 21 18 | 0 49 | 7 27 | 13 9 | 15 38 | 16 5 | 16 12 | | n.a. |
| S 5 | 0 43 | 12 57 | 4 37 | 7 0 | 2 1 | 19 31 | 3 33 | 24 10 | 1 23 | 8 45 | 1 48 | 21 58 | 0 37 | 19 56 | 0 0 | 21 18 | 0 49 | 7 28 | 13 9 | 15 41 | 16 6 | 16 15 | | n.a. |
| S 6 | 0 20 | 17 42 | 4 59 | 6 47 | 1 49 | 19 50 | 3 35 | 24 5 | 1 24 | 8 48 | 1 48 | 21 58 | 0 37 | 19 56 | 0 0 | 21 18 | 0 49 | 7 29 | 13 9 | 15 43 | 16 7 | 16 18 | | n.a. |
| M 7 | 0n 3 | 21 45 | 5 8 | 6 32 | 1 37 | 20 8 | 3 37 | 24 0 | 1 26 | 8 50 | 1 48 | 21 58 | 0 37 | 19 55 | 0 0 | 21 18 | 0 49 | 7 29 | 13 9 | 15 45 | 16 8 | 16 20 | | n.a. |
| T 8 | 0 27 | 24 56 | 5 4 | 6 13 | 1 24 | 20 26 | 3 38 | 23 55 | 1 27 | 8 53 | 1 48 | 21 58 | 0 37 | 19 55 | 0 0 | 21 18 | 0 49 | 7 30 | 13 9 | 15 47 | 16 9 | 16 23 | | n.a. |
| W 9 | 0 50 | 27 3 | 4 47 | 5 53 | 1 9 | 20 44 | 3 40 | 23 50 | 1 28 | 8 55 | 1 48 | 21 58 | 0 37 | 19 55 | 0 0 | 21 17 | 0 49 | 7 31 | 13 9 | 15 48 | 16 10 | 16 26 | | n.a. |
| T 10 | 1 13 | 27 55 | 4 17 | 5 30 | 0 54 | 21 1 | 3 42 | 23 44 | 1 29 | 8 58 | 1 48 | 21 58 | 0 37 | 19 55 | 0 0 | 21 17 | 0 49 | 7 31 | 13 9 | 15 49 | 16 11 | 16 29 | | n.a. |
| F 11 | 1 36 | 27 25 | 3 34 | 5 6 | 0 39 | 21 17 | 3 43 | 23 39 | 1 31 | 9 0 | 1 47 | 21 58 | 0 37 | 19 54 | 0 0 | 21 17 | 0 49 | 7 32 | 13 9 | 15 49 | 16 12 | 16 31 | | n.a. |
| S 12 | 2 0 | 25 30 | 2 40 | 4 40 | 0 23 | 21 33 | 3 44 | 23 33 | 1 32 | 9 2 | 1 47 | 21 58 | 0 37 | 19 54 | 0 0 | 21 17 | 0 49 | 7 32 | 13 9 | 15 49 | 16 13 | 16 34 | | n.a. |
| S 13 | 2 23 | 22 12 | 1 36 | 4 12 | 0 6 | 21 49 | 3 45 | 23 27 | 1 33 | 9 5 | 1 47 | 21 58 | 0 37 | 19 54 | 0 0 | 21 17 | 0 49 | 7 33 | 13 9 | 15 49 | 16 14 | 16 36 | | n.a. |
| M14 | 2 46 | 17 37 | 0 25 | 3 44 | 0s11 | 22 3 | 3 46 | 23 20 | 1 34 | 9 7 | 1 47 | 21 58 | 0 37 | 19 54 | 0 0 | 21 17 | 0 49 | 7 34 | 13 9 | 15 49 | 16 15 | 16 39 | | n.a. |
| T 15 | 3 9 | 11 58 | 0n50 | 3 15 | 0 28 | 22 17 | 3 47 | 23 14 | 1 36 | 9 9 | 1 47 | 21 57 | 0 37 | 19 53 | 0 0 | 21 17 | 0 49 | 7 34 | 13 9 | 15 49 | 16 16 | 16 42 | | n.a. |
| W16 | 3 32 | 5 32 | 2 3 | 2 46 | 0 45 | 22 31 | 3 48 | 23 7 | 1 37 | 9 12 | 1 46 | 21 57 | 0 37 | 19 53 | 0 0 | 21 17 | 0 49 | 7 35 | 13 9 | 15 49 | 16 17 | 16 44 | | n.a. |
| T 17 | 3 55 | 1n22 | 3 11 | 2 17 | 1 1 | 22 44 | 3 48 | 23 0 | 1 38 | 9 14 | 1 46 | 21 57 | 0 37 | 19 53 | 0 0 | 21 17 | 0 49 | 7 35 | 13 9 | 15 51 | 16 18 | 16 47 | | n.a. |
| F 18 | 4 18 | 8 18 | 4 7 | 1 49 | 1 18 | 22 57 | 3 48 | 22 53 | 1 39 | 9 16 | 1 46 | 21 57 | 0 37 | 19 52 | 0 0 | 21 17 | 0 49 | 7 36 | 13 9 | 15 53 | 16 19 | 16 50 | | n.a. |
| S 19 | 4 41 | 14 49 | 4 45 | 1 22 | 1 34 | 23 8 | 3 48 | 22 46 | 1 41 | 9 18 | 1 46 | 21 57 | 0 37 | 19 52 | 0 0 | 21 16 | 0 49 | 7 36 | 13 9 | 15 55 | 16 20 | 16 52 | | n.a. |
| S 20 | 5 4 | 20 25 | 5 4 | 0 56 | 1 49 | 23 20 | 3 48 | 22 38 | 1 42 | 9 20 | 1 46 | 21 57 | 0 37 | 19 52 | 0 0 | 21 16 | 0 49 | 7 37 | 13 9 | 15 57 | 16 21 | 16 55 | | n.a. |
| M21 | 5 26 | 24 39 | 5 1 | 0 31 | 2 4 | 23 30 | 3 48 | 22 31 | 1 43 | 9 22 | 1 45 | 21 57 | 0 37 | 19 51 | 0 0 | 21 16 | 0 49 | 7 38 | 13 9 | 16 0 | 16 22 | 16 58 | | n.a. |
| T 22 | 5 49 | 27 11 | 4 39 | 0 8 | 2 17 | 23 40 | 3 47 | 22 23 | 1 44 | 9 23 | 1 45 | 21 57 | 0 37 | 19 51 | 0 0 | 21 16 | 0 49 | 7 38 | 13 9 | 16 2 | 16 23 | 17 0 | | n.a. |
| W23 | 6 11 | 27 50 | 4 0 | 0s12 | 2 30 | 23 50 | 3 47 | 22 15 | 1 46 | 9 25 | 1 45 | 21 56 | 0 37 | 19 51 | 0 0 | 21 16 | 0 49 | 7 39 | 13 9 | 16 3 | 16 24 | 17 3 | | n.a. |
| T 24 | 6 34 | 26 43 | 3 8 | 0 31 | 2 42 | 23 58 | 3 46 | 22 7 | 1 47 | 9 27 | 1 45 | 21 56 | 0 37 | 19 50 | 0 0 | 21 16 | 0 49 | 7 39 | 13 8 | 16 3 | 16 25 | 17 5 | | n.a. |
| F 25 | 6 56 | 24 4 | 2 7 | 0 47 | 2 52 | 24 7 | 3 45 | 21 58 | 1 48 | 9 29 | 1 44 | 21 56 | 0 37 | 19 50 | 0 1 | 21 16 | 0 49 | 7 40 | 13 8 | 16 3 | 16 26 | 17 8 | | n.a. |
| S 26 | 7 18 | 20 15 | 1 1 | 1 0 | 3 2 | 24 14 | 3 43 | 21 50 | 1 49 | 9 30 | 1 44 | 21 56 | 0 37 | 19 50 | 0 1 | 21 15 | 0 49 | 7 40 | 13 8 | 16 3 | 16 27 | 17 11 | | n.a. |
| S 27 | 7 40 | 15 35 | 0s 6 | 1 11 | 3 10 | 24 21 | 3 42 | 21 41 | 1 51 | 9 32 | 1 44 | 21 56 | 0 37 | 19 49 | 0 1 | 21 15 | 0 49 | 7 41 | 13 8 | 16 3 | 16 28 | 17 13 | | n.a. |
| M28 | 8 2 | 10 22 | 1 12 | 1 18 | 3 17 | 24 27 | 3 40 | 21 32 | 1 52 | 9 33 | 1 44 | 21 55 | 0 37 | 19 49 | 0 1 | 21 15 | 0 49 | 7 41 | 13 8 | 16 3 | 16 29 | 17 16 | | n.a. |
| T 29 | 8 24 | 4 50 | 2 13 | 1 23 | 3 24 | 24 33 | 3 37 | 21 23 | 1 53 | 9 35 | 1 43 | 21 55 | 0 37 | 19 48 | 0 1 | 21 15 | 0 49 | 7 42 | 13 8 | 16 4 | 16 30 | 17 18 | | n.a. |
| W30 | 8n46 | 0s47 | 3s 7 | 1s25 | 3s29 | 24n37 | 3n35 | 21s14 | 1s54 | 9n36 | 1n43 | 21s55 | 0n37 | 19s48 | 0s 1 | 21s15 | 0n49 | 7n42 | 13n 8 | 16s 6 | 16s31 | 17s21 | | n.a. |

Julian Day Number = 1006719.5, Delta T = 12h44m47s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'08, Lahiri = -30°56'08 Julian Calendar 1 Apr. 1957 BCE == Greg. Calendar 15 March 1957 BCE


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## MAY 1957 BCE (-1956) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 30 17 | 23♈ 2'11 | 6♎53 | 4♈31 | 3♊14 | 5♒45 | 9°R50 | 10°R46 | 26°R35 | 7°R50 | 10°R42 | 16°R43 | 15♒27 | 2♏49 | n.a. | T 1 |
| F 2 | 13 34 14 | 23°59'14 | 18°48 | 4°47 | 3°46 | 6°27 | 9♍46 | 10♐44 | 26♏33 | 7♐48 | 10♎41 | 16♒33 | 15°24 | 2°56 | n.a. | F 2 |
| S 3 | 13 38 11 | 24°56'18 | 0♏41 | 5° 7 | 4°17 | 7° 9 | 9°42 | 10°42 | 26°31 | 7°47 | 10°39 | 16°21 | 15°21 | 3° 2 | n.a. | S 3 |
| S 4 | 13 42 7 | 25°53'21 | 12°34 | 5°31 | 4°47 | 7°50 | 9°39 | 10°39 | 26°29 | 7°46 | 10°38 | 16° 8 | 15°18 | 3° 9 | n.a. | S 4 |
| M 5 | 13 46 4 | 26°50'23 | 24°27 | 6° 0 | 5°15 | 8°32 | 9°36 | 10°37 | 26°27 | 7°45 | 10°36 | 15°56 | 15°15 | 3°16 | n.a. | M 5 |
| T 6 | 13 50 0 | 27°47'26 | 6♐24 | 6°34 | 5°42 | 9°13 | 9°32 | 10°34 | 26°25 | 7°44 | 10°35 | 15°46 | 15°11 | 3°23 | n.a. | T 6 |
| W 7 | 13 53 57 | 28°44'28 | 18°25 | 7°12 | 6° 7 | 9°54 | 9°29 | 10°32 | 26°23 | 7°43 | 10°33 | 15°37 | 15° 8 | 3°29 | n.a. | W 7 |
| T 8 | 13 57 53 | 29°41'31 | 0♑35 | 7°54 | 6°30 | 10°36 | 9°27 | 10°29 | 26°21 | 7°42 | 10°31 | 15°32 | 15° 5 | 3°36 | n.a. | T 8 |
| F 9 | 14 1 50 | 0♑38'33 | 12°56 | 8°40 | 6°52 | 11°17 | 9°24 | 10°26 | 26°19 | 7°41 | 10°30 | 15°28 | 15° 2 | 3°43 | n.a. | F 9 |
| S 10 | 14 5 47 | 1°35'35 | 25°33 | 9°31 | 7°12 | 11°58 | 9°22 | 10°23 | 26°17 | 7°39 | 10°28 | 15°27 | 14°59 | 3°49 | n.a. | S 10 |
| S 11 | 14 9 43 | 2°32'38 | 8♒29 | 10°26 | 7°30 | 12°38 | 9°19 | 10°20 | 26°15 | 7°38 | 10°27 | 15°27 | 14°55 | 3°56 | n.a. | S 11 |
| M12 | 14 13 40 | 3°29'41 | 21°50 | 11°24 | 7°46 | 13°19 | 9°17 | 10°17 | 26°13 | 7°37 | 10°25 | 15°27 | 14°52 | 4° 3 | n.a. | M12 |
| T 13 | 14 17 36 | 4°26'43 | 5♓38 | 12°27 | 8° 0 | 14° 0 | 9°15 | 10°14 | 26°11 | 7°36 | 10°24 | 15°26 | 14°49 | 4°10 | n.a. | T 13 |
| W14 | 14 21 33 | 5°23'46 | 19°54 | 13°34 | 8°12 | 14°40 | 9°14 | 10°11 | 26° 9 | 7°34 | 10°23 | 15°23 | 14°46 | 4°16 | n.a. | W14 |
| T 15 | 14 25 29 | 6°20'50 | 4♈37 | 14°44 | 8°22 | 15°20 | 9°12 | 10° 8 | 26° 6 | 7°33 | 10°21 | 15°17 | 14°43 | 4°23 | n.a. | T 15 |
| F 16 | 14 29 26 | 7°17'53 | 19°41 | 15°59 | 8°30 | 16° 1 | 9°11 | 10° 4 | 26° 4 | 7°32 | 10°20 | 15° 9 | 14°40 | 4°30 | n.a. | F 16 |
| S 17 | 14 33 22 | 8°14'57 | 4♉57 | 17°17 | 8°36 | 16°41 | 9°10 | 10° 1 | 26° 2 | 7°30 | 10°18 | 14°59 | 14°36 | 4°36 | n.a. | S 17 |
| S 18 | 14 37 19 | 9°12'00 | 20°15 | 18°39 | 8°40 | 17°21 | 9° 9 | 9°57 | 26° 0 | 7°29 | 10°17 | 14°48 | 14°33 | 4°43 | n.a. | S 18 |
| M19 | 14 41 16 | 10° 9'04 | 5♊24 | 20° 4 | 8°R41 | 18° 0 | 9° 8 | 9°54 | 25°57 | 7°28 | 10°16 | 14°38 | 14°30 | 4°50 | n.a. | M19 |
| T 20 | 14 45 12 | 11° 6'08 | 20°13 | 21°34 | 8°40 | 18°40 | 9° 7 | 9°50 | 25°55 | 7°26 | 10°14 | 14°29 | 14°27 | 4°57 | n.a. | T 20 |
| W21 | 14 49 9 | 12° 3'12 | 4♋36 | 23° 6 | 8°37 | 19°20 | 9° 7 | 9°47 | 25°53 | 7°25 | 10°13 | 14°24 | 14°24 | 5° 3 | n.a. | W21 |
| T 22 | 14 53 5 | 13° 0'16 | 18°30 | 24°42 | 8°32 | 19°59 | 9° 7 | 9°43 | 25°50 | 7°23 | 10°12 | 14°20 | 14°21 | 5°10 | n.a. | T 22 |
| F 23 | 14 57 2 | 13°57'20 | 1♌55 | 26°22 | 8°24 | 20°38 | 9°D 6 | 9°39 | 25°48 | 7°22 | 10°10 | 14°19 | 14°17 | 5°17 | n.a. | F 23 |
| S 24 | 15 0 58 | 14°54'24 | 14°54 | 28° 5 | 8°13 | 21°17 | 9° 7 | 9°36 | 25°46 | 7°20 | 10° 9 | 14°19 | 14°14 | 5°24 | n.a. | S 24 |
| S 25 | 15 4 55 | 15°51'28 | 27°32 | 29°51 | 8° 1 | 21°56 | 9° 7 | 9°32 | 25°43 | 7°19 | 10° 8 | 14°19 | 14°11 | 5°30 | n.a. | S 25 |
| M26 | 15 8 52 | 16°48'32 | 9♍52 | 1♑40 | 7°46 | 22°35 | 9° 7 | 9°28 | 25°41 | 7°17 | 10° 6 | 14°17 | 14° 8 | 5°37 | n.a. | M26 |
| T 27 | 15 12 48 | 17°45'36 | 21°59 | 3°32 | 7°28 | 23°14 | 9° 8 | 9°24 | 25°39 | 7°16 | 10° 5 | 14°14 | 14° 5 | 5°44 | n.a. | T 27 |
| W28 | 15 16 45 | 18°42'40 | 3♎58 | 5°27 | 7° 9 | 23°52 | 9° 9 | 9°20 | 25°36 | 7°14 | 10° 4 | 14° 8 | 14° 1 | 5°50 | n.a. | W28 |
| T 29 | 15 20 41 | 19°39'45 | 15°52 | 7°25 | 6°47 | 24°31 | 9°10 | 9°16 | 25°34 | 7°13 | 10° 3 | 13°59 | 13°58 | 5°57 | n.a. | T 29 |
| F 30 | 15 24 38 | 20°36'50 | 27°44 | 9°24 | 6°23 | 25° 9 | 9°11 | 9°12 | 25°31 | 7°11 | 10° 2 | 13°47 | 13°55 | 6° 4 | n.a. | F 30 |
| S 31 | 15 28 34 | 21♉33'55 | 9♏36 | 11♉26 | 5♊56 | 25♒47 | 9♍12 | 9♐ 8 | 25♏29 | 7♐10 | 10♎ 1 | 13♒35 | 13♒52 | 6♏11 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 9n 8 | 6s20 | 3s52 | 1s24 | 3s32 | 24n42 | 3n32 | 21s 5 | 1s56 | 9n37 | 1n43 | 21s55 | 0n37 | 19s48 | 0s 1 | 21s15 | 0n49 | 7n43 | 13n 7 | 16s 8 | 16s32 | 17s24 | | | n.a. |
| F 2 | 9 29 | 11 37 | 4 27 | 1 21 | 3 35 | 24 45 | 3 29 | 20 55 | 1 57 | 9 38 | 1 42 | 21 54 | 0 36 | 19 47 | 0 1 | 21 14 | 0 49 | 7 43 | 13 7 | 16 12 | 16 32 | 17 26 | | | n.a. |
| S 3 | 9 51 | 16 27 | 4 50 | 1 14 | 3 37 | 24 48 | 3 26 | 20 45 | 1 58 | 9 39 | 1 42 | 21 54 | 0 36 | 19 47 | 0 1 | 21 14 | 0 49 | 7 44 | 13 7 | 16 15 | 16 33 | 17 29 | | | n.a. |
| S 4 | 10 12 | 20 40 | 5 1 | 1 5 | 3 38 | 24 50 | 3 23 | 20 36 | 1 59 | 9 41 | 1 42 | 21 54 | 0 36 | 19 46 | 0 1 | 21 14 | 0 49 | 7 44 | 13 7 | 16 19 | 16 34 | 17 31 | | | n.a. |
| M 5 | 10 33 | 24 4 | 4 58 | 0 53 | 3 37 | 24 52 | 3 19 | 20 26 | 2 1 | 9 42 | 1 42 | 21 53 | 0 36 | 19 46 | 0 1 | 21 14 | 0 49 | 7 44 | 13 7 | 16 23 | 16 35 | 17 34 | | | n.a. |
| T 6 | 10 54 | 26 26 | 4 42 | 0 38 | 3 36 | 24 53 | 3 15 | 20 16 | 2 2 | 9 42 | 1 41 | 21 53 | 0 36 | 19 45 | 0 1 | 21 14 | 0 49 | 7 45 | 13 6 | 16 26 | 16 36 | 17 36 | | | n.a. |
| W 7 | 11 15 | 27 37 | 4 14 | 0 21 | 3 34 | 24 53 | 3 10 | 20 6 | 2 3 | 9 43 | 1 41 | 21 53 | 0 36 | 19 45 | 0 1 | 21 14 | 0 49 | 7 45 | 13 6 | 16 28 | 16 37 | 17 39 | | | n.a. |
| T 8 | 11 35 | 27 29 | 3 34 | 0 1 | 3 31 | 24 52 | 3 5 | 19 55 | 2 4 | 9 44 | 1 41 | 21 52 | 0 36 | 19 44 | 0 1 | 21 13 | 0 49 | 7 46 | 13 6 | 16 30 | 16 38 | 17 41 | | | n.a. |
| F 9 | 11 56 | 25 59 | 2 43 | 0n21 | 3 27 | 24 51 | 3 0 | 19 45 | 2 5 | 9 45 | 1 40 | 21 52 | 0 36 | 19 44 | 0 1 | 21 13 | 0 49 | 7 46 | 13 6 | 16 31 | 16 39 | 17 44 | | | n.a. |
| S 10 | 12 16 | 23 9 | 1 43 | 0 45 | 3 22 | 24 49 | 2 54 | 19 34 | 2 7 | 9 45 | 1 40 | 21 52 | 0 36 | 19 43 | 0 1 | 21 13 | 0 49 | 7 46 | 13 5 | 16 32 | 16 40 | 17 46 | | | n.a. |
| S 11 | 12 36 | 19 6 | 0 37 | 1 12 | 3 17 | 24 46 | 2 48 | 19 24 | 2 8 | 9 46 | 1 40 | 21 51 | 0 36 | 19 43 | 0 1 | 21 13 | 0 49 | 7 47 | 13 5 | 16 32 | 16 41 | 17 49 | | | n.a. |
| M12 | 12 56 | 13 59 | 0n34 | 1 41 | 3 10 | 24 43 | 2 42 | 19 13 | 2 9 | 9 47 | 1 40 | 21 51 | 0 36 | 19 42 | 0 1 | 21 12 | 0 49 | 7 47 | 13 5 | 16 32 | 16 42 | 17 52 | | | n.a. |
| T 13 | 13 16 | 8 1 | 1 45 | 2 13 | 3 3 | 24 38 | 2 35 | 19 2 | 2 10 | 9 47 | 1 39 | 21 50 | 0 36 | 19 42 | 0 1 | 21 12 | 0 49 | 7 47 | 13 5 | 16 32 | 16 43 | 17 54 | | | n.a. |
| W14 | 13 35 | 1 28 | 2 51 | 2 46 | 2 56 | 24 33 | 2 28 | 18 51 | 2 12 | 9 47 | 1 39 | 21 50 | 0 36 | 19 41 | 0 1 | 21 12 | 0 49 | 7 48 | 13 4 | 16 33 | 16 44 | 17 57 | | | n.a. |
| T 15 | 13 54 | 5n21 | 3 49 | 3 21 | 2 48 | 24 28 | 2 21 | 18 40 | 2 13 | 9 48 | 1 39 | 21 50 | 0 36 | 19 41 | 0 1 | 21 12 | 0 49 | 7 48 | 13 4 | 16 35 | 16 45 | 17 59 | | | n.a. |
| F 16 | 14 13 | 12 1 | 4 32 | 3 58 | 2 39 | 24 21 | 2 13 | 18 29 | 2 14 | 9 48 | 1 38 | 21 49 | 0 36 | 19 40 | 0 1 | 21 12 | 0 49 | 7 48 | 13 4 | 16 37 | 16 46 | 18 2 | | | n.a. |
| S 17 | 14 32 | 18 4 | 4 56 | 4 37 | 2 30 | 24 14 | 2 5 | 18 18 | 2 15 | 9 48 | 1 38 | 21 49 | 0 36 | 19 40 | 0 1 | 21 11 | 0 49 | 7 49 | 13 4 | 16 40 | 16 47 | 18 4 | | | n.a. |
| S 18 | 14 51 | 22 57 | 4 59 | 5 18 | 2 20 | 24 6 | 1 56 | 18 6 | 2 16 | 9 48 | 1 38 | 21 48 | 0 36 | 19 39 | 0 1 | 21 11 | 0 49 | 7 49 | 13 3 | 16 43 | 16 48 | 18 7 | | | n.a. |
| M19 | 15 9 | 26 14 | 4 41 | 6 0 | 2 10 | 23 57 | 1 47 | 17 55 | 2 18 | 9 48 | 1 37 | 21 48 | 0 36 | 19 39 | 0 1 | 21 11 | 0 49 | 7 49 | 13 3 | 16 46 | 16 49 | 18 9 | | | n.a. |
| T 20 | 15 28 | 27 37 | 4 4 | 6 44 | 1 59 | 23 47 | 1 37 | 17 43 | 2 19 | 9 48 | 1 37 | 21 47 | 0 36 | 19 38 | 0 1 | 21 11 | 0 49 | 7 49 | 13 3 | 16 49 | 16 50 | 18 12 | | | n.a. |
| W21 | 15 46 | 27 3 | 3 13 | 7 29 | 1 48 | 23 37 | 1 27 | 17 32 | 2 20 | 9 48 | 1 37 | 21 47 | 0 36 | 19 38 | 0 1 | 21 10 | 0 49 | 7 50 | 13 2 | 16 51 | 16 51 | 18 14 | | | n.a. |
| T 22 | 16 3 | 24 47 | 2 12 | 8 15 | 1 37 | 23 26 | 1 17 | 17 20 | 2 21 | 9 48 | 1 36 | 21 46 | 0 35 | 19 37 | 0 1 | 21 10 | 0 49 | 7 50 | 13 2 | 16 52 | 16 51 | 18 16 | | | n.a. |
| F 23 | 16 21 | 21 11 | 1 5 | 9 3 | 1 26 | 23 14 | 1 6 | 17 9 | 2 22 | 9 48 | 1 36 | 21 46 | 0 35 | 19 36 | 0 1 | 21 10 | 0 49 | 7 50 | 13 2 | 16 52 | 16 52 | 18 19 | | | n.a. |
| S 24 | 16 38 | 16 38 | 0s 3 | 9 51 | 1 14 | 23 1 | 0 55 | 16 57 | 2 23 | 9 47 | 1 36 | 21 45 | 0 35 | 19 36 | 0 1 | 21 10 | 0 49 | 7 50 | 13 1 | 16 52 | 16 53 | 18 21 | | | n.a. |
| S 25 | 16 55 | 11 30 | 1 9 | 10 41 | 1 2 | 22 48 | 0 43 | 16 45 | 2 25 | 9 47 | 1 35 | 21 45 | 0 35 | 19 35 | 0 1 | 21 9 | 0 49 | 7 50 | 13 1 | 16 52 | 16 54 | 18 24 | | | n.a. |
| M26 | 17 12 | 6 1 | 2 11 | 11 30 | 0 50 | 22 33 | 0 31 | 16 33 | 2 26 | 9 46 | 1 35 | 21 44 | 0 35 | 19 35 | 0 1 | 21 9 | 0 49 | 7 51 | 13 1 | 16 52 | 16 55 | 18 26 | | | n.a. |
| T 27 | 17 28 | 0 25 | 3 5 | 12 21 | 0 38 | 22 18 | 0 19 | 16 21 | 2 27 | 9 46 | 1 35 | 21 44 | 0 35 | 19 34 | 0 1 | 21 9 | 0 49 | 7 51 | 13 0 | 16 53 | 16 56 | 18 29 | | | n.a. |
| W28 | 17 44 | 5s 7 | 3 50 | 13 11 | 0 27 | 22 2 | 0 6 | 16 9 | 2 28 | 9 45 | 1 34 | 21 43 | 0 35 | 19 34 | 0 1 | 21 9 | 0 49 | 7 51 | 13 0 | 16 55 | 16 57 | 18 31 | | | n.a. |
| T 29 | 18 0 | 10 25 | 4 25 | 14 2 | 0 15 | 21 46 | 0s 7 | 15 57 | 2 29 | 9 45 | 1 34 | 21 43 | 0 35 | 19 33 | 0 1 | 21 8 | 0 49 | 7 51 | 13 0 | 16 58 | 16 58 | 18 34 | | | n.a. |
| F 30 | 18 16 | 15 20 | 4 48 | 14 52 | 0 3 | 21 28 | 0 20 | 15 45 | 2 30 | 9 44 | 1 34 | 21 42 | 0 35 | 19 33 | 0 1 | 21 8 | 0 49 | 7 51 | 12 59 | 17 1 | 16 59 | 18 36 | | | n.a. |
| S 31 | 18n31 | 19s41 | 4s59 | 15n41 | 0n 8 | 21n10 | 0s34 | 15s33 | 2s32 | 9n43 | 1n33 | 21s41 | 0n35 | 19s32 | 0s 1 | 21s 8 | 0n49 | 7n51 | 12n59 | 17s 5 | 17s 0 | 18s39 | | | n.a. |

Julian Day Number = 1006749.5, Delta T = 12h44m45s
Ecliptic obliquity = 23°55'18, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'04, Lahiri = -30°56'04 Julian Calendar 1 May 1957 BCE == Greg. Calendar 14 Apr. 1957 BCE

The year -1956 astronomical counting style corresponds to year 1957 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## JUNE 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 32 31 | 22♉31'01 | 21♏31 | 13♉29 | 5°R28 | 26♒25 | 9♍14 | 9°R 3 | 25°R27 | 7°R 8 | 10°R 0 | 13°R21 | 13♒49 | 6♏17 | n.a. | S 1 |
| M 2 | 15 36 27 | 23°28'08 | 3♐29 | 15°34 | 4♊59 | 27° 2 | 9°16 | 8♐59 | 25♏24 | 7♐ 7 | 9♎59 | 13♒ 8 | 13°46 | 6°24 | n.a. | M 2 |
| T 3 | 15 40 24 | 24°25'15 | 15°31 | 17°40 | 4°27 | 27°40 | 9°17 | 8°55 | 25°22 | 7° 5 | 9°57 | 12°56 | 13°42 | 6°31 | n.a. | T 3 |
| W 4 | 15 44 21 | 25°22'23 | 27°40 | 19°47 | 3°54 | 28°17 | 9°20 | 8°51 | 25°19 | 7° 4 | 9°56 | 12°47 | 13°39 | 6°38 | n.a. | W 4 |
| T 5 | 15 48 17 | 26°19'32 | 9♑57 | 21°55 | 3°20 | 28°54 | 9°22 | 8°46 | 25°17 | 7° 2 | 9°55 | 12°41 | 13°36 | 6°44 | n.a. | T 5 |
| F 6 | 15 52 14 | 27°16'42 | 22°25 | 24° 2 | 2°45 | 29°31 | 9°24 | 8°42 | 25°15 | 7° 0 | 9°54 | 12°37 | 13°33 | 6°51 | n.a. | F 6 |
| S 7 | 15 56 10 | 28°13'53 | 5♒ 5 | 26°10 | 2° 9 | 0♓ 8 | 9°27 | 8°38 | 25°12 | 6°59 | 9°54 | 12°35 | 13°30 | 6°58 | n.a. | S 7 |
| S 8 | 16 0 7 | 29°11'05 | 18° 3 | 28°17 | 1°32 | 0°44 | 9°30 | 8°33 | 25°10 | 6°57 | 9°53 | 12°D35 | 13°26 | 7° 4 | n.a. | S 8 |
| M 9 | 16 4 3 | 0♊ 8'18 | 1♓21 | 0♊24 | 0°55 | 1°21 | 9°32 | 8°29 | 25° 7 | 6°56 | 9°52 | 12°R35 | 13°23 | 7°11 | n.a. | M 9 |
| T 10 | 16 8 0 | 1° 5'32 | 15° 2 | 2°30 | 0°18 | 1°57 | 9°36 | 8°25 | 25° 5 | 6°54 | 9°51 | 12°35 | 13°20 | 7°18 | n.a. | T 10 |
| W11 | 16 11 57 | 2° 2'48 | 29° 8 | 4°35 | 29♉41 | 2°33 | 9°39 | 8°20 | 25° 3 | 6°52 | 9°50 | 12°32 | 13°17 | 7°25 | n.a. | W11 |
| T 12 | 16 15 53 | 3° 0'04 | 13♈38 | 6°39 | 29° 5 | 3° 8 | 9°42 | 8°16 | 25° 0 | 6°51 | 9°49 | 12°27 | 13°14 | 7°31 | n.a. | T 12 |
| F 13 | 16 19 50 | 3°57'22 | 28°29 | 8°42 | 28°28 | 3°44 | 9°46 | 8°11 | 24°58 | 6°49 | 9°48 | 12°20 | 13°11 | 7°38 | n.a. | F 13 |
| S 14 | 16 23 46 | 4°54'41 | 13♉34 | 10°44 | 27°53 | 4°19 | 9°50 | 8° 7 | 24°56 | 6°47 | 9°48 | 12°11 | 13° 7 | 7°45 | n.a. | S 14 |
| S 15 | 16 27 43 | 5°52'01 | 28°44 | 12°44 | 27°19 | 4°54 | 9°54 | 8° 2 | 24°53 | 6°46 | 9°47 | 12° 1 | 13° 4 | 7°51 | n.a. | S 15 |
| M16 | 16 31 39 | 6°49'23 | 13♊48 | 14°43 | 26°46 | 5°29 | 9°58 | 7°58 | 24°51 | 6°44 | 9°46 | 11°52 | 13° 1 | 7°58 | n.a. | M16 |
| T 17 | 16 35 36 | 7°46'45 | 28°37 | 16°40 | 26°14 | 6° 3 | 10° 2 | 7°54 | 24°49 | 6°43 | 9°46 | 11°45 | 12°58 | 8° 5 | n.a. | T 17 |
| W18 | 16 39 33 | 8°44'09 | 13♋ 3 | 18°36 | 25°44 | 6°38 | 10° 6 | 7°49 | 24°46 | 6°41 | 9°45 | 11°39 | 12°55 | 8°12 | n.a. | W18 |
| T 19 | 16 43 29 | 9°41'34 | 27° 2 | 20°30 | 25°15 | 7°12 | 10°11 | 7°45 | 24°44 | 6°39 | 9°44 | 11°36 | 12°52 | 8°18 | n.a. | T 19 |
| F 20 | 16 47 26 | 10°38'59 | 10♌32 | 22°23 | 24°49 | 7°46 | 10°16 | 7°40 | 24°42 | 6°38 | 9°44 | 11°D35 | 12°48 | 8°25 | n.a. | F 20 |
| S 21 | 16 51 22 | 11°36'25 | 23°35 | 24°14 | 24°24 | 8°19 | 10°21 | 7°36 | 24°39 | 6°36 | 9°43 | 11°36 | 12°45 | 8°32 | n.a. | S 21 |
| S 22 | 16 55 19 | 12°33'52 | 6♍15 | 26° 4 | 24° 1 | 8°52 | 10°26 | 7°31 | 24°37 | 6°34 | 9°43 | 11°37 | 12°42 | 8°39 | n.a. | S 22 |
| M23 | 16 59 15 | 13°31'21 | 18°36 | 27°52 | 23°41 | 9°25 | 10°31 | 7°27 | 24°35 | 6°33 | 9°42 | 11°R37 | 12°39 | 8°45 | n.a. | M23 |
| T 24 | 17 3 12 | 14°28'50 | 0♎43 | 29°38 | 23°23 | 9°58 | 10°36 | 7°22 | 24°33 | 6°31 | 9°42 | 11°35 | 12°36 | 8°52 | n.a. | T 24 |
| W25 | 17 7 8 | 15°26'20 | 12°41 | 1♋23 | 23° 7 | 10°31 | 10°42 | 7°18 | 24°30 | 6°30 | 9°41 | 11°31 | 12°32 | 8°59 | n.a. | W25 |
| T 26 | 17 11 5 | 16°23'52 | 24°34 | 3° 7 | 22°53 | 11° 3 | 10°48 | 7°14 | 24°28 | 6°28 | 9°41 | 11°26 | 12°29 | 9° 5 | n.a. | T 26 |
| F 27 | 17 15 2 | 17°21'24 | 6♏26 | 4°49 | 22°42 | 11°35 | 10°53 | 7° 9 | 24°26 | 6°26 | 9°41 | 11°18 | 12°26 | 9°12 | n.a. | F 27 |
| S 28 | 17 18 58 | 18°18'59 | 18°20 | 6°29 | 22°34 | 12° 6 | 10°59 | 7° 5 | 24°24 | 6°25 | 9°40 | 11° 9 | 12°23 | 9°19 | n.a. | S 28 |
| S 29 | 17 22 55 | 19°16'34 | 0♐19 | 8° 8 | 22°27 | 12°37 | 11° 6 | 7° 1 | 24°22 | 6°23 | 9°40 | 10°59 | 12°20 | 9°26 | n.a. | S 29 |
| M30 | 17 26 51 | 20♊14'11 | 12♐24 | 9♋45 | 22♉23 | 13♓ 8 | 11♍12 | 6♐56 | 24♏20 | 6♐22 | 9♎40 | 10♒50 | 12♒17 | 9♏32 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n46 | 23s16 | 4s57 | 16n30 | 0n19 | 20n52 | 0s48 | 15s21 | 2s33 | 9n42 | 1n33 | 21s41 | 0n35 | 19s31 | 0s 1 | 21s 8 | 0n49 | 7n51 | 12n58 | 17s 9 | 17s 1 | 18s41 | | n.a. |
| M 2 | 19 1 | 25 52 | 4 41 | 17 18 | 0 29 | 20 33 | 1 2 | 15 9 | 2 34 | 9 41 | 1 33 | 21 40 | 0 35 | 19 31 | 0 1 | 21 7 | 0 49 | 7 51 | 12 58 | 17 13 | 17 2 | 18 43 | | n.a. |
| T 3 | 19 15 | 27 19 | 4 13 | 18 4 | 0 39 | 20 13 | 1 16 | 14 57 | 2 35 | 9 40 | 1 33 | 21 40 | 0 35 | 19 30 | 0 1 | 21 7 | 0 49 | 7 51 | 12 58 | 17 16 | 17 3 | 18 46 | | n.a. |
| W 4 | 19 29 | 27 28 | 3 34 | 18 49 | 0 48 | 19 53 | 1 30 | 14 45 | 2 36 | 9 39 | 1 32 | 21 39 | 0 35 | 19 30 | 0 1 | 21 7 | 0 49 | 7 51 | 12 57 | 17 19 | 17 4 | 18 48 | | n.a. |
| T 5 | 19 43 | 26 15 | 2 43 | 19 32 | 0 57 | 19 33 | 1 44 | 14 32 | 2 37 | 9 38 | 1 32 | 21 38 | 0 34 | 19 29 | 0 1 | 21 7 | 0 49 | 7 51 | 12 57 | 17 21 | 17 5 | 18 51 | | n.a. |
| F 6 | 19 57 | 23 44 | 1 45 | 20 13 | 1 6 | 19 12 | 1 58 | 14 20 | 2 38 | 9 37 | 1 32 | 21 38 | 0 34 | 19 28 | 0 1 | 21 6 | 0 49 | 7 51 | 12 56 | 17 22 | 17 5 | 18 53 | | n.a. |
| S 7 | 20 10 | 20 1 | 0 40 | 20 52 | 1 13 | 18 51 | 2 12 | 14 8 | 2 40 | 9 35 | 1 31 | 21 37 | 0 34 | 19 28 | 0 1 | 21 6 | 0 49 | 7 51 | 12 56 | 17 22 | 17 6 | 18 55 | | n.a. |
| S 8 | 20 23 | 15 16 | 0n29 | 21 29 | 1 20 | 18 30 | 2 26 | 13 56 | 2 41 | 9 34 | 1 31 | 21 37 | 0 34 | 19 27 | 0 1 | 21 6 | 0 49 | 7 51 | 12 56 | 17 22 | 17 7 | 18 58 | | n.a. |
| M 9 | 20 35 | 9 41 | 1 38 | 22 3 | 1 26 | 18 9 | 2 39 | 13 43 | 2 42 | 9 33 | 1 31 | 21 36 | 0 34 | 19 27 | 0 1 | 21 6 | 0 49 | 7 51 | 12 55 | 17 22 | 17 8 | 19 0 | | n.a. |
| T 10 | 20 47 | 3 31 | 2 43 | 22 35 | 1 32 | 17 49 | 2 53 | 13 31 | 2 43 | 9 31 | 1 30 | 21 35 | 0 34 | 19 26 | 0 1 | 21 5 | 0 49 | 7 51 | 12 55 | 17 22 | 17 9 | 19 2 | | n.a. |
| W11 | 20 59 | 3n 0 | 3 40 | 23 4 | 1 37 | 17 28 | 3 6 | 13 19 | 2 44 | 9 30 | 1 30 | 21 35 | 0 34 | 19 26 | 0 1 | 21 5 | 0 49 | 7 51 | 12 54 | 17 23 | 17 10 | 19 5 | | n.a. |
| T 12 | 21 11 | 9 33 | 4 25 | 23 31 | 1 41 | 17 8 | 3 18 | 13 7 | 2 45 | 9 28 | 1 30 | 21 34 | 0 34 | 19 25 | 0 1 | 21 5 | 0 49 | 7 51 | 12 54 | 17 24 | 17 11 | 19 7 | | n.a. |
| F 13 | 21 22 | 15 42 | 4 54 | 23 55 | 1 44 | 16 48 | 3 31 | 12 55 | 2 46 | 9 26 | 1 29 | 21 34 | 0 34 | 19 24 | 0 1 | 21 5 | 0 49 | 7 51 | 12 53 | 17 27 | 17 12 | 19 10 | | n.a. |
| S 14 | 21 33 | 21 1 | 5 2 | 24 16 | 1 47 | 16 28 | 3 43 | 12 42 | 2 47 | 9 24 | 1 29 | 21 33 | 0 34 | 19 24 | 0 1 | 21 4 | 0 49 | 7 51 | 12 53 | 17 29 | 17 13 | 19 12 | | n.a. |
| S 15 | 21 43 | 24 59 | 4 50 | 24 35 | 1 49 | 16 10 | 3 54 | 12 30 | 2 48 | 9 23 | 1 29 | 21 32 | 0 34 | 19 23 | 0 1 | 21 4 | 0 49 | 7 51 | 12 53 | 17 32 | 17 14 | 19 14 | | n.a. |
| M16 | 21 53 | 27 10 | 4 17 | 24 51 | 1 51 | 15 52 | 4 5 | 12 18 | 2 49 | 9 21 | 1 28 | 21 32 | 0 34 | 19 23 | 0 1 | 21 4 | 0 49 | 7 51 | 12 52 | 17 34 | 17 15 | 19 17 | | n.a. |
| T 17 | 22 3 | 27 23 | 3 28 | 25 5 | 1 51 | 15 34 | 4 15 | 12 6 | 2 50 | 9 19 | 1 28 | 21 31 | 0 33 | 19 22 | 0 1 | 21 3 | 0 49 | 7 51 | 12 52 | 17 37 | 17 16 | 19 19 | | n.a. |
| W18 | 22 12 | 25 41 | 2 26 | 25 17 | 1 52 | 15 18 | 4 25 | 11 54 | 2 51 | 9 17 | 1 28 | 21 30 | 0 33 | 19 22 | 0 1 | 21 3 | 0 49 | 7 50 | 12 51 | 17 38 | 17 17 | 19 21 | | n.a. |
| T 19 | 22 21 | 22 26 | 1 17 | 25 25 | 1 51 | 15 2 | 4 34 | 11 42 | 2 53 | 9 15 | 1 28 | 21 30 | 0 33 | 19 21 | 0 1 | 21 3 | 0 49 | 7 50 | 12 51 | 17 39 | 17 17 | 19 24 | | n.a. |
| F 20 | 22 30 | 18 2 | 0 6 | 25 32 | 1 50 | 14 48 | 4 42 | 11 30 | 2 54 | 9 13 | 1 27 | 21 29 | 0 33 | 19 20 | 0 1 | 21 3 | 0 49 | 7 50 | 12 50 | 17 39 | 17 18 | 19 26 | | n.a. |
| S 21 | 22 38 | 12 56 | 1s 4 | 25 36 | 1 49 | 14 34 | 4 50 | 11 18 | 2 55 | 9 11 | 1 27 | 21 28 | 0 33 | 19 20 | 0 1 | 21 2 | 0 49 | 7 50 | 12 50 | 17 39 | 17 19 | 19 28 | | n.a. |
| S 22 | 22 45 | 7 25 | 2 8 | 25 39 | 1 47 | 14 22 | 4 57 | 11 6 | 2 56 | 9 8 | 1 27 | 21 28 | 0 33 | 19 19 | 0 1 | 21 2 | 0 49 | 7 50 | 12 49 | 17 39 | 17 20 | 19 31 | | n.a. |
| M23 | 22 53 | 1 47 | 3 4 | 25 39 | 1 44 | 14 10 | 5 4 | 10 55 | 2 57 | 9 6 | 1 26 | 21 27 | 0 33 | 19 19 | 0 1 | 21 2 | 0 49 | 7 49 | 12 49 | 17 39 | 17 21 | 19 33 | | n.a. |
| T 24 | 23 0 | 3s49 | 3 52 | 25 37 | 1 41 | 14 0 | 5 10 | 10 43 | 2 58 | 9 4 | 1 26 | 21 26 | 0 33 | 19 18 | 0 1 | 21 2 | 0 49 | 7 49 | 12 48 | 17 39 | 17 22 | 19 35 | | n.a. |
| W25 | 23 6 | 9 12 | 4 28 | 25 33 | 1 38 | 13 50 | 5 15 | 10 31 | 2 59 | 9 1 | 1 26 | 21 26 | 0 33 | 19 18 | 0 1 | 21 1 | 0 49 | 7 49 | 12 48 | 17 40 | 17 23 | 19 37 | | n.a. |
| T 26 | 23 13 | 14 13 | 4 52 | 25 27 | 1 34 | 13 42 | 5 20 | 10 20 | 3 0 | 8 59 | 1 25 | 21 25 | 0 33 | 19 17 | 0 1 | 21 1 | 0 49 | 7 49 | 12 47 | 17 42 | 17 24 | 19 40 | | n.a. |
| F 27 | 23 18 | 18 42 | 5 4 | 25 20 | 1 30 | 13 35 | 5 25 | 10 8 | 3 1 | 8 56 | 1 25 | 21 25 | 0 32 | 19 17 | 0 1 | 21 1 | 0 49 | 7 48 | 12 47 | 17 44 | 17 25 | 19 42 | | n.a. |
| S 28 | 23 24 | 22 28 | 5 3 | 25 10 | 1 25 | 13 30 | 5 28 | 9 57 | 3 2 | 8 54 | 1 25 | 21 24 | 0 32 | 19 16 | 0 1 | 21 1 | 0 49 | 7 48 | 12 46 | 17 47 | 17 26 | 19 44 | | n.a. |
| S 29 | 23 29 | 25 19 | 4 48 | 25 0 | 1 20 | 13 25 | 5 32 | 9 46 | 3 3 | 8 51 | 1 25 | 21 23 | 0 32 | 19 16 | 0 1 | 21 0 | 0 49 | 7 48 | 12 46 | 17 49 | 17 27 | 19 47 | | n.a. |
| M30 | 23n33 | 27s 3 | 4s21 | 24n47 | 1n14 | 13n21 | 5s34 | 9s34 | 3s 4 | 8n48 | 1n24 | 21s23 | 0n32 | 19s15 | 0s 1 | 21s 0 | 0n49 | 7n47 | 12n45 | 17s52 | 17s28 | 19s49 | | n.a. |

Julian Day Number = 1006780.5, Delta T = 12h44m43s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°03'00, Lahiri = -30°56'00 Julian Calendar 1 June 1957 BCE == Greg. Calendar 15 May 1957 BCE


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## JULY 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 30 48 | 21♊11'49 | 24♐36 | 11♋21 | 22°D22 | 13♓39 | 11♍18 | 6°R52 | 24°R18 | 6°R20 | 9°R40 | 10°R41 | 12♒13 | 9♏39 | n.a. | T 1 |
| W 2 | 17 34 44 | 22° 9'29 | 6♑57 | 12°55 | 22♉22 | 14° 9 | 11°25 | 6♐48 | 24♏16 | 6♐19 | 9♎39 | 10♒35 | 12°10 | 9°46 | n.a. | W 2 |
| T 3 | 17 38 41 | 23° 7'10 | 19°28 | 14°28 | 22°25 | 14°39 | 11°31 | 6°44 | 24°14 | 6°17 | 9°39 | 10°31 | 12° 7 | 9°53 | n.a. | T 3 |
| F 4 | 17 42 38 | 24° 4'53 | 2♒10 | 15°59 | 22°31 | 15° 9 | 11°38 | 6°39 | 24°12 | 6°15 | 9°39 | 10°28 | 12° 4 | 9°59 | n.a. | F 4 |
| S 5 | 17 46 34 | 25° 2'38 | 15° 4 | 17°29 | 22°38 | 15°38 | 11°45 | 6°35 | 24°10 | 6°14 | 9°39 | 10°D28 | 12° 1 | 10° 6 | n.a. | S 5 |
| S 6 | 17 50 31 | 26° 0'25 | 28°12 | 18°58 | 22°48 | 16° 7 | 11°52 | 6°31 | 24° 8 | 6°12 | 9°39 | 10°29 | 11°58 | 10°13 | n.a. | S 6 |
| M 7 | 17 54 27 | 26°58'13 | 11♓35 | 20°24 | 22°59 | 16°36 | 12° 0 | 6°27 | 24° 6 | 6°11 | 9°D39 | 10°30 | 11°54 | 10°19 | n.a. | M 7 |
| T 8 | 17 58 24 | 27°56'04 | 25°16 | 21°50 | 23°13 | 17° 4 | 12° 7 | 6°23 | 24° 4 | 6° 9 | 9°39 | 10°R31 | 11°51 | 10°26 | n.a. | T 8 |
| W 9 | 18 2 20 | 28°53'56 | 9♈15 | 23°13 | 23°29 | 17°32 | 12°14 | 6°19 | 24° 2 | 6° 8 | 9°39 | 10°31 | 11°48 | 10°33 | n.a. | W 9 |
| T 10 | 18 6 17 | 29°51'51 | 23°32 | 24°35 | 23°47 | 18° 0 | 12°22 | 6°15 | 24° 0 | 6° 7 | 9°39 | 10°29 | 11°45 | 10°40 | n.a. | T 10 |
| F 11 | 18 10 13 | 0♋49'47 | 8♉ 4 | 25°56 | 24° 7 | 18°27 | 12°30 | 6°11 | 23°59 | 6° 5 | 9°39 | 10°25 | 11°42 | 10°46 | n.a. | F 11 |
| S 12 | 18 14 10 | 1°47'46 | 22°48 | 27°14 | 24°28 | 18°53 | 12°38 | 6° 8 | 23°57 | 6° 4 | 9°39 | 10°20 | 11°38 | 10°53 | n.a. | S 12 |
| S 13 | 18 18 6 | 2°45'47 | 7♊36 | 28°31 | 24°51 | 19°20 | 12°46 | 6° 4 | 23°55 | 6° 2 | 9°39 | 10°14 | 11°35 | 11° 0 | n.a. | S 13 |
| M14 | 18 22 3 | 3°43'50 | 22°21 | 29°46 | 25°16 | 19°46 | 12°54 | 6° 0 | 23°53 | 6° 1 | 9°40 | 10° 9 | 11°32 | 11° 7 | n.a. | M14 |
| T 15 | 18 26 0 | 4°41'54 | 6♋56 | 1♌ 0 | 25°43 | 20°11 | 13° 2 | 5°56 | 23°52 | 5°59 | 9°40 | 10° 5 | 11°29 | 11°13 | n.a. | T 15 |
| W16 | 18 29 56 | 5°40'01 | 21°12 | 2°11 | 26°11 | 20°36 | 13°11 | 5°53 | 23°50 | 5°58 | 9°40 | 10° 2 | 11°26 | 11°20 | n.a. | W16 |
| T 17 | 18 33 53 | 6°38'09 | 5♌ 7 | 3°21 | 26°40 | 21° 0 | 13°19 | 5°49 | 23°49 | 5°57 | 9°40 | 10°D 0 | 11°23 | 11°27 | n.a. | T 17 |
| F 18 | 18 37 49 | 7°36'19 | 18°36 | 4°28 | 27°11 | 21°25 | 13°28 | 5°46 | 23°47 | 5°55 | 9°41 | 10° 0 | 11°19 | 11°33 | n.a. | F 18 |
| S 19 | 18 41 46 | 8°34'31 | 1♍42 | 5°33 | 27°44 | 21°48 | 13°36 | 5°43 | 23°46 | 5°54 | 9°41 | 10° 2 | 11°16 | 11°40 | n.a. | S 19 |
| S 20 | 18 45 42 | 9°32'44 | 14°25 | 6°35 | 28°18 | 22°11 | 13°45 | 5°39 | 23°44 | 5°53 | 9°42 | 10° 3 | 11°13 | 11°47 | n.a. | S 20 |
| M21 | 18 49 39 | 10°30'59 | 26°49 | 7°36 | 28°53 | 22°34 | 13°54 | 5°36 | 23°43 | 5°52 | 9°42 | 10° 5 | 11°10 | 11°54 | n.a. | M21 |
| T 22 | 18 53 35 | 11°29'15 | 8♎58 | 8°33 | 29°29 | 22°56 | 14° 3 | 5°33 | 23°41 | 5°50 | 9°43 | 10°R 6 | 11° 7 | 12° 0 | n.a. | T 22 |
| W23 | 18 57 32 | 12°27'34 | 20°57 | 9°28 | 0♊ 7 | 23°17 | 14°13 | 5°30 | 23°40 | 5°49 | 9°43 | 10° 5 | 11° 4 | 12° 7 | n.a. | W23 |
| T 24 | 19 1 29 | 13°25'54 | 2♏51 | 10°20 | 0°46 | 23°39 | 14°22 | 5°27 | 23°39 | 5°48 | 9°44 | 10° 4 | 11° 0 | 12°14 | n.a. | T 24 |
| F 25 | 19 5 25 | 14°24'16 | 14°44 | 11° 8 | 1°26 | 23°59 | 14°31 | 5°24 | 23°38 | 5°47 | 9°44 | 10° 1 | 10°57 | 12°21 | n.a. | F 25 |
| S 26 | 19 9 22 | 15°22'40 | 26°40 | 11°54 | 2° 7 | 24°19 | 14°41 | 5°21 | 23°36 | 5°45 | 9°45 | 9°58 | 10°54 | 12°27 | n.a. | S 26 |
| S 27 | 19 13 18 | 16°21'05 | 8♐43 | 12°35 | 2°49 | 24°38 | 14°50 | 5°18 | 23°35 | 5°44 | 9°45 | 9°54 | 10°51 | 12°34 | n.a. | S 27 |
| M28 | 19 17 15 | 17°19'33 | 20°55 | 13°13 | 3°32 | 24°57 | 15° 0 | 5°15 | 23°34 | 5°43 | 9°46 | 9°50 | 10°48 | 12°41 | n.a. | M28 |
| T 29 | 19 21 11 | 18°18'03 | 3♑19 | 13°46 | 4°16 | 25°16 | 15°10 | 5°13 | 23°33 | 5°42 | 9°47 | 9°47 | 10°44 | 12°47 | n.a. | T 29 |
| W30 | 19 25 8 | 19°16'34 | 15°55 | 14°15 | 5° 1 | 25°33 | 15°20 | 5°10 | 23°32 | 5°41 | 9°48 | 9°44 | 10°41 | 12°54 | n.a. | W30 |
| T 31 | 19 29 4 | 20♋15'08 | 28♑44 | 14♌39 | 5♊47 | 25♓51 | 15♍30 | 5♐ 7 | 23♏31 | 5♐40 | 9♎48 | 9♒43 | 10♒38 | 13♏ 1 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 23n37 | 27s29 | 3s41 | 24n34 | 1n 9 | 13n19 | 5s36 | 9s23 | 3s 5 | 8n46 | 1n24 | 21s22 | 0n32 | 19s15 | 0s 1 | 21s 0 | 0n49 | 7n47 | 12n45 | 17s54 | 17s28 | 19s51 | | | n.a. |
| W 2 | 23 41 | 26 34 | 2 50 | 24 19 | 1 2 | 13 17 | 5 38 | 9 12 | 3 6 | 8 43 | 1 24 | 21 21 | 0 32 | 19 14 | 0 1 | 21 0 | 0 49 | 7 46 | 12 45 | 17 56 | 17 29 | 19 53 | | | n.a. |
| T 3 | 23 44 | 24 18 | 1 51 | 24 3 | 0 56 | 13 17 | 5 40 | 9 1 | 3 7 | 8 40 | 1 23 | 21 21 | 0 32 | 19 14 | 0 1 | 20 59 | 0 49 | 7 46 | 12 44 | 17 57 | 17 30 | 19 56 | | | n.a. |
| F 4 | 23 47 | 20 48 | 0 45 | 23 45 | 0 49 | 13 17 | 5 40 | 8 50 | 3 8 | 8 37 | 1 23 | 21 20 | 0 32 | 19 13 | 0 1 | 20 59 | 0 49 | 7 46 | 12 44 | 17 58 | 17 31 | 19 58 | | | n.a. |
| S 5 | 23 50 | 16 15 | 0n25 | 23 27 | 0 42 | 13 18 | 5 41 | 8 40 | 3 9 | 8 34 | 1 23 | 21 20 | 0 32 | 19 13 | 0 1 | 20 59 | 0 49 | 7 45 | 12 43 | 17 58 | 17 32 | 20 0 | | | n.a. |
| S 6 | 23 52 | 10 52 | 1 34 | 23 7 | 0 35 | 13 21 | 5 41 | 8 29 | 3 10 | 8 31 | 1 23 | 21 19 | 0 31 | 19 12 | 0 1 | 20 59 | 0 49 | 7 45 | 12 43 | 17 58 | 17 33 | 20 2 | | | n.a. |
| M 7 | 23 53 | 4 54 | 2 40 | 22 47 | 0 27 | 13 24 | 5 41 | 8 18 | 3 11 | 8 28 | 1 22 | 21 18 | 0 31 | 19 12 | 0 1 | 20 58 | 0 49 | 7 44 | 12 42 | 17 57 | 17 34 | 20 5 | | | n.a. |
| T 8 | 23 54 | 1n25 | 3 38 | 22 26 | 0 19 | 13 28 | 5 40 | 8 8 | 3 11 | 8 25 | 1 22 | 21 18 | 0 31 | 19 11 | 0 1 | 20 58 | 0 49 | 7 44 | 12 42 | 17 57 | 17 35 | 20 7 | | | n.a. |
| W 9 | 23 55 | 7 47 | 4 25 | 22 4 | 0 11 | 13 33 | 5 39 | 7 58 | 3 12 | 8 22 | 1 22 | 21 17 | 0 31 | 19 11 | 0 1 | 20 58 | 0 49 | 7 43 | 12 41 | 17 57 | 17 36 | 20 9 | | | n.a. |
| T 10 | 23 55 | 13 53 | 4 56 | 21 41 | 0 3 | 13 39 | 5 38 | 7 48 | 3 13 | 8 18 | 1 22 | 21 17 | 0 31 | 19 10 | 0 1 | 20 58 | 0 49 | 7 43 | 12 40 | 17 58 | 17 37 | 20 11 | | | n.a. |
| F 11 | 23 55 | 19 21 | 5 10 | 21 18 | 0s 6 | 13 45 | 5 36 | 7 38 | 3 14 | 8 15 | 1 21 | 21 16 | 0 31 | 19 10 | 0 1 | 20 57 | 0 49 | 7 42 | 12 40 | 17 59 | 17 37 | 20 13 | | | n.a. |
| S 12 | 23 54 | 23 42 | 5 3 | 20 54 | 0 15 | 13 52 | 5 34 | 7 28 | 3 15 | 8 12 | 1 21 | 21 16 | 0 31 | 19 9 | 0 1 | 20 57 | 0 49 | 7 42 | 12 39 | 18 0 | 17 38 | 20 16 | | | n.a. |
| S 13 | 23 53 | 26 33 | 4 36 | 20 29 | 0 23 | 13 59 | 5 32 | 7 18 | 3 16 | 8 8 | 1 21 | 21 15 | 0 31 | 19 9 | 0 1 | 20 57 | 0 49 | 7 41 | 12 39 | 18 2 | 17 39 | 20 18 | | | n.a. |
| M14 | 23 52 | 27 32 | 3 50 | 20 5 | 0 33 | 14 8 | 5 30 | 7 8 | 3 17 | 8 5 | 1 21 | 21 14 | 0 31 | 19 9 | 0 1 | 20 57 | 0 49 | 7 41 | 12 38 | 18 3 | 17 40 | 20 20 | | | n.a. |
| T 15 | 23 50 | 26 34 | 2 50 | 19 40 | 0 42 | 14 16 | 5 27 | 6 59 | 3 18 | 8 2 | 1 20 | 21 14 | 0 30 | 19 8 | 0 1 | 20 57 | 0 49 | 7 40 | 12 38 | 18 5 | 17 41 | 20 22 | | | n.a. |
| W16 | 23 48 | 23 52 | 1 41 | 19 14 | 0 51 | 14 26 | 5 25 | 6 50 | 3 19 | 7 58 | 1 20 | 21 13 | 0 30 | 19 8 | 0 1 | 20 56 | 0 49 | 7 40 | 12 37 | 18 5 | 17 42 | 20 24 | | | n.a. |
| T 17 | 23 45 | 19 48 | 0 27 | 18 49 | 1 1 | 14 35 | 5 22 | 6 41 | 3 19 | 7 54 | 1 20 | 21 13 | 0 30 | 19 7 | 0 1 | 20 56 | 0 49 | 7 39 | 12 37 | 18 6 | 17 43 | 20 27 | | | n.a. |
| F 18 | 23 42 | 14 49 | 0s47 | 18 24 | 1 10 | 14 46 | 5 19 | 6 32 | 3 20 | 7 51 | 1 20 | 21 12 | 0 30 | 19 7 | 0 1 | 20 56 | 0 49 | 7 39 | 12 36 | 18 6 | 17 44 | 20 29 | | | n.a. |
| S 19 | 23 38 | 9 17 | 1 56 | 17 58 | 1 20 | 14 56 | 5 15 | 6 23 | 3 21 | 7 47 | 1 19 | 21 12 | 0 30 | 19 7 | 0 1 | 20 56 | 0 49 | 7 38 | 12 36 | 18 5 | 17 45 | 20 31 | | | n.a. |
| S 20 | 23 34 | 3 32 | 2 57 | 17 33 | 1 30 | 15 7 | 5 12 | 6 14 | 3 22 | 7 44 | 1 19 | 21 11 | 0 30 | 19 6 | 0 1 | 20 55 | 0 49 | 7 37 | 12 35 | 18 5 | 17 46 | 20 33 | | | n.a. |
| M21 | 23 30 | 2s11 | 3 48 | 17 8 | 1 39 | 15 18 | 5 8 | 6 6 | 3 23 | 7 40 | 1 19 | 21 11 | 0 30 | 19 6 | 0 1 | 20 55 | 0 48 | 7 37 | 12 35 | 18 4 | 17 46 | 20 35 | | | n.a. |
| T 22 | 23 25 | 7 43 | 4 28 | 16 44 | 1 49 | 15 30 | 5 4 | 5 58 | 3 24 | 7 36 | 1 19 | 21 11 | 0 30 | 19 6 | 0 1 | 20 55 | 0 48 | 7 36 | 12 34 | 18 4 | 17 47 | 20 37 | | | n.a. |
| W23 | 23 19 | 12 54 | 4 56 | 16 20 | 1 59 | 15 42 | 5 0 | 5 50 | 3 24 | 7 32 | 1 18 | 21 10 | 0 29 | 19 5 | 0 1 | 20 55 | 0 48 | 7 35 | 12 34 | 18 4 | 17 48 | 20 40 | | | n.a. |
| T 24 | 23 14 | 17 33 | 5 11 | 15 56 | 2 9 | 15 54 | 4 56 | 5 42 | 3 25 | 7 28 | 1 18 | 21 10 | 0 29 | 19 5 | 0 1 | 20 55 | 0 48 | 7 35 | 12 33 | 18 5 | 17 49 | 20 42 | | | n.a. |
| F 25 | 23 7 | 21 32 | 5 12 | 15 34 | 2 19 | 16 6 | 4 51 | 5 34 | 3 26 | 7 24 | 1 18 | 21 9 | 0 29 | 19 5 | 0 1 | 20 55 | 0 48 | 7 34 | 12 33 | 18 6 | 17 50 | 20 44 | | | n.a. |
| S 26 | 23 1 | 24 40 | 5 0 | 15 12 | 2 28 | 16 19 | 4 47 | 5 27 | 3 27 | 7 20 | 1 18 | 21 9 | 0 29 | 19 4 | 0 1 | 20 54 | 0 48 | 7 33 | 12 32 | 18 6 | 17 51 | 20 46 | | | n.a. |
| S 27 | 22 54 | 26 43 | 4 35 | 14 51 | 2 38 | 16 31 | 4 43 | 5 20 | 3 27 | 7 16 | 1 17 | 21 8 | 0 29 | 19 4 | 0 1 | 20 54 | 0 48 | 7 33 | 12 32 | 18 8 | 17 52 | 20 48 | | | n.a. |
| M28 | 22 46 | 27 32 | 3 57 | 14 31 | 2 47 | 16 44 | 4 38 | 5 13 | 3 28 | 7 12 | 1 17 | 21 8 | 0 29 | 19 4 | 0 1 | 20 54 | 0 48 | 7 32 | 12 31 | 18 9 | 17 53 | 20 50 | | | n.a. |
| T 29 | 22 38 | 27 0 | 3 7 | 14 13 | 2 56 | 16 57 | 4 33 | 5 6 | 3 29 | 7 8 | 1 17 | 21 8 | 0 29 | 19 4 | 0 1 | 20 54 | 0 48 | 7 31 | 12 31 | 18 9 | 17 53 | 20 52 | | | n.a. |
| W30 | 22 30 | 25 3 | 2 7 | 13 56 | 3 5 | 17 10 | 4 28 | 4 59 | 3 29 | 7 4 | 1 17 | 21 7 | 0 29 | 19 3 | 0 1 | 20 54 | 0 48 | 7 30 | 12 30 | 18 10 | 17 54 | 20 54 | | | n.a. |
| T 31 | 22n22 | 21s48 | 1s 0 | 13n41 | 3s14 | 17n23 | 4s23 | 4s53 | 3s30 | 7n 0 | 1n17 | 21s 7 | 0n28 | 19s 3 | 0s 1 | 20s54 | 0n48 | 7n30 | 12n30 | 18s10 | 17s55 | 20s56 | | | n.a. |

Julian Day Number = 1006810.5, Delta T = 12h44m41s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'56, Lahiri = -30°55'56 Julian Calendar 1 July 1957 BCE == Greg. Calendar 14 June 1957 BCE

The year -1956 astronomical counting style corresponds to year 1957 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## AUGUST 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 33 1 | 21♋13'43 | 11♒46 | 14♌59 | 6♊34 | 26♓ 7 | 15♍40 | 5°R 5 | 23°R30 | 5°R39 | 9♎49 | 9°D42 | 10♒35 | 13♏ 8 | n.a. | F 1 |
| S 2 | 19 36 58 | 22°12'21 | 25° 2 | 15°12 | 7°22 | 26°23 | 15°50 | 5♐ 3 | 23♏29 | 5♐38 | 9°50 | 9♒43 | 10°32 | 13°14 | n.a. | S 2 |
| S 3 | 19 40 54 | 23°11'02 | 8♓30 | 15°20 | 8°10 | 26°38 | 16° 0 | 5° 0 | 23°28 | 5°37 | 9°51 | 9°44 | 10°29 | 13°21 | n.a. | S 3 |
| M 4 | 19 44 51 | 24° 9'44 | 22°10 | 15°R22 | 9° 0 | 26°53 | 16°11 | 4°58 | 23°28 | 5°36 | 9°52 | 9°45 | 10°25 | 13°28 | n.a. | M 4 |
| T 5 | 19 48 47 | 25° 8'29 | 6♈ 1 | 15°17 | 9°50 | 27° 7 | 16°21 | 4°56 | 23°27 | 5°35 | 9°53 | 9°46 | 10°22 | 13°35 | n.a. | T 5 |
| W 6 | 19 52 44 | 26° 7'16 | 20° 3 | 15° 5 | 10°41 | 27°20 | 16°32 | 4°54 | 23°26 | 5°34 | 9°54 | 9°R47 | 10°19 | 13°41 | n.a. | W 6 |
| T 7 | 19 56 40 | 27° 6'06 | 4♉13 | 14°46 | 11°32 | 27°33 | 16°43 | 4°52 | 23°25 | 5°33 | 9°55 | 9°47 | 10°16 | 13°48 | n.a. | T 7 |
| F 8 | 20 0 37 | 28° 4'59 | 18°30 | 14°20 | 12°24 | 27°44 | 16°53 | 4°51 | 23°25 | 5°33 | 9°56 | 9°46 | 10°13 | 13°55 | n.a. | F 8 |
| S 9 | 20 4 33 | 29° 3'54 | 2♊52 | 13°47 | 13°17 | 27°56 | 17° 4 | 4°49 | 23°24 | 5°32 | 9°57 | 9°45 | 10°10 | 14° 1 | n.a. | S 9 |
| S 10 | 20 8 30 | 0♌ 2'51 | 17°13 | 13° 7 | 14°11 | 28° 6 | 17°15 | 4°47 | 23°24 | 5°31 | 9°58 | 9°44 | 10° 6 | 14° 8 | n.a. | S 10 |
| M11 | 20 12 26 | 1° 1'51 | 1♋30 | 12°20 | 15° 5 | 28°16 | 17°26 | 4°46 | 23°23 | 5°30 | 9°59 | 9°43 | 10° 3 | 14°15 | n.a. | M11 |
| T 12 | 20 16 23 | 2° 0'54 | 15°39 | 11°27 | 16° 0 | 28°24 | 17°37 | 4°44 | 23°23 | 5°29 | 10° 0 | 9°42 | 10° 0 | 14°22 | n.a. | T 12 |
| W13 | 20 20 20 | 2°59'58 | 29°35 | 10°28 | 16°55 | 28°32 | 17°48 | 4°43 | 23°23 | 5°29 | 10° 1 | 9°42 | 9°57 | 14°28 | n.a. | W13 |
| T 14 | 20 24 16 | 3°59'05 | 13♌14 | 9°25 | 17°51 | 28°40 | 18° 0 | 4°42 | 23°22 | 5°28 | 10° 3 | 9°D42 | 9°54 | 14°35 | n.a. | T 14 |
| F 15 | 20 28 13 | 4°58'14 | 26°35 | 8°19 | 18°48 | 28°46 | 18°11 | 4°41 | 23°22 | 5°28 | 10° 4 | 9°42 | 9°50 | 14°42 | n.a. | F 15 |
| S 16 | 20 32 9 | 5°57'25 | 9♍35 | 7°11 | 19°45 | 28°52 | 18°22 | 4°40 | 23°22 | 5°27 | 10° 5 | 9°42 | 9°47 | 14°48 | n.a. | S 16 |
| S 17 | 20 36 6 | 6°56'38 | 22°17 | 6° 3 | 20°42 | 28°57 | 18°34 | 4°39 | 23°22 | 5°26 | 10° 6 | 9°43 | 9°44 | 14°55 | n.a. | S 17 |
| M18 | 20 40 2 | 7°55'53 | 4♎42 | 4°57 | 21°40 | 29° 1 | 18°45 | 4°38 | 23°22 | 5°26 | 10° 8 | 9°43 | 9°41 | 15° 2 | n.a. | M18 |
| T 19 | 20 43 59 | 8°55'10 | 16°53 | 3°54 | 22°39 | 29° 4 | 18°57 | 4°37 | 23°21 | 5°25 | 10° 9 | 9°43 | 9°38 | 15° 9 | n.a. | T 19 |
| W20 | 20 47 55 | 9°54'29 | 28°53 | 2°57 | 23°38 | 29° 6 | 19° 9 | 4°36 | 23°D21 | 5°25 | 10°11 | 9°R43 | 9°35 | 15°15 | n.a. | W20 |
| T 21 | 20 51 52 | 10°53'50 | 10♏47 | 2° 7 | 24°37 | 29° 8 | 19°20 | 4°36 | 23°22 | 5°24 | 10°12 | 9°D43 | 9°31 | 15°22 | n.a. | T 21 |
| F 22 | 20 55 48 | 11°53'13 | 22°40 | 1°25 | 25°37 | 29°R 8 | 19°32 | 4°35 | 23°22 | 5°24 | 10°13 | 9°43 | 9°28 | 15°29 | n.a. | F 22 |
| S 23 | 20 59 45 | 12°52'38 | 4♐37 | 0°52 | 26°37 | 29° 8 | 19°44 | 4°35 | 23°22 | 5°24 | 10°15 | 9°43 | 9°25 | 15°36 | n.a. | S 23 |
| S 24 | 21 3 42 | 13°52'05 | 16°41 | 0°29 | 27°38 | 29° 7 | 19°56 | 4°35 | 23°22 | 5°23 | 10°16 | 9°44 | 9°22 | 15°42 | n.a. | S 24 |
| M25 | 21 7 38 | 14°51'34 | 28°57 | 0°17 | 28°39 | 29° 5 | 20° 8 | 4°35 | 23°22 | 5°23 | 10°18 | 9°44 | 9°19 | 15°49 | n.a. | M25 |
| T 26 | 21 11 35 | 15°51'05 | 11♑28 | 0°D16 | 29°40 | 29° 2 | 20°20 | 4°D35 | 23°23 | 5°23 | 10°20 | 9°45 | 9°16 | 15°56 | n.a. | T 26 |
| W27 | 21 15 31 | 16°50'38 | 24°16 | 0°26 | 0♋42 | 28°58 | 20°32 | 4°35 | 23°23 | 5°22 | 10°21 | 9°45 | 9°12 | 16° 2 | n.a. | W27 |
| T 28 | 21 19 28 | 17°50'13 | 7♒23 | 0°46 | 1°44 | 28°54 | 20°45 | 4°35 | 23°23 | 5°22 | 10°23 | 9°R45 | 9° 9 | 16° 9 | n.a. | T 28 |
| F 29 | 21 23 24 | 18°49'51 | 20°47 | 1°16 | 2°47 | 28°48 | 20°57 | 4°35 | 23°24 | 5°22 | 10°24 | 9°45 | 9° 6 | 16°16 | n.a. | F 29 |
| S 30 | 21 27 21 | 19°49'30 | 4♓29 | 1°56 | 3°50 | 28°42 | 21° 9 | 4°36 | 23°24 | 5°22 | 10°26 | 9°45 | 9° 3 | 16°23 | n.a. | S 30 |
| S 31 | 21 31 17 | 20♌49'12 | 18♓25 | 2♌44 | 4♋53 | 28♓34 | 21♍21 | 4♐36 | 23♏25 | 5♐22 | 10♎28 | 9♒44 | 9♒ 0 | 16♏29 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n12 | 17s25 | 0n11 | 13n28 | 3s22 | 17n36 | 4s18 | 4s47 | 3s31 | 6n56 | 1n16 | 21s 7 | 0n28 | 19s 3 | 0s 1 | 20s53 | 0n48 | 7n29 | 12n29 | 18s11 | 17s56 | 20s59 | | n.a. | F 1 |
| S 2 | 22 3 | 12 8 | 1 24 | 13 16 | 3 29 | 17 49 | 4 13 | 4 41 | 3 31 | 6 52 | 1 16 | 21 6 | 0 28 | 19 3 | 0 1 | 20 53 | 0 48 | 7 28 | 12 29 | 18 10 | 17 57 | 21 1 | | n.a. | S 2 |
| S 3 | 21 53 | 6 12 | 2 32 | 13 7 | 3 36 | 18 2 | 4 8 | 4 35 | 3 32 | 6 47 | 1 16 | 21 6 | 0 28 | 19 2 | 0 1 | 20 53 | 0 48 | 7 27 | 12 28 | 18 10 | 17 58 | 21 3 | | n.a. | S 3 |
| M 4 | 21 43 | 0n 5 | 3 33 | 13 1 | 3 42 | 18 15 | 4 3 | 4 30 | 3 32 | 6 43 | 1 16 | 21 6 | 0 28 | 19 2 | 0 1 | 20 53 | 0 48 | 7 26 | 12 28 | 18 10 | 17 59 | 21 5 | | n.a. | M 4 |
| T 5 | 21 32 | 6 27 | 4 23 | 12 57 | 3 48 | 18 27 | 3 58 | 4 25 | 3 33 | 6 39 | 1 16 | 21 6 | 0 28 | 19 2 | 0 1 | 20 53 | 0 48 | 7 26 | 12 27 | 18 10 | 18 0 | 21 7 | | n.a. | T 5 |
| W 6 | 21 21 | 12 34 | 4 58 | 12 57 | 3 52 | 18 40 | 3 52 | 4 20 | 3 33 | 6 34 | 1 15 | 21 5 | 0 28 | 19 2 | 0 1 | 20 53 | 0 48 | 7 25 | 12 27 | 18 9 | 18 1 | 21 9 | | n.a. | W 6 |
| T 7 | 21 10 | 18 6 | 5 15 | 12 59 | 3 55 | 18 52 | 3 47 | 4 15 | 3 34 | 6 30 | 1 15 | 21 5 | 0 28 | 19 2 | 0 2 | 20 53 | 0 48 | 7 24 | 12 27 | 18 9 | 18 1 | 21 11 | | n.a. | T 7 |
| F 8 | 20 58 | 22 40 | 5 12 | 13 5 | 3 57 | 19 5 | 3 42 | 4 11 | 3 34 | 6 25 | 1 15 | 21 5 | 0 27 | 19 2 | 0 2 | 20 52 | 0 48 | 7 23 | 12 26 | 18 10 | 18 2 | 21 13 | | n.a. | F 8 |
| S 9 | 20 45 | 25 54 | 4 51 | 13 14 | 3 57 | 19 17 | 3 36 | 4 7 | 3 35 | 6 21 | 1 15 | 21 5 | 0 27 | 19 1 | 0 2 | 20 52 | 0 48 | 7 22 | 12 26 | 18 10 | 18 3 | 21 15 | | n.a. | S 9 |
| S 10 | 20 33 | 27 27 | 4 11 | 13 27 | 3 56 | 19 29 | 3 31 | 4 3 | 3 35 | 6 16 | 1 15 | 21 5 | 0 27 | 19 1 | 0 2 | 20 52 | 0 48 | 7 21 | 12 25 | 18 10 | 18 4 | 21 17 | | n.a. | S 10 |
| M11 | 20 20 | 27 11 | 3 16 | 13 43 | 3 53 | 19 40 | 3 25 | 4 0 | 3 36 | 6 12 | 1 14 | 21 4 | 0 27 | 19 1 | 0 2 | 20 52 | 0 48 | 7 21 | 12 25 | 18 10 | 18 5 | 21 19 | | n.a. | M11 |
| T 12 | 20 7 | 25 7 | 2 9 | 14 3 | 3 48 | 19 52 | 3 20 | 3 56 | 3 36 | 6 7 | 1 14 | 21 4 | 0 27 | 19 1 | 0 2 | 20 52 | 0 48 | 7 20 | 12 24 | 18 11 | 18 6 | 21 21 | | n.a. | T 12 |
| W13 | 19 53 | 21 33 | 0 56 | 14 25 | 3 41 | 20 3 | 3 14 | 3 53 | 3 36 | 6 3 | 1 14 | 21 4 | 0 27 | 19 1 | 0 2 | 20 52 | 0 48 | 7 19 | 12 24 | 18 11 | 18 7 | 21 23 | | n.a. | W13 |
| T 14 | 19 39 | 16 52 | 0s20 | 14 51 | 3 32 | 20 14 | 3 8 | 3 51 | 3 37 | 5 58 | 1 14 | 21 4 | 0 27 | 19 1 | 0 2 | 20 52 | 0 48 | 7 18 | 12 23 | 18 11 | 18 8 | 21 25 | | n.a. | T 14 |
| F 15 | 19 24 | 11 28 | 1 32 | 15 19 | 3 21 | 20 24 | 3 3 | 3 48 | 3 37 | 5 53 | 1 14 | 21 4 | 0 27 | 19 1 | 0 2 | 20 52 | 0 48 | 7 17 | 12 23 | 18 11 | 18 8 | 21 27 | | n.a. | F 15 |
| S 16 | 19 10 | 5 42 | 2 38 | 15 49 | 3 8 | 20 34 | 2 57 | 3 46 | 3 37 | 5 49 | 1 13 | 21 4 | 0 26 | 19 1 | 0 2 | 20 52 | 0 48 | 7 16 | 12 22 | 18 11 | 18 9 | 21 29 | | n.a. | S 16 |
| S 17 | 18 55 | 0s 9 | 3 35 | 16 20 | 2 53 | 20 44 | 2 52 | 3 44 | 3 37 | 5 44 | 1 13 | 21 4 | 0 26 | 19 1 | 0 2 | 20 52 | 0 48 | 7 15 | 12 22 | 18 11 | 18 10 | 21 31 | | n.a. | S 17 |
| M18 | 18 39 | 5 52 | 4 20 | 16 53 | 2 37 | 20 54 | 2 46 | 3 43 | 3 37 | 5 39 | 1 13 | 21 4 | 0 26 | 19 1 | 0 2 | 20 52 | 0 48 | 7 14 | 12 21 | 18 10 | 18 11 | 21 33 | | n.a. | M18 |
| T 19 | 18 23 | 11 14 | 4 52 | 17 25 | 2 19 | 21 3 | 2 40 | 3 42 | 3 37 | 5 34 | 1 13 | 21 4 | 0 26 | 19 1 | 0 2 | 20 52 | 0 48 | 7 13 | 12 21 | 18 10 | 18 12 | 21 35 | | n.a. | T 19 |
| W20 | 18 7 | 16 7 | 5 11 | 17 57 | 2 0 | 21 11 | 2 35 | 3 41 | 3 37 | 5 30 | 1 13 | 21 4 | 0 26 | 19 1 | 0 2 | 20 51 | 0 47 | 7 12 | 12 21 | 18 10 | 18 13 | 21 37 | | n.a. | W20 |
| T 21 | 17 51 | 20 22 | 5 17 | 18 27 | 1 41 | 21 20 | 2 29 | 3 40 | 3 37 | 5 25 | 1 13 | 21 4 | 0 26 | 19 1 | 0 2 | 20 51 | 0 47 | 7 11 | 12 20 | 18 10 | 18 14 | 21 39 | | n.a. | T 21 |
| F 22 | 17 34 | 23 47 | 5 9 | 18 56 | 1 21 | 21 28 | 2 23 | 3 40 | 3 37 | 5 20 | 1 12 | 21 4 | 0 26 | 19 1 | 0 2 | 20 51 | 0 47 | 7 10 | 12 20 | 18 10 | 18 14 | 21 41 | | n.a. | F 22 |
| S 23 | 17 17 | 26 12 | 4 48 | 19 22 | 1 1 | 21 35 | 2 18 | 3 40 | 3 37 | 5 15 | 1 12 | 21 4 | 0 26 | 19 1 | 0 2 | 20 51 | 0 47 | 7 9 | 12 19 | 18 10 | 18 15 | 21 43 | | n.a. | S 23 |
| S 24 | 17 0 | 27 26 | 4 13 | 19 46 | 0 42 | 21 42 | 2 12 | 3 40 | 3 37 | 5 10 | 1 12 | 21 4 | 0 25 | 19 1 | 0 2 | 20 51 | 0 47 | 7 8 | 12 19 | 18 10 | 18 16 | 21 45 | | n.a. | S 24 |
| M25 | 16 42 | 27 22 | 3 27 | 20 7 | 0 23 | 21 48 | 2 6 | 3 41 | 3 37 | 5 5 | 1 12 | 21 4 | 0 25 | 19 1 | 0 2 | 20 51 | 0 47 | 7 7 | 12 18 | 18 10 | 18 17 | 21 47 | | n.a. | M25 |
| T 26 | 16 24 | 25 55 | 2 30 | 20 25 | 0 5 | 21 54 | 2 1 | 3 41 | 3 37 | 5 0 | 1 12 | 21 4 | 0 25 | 19 1 | 0 2 | 20 51 | 0 47 | 7 6 | 12 18 | 18 10 | 18 18 | 21 49 | | n.a. | T 26 |
| W27 | 16 6 | 23 5 | 1 25 | 20 40 | 0n12 | 22 0 | 1 55 | 3 43 | 3 36 | 4 55 | 1 12 | 21 4 | 0 25 | 19 1 | 0 2 | 20 51 | 0 47 | 7 5 | 12 18 | 18 10 | 18 19 | 21 51 | | n.a. | W27 |
| T 28 | 15 48 | 19 1 | 0 13 | 20 51 | 0 28 | 22 5 | 1 50 | 3 44 | 3 36 | 4 50 | 1 12 | 21 5 | 0 25 | 19 1 | 0 2 | 20 51 | 0 47 | 7 4 | 12 17 | 18 10 | 18 20 | 21 53 | | n.a. | T 28 |
| F 29 | 15 29 | 13 54 | 1n 1 | 20 58 | 0 43 | 22 9 | 1 44 | 3 46 | 3 35 | 4 45 | 1 11 | 21 5 | 0 25 | 19 1 | 0 2 | 20 51 | 0 47 | 7 3 | 12 17 | 18 10 | 18 20 | 21 55 | | n.a. | F 29 |
| S 30 | 15 10 | 8 0 | 2 13 | 21 2 | 0 56 | 22 13 | 1 39 | 3 48 | 3 35 | 4 40 | 1 11 | 21 5 | 0 25 | 19 2 | 0 2 | 20 51 | 0 47 | 7 2 | 12 16 | 18 10 | 18 21 | 21 57 | | n.a. | S 30 |
| S 31 | 14n51 | 1s39 | 3n18 | 21n 3 | 1n 8 | 22n17 | 1s33 | 3s50 | 3s34 | 4n35 | 1n11 | 21s 5 | 0n24 | 19s 2 | 0s 2 | 20s51 | 0n47 | 7n 1 | 12n16 | 18s10 | 18s22 | 21s58 | | n.a. | S 31 |

Julian Day Number = 1006841.5, Delta T = 12h44m39s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'52, Lahiri = -30°55'51 Julian Calendar 1 Aug. 1957 BCE == Greg. Calendar 15 July 1957 BCE

The year -1956 astronomical counting style corresponds to year 1957 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## SEPTEMBER 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 35 14 | 21♌48'55 | 2♈32 | 3♌39 | 5♋56 | 28°R26 | 21♍34 | 4♐37 | 23♏25 | 5°R22 | 10♎29 | 9°R42 | 8♒56 | 16♏36 | n.a. | M 1 |
| T 2 | 21 39 10 | 22°48'42 | 16°45 | 4°42 | 7° 0 | 28♓17 | 21°46 | 4°37 | 23°26 | 5♐21 | 10°31 | 9♒40 | 8°53 | 16°43 | n.a. | T 2 |
| W 3 | 21 43 7 | 23°48'31 | 1♉ 1 | 5°51 | 8° 4 | 28° 7 | 21°59 | 4°38 | 23°27 | 5°D21 | 10°33 | 9°39 | 8°50 | 16°50 | n.a. | W 3 |
| T 4 | 21 47 4 | 24°48'22 | 15°17 | 7° 6 | 9° 9 | 27°56 | 22°11 | 4°39 | 23°28 | 5°21 | 10°35 | 9°38 | 8°47 | 16°56 | n.a. | T 4 |
| F 5 | 21 51 0 | 25°48'16 | 29°29 | 8°25 | 10°14 | 27°45 | 22°24 | 4°40 | 23°28 | 5°21 | 10°37 | 9°D38 | 8°44 | 17° 3 | n.a. | F 5 |
| S 6 | 21 54 57 | 26°48'12 | 13♊36 | 9°49 | 11°19 | 27°32 | 22°37 | 4°41 | 23°29 | 5°22 | 10°38 | 9°39 | 8°41 | 17°10 | n.a. | S 6 |
| S 7 | 21 58 53 | 27°48'10 | 27°35 | 11°16 | 12°24 | 27°19 | 22°49 | 4°42 | 23°30 | 5°22 | 10°40 | 9°40 | 8°37 | 17°16 | n.a. | S 7 |
| M 8 | 22 2 50 | 28°48'12 | 11♋25 | 12°45 | 13°30 | 27° 5 | 23° 2 | 4°44 | 23°31 | 5°22 | 10°42 | 9°41 | 8°34 | 17°23 | n.a. | M 8 |
| T 9 | 22 6 46 | 29°48'15 | 25° 6 | 14°18 | 14°36 | 26°50 | 23°15 | 4°45 | 23°32 | 5°22 | 10°44 | 9°42 | 8°31 | 17°30 | n.a. | T 9 |
| W10 | 22 10 43 | 0♍48'20 | 8♌34 | 15°52 | 15°42 | 26°34 | 23°28 | 4°46 | 23°33 | 5°22 | 10°46 | 9°R43 | 8°28 | 17°37 | n.a. | W10 |
| T 11 | 22 14 39 | 1°48'28 | 21°51 | 17°27 | 16°49 | 26°18 | 23°41 | 4°48 | 23°34 | 5°22 | 10°48 | 9°42 | 8°25 | 17°43 | n.a. | T 11 |
| F 12 | 22 18 36 | 2°48'38 | 4♍53 | 19° 4 | 17°56 | 26° 1 | 23°54 | 4°50 | 23°36 | 5°23 | 10°50 | 9°41 | 8°22 | 17°50 | n.a. | F 12 |
| S 13 | 22 22 33 | 3°48'49 | 17°42 | 20°42 | 19° 3 | 25°43 | 24° 7 | 4°51 | 23°37 | 5°23 | 10°52 | 9°38 | 8°18 | 17°57 | n.a. | S 13 |
| S 14 | 22 26 29 | 4°49'03 | 0♎16 | 22°21 | 20°10 | 25°25 | 24°20 | 4°53 | 23°38 | 5°23 | 10°54 | 9°34 | 8°15 | 18° 3 | n.a. | S 14 |
| M15 | 22 30 26 | 5°49'19 | 12°37 | 24° 0 | 21°17 | 25° 6 | 24°33 | 4°55 | 23°39 | 5°24 | 10°56 | 9°29 | 8°12 | 18°10 | n.a. | M15 |
| T 16 | 22 34 22 | 6°49'36 | 24°46 | 25°39 | 22°25 | 24°46 | 24°46 | 4°57 | 23°41 | 5°24 | 10°58 | 9°25 | 8° 9 | 18°17 | n.a. | T 16 |
| W17 | 22 38 19 | 7°49'55 | 6♏45 | 27°19 | 23°33 | 24°26 | 24°59 | 5° 0 | 23°42 | 5°25 | 11° 0 | 9°21 | 8° 6 | 18°24 | n.a. | W17 |
| T 18 | 22 42 15 | 8°50'16 | 18°39 | 28°58 | 24°41 | 24° 6 | 25°12 | 5° 2 | 23°44 | 5°25 | 11° 2 | 9°17 | 8° 2 | 18°30 | n.a. | T 18 |
| F 19 | 22 46 12 | 9°50'38 | 0♐31 | 0♍38 | 25°49 | 23°45 | 25°25 | 5° 4 | 23°45 | 5°26 | 11° 4 | 9°16 | 7°59 | 18°37 | n.a. | F 19 |
| S 20 | 22 50 8 | 10°51'03 | 12°25 | 2°18 | 26°57 | 23°23 | 25°38 | 5° 7 | 23°47 | 5°26 | 11° 6 | 9°D15 | 7°56 | 18°44 | n.a. | S 20 |
| S 21 | 22 54 5 | 11°51'28 | 24°27 | 3°57 | 28° 6 | 23° 2 | 25°51 | 5° 9 | 23°48 | 5°27 | 11° 8 | 9°16 | 7°53 | 18°51 | n.a. | S 21 |
| M22 | 22 58 1 | 12°51'56 | 6♑41 | 5°36 | 29°15 | 22°40 | 26° 5 | 5°12 | 23°50 | 5°27 | 11°10 | 9°17 | 7°50 | 18°57 | n.a. | M22 |
| T 23 | 23 1 58 | 13°52'25 | 19°12 | 7°15 | 0♌24 | 22°18 | 26°18 | 5°15 | 23°52 | 5°28 | 11°13 | 9°19 | 7°47 | 19° 4 | n.a. | T 23 |
| W24 | 23 5 55 | 14°52'56 | 2♒ 5 | 8°54 | 1°33 | 21°56 | 26°31 | 5°18 | 23°53 | 5°29 | 11°15 | 9°20 | 7°43 | 19°11 | n.a. | W24 |
| T 25 | 23 9 51 | 15°53'28 | 15°21 | 10°32 | 2°42 | 21°33 | 26°44 | 5°20 | 23°55 | 5°29 | 11°17 | 9°R20 | 7°40 | 19°17 | n.a. | T 25 |
| F 26 | 23 13 48 | 16°54'01 | 29° 1 | 12°10 | 3°52 | 21°11 | 26°58 | 5°23 | 23°57 | 5°30 | 11°19 | 9°19 | 7°37 | 19°24 | n.a. | F 26 |
| S 27 | 23 17 44 | 17°54'36 | 13♓ 5 | 13°48 | 5° 2 | 20°48 | 27°11 | 5°27 | 23°59 | 5°31 | 11°21 | 9°15 | 7°34 | 19°31 | n.a. | S 27 |
| S 28 | 23 21 41 | 18°55'13 | 27°28 | 15°25 | 6°12 | 20°26 | 27°24 | 5°30 | 24° 1 | 5°32 | 11°24 | 9°10 | 7°31 | 19°38 | n.a. | S 28 |
| M29 | 23 25 37 | 19°55'52 | 12♈ 5 | 17° 3 | 7°22 | 20° 3 | 27°38 | 5°33 | 24° 3 | 5°33 | 11°26 | 9° 4 | 7°27 | 19°44 | n.a. | M29 |
| T 30 | 23 29 34 | 20♍56'32 | 26♈48 | 18♍39 | 8♌32 | 19♓41 | 27♍51 | 5♐36 | 24♏ 5 | 5♐34 | 11♎28 | 8♒57 | 7♒24 | 19♏51 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14n31 | 4n52 | 4n12 | 21n 0 | 1n18 | 22n20 | 1s28 | 3s53 | 3s33 | 4n30 | 1n11 | 21s 5 | 0n24 | 19s 2 | 0s 2 | 20s51 | 0n47 | 7n 0 | 12n16 | 18s11 | 18s23 | 22s 0 | | n.a. |
| T 2 | 14 11 | 11 10 | 4 51 | 20 53 | 1 28 | 22 22 | 1 22 | 3 56 | 3 33 | 4 24 | 1 11 | 21 6 | 0 24 | 19 2 | 0 2 | 20 51 | 0 47 | 6 59 | 12 15 | 18 11 | 18 24 | 22 2 | | n.a. |
| W 3 | 13 51 | 16 55 | 5 12 | 20 44 | 1 36 | 22 23 | 1 17 | 3 59 | 3 32 | 4 19 | 1 11 | 21 6 | 0 24 | 19 2 | 0 2 | 20 51 | 0 47 | 6 58 | 12 15 | 18 11 | 18 25 | 22 4 | | n.a. |
| T 4 | 13 31 | 21 44 | 5 14 | 20 31 | 1 42 | 22 25 | 1 12 | 4 3 | 3 31 | 4 14 | 1 11 | 21 6 | 0 24 | 19 2 | 0 2 | 20 51 | 0 47 | 6 57 | 12 14 | 18 12 | 18 26 | 22 6 | | n.a. |
| F 5 | 13 10 | 25 16 | 4 57 | 20 15 | 1 48 | 22 25 | 1 6 | 4 7 | 3 30 | 4 9 | 1 10 | 21 7 | 0 24 | 19 3 | 0 2 | 20 52 | 0 47 | 6 56 | 12 14 | 18 12 | 18 26 | 22 8 | | n.a. |
| S 6 | 12 50 | 27 13 | 4 22 | 19 57 | 1 52 | 22 25 | 1 1 | 4 11 | 3 29 | 4 4 | 1 10 | 21 7 | 0 24 | 19 3 | 0 2 | 20 52 | 0 47 | 6 55 | 12 14 | 18 12 | 18 27 | 22 10 | | n.a. |
| S 7 | 12 29 | 27 26 | 3 32 | 19 36 | 1 56 | 22 24 | 0 56 | 4 15 | 3 28 | 3 58 | 1 10 | 21 7 | 0 24 | 19 3 | 0 2 | 20 52 | 0 47 | 6 54 | 12 13 | 18 11 | 18 28 | 22 12 | | n.a. |
| M 8 | 12 7 | 25 54 | 2 30 | 19 12 | 1 58 | 22 23 | 0 51 | 4 20 | 3 26 | 3 53 | 1 10 | 21 8 | 0 23 | 19 3 | 0 2 | 20 52 | 0 47 | 6 53 | 12 13 | 18 11 | 18 29 | 22 14 | | n.a. |
| T 9 | 11 46 | 22 51 | 1 20 | 18 47 | 2 0 | 22 21 | 0 46 | 4 24 | 3 25 | 3 48 | 1 10 | 21 8 | 0 23 | 19 4 | 0 2 | 20 52 | 0 47 | 6 52 | 12 13 | 18 11 | 18 30 | 22 15 | | n.a. |
| W10 | 11 24 | 18 35 | 0 6 | 18 19 | 2 1 | 22 18 | 0 41 | 4 30 | 3 24 | 3 43 | 1 10 | 21 8 | 0 23 | 19 4 | 0 2 | 20 52 | 0 47 | 6 51 | 12 12 | 18 10 | 18 31 | 22 17 | | n.a. |
| T 11 | 11 3 | 13 28 | 1s 6 | 17 49 | 2 1 | 22 15 | 0 36 | 4 35 | 3 22 | 3 37 | 1 10 | 21 9 | 0 23 | 19 4 | 0 2 | 20 52 | 0 47 | 6 50 | 12 12 | 18 11 | 18 32 | 22 19 | | n.a. |
| F 12 | 10 41 | 7 50 | 2 14 | 17 18 | 2 0 | 22 11 | 0 31 | 4 40 | 3 20 | 3 32 | 1 10 | 21 9 | 0 23 | 19 5 | 0 2 | 20 52 | 0 47 | 6 49 | 12 12 | 18 11 | 18 32 | 22 21 | | n.a. |
| S 13 | 10 18 | 2 0 | 3 14 | 16 45 | 1 59 | 22 7 | 0 26 | 4 46 | 3 19 | 3 27 | 1 10 | 21 10 | 0 23 | 19 5 | 0 2 | 20 52 | 0 47 | 6 48 | 12 11 | 18 12 | 18 33 | 22 23 | | n.a. |
| S 14 | 9 56 | 3s48 | 4 3 | 16 11 | 1 57 | 22 2 | 0 21 | 4 52 | 3 17 | 3 21 | 1 9 | 21 10 | 0 23 | 19 5 | 0 2 | 20 52 | 0 47 | 6 47 | 12 11 | 18 13 | 18 34 | 22 25 | | n.a. |
| M15 | 9 34 | 9 21 | 4 39 | 15 35 | 1 54 | 21 56 | 0 16 | 4 58 | 3 15 | 3 16 | 1 9 | 21 11 | 0 23 | 19 6 | 0 2 | 20 52 | 0 46 | 6 46 | 12 11 | 18 14 | 18 35 | 22 26 | | n.a. |
| T 16 | 9 11 | 14 27 | 5 3 | 14 58 | 1 51 | 21 50 | 0 11 | 5 4 | 3 13 | 3 11 | 1 9 | 21 11 | 0 22 | 19 6 | 0 2 | 20 52 | 0 46 | 6 44 | 12 10 | 18 15 | 18 36 | 22 28 | | n.a. |
| W17 | 8 48 | 18 56 | 5 12 | 14 20 | 1 48 | 21 43 | 0 7 | 5 10 | 3 11 | 3 5 | 1 9 | 21 12 | 0 22 | 19 6 | 0 2 | 20 53 | 0 46 | 6 43 | 12 10 | 18 17 | 18 37 | 22 30 | | n.a. |
| T 18 | 8 25 | 22 39 | 5 8 | 13 41 | 1 44 | 21 35 | 0 2 | 5 16 | 3 9 | 3 0 | 1 9 | 21 12 | 0 22 | 19 7 | 0 2 | 20 53 | 0 46 | 6 42 | 12 10 | 18 17 | 18 37 | 22 32 | | n.a. |
| F 19 | 8 2 | 25 25 | 4 51 | 13 2 | 1 40 | 21 27 | 0n 2 | 5 23 | 3 7 | 2 54 | 1 9 | 21 13 | 0 22 | 19 7 | 0 2 | 20 53 | 0 46 | 6 41 | 12 10 | 18 18 | 18 38 | 22 34 | | n.a. |
| S 20 | 7 39 | 27 4 | 4 22 | 12 21 | 1 36 | 21 18 | 0 7 | 5 29 | 3 4 | 2 49 | 1 9 | 21 13 | 0 22 | 19 7 | 0 2 | 20 53 | 0 46 | 6 40 | 12 9 | 18 18 | 18 39 | 22 35 | | n.a. |
| S 21 | 7 15 | 27 29 | 3 41 | 11 40 | 1 31 | 21 8 | 0 11 | 5 36 | 3 2 | 2 44 | 1 9 | 21 14 | 0 22 | 19 8 | 0 2 | 20 53 | 0 46 | 6 39 | 12 9 | 18 18 | 18 40 | 22 37 | | n.a. |
| M22 | 6 52 | 26 33 | 2 49 | 10 59 | 1 26 | 20 58 | 0 15 | 5 42 | 2 59 | 2 38 | 1 9 | 21 14 | 0 22 | 19 8 | 0 2 | 20 53 | 0 46 | 6 38 | 12 9 | 18 17 | 18 41 | 22 39 | | n.a. |
| T 23 | 6 28 | 24 17 | 1 48 | 10 16 | 1 21 | 20 47 | 0 19 | 5 49 | 2 57 | 2 33 | 1 9 | 21 15 | 0 22 | 19 9 | 0 2 | 20 53 | 0 46 | 6 37 | 12 8 | 18 17 | 18 42 | 22 41 | | n.a. |
| W24 | 6 4 | 20 44 | 0 39 | 9 34 | 1 16 | 20 36 | 0 24 | 5 55 | 2 54 | 2 27 | 1 9 | 21 16 | 0 22 | 19 9 | 0 2 | 20 54 | 0 46 | 6 36 | 12 8 | 18 17 | 18 42 | 22 42 | | n.a. |
| T 25 | 5 40 | 16 2 | 0n33 | 8 51 | 1 10 | 20 24 | 0 28 | 6 2 | 2 51 | 2 22 | 1 8 | 21 16 | 0 21 | 19 10 | 0 2 | 20 54 | 0 46 | 6 35 | 12 8 | 18 17 | 18 43 | 22 44 | | n.a. |
| F 26 | 5 16 | 10 25 | 1 45 | 8 7 | 1 5 | 20 11 | 0 32 | 6 8 | 2 49 | 2 16 | 1 8 | 21 17 | 0 21 | 19 10 | 0 2 | 20 54 | 0 46 | 6 34 | 12 8 | 18 17 | 18 44 | 22 46 | | n.a. |
| S 27 | 4 52 | 4 7 | 2 53 | 7 24 | 0 59 | 19 58 | 0 35 | 6 15 | 2 46 | 2 11 | 1 8 | 21 18 | 0 21 | 19 11 | 0 2 | 20 54 | 0 46 | 6 32 | 12 7 | 18 18 | 18 45 | 22 48 | | n.a. |
| S 28 | 4 28 | 2n30 | 3 51 | 6 40 | 0 53 | 19 44 | 0 39 | 6 21 | 2 43 | 2 5 | 1 8 | 21 18 | 0 21 | 19 11 | 0 2 | 20 54 | 0 46 | 6 31 | 12 7 | 18 19 | 18 46 | 22 49 | | n.a. |
| M29 | 4 4 | 9 5 | 4 35 | 5 56 | 0 47 | 19 30 | 0 43 | 6 27 | 2 40 | 2 0 | 1 8 | 21 19 | 0 21 | 19 12 | 0 2 | 20 54 | 0 46 | 6 30 | 12 7 | 18 21 | 18 47 | 22 51 | | n.a. |
| T 30 | 3n40 | 15n12 | 5n 2 | 5n11 | 0n40 | 19n14 | 0n47 | 6s34 | 2s37 | 1n54 | 1n 8 | 21s20 | 0n21 | 19s12 | 0s 2 | 20s55 | 0n46 | 6n29 | 12n 7 | 18s23 | 18s47 | 22s53 | | n.a. |

Julian Day Number = 1006872.5, Delta T = 12h44m37s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'48, Lahiri = -30°55'47 Julian Calendar 1 Sept. 1957 BCE == Greg. Calendar 15 Aug. 1957 BCE


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## OCTOBER 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 33 30 | 21♍57'15 | 11♉29 | 20♍16 | 9♌42 | 19°R19 | 28♍ 5 | 5♐40 | 24♏ 7 | 5♐34 | 11♎30 | 8°R51 | 7♒21 | 19♏58 | n.a. | W 1 |
| T 2 | 23 37 27 | 22°57'59 | 26° 3 | 21°52 | 10°53 | 18♓57 | 28°18 | 5°44 | 24° 9 | 5°35 | 11°33 | 8♒46 | 7°18 | 20° 4 | n.a. | T 2 |
| F 3 | 23 41 24 | 23°58'45 | 10♊23 | 23°28 | 12° 3 | 18°35 | 28°31 | 5°47 | 24°11 | 5°36 | 11°35 | 8°44 | 7°15 | 20°11 | n.a. | F 3 |
| S 4 | 23 45 20 | 24°59'33 | 24°28 | 25° 4 | 13°14 | 18°14 | 28°45 | 5°51 | 24°13 | 5°37 | 11°37 | 8°D43 | 7°12 | 20°18 | n.a. | S 4 |
| S 5 | 23 49 17 | 26° 0'23 | 8♋17 | 26°39 | 14°25 | 17°53 | 28°58 | 5°55 | 24°15 | 5°38 | 11°39 | 8°43 | 7° 8 | 20°25 | n.a. | S 5 |
| M 6 | 23 53 13 | 27° 1'14 | 21°50 | 28°14 | 15°36 | 17°32 | 29°12 | 5°59 | 24°18 | 5°40 | 11°42 | 8°44 | 7° 5 | 20°31 | n.a. | M 6 |
| T 7 | 23 57 10 | 28° 2'07 | 5♌ 8 | 29°49 | 16°48 | 17°12 | 29°25 | 6° 3 | 24°20 | 5°41 | 11°44 | 8°R45 | 7° 2 | 20°38 | n.a. | T 7 |
| W 8 | 0 1 6 | 29° 3'02 | 18°13 | 1♎24 | 17°59 | 16°53 | 29°39 | 6° 7 | 24°22 | 5°42 | 11°46 | 8°45 | 6°59 | 20°45 | n.a. | W 8 |
| T 9 | 0 5 3 | 0♎ 3'59 | 1♍ 6 | 2°58 | 19°10 | 16°33 | 29°52 | 6°11 | 24°25 | 5°43 | 11°49 | 8°42 | 6°56 | 20°52 | n.a. | T 9 |
| F 10 | 0 8 59 | 1° 4'56 | 13°48 | 4°33 | 20°22 | 16°15 | 0♎ 6 | 6°15 | 24°27 | 5°44 | 11°51 | 8°37 | 6°53 | 20°58 | n.a. | F 10 |
| S 11 | 0 12 56 | 2° 5'56 | 26°20 | 6° 7 | 21°34 | 15°57 | 0°19 | 6°19 | 24°30 | 5°45 | 11°53 | 8°30 | 6°49 | 21° 5 | n.a. | S 11 |
| S 12 | 0 16 52 | 3° 6'56 | 8♎42 | 7°41 | 22°46 | 15°39 | 0°33 | 6°24 | 24°32 | 5°47 | 11°56 | 8°20 | 6°46 | 21°12 | n.a. | S 12 |
| M13 | 0 20 49 | 4° 7'58 | 20°54 | 9°15 | 23°57 | 15°23 | 0°46 | 6°28 | 24°35 | 5°48 | 11°58 | 8° 9 | 6°43 | 21°18 | n.a. | M13 |
| T 14 | 0 24 46 | 5° 9'01 | 2♏58 | 10°49 | 25° 9 | 15° 7 | 0°59 | 6°33 | 24°37 | 5°49 | 12° 0 | 7°57 | 6°40 | 21°25 | n.a. | T 14 |
| W15 | 0 28 42 | 6°10'05 | 14°55 | 12°22 | 26°22 | 14°52 | 1°13 | 6°38 | 24°40 | 5°51 | 12° 3 | 7°46 | 6°37 | 21°32 | n.a. | W15 |
| T 16 | 0 32 39 | 7°11'10 | 26°46 | 13°56 | 27°34 | 14°37 | 1°26 | 6°42 | 24°42 | 5°52 | 12° 5 | 7°37 | 6°33 | 21°39 | n.a. | T 16 |
| F 17 | 0 36 35 | 8°12'16 | 8♐36 | 15°30 | 28°46 | 14°23 | 1°40 | 6°47 | 24°45 | 5°53 | 12° 8 | 7°30 | 6°30 | 21°45 | n.a. | F 17 |
| S 18 | 0 40 32 | 9°13'22 | 20°28 | 17° 3 | 29°59 | 14°10 | 1°53 | 6°52 | 24°48 | 5°55 | 12°10 | 7°26 | 6°27 | 21°52 | n.a. | S 18 |
| S 19 | 0 44 28 | 10°14'30 | 2♑26 | 18°36 | 1♍11 | 13°58 | 2° 7 | 6°57 | 24°51 | 5°56 | 12°12 | 7°24 | 6°24 | 21°59 | n.a. | S 19 |
| M20 | 0 48 25 | 11°15'38 | 14°35 | 20°10 | 2°24 | 13°47 | 2°20 | 7° 2 | 24°53 | 5°58 | 12°15 | 7°D23 | 6°21 | 22° 5 | n.a. | M20 |
| T 21 | 0 52 22 | 12°16'47 | 27° 1 | 21°43 | 3°36 | 13°36 | 2°33 | 7° 7 | 24°56 | 5°59 | 12°17 | 7°24 | 6°18 | 22°12 | n.a. | T 21 |
| W22 | 0 56 18 | 13°17'57 | 9♒50 | 23°16 | 4°49 | 13°26 | 2°47 | 7°12 | 24°59 | 6° 1 | 12°19 | 7°R24 | 6°14 | 22°19 | n.a. | W22 |
| T 23 | 1 0 15 | 14°19'07 | 23° 4 | 24°49 | 6° 2 | 13°17 | 3° 0 | 7°17 | 25° 2 | 6° 2 | 12°22 | 7°23 | 6°11 | 22°26 | n.a. | T 23 |
| F 24 | 1 4 11 | 15°20'18 | 6♓47 | 26°22 | 7°15 | 13° 9 | 3°13 | 7°23 | 25° 5 | 6° 4 | 12°24 | 7°20 | 6° 8 | 22°32 | n.a. | F 24 |
| S 25 | 1 8 8 | 16°21'29 | 20°59 | 27°55 | 8°28 | 13° 2 | 3°27 | 7°28 | 25° 8 | 6° 5 | 12°27 | 7°14 | 6° 5 | 22°39 | n.a. | S 25 |
| S 26 | 1 12 4 | 17°22'41 | 5♈37 | 29°28 | 9°41 | 12°55 | 3°40 | 7°33 | 25°11 | 6° 7 | 12°29 | 7° 5 | 6° 2 | 22°46 | n.a. | S 26 |
| M27 | 1 16 1 | 18°23'54 | 20°35 | 1♏ 1 | 10°54 | 12°50 | 3°53 | 7°39 | 25°14 | 6° 9 | 12°31 | 6°55 | 5°58 | 22°52 | n.a. | M27 |
| T 28 | 1 19 57 | 19°25'07 | 5♉43 | 2°33 | 12° 7 | 12°45 | 4° 7 | 7°44 | 25°17 | 6°10 | 12°34 | 6°43 | 5°55 | 22°59 | n.a. | T 28 |
| W29 | 1 23 54 | 20°26'21 | 20°51 | 4° 5 | 13°21 | 12°41 | 4°20 | 7°50 | 25°20 | 6°12 | 12°36 | 6°33 | 5°52 | 23° 6 | n.a. | W29 |
| T 30 | 1 27 51 | 21°27'36 | 5♊49 | 5°37 | 14°34 | 12°37 | 4°33 | 7°55 | 25°23 | 6°14 | 12°38 | 6°24 | 5°49 | 23°13 | n.a. | T 30 |
| F 31 | 1 31 47 | 22♎28'52 | 20♊29 | 7♏ 9 | 15♍47 | 12♓35 | 4♎46 | 8♐ 1 | 25♏26 | 6♐16 | 12♎41 | 6♒18 | 5♒46 | 23♏19 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 3n15 | 20n27 | 5n 8 | 4n27 | 0n34 | 18n59 | 0n50 | 6s40 | 2s34 | 1n49 | 1n 8 | 21s21 | 0n21 | 19s13 | 0s 2 | 20s55 | 0n46 | 6n28 | 12n 7 | 18s24 | 18s48 | 22s55 | | n.a. |
| T 2 | 2 51 | 24 25 | 4 55 | 3 43 | 0 28 | 18 43 | 0 53 | 6 45 | 2 31 | 1 43 | 1 8 | 21 21 | 0 21 | 19 13 | 0 2 | 20 55 | 0 46 | 6 27 | 12 6 | 18 26 | 18 49 | 22 56 | | n.a. |
| F 3 | 2 26 | 26 47 | 4 23 | 2 58 | 0 21 | 18 26 | 0 57 | 6 51 | 2 27 | 1 38 | 1 8 | 21 22 | 0 20 | 19 14 | 0 2 | 20 55 | 0 46 | 6 26 | 12 6 | 18 26 | 18 50 | 22 58 | | n.a. |
| S 4 | 2 2 | 27 24 | 3 36 | 2 14 | 0 15 | 18 8 | 1 0 | 6 57 | 2 24 | 1 32 | 1 8 | 21 23 | 0 20 | 19 14 | 0 2 | 20 55 | 0 46 | 6 25 | 12 6 | 18 27 | 18 51 | 23 0 | | n.a. |
| S 5 | 1 37 | 26 16 | 2 37 | 1 29 | 0 8 | 17 50 | 1 3 | 7 2 | 2 21 | 1 27 | 1 8 | 21 24 | 0 20 | 19 15 | 0 2 | 20 56 | 0 46 | 6 24 | 12 6 | 18 27 | 18 52 | 23 1 | | n.a. |
| M 6 | 1 12 | 23 35 | 1 30 | 0 45 | 0 2 | 17 32 | 1 6 | 7 7 | 2 18 | 1 21 | 1 8 | 21 24 | 0 20 | 19 15 | 0 2 | 20 56 | 0 46 | 6 23 | 12 6 | 18 26 | 18 52 | 23 3 | | n.a. |
| T 7 | 0 48 | 19 41 | 0 20 | 0 0 | 0s 5 | 17 13 | 1 9 | 7 12 | 2 14 | 1 16 | 1 8 | 21 25 | 0 20 | 19 16 | 0 2 | 20 56 | 0 46 | 6 22 | 12 5 | 18 26 | 18 53 | 23 5 | | n.a. |
| W 8 | 0 23 | 14 52 | 0s51 | 0s44 | 0 11 | 16 54 | 1 12 | 7 17 | 2 11 | 1 10 | 1 8 | 21 26 | 0 20 | 19 17 | 0 2 | 20 56 | 0 46 | 6 21 | 12 5 | 18 26 | 18 54 | 23 6 | | n.a. |
| T 9 | 0s 2 | 9 29 | 1 57 | 1 28 | 0 17 | 16 33 | 1 15 | 7 22 | 2 8 | 1 5 | 1 8 | 21 27 | 0 20 | 19 17 | 0 2 | 20 57 | 0 46 | 6 20 | 12 5 | 18 27 | 18 55 | 23 8 | | n.a. |
| F 10 | 0 26 | 3 47 | 2 57 | 2 12 | 0 24 | 16 13 | 1 18 | 7 26 | 2 4 | 0 59 | 1 7 | 21 28 | 0 20 | 19 18 | 0 2 | 20 57 | 0 46 | 6 19 | 12 5 | 18 28 | 18 56 | 23 10 | | n.a. |
| S 11 | 0 51 | 1s58 | 3 46 | 2 56 | 0 30 | 15 52 | 1 20 | 7 30 | 2 1 | 0 54 | 1 7 | 21 29 | 0 20 | 19 18 | 0 2 | 20 57 | 0 45 | 6 17 | 12 5 | 18 30 | 18 56 | 23 11 | | n.a. |
| S 12 | 1 16 | 7 33 | 4 25 | 3 40 | 0 36 | 15 30 | 1 23 | 7 34 | 1 57 | 0 48 | 1 7 | 21 30 | 0 19 | 19 19 | 0 2 | 20 57 | 0 45 | 6 16 | 12 5 | 18 33 | 18 57 | 23 13 | | n.a. |
| M13 | 1 40 | 12 47 | 4 50 | 4 23 | 0 43 | 15 8 | 1 25 | 7 37 | 1 54 | 0 43 | 1 7 | 21 30 | 0 19 | 19 20 | 0 2 | 20 58 | 0 45 | 6 15 | 12 4 | 18 36 | 18 58 | 23 15 | | n.a. |
| T 14 | 2 5 | 17 28 | 5 3 | 5 6 | 0 49 | 14 46 | 1 28 | 7 40 | 1 51 | 0 37 | 1 7 | 21 31 | 0 19 | 19 20 | 0 2 | 20 58 | 0 45 | 6 14 | 12 4 | 18 39 | 18 59 | 23 16 | | n.a. |
| W15 | 2 30 | 21 25 | 5 2 | 5 49 | 0 55 | 14 23 | 1 30 | 7 43 | 1 47 | 0 32 | 1 7 | 21 32 | 0 19 | 19 21 | 0 2 | 20 58 | 0 45 | 6 13 | 12 4 | 18 42 | 19 0 | 23 18 | | n.a. |
| T 16 | 2 54 | 24 29 | 4 47 | 6 32 | 1 1 | 14 0 | 1 32 | 7 46 | 1 44 | 0 26 | 1 7 | 21 33 | 0 19 | 19 22 | 0 2 | 20 58 | 0 45 | 6 12 | 12 4 | 18 44 | 19 1 | 23 19 | | n.a. |
| F 17 | 3 19 | 26 28 | 4 21 | 7 14 | 1 7 | 13 36 | 1 34 | 7 48 | 1 40 | 0 21 | 1 7 | 21 34 | 0 19 | 19 22 | 0 2 | 20 59 | 0 45 | 6 11 | 12 4 | 18 46 | 19 1 | 23 21 | | n.a. |
| S 18 | 3 44 | 27 17 | 3 43 | 7 56 | 1 12 | 13 12 | 1 36 | 7 50 | 1 37 | 0 15 | 1 7 | 21 35 | 0 19 | 19 23 | 0 2 | 20 59 | 0 45 | 6 10 | 12 4 | 18 47 | 19 2 | 23 23 | | n.a. |
| S 19 | 4 8 | 26 49 | 2 55 | 8 38 | 1 18 | 12 47 | 1 38 | 7 52 | 1 34 | 0 10 | 1 7 | 21 36 | 0 19 | 19 24 | 0 2 | 20 59 | 0 45 | 6 9 | 12 4 | 18 48 | 19 3 | 23 24 | | n.a. |
| M20 | 4 32 | 25 4 | 1 58 | 9 19 | 1 23 | 12 22 | 1 40 | 7 54 | 1 31 | 0 5 | 1 7 | 21 37 | 0 19 | 19 24 | 0 2 | 21 0 | 0 45 | 6 8 | 12 4 | 18 48 | 19 4 | 23 26 | | n.a. |
| T 21 | 4 57 | 22 4 | 0 55 | 10 0 | 1 29 | 11 57 | 1 41 | 7 55 | 1 27 | 0s 1 | 1 7 | 21 38 | 0 18 | 19 25 | 0 2 | 21 0 | 0 45 | 6 7 | 12 4 | 18 47 | 19 5 | 23 27 | | n.a. |
| W22 | 5 21 | 17 56 | 0n13 | 10 40 | 1 34 | 11 31 | 1 43 | 7 56 | 1 24 | 0 6 | 1 7 | 21 39 | 0 18 | 19 26 | 0 2 | 21 0 | 0 45 | 6 6 | 12 4 | 18 47 | 19 5 | 23 29 | | n.a. |
| T 23 | 5 45 | 12 49 | 1 22 | 11 19 | 1 38 | 11 5 | 1 44 | 7 56 | 1 21 | 0 12 | 1 7 | 21 40 | 0 18 | 19 26 | 0 2 | 21 1 | 0 45 | 6 5 | 12 3 | 18 48 | 19 6 | 23 31 | | n.a. |
| F 24 | 6 9 | 6 54 | 2 29 | 11 58 | 1 43 | 10 39 | 1 46 | 7 56 | 1 18 | 0 17 | 1 7 | 21 41 | 0 18 | 19 27 | 0 2 | 21 1 | 0 45 | 6 4 | 12 3 | 18 49 | 19 7 | 23 32 | | n.a. |
| S 25 | 6 33 | 0 27 | 3 29 | 12 37 | 1 48 | 10 12 | 1 47 | 7 56 | 1 15 | 0 23 | 1 7 | 21 42 | 0 18 | 19 28 | 0 2 | 21 1 | 0 45 | 6 3 | 12 3 | 18 50 | 19 8 | 23 34 | | n.a. |
| S 26 | 6 57 | 6n12 | 4 17 | 13 14 | 1 52 | 9 45 | 1 48 | 7 56 | 1 11 | 0 28 | 1 7 | 21 43 | 0 18 | 19 29 | 0 2 | 21 1 | 0 45 | 6 2 | 12 3 | 18 52 | 19 9 | 23 35 | | n.a. |
| M27 | 7 21 | 12 39 | 4 49 | 13 51 | 1 56 | 9 18 | 1 49 | 7 55 | 1 8 | 0 33 | 1 7 | 21 44 | 0 18 | 19 29 | 0 2 | 21 2 | 0 45 | 6 1 | 12 3 | 18 55 | 19 9 | 23 37 | | n.a. |
| T 28 | 7 45 | 18 24 | 5 1 | 14 28 | 1 59 | 8 50 | 1 50 | 7 55 | 1 5 | 0 39 | 1 7 | 21 45 | 0 18 | 19 30 | 0 2 | 21 2 | 0 45 | 6 0 | 12 3 | 18 58 | 19 10 | 23 38 | | n.a. |
| W29 | 8 8 | 23 1 | 4 52 | 15 3 | 2 2 | 8 23 | 1 51 | 7 53 | 1 2 | 0 44 | 1 7 | 21 46 | 0 18 | 19 31 | 0 2 | 21 2 | 0 45 | 5 59 | 12 3 | 19 1 | 19 11 | 23 40 | | n.a. |
| T 30 | 8 32 | 26 1 | 4 23 | 15 38 | 2 5 | 7 54 | 1 52 | 7 52 | 0 59 | 0 49 | 1 7 | 21 47 | 0 18 | 19 32 | 0 2 | 21 3 | 0 45 | 5 59 | 12 3 | 19 3 | 19 12 | 23 41 | | n.a. |
| F 31 | 8s55 | 27n10 | 3n37 | 16s11 | 2s 8 | 7n26 | 1n53 | 7s50 | 0s57 | 0s55 | 1n 7 | 21s48 | 0n17 | 19s32 | 0s 2 | 21s 3 | 0n45 | 5n58 | 12n 3 | 19s 4 | 19s13 | 23s43 | | n.a. |

Julian Day Number = 1006902.5, Delta T = 12h44m35s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'44, Lahiri = -30°55'43 Julian Calendar 1 Oct. 1957 BCE == Greg. Calendar 14 Sept. 1957 BCE

The year -1956 astronomical counting style corresponds to year 1957 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## NOVEMBER 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 35 44 | 23♎30'09 | 4♋46 | 8♏40 | 17♍ 1 | 12°R33 | 4♎59 | 8♐ 7 | 25♏29 | 6♐17 | 12♎43 | 6°R15 | 5♒43 | 23♏26 | n.a. | S 1 |
| S 2 | 1 39 40 | 24°31'26 | 18°39 | 10°11 | 18°14 | 12♓33 | 5°13 | 8°13 | 25°32 | 6°19 | 12°45 | 6♒13 | 5°39 | 23°33 | n.a. | S 2 |
| M 3 | 1 43 37 | 25°32'45 | 2♌ 8 | 11°41 | 19°28 | 12°D33 | 5°26 | 8°19 | 25°35 | 6°21 | 12°48 | 6°13 | 5°36 | 23°39 | n.a. | M 3 |
| T 4 | 1 47 33 | 26°34'03 | 15°17 | 13°10 | 20°42 | 12°33 | 5°39 | 8°25 | 25°39 | 6°23 | 12°50 | 6°13 | 5°33 | 23°46 | n.a. | T 4 |
| W 5 | 1 51 30 | 27°35'23 | 28° 8 | 14°39 | 21°55 | 12°35 | 5°52 | 8°31 | 25°42 | 6°25 | 12°52 | 6°12 | 5°30 | 23°53 | n.a. | W 5 |
| T 6 | 1 55 27 | 28°36'43 | 10♍44 | 16° 6 | 23° 9 | 12°37 | 6° 5 | 8°37 | 25°45 | 6°27 | 12°55 | 6° 8 | 5°27 | 24° 0 | n.a. | T 6 |
| F 7 | 1 59 23 | 29°38'03 | 23°10 | 17°31 | 24°23 | 12°40 | 6°18 | 8°43 | 25°48 | 6°28 | 12°57 | 6° 0 | 5°24 | 24° 6 | n.a. | F 7 |
| S 8 | 2 3 20 | 0♏39'24 | 5♎26 | 18°56 | 25°37 | 12°44 | 6°31 | 8°49 | 25°52 | 6°30 | 12°59 | 5°50 | 5°20 | 24°13 | n.a. | S 8 |
| S 9 | 2 7 16 | 1°40'45 | 17°35 | 20°18 | 26°51 | 12°48 | 6°43 | 8°55 | 25°55 | 6°32 | 13° 2 | 5°37 | 5°17 | 24°20 | n.a. | S 9 |
| M10 | 2 11 13 | 2°42'07 | 29°37 | 21°38 | 28° 5 | 12°54 | 6°56 | 9° 1 | 25°58 | 6°34 | 13° 4 | 5°22 | 5°14 | 24°27 | n.a. | M10 |
| T 11 | 2 15 9 | 3°43'28 | 11♏35 | 22°55 | 29°19 | 13° 0 | 7° 9 | 9° 8 | 26° 1 | 6°36 | 13° 6 | 5° 7 | 5°11 | 24°33 | n.a. | T 11 |
| W12 | 2 19 6 | 4°44'50 | 23°28 | 24° 9 | 0♎33 | 13° 6 | 7°22 | 9°14 | 26° 5 | 6°38 | 13° 8 | 4°52 | 5° 8 | 24°40 | n.a. | W12 |
| T 13 | 2 23 2 | 5°46'11 | 5♐19 | 25°19 | 1°47 | 13°14 | 7°34 | 9°20 | 26° 8 | 6°40 | 13°11 | 4°39 | 5° 4 | 24°47 | n.a. | T 13 |
| F 14 | 2 26 59 | 6°47'33 | 17° 9 | 26°25 | 3° 1 | 13°22 | 7°47 | 9°27 | 26°12 | 6°42 | 13°13 | 4°29 | 5° 1 | 24°53 | n.a. | F 14 |
| S 15 | 2 30 56 | 7°48'54 | 29° 0 | 27°25 | 4°15 | 13°30 | 8° 0 | 9°33 | 26°15 | 6°44 | 13°15 | 4°21 | 4°58 | 25° 0 | n.a. | S 15 |
| S 16 | 2 34 52 | 8°50'15 | 10♑58 | 28°20 | 5°29 | 13°40 | 8°12 | 9°40 | 26°18 | 6°46 | 13°17 | 4°17 | 4°55 | 25° 7 | n.a. | S 16 |
| M17 | 2 38 49 | 9°51'36 | 23° 5 | 29° 8 | 6°43 | 13°50 | 8°25 | 9°46 | 26°22 | 6°48 | 13°19 | 4°15 | 4°52 | 25°14 | n.a. | M17 |
| T 18 | 2 42 45 | 10°52'56 | 5♒26 | 29°49 | 7°57 | 14° 0 | 8°37 | 9°53 | 26°25 | 6°51 | 13°22 | 4°15 | 4°49 | 25°20 | n.a. | T 18 |
| W19 | 2 46 42 | 11°54'16 | 18° 8 | 0♐21 | 9°12 | 14°11 | 8°50 | 10° 0 | 26°29 | 6°53 | 13°24 | 4°15 | 4°45 | 25°27 | n.a. | W19 |
| T 20 | 2 50 38 | 12°55'35 | 1♓14 | 0°43 | 10°26 | 14°23 | 9° 2 | 10° 6 | 26°32 | 6°55 | 13°26 | 4°14 | 4°42 | 25°34 | n.a. | T 20 |
| F 21 | 2 54 35 | 13°56'53 | 14°48 | 0°56 | 11°40 | 14°35 | 9°14 | 10°13 | 26°36 | 6°57 | 13°28 | 4°11 | 4°39 | 25°40 | n.a. | F 21 |
| S 22 | 2 58 32 | 14°58'11 | 28°54 | 0°R58 | 12°54 | 14°48 | 9°26 | 10°20 | 26°39 | 6°59 | 13°30 | 4° 5 | 4°36 | 25°47 | n.a. | S 22 |
| S 23 | 3 2 28 | 15°59'28 | 13♈29 | 0°48 | 14° 9 | 15° 2 | 9°38 | 10°26 | 26°43 | 7° 1 | 13°32 | 3°57 | 4°33 | 25°54 | n.a. | S 23 |
| M24 | 3 6 25 | 17° 0'45 | 28°29 | 0°26 | 15°23 | 15°16 | 9°51 | 10°33 | 26°46 | 7° 3 | 13°34 | 3°46 | 4°30 | 26° 1 | n.a. | M24 |
| T 25 | 3 10 21 | 18° 2'01 | 13♉46 | 29♏52 | 16°37 | 15°30 | 10° 3 | 10°40 | 26°50 | 7° 5 | 13°36 | 3°35 | 4°26 | 26° 7 | n.a. | T 25 |
| W26 | 3 14 18 | 19° 3'16 | 29° 8 | 29° 7 | 17°52 | 15°45 | 10°14 | 10°47 | 26°53 | 7° 8 | 13°38 | 3°24 | 4°23 | 26°14 | n.a. | W26 |
| T 27 | 3 18 14 | 20° 4'32 | 14♊24 | 28°12 | 19° 6 | 16° 1 | 10°26 | 10°54 | 26°57 | 7°10 | 13°40 | 3°15 | 4°20 | 26°21 | n.a. | T 27 |
| F 28 | 3 22 11 | 21° 5'46 | 29°23 | 27° 8 | 20°21 | 16°17 | 10°38 | 11° 1 | 27° 0 | 7°12 | 13°42 | 3° 8 | 4°17 | 26°27 | n.a. | F 28 |
| S 29 | 3 26 8 | 22° 7'01 | 13♋57 | 25°57 | 21°35 | 16°33 | 10°50 | 11° 8 | 27° 4 | 7°14 | 13°44 | 3° 4 | 4°14 | 26°34 | n.a. | S 29 |
| S 30 | 3 30 4 | 23♏ 8'15 | 28♋ 3 | 24♏40 | 22♎49 | 16♓50 | 11♎ 2 | 11♐15 | 27♏ 7 | 7♐16 | 13♎46 | 3°D 3 | 4♒10 | 26♏41 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s18 | 26n28 | 2n38 | 16s44 | 2s10 | 6n57 | 1n53 | 7s48 | 0s54 | 1s 0 | 1n 7 | 21s49 | 0n17 | 19s33 | 0s 2 | 21s 3 | 0n45 | 5n57 | 12n 3 | 19s 5 | 19s13 | 23s44 | | n.a. |
| S 2 | 9 41 | 24 6 | 1 32 | 17 15 | 2 12 | 6 29 | 1 54 | 7 46 | 0 51 | 1 5 | 1 7 | 21 50 | 0 17 | 19 34 | 0 2 | 21 4 | 0 45 | 5 56 | 12 3 | 19 6 | 19 14 | 23 46 | | n.a. |
| M 3 | 10 4 | 20 26 | 0 22 | 17 45 | 2 13 | 6 0 | 1 54 | 7 44 | 0 48 | 1 11 | 1 7 | 21 51 | 0 17 | 19 35 | 0 2 | 21 4 | 0 45 | 5 55 | 12 3 | 19 6 | 19 15 | 23 47 | | n.a. |
| T 4 | 10 27 | 15 49 | 0s48 | 18 14 | 2 14 | 5 30 | 1 54 | 7 41 | 0 45 | 1 16 | 1 7 | 21 52 | 0 17 | 19 36 | 0 2 | 21 4 | 0 45 | 5 54 | 12 3 | 19 6 | 19 16 | 23 49 | | n.a. |
| W 5 | 10 49 | 10 36 | 1 53 | 18 41 | 2 14 | 5 1 | 1 55 | 7 38 | 0 43 | 1 21 | 1 7 | 21 53 | 0 17 | 19 36 | 0 2 | 21 5 | 0 45 | 5 53 | 12 3 | 19 6 | 19 17 | 23 50 | | n.a. |
| T 6 | 11 12 | 5 3 | 2 51 | 19 7 | 2 14 | 4 31 | 1 55 | 7 34 | 0 40 | 1 26 | 1 7 | 21 54 | 0 17 | 19 37 | 0 2 | 21 5 | 0 45 | 5 52 | 12 3 | 19 7 | 19 17 | 23 52 | | n.a. |
| F 7 | 11 34 | 0s36 | 3 40 | 19 31 | 2 13 | 4 1 | 1 55 | 7 31 | 0 38 | 1 32 | 1 7 | 21 55 | 0 17 | 19 38 | 0 2 | 21 6 | 0 45 | 5 51 | 12 3 | 19 9 | 19 18 | 23 53 | | n.a. |
| S 8 | 11 56 | 6 8 | 4 19 | 19 54 | 2 11 | 3 32 | 1 55 | 7 27 | 0 35 | 1 37 | 1 7 | 21 56 | 0 17 | 19 39 | 0 2 | 21 6 | 0 45 | 5 51 | 12 3 | 19 12 | 19 19 | 23 55 | | n.a. |
| S 9 | 12 18 | 11 24 | 4 45 | 20 15 | 2 9 | 3 1 | 1 55 | 7 23 | 0 33 | 1 42 | 1 7 | 21 57 | 0 17 | 19 40 | 0 2 | 21 6 | 0 45 | 5 50 | 12 3 | 19 15 | 19 20 | 23 56 | | n.a. |
| M10 | 12 39 | 16 11 | 4 57 | 20 33 | 2 6 | 2 31 | 1 54 | 7 19 | 0 30 | 1 47 | 1 7 | 21 59 | 0 17 | 19 40 | 0 2 | 21 7 | 0 45 | 5 49 | 12 3 | 19 18 | 19 20 | 23 58 | | n.a. |
| T 11 | 13 1 | 20 18 | 4 57 | 20 50 | 2 2 | 2 1 | 1 54 | 7 14 | 0 28 | 1 52 | 1 7 | 22 0 | 0 16 | 19 41 | 0 2 | 21 7 | 0 45 | 5 48 | 12 3 | 19 22 | 19 21 | 23 59 | | n.a. |
| W12 | 13 22 | 23 35 | 4 44 | 21 4 | 1 57 | 1 31 | 1 54 | 7 10 | 0 25 | 1 57 | 1 7 | 22 1 | 0 16 | 19 42 | 0 2 | 21 7 | 0 45 | 5 47 | 12 3 | 19 26 | 19 22 | 24 1 | | n.a. |
| T 13 | 13 43 | 25 51 | 4 18 | 21 16 | 1 51 | 1 0 | 1 53 | 7 5 | 0 23 | 2 2 | 1 7 | 22 2 | 0 16 | 19 43 | 0 2 | 21 8 | 0 44 | 5 46 | 12 4 | 19 29 | 19 23 | 24 2 | | n.a. |
| F 14 | 14 3 | 26 57 | 3 41 | 21 25 | 1 44 | 0 30 | 1 53 | 6 59 | 0 21 | 2 7 | 1 7 | 22 3 | 0 16 | 19 44 | 0 2 | 21 8 | 0 44 | 5 46 | 12 4 | 19 32 | 19 24 | 24 3 | | n.a. |
| S 15 | 14 24 | 26 50 | 2 54 | 21 32 | 1 36 | 0s 1 | 1 52 | 6 54 | 0 19 | 2 12 | 1 7 | 22 4 | 0 16 | 19 44 | 0 2 | 21 8 | 0 44 | 5 45 | 12 4 | 19 33 | 19 24 | 24 5 | | n.a. |
| S 16 | 14 44 | 25 27 | 2 0 | 21 36 | 1 27 | 0 31 | 1 51 | 6 48 | 0 17 | 2 17 | 1 7 | 22 5 | 0 16 | 19 45 | 0 2 | 21 9 | 0 44 | 5 44 | 12 4 | 19 34 | 19 25 | 24 6 | | n.a. |
| M17 | 15 4 | 22 52 | 0 59 | 21 36 | 1 16 | 1 2 | 1 51 | 6 42 | 0 14 | 2 22 | 1 7 | 22 6 | 0 16 | 19 46 | 0 2 | 21 9 | 0 44 | 5 43 | 12 4 | 19 35 | 19 26 | 24 8 | | n.a. |
| T 18 | 15 23 | 19 11 | 0n 6 | 21 34 | 1 4 | 1 33 | 1 50 | 6 36 | 0 12 | 2 27 | 1 7 | 22 7 | 0 16 | 19 47 | 0 2 | 21 10 | 0 44 | 5 43 | 12 4 | 19 35 | 19 27 | 24 9 | | n.a. |
| W19 | 15 43 | 14 33 | 1 13 | 21 28 | 0 51 | 2 3 | 1 49 | 6 30 | 0 10 | 2 32 | 1 7 | 22 8 | 0 16 | 19 48 | 0 2 | 21 10 | 0 44 | 5 42 | 12 4 | 19 35 | 19 28 | 24 10 | | n.a. |
| T 20 | 16 2 | 9 7 | 2 17 | 21 19 | 0 37 | 2 34 | 1 48 | 6 24 | 0 8 | 2 37 | 1 7 | 22 9 | 0 16 | 19 49 | 0 2 | 21 10 | 0 44 | 5 41 | 12 4 | 19 35 | 19 28 | 24 12 | | n.a. |
| F 21 | 16 21 | 3 5 | 3 17 | 21 6 | 0 21 | 3 4 | 1 47 | 6 17 | 0 6 | 2 42 | 1 7 | 22 10 | 0 16 | 19 49 | 0 2 | 21 11 | 0 44 | 5 40 | 12 4 | 19 36 | 19 29 | 24 13 | | n.a. |
| S 22 | 16 39 | 3n19 | 4 6 | 20 50 | 0 4 | 3 35 | 1 45 | 6 10 | 0 4 | 2 47 | 1 7 | 22 12 | 0 15 | 19 50 | 0 2 | 21 11 | 0 44 | 5 40 | 12 4 | 19 37 | 19 30 | 24 15 | | n.a. |
| S 23 | 16 57 | 9 44 | 4 42 | 20 30 | 0n14 | 4 5 | 1 44 | 6 3 | 0 3 | 2 52 | 1 7 | 22 13 | 0 15 | 19 51 | 0 2 | 21 12 | 0 44 | 5 39 | 12 5 | 19 39 | 19 31 | 24 16 | | n.a. |
| M24 | 17 15 | 15 48 | 4 59 | 20 7 | 0 33 | 4 36 | 1 43 | 5 56 | 0 1 | 2 57 | 1 7 | 22 14 | 0 15 | 19 52 | 0 2 | 21 12 | 0 44 | 5 38 | 12 5 | 19 42 | 19 31 | 24 17 | | n.a. |
| T 25 | 17 33 | 20 59 | 4 56 | 19 41 | 0 52 | 5 6 | 1 42 | 5 49 | 0n 1 | 3 1 | 1 8 | 22 15 | 0 15 | 19 53 | 0 2 | 21 12 | 0 44 | 5 38 | 12 5 | 19 45 | 19 32 | 24 19 | | n.a. |
| W26 | 17 50 | 24 47 | 4 31 | 19 12 | 1 12 | 5 36 | 1 40 | 5 41 | 0 3 | 3 6 | 1 8 | 22 16 | 0 15 | 19 54 | 0 2 | 21 13 | 0 44 | 5 37 | 12 5 | 19 47 | 19 33 | 24 20 | | n.a. |
| T 27 | 18 7 | 26 45 | 3 47 | 18 40 | 1 32 | 6 7 | 1 39 | 5 33 | 0 4 | 3 11 | 1 8 | 22 17 | 0 15 | 19 54 | 0 2 | 21 13 | 0 44 | 5 36 | 12 5 | 19 49 | 19 34 | 24 21 | | n.a. |
| F 28 | 18 24 | 26 43 | 2 48 | 18 6 | 1 51 | 6 37 | 1 37 | 5 25 | 0 6 | 3 15 | 1 8 | 22 18 | 0 15 | 19 55 | 0 2 | 21 13 | 0 44 | 5 36 | 12 5 | 19 51 | 19 35 | 24 23 | | n.a. |
| S 29 | 18 40 | 24 49 | 1 39 | 17 32 | 2 10 | 7 6 | 1 35 | 5 17 | 0 8 | 3 20 | 1 8 | 22 19 | 0 15 | 19 56 | 0 2 | 21 14 | 0 44 | 5 35 | 12 5 | 19 52 | 19 35 | 24 24 | | n.a. |
| S 30 | 18s56 | 21n24 | 0n26 | 16s57 | 2n27 | 7s36 | 1n34 | 5s 9 | 0n 9 | 3s25 | 1n 8 | 22s20 | 0n15 | 19s57 | 0s 2 | 21s14 | 0n44 | 5n34 | 12n 6 | 19s52 | 19s36 | 24s25 | | n.a. |

Julian Day Number = 1006933.5, Delta T = 12h44m33s
Ecliptic obliquity = 23°55'17, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'39, Lahiri = -30°55'39 Julian Calendar 1 Nov. 1957 BCE == Greg. Calendar 15 Oct. 1957 BCE


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# ASTRODIENST EPHEMERIS for the year 1957 BCE
# geocentric

## DECEMBER 1957 BCE (-1956) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 34 1 | 24♏ 9'28 | 11♌42 | 23°R22 | 24♎ 4 | 17♓ 8 | 11♎13 | 11♐22 | 27♏11 | 7♐19 | 13♎48 | 3♒ 3 | 4♒ 7 | 26♏48 | n.a. | M 1 |
| T 2 | 3 37 57 | 25°10'41 | 24°54 | 22♏ 3 | 25°18 | 17°26 | 11°25 | 11°29 | 27°14 | 7°21 | 13°50 | 3°R 4 | 4° 4 | 26°54 | n.a. | T 2 |
| W 3 | 3 41 54 | 26°11'53 | 7♍43 | 20°48 | 26°33 | 17°44 | 11°36 | 11°36 | 27°18 | 7°23 | 13°52 | 3° 3 | 4° 1 | 27° 1 | n.a. | W 3 |
| T 4 | 3 45 50 | 27°13'05 | 20°15 | 19°36 | 27°47 | 18° 3 | 11°48 | 11°43 | 27°22 | 7°25 | 13°54 | 3° 0 | 3°58 | 27° 8 | n.a. | T 4 |
| F 5 | 3 49 47 | 28°14'16 | 2♎32 | 18°31 | 29° 2 | 18°22 | 11°59 | 11°50 | 27°25 | 7°28 | 13°56 | 2°55 | 3°55 | 27°14 | n.a. | F 5 |
| S 6 | 3 53 43 | 29°15'27 | 14°39 | 17°34 | 0♏16 | 18°41 | 12°10 | 11°57 | 27°29 | 7°30 | 13°58 | 2°47 | 3°51 | 27°21 | n.a. | S 6 |
| S 7 | 3 57 40 | 0♐16'37 | 26°39 | 16°45 | 1°31 | 19° 1 | 12°21 | 12° 4 | 27°32 | 7°32 | 13°59 | 2°37 | 3°48 | 27°28 | n.a. | S 7 |
| M 8 | 4 1 37 | 1°17'46 | 8♏34 | 16° 5 | 2°45 | 19°22 | 12°32 | 12°11 | 27°36 | 7°34 | 14° 1 | 2°25 | 3°45 | 27°35 | n.a. | M 8 |
| T 9 | 4 5 33 | 2°18'54 | 20°26 | 15°34 | 4° 0 | 19°42 | 12°43 | 12°18 | 27°39 | 7°37 | 14° 3 | 2°12 | 3°42 | 27°41 | n.a. | T 9 |
| W10 | 4 9 30 | 3°20'01 | 2♐18 | 15°13 | 5°14 | 20° 3 | 12°54 | 12°26 | 27°43 | 7°39 | 14° 5 | 2° 0 | 3°39 | 27°48 | n.a. | W10 |
| T 11 | 4 13 26 | 4°21'07 | 14° 9 | 15° 0 | 6°29 | 20°25 | 13° 5 | 12°33 | 27°46 | 7°41 | 14° 6 | 1°49 | 3°36 | 27°55 | n.a. | T 11 |
| F 12 | 4 17 23 | 5°22'12 | 26° 2 | 14°D56 | 7°43 | 20°47 | 13°15 | 12°40 | 27°50 | 7°44 | 14° 8 | 1°41 | 3°32 | 28° 1 | n.a. | F 12 |
| S 13 | 4 21 19 | 6°23'16 | 7♑59 | 15° 0 | 8°58 | 21° 9 | 13°26 | 12°47 | 27°53 | 7°46 | 14°10 | 1°35 | 3°29 | 28° 8 | n.a. | S 13 |
| S 14 | 4 25 16 | 7°24'18 | 20° 2 | 15°11 | 10°12 | 21°31 | 13°37 | 12°54 | 27°57 | 7°48 | 14°11 | 1°32 | 3°26 | 28°15 | n.a. | S 14 |
| M15 | 4 29 13 | 8°25'19 | 2♒13 | 15°29 | 11°27 | 21°54 | 13°47 | 13° 1 | 28° 0 | 7°50 | 14°13 | 1°D32 | 3°23 | 28°22 | n.a. | M15 |
| T 16 | 4 33 9 | 9°26'18 | 14°37 | 15°53 | 12°41 | 22°17 | 13°57 | 13° 9 | 28° 4 | 7°53 | 14°14 | 1°32 | 3°20 | 28°28 | n.a. | T 16 |
| W17 | 4 37 6 | 10°27'16 | 27°18 | 16°23 | 13°56 | 22°41 | 14° 7 | 13°16 | 28° 7 | 7°55 | 14°16 | 1°33 | 3°16 | 28°35 | n.a. | W17 |
| T 18 | 4 41 2 | 11°28'12 | 10♓19 | 16°58 | 15°10 | 23° 4 | 14°17 | 13°23 | 28°11 | 7°57 | 14°18 | 1°R34 | 3°13 | 28°42 | n.a. | T 18 |
| F 19 | 4 44 59 | 12°29'07 | 23°45 | 17°38 | 16°25 | 23°28 | 14°27 | 13°30 | 28°14 | 8° 0 | 14°19 | 1°33 | 3°10 | 28°48 | n.a. | F 19 |
| S 20 | 4 48 55 | 13°29'59 | 7♈38 | 18°23 | 17°39 | 23°53 | 14°37 | 13°38 | 28°18 | 8° 2 | 14°21 | 1°31 | 3° 7 | 28°55 | n.a. | S 20 |
| S 21 | 4 52 52 | 14°30'51 | 21°58 | 19°11 | 18°54 | 24°17 | 14°47 | 13°45 | 28°21 | 8° 4 | 14°22 | 1°26 | 3° 4 | 29° 2 | n.a. | S 21 |
| M22 | 4 56 48 | 15°31'40 | 6♉44 | 20° 3 | 20° 8 | 24°42 | 14°57 | 13°52 | 28°25 | 8° 6 | 14°23 | 1°20 | 3° 1 | 29° 8 | n.a. | M22 |
| T 23 | 5 0 45 | 16°32'28 | 21°49 | 20°59 | 21°23 | 25° 7 | 15° 6 | 13°59 | 28°28 | 8° 9 | 14°25 | 1°13 | 2°57 | 29°15 | n.a. | T 23 |
| W24 | 5 4 42 | 17°33'14 | 7♊ 4 | 21°57 | 22°37 | 25°33 | 15°16 | 14° 6 | 28°32 | 8°11 | 14°26 | 1° 6 | 2°54 | 29°22 | n.a. | W24 |
| T 25 | 5 8 38 | 18°33'59 | 22°19 | 22°58 | 23°52 | 25°58 | 15°25 | 14°14 | 28°35 | 8°13 | 14°27 | 1° 0 | 2°51 | 29°29 | n.a. | T 25 |
| F 26 | 5 12 35 | 19°34'42 | 7♋22 | 24° 1 | 25° 6 | 26°24 | 15°34 | 14°21 | 28°38 | 8°15 | 14°29 | 0°56 | 2°48 | 29°35 | n.a. | F 26 |
| S 27 | 5 16 31 | 20°35'23 | 22° 7 | 25° 7 | 26°21 | 26°50 | 15°43 | 14°28 | 28°42 | 8°18 | 14°30 | 0°54 | 2°45 | 29°42 | n.a. | S 27 |
| S 28 | 5 20 28 | 21°36'03 | 6♌25 | 26°16 | 27°35 | 27°17 | 15°52 | 14°35 | 28°45 | 8°20 | 14°31 | 0°D54 | 2°42 | 29°49 | n.a. | S 28 |
| M29 | 5 24 24 | 22°36'42 | 20°16 | 27°26 | 28°49 | 27°43 | 16° 1 | 14°42 | 28°48 | 8°22 | 14°32 | 0°55 | 2°38 | 29°55 | n.a. | M29 |
| T 30 | 5 28 21 | 23°37'19 | 3♍38 | 28°38 | 0♐ 4 | 28°10 | 16°10 | 14°50 | 28°52 | 8°24 | 14°34 | 0°57 | 2°35 | 0♐ 2 | n.a. | T 30 |
| W31 | 5 32 18 | 24♐37'54 | 16♍35 | 29♏52 | 1♐18 | 28♓37 | 16♎19 | 14♐57 | 28♏55 | 8♐26 | 14♎35 | 0♒58 | 2♒32 | 0♐ 9 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 19s11 | 16n54 | 0s46 | 16s23 | 2n42 | 8s 6 | 1n32 | 5s 1 | 0n11 | 3s29 | 1n 8 | 22s21 | 0n15 | 19s58 | 0s 2 | 21s15 | 0n44 | 5n34 | 12n 6 | 19s52 | 19s37 | 24s27 | | | n.a. |
| T 2 | 19 27 | 11 42 | 1 53 | 15 50 | 2 55 | 8 35 | 1 30 | 4 52 | 0 13 | 3 34 | 1 8 | 22 22 | 0 15 | 19 59 | 0 2 | 21 15 | 0 44 | 5 33 | 12 6 | 19 52 | 19 38 | 24 28 | | | n.a. |
| W 3 | 19 41 | 6 10 | 2 53 | 15 20 | 3 6 | 9 4 | 1 28 | 4 44 | 0 14 | 3 38 | 1 8 | 22 23 | 0 14 | 19 59 | 0 2 | 21 15 | 0 44 | 5 33 | 12 6 | 19 52 | 19 38 | 24 29 | | | n.a. |
| T 4 | 19 56 | 0 32 | 3 43 | 14 52 | 3 14 | 9 33 | 1 26 | 4 35 | 0 16 | 3 43 | 1 8 | 22 24 | 0 14 | 20 0 | 0 2 | 21 16 | 0 44 | 5 32 | 12 6 | 19 53 | 19 39 | 24 30 | | | n.a. |
| F 5 | 20 10 | 5s 1 | 4 22 | 14 29 | 3 20 | 10 2 | 1 24 | 4 26 | 0 17 | 3 47 | 1 8 | 22 25 | 0 14 | 20 1 | 0 2 | 21 16 | 0 44 | 5 32 | 12 7 | 19 54 | 19 40 | 24 32 | | | n.a. |
| S 6 | 20 24 | 10 18 | 4 48 | 14 9 | 3 24 | 10 31 | 1 22 | 4 17 | 0 18 | 3 52 | 1 8 | 22 26 | 0 14 | 20 2 | 0 2 | 21 17 | 0 44 | 5 31 | 12 7 | 19 56 | 19 41 | 24 33 | | | n.a. |
| S 7 | 20 37 | 15 8 | 5 1 | 13 53 | 3 26 | 10 59 | 1 20 | 4 8 | 0 20 | 3 56 | 1 8 | 22 28 | 0 14 | 20 3 | 0 2 | 21 17 | 0 44 | 5 31 | 12 7 | 19 58 | 19 41 | 24 34 | | | n.a. |
| M 8 | 20 50 | 19 23 | 5 1 | 13 42 | 3 26 | 11 27 | 1 18 | 3 58 | 0 21 | 4 0 | 1 8 | 22 29 | 0 14 | 20 4 | 0 2 | 21 17 | 0 44 | 5 30 | 12 7 | 20 1 | 19 42 | 24 36 | | | n.a. |
| T 9 | 21 3 | 22 50 | 4 48 | 13 35 | 3 24 | 11 55 | 1 16 | 3 49 | 0 22 | 4 4 | 1 8 | 22 30 | 0 14 | 20 4 | 0 3 | 21 18 | 0 44 | 5 30 | 12 7 | 20 4 | 19 43 | 24 37 | | | n.a. |
| W10 | 21 15 | 25 19 | 4 22 | 13 32 | 3 21 | 12 22 | 1 14 | 3 39 | 0 24 | 4 9 | 1 9 | 22 31 | 0 14 | 20 5 | 0 3 | 21 18 | 0 44 | 5 29 | 12 8 | 20 7 | 19 44 | 24 38 | | | n.a. |
| T 11 | 21 26 | 26 41 | 3 45 | 13 33 | 3 16 | 12 49 | 1 12 | 3 29 | 0 25 | 4 13 | 1 9 | 22 32 | 0 14 | 20 6 | 0 3 | 21 19 | 0 44 | 5 29 | 12 8 | 20 9 | 19 44 | 24 39 | | | n.a. |
| F 12 | 21 38 | 26 50 | 2 58 | 13 37 | 3 10 | 13 16 | 1 9 | 3 19 | 0 26 | 4 17 | 1 9 | 22 33 | 0 14 | 20 7 | 0 3 | 21 19 | 0 44 | 5 28 | 12 8 | 20 11 | 19 45 | 24 40 | | | n.a. |
| S 13 | 21 49 | 25 43 | 2 3 | 13 44 | 3 3 | 13 43 | 1 7 | 3 9 | 0 28 | 4 21 | 1 9 | 22 34 | 0 14 | 20 8 | 0 3 | 21 19 | 0 44 | 5 28 | 12 8 | 20 12 | 19 46 | 24 42 | | | n.a. |
| S 14 | 21 59 | 23 24 | 1 1 | 13 55 | 2 56 | 14 9 | 1 5 | 2 59 | 0 29 | 4 25 | 1 9 | 22 35 | 0 14 | 20 9 | 0 3 | 21 20 | 0 44 | 5 28 | 12 9 | 20 13 | 19 47 | 24 43 | | | n.a. |
| M15 | 22 9 | 20 0 | 0n 4 | 14 8 | 2 48 | 14 35 | 1 2 | 2 49 | 0 30 | 4 29 | 1 9 | 22 36 | 0 13 | 20 9 | 0 3 | 21 20 | 0 44 | 5 27 | 12 9 | 20 13 | 19 47 | 24 44 | | | n.a. |
| T 16 | 22 19 | 15 40 | 1 10 | 14 23 | 2 39 | 15 0 | 1 0 | 2 39 | 0 31 | 4 33 | 1 9 | 22 37 | 0 13 | 20 10 | 0 3 | 21 21 | 0 44 | 5 27 | 12 9 | 20 13 | 19 48 | 24 45 | | | n.a. |
| W17 | 22 28 | 10 33 | 2 14 | 14 40 | 2 31 | 15 25 | 0 58 | 2 28 | 0 32 | 4 37 | 1 9 | 22 38 | 0 13 | 20 11 | 0 3 | 21 21 | 0 44 | 5 26 | 12 9 | 20 13 | 19 49 | 24 46 | | | n.a. |
| T 18 | 22 37 | 4 52 | 3 13 | 14 59 | 2 21 | 15 50 | 0 55 | 2 18 | 0 33 | 4 41 | 1 9 | 22 39 | 0 13 | 20 12 | 0 3 | 21 21 | 0 44 | 5 26 | 12 10 | 20 13 | 19 50 | 24 48 | | | n.a. |
| F 19 | 22 45 | 1n11 | 4 4 | 15 19 | 2 12 | 16 14 | 0 53 | 2 7 | 0 34 | 4 45 | 1 9 | 22 40 | 0 13 | 20 13 | 0 3 | 21 22 | 0 44 | 5 26 | 12 10 | 20 13 | 19 50 | 24 49 | | | n.a. |
| S 20 | 22 53 | 7 23 | 4 42 | 15 41 | 2 3 | 16 38 | 0 50 | 1 56 | 0 35 | 4 49 | 1 9 | 22 41 | 0 13 | 20 13 | 0 3 | 21 22 | 0 44 | 5 25 | 12 10 | 20 13 | 19 51 | 24 50 | | | n.a. |
| S 21 | 23 0 | 13 24 | 5 4 | 16 4 | 1 53 | 17 2 | 0 48 | 1 45 | 0 36 | 4 52 | 1 9 | 22 42 | 0 13 | 20 14 | 0 3 | 21 22 | 0 44 | 5 25 | 12 10 | 20 14 | 19 52 | 24 51 | | | n.a. |
| M22 | 23 7 | 18 51 | 5 7 | 16 27 | 1 43 | 17 25 | 0 45 | 1 34 | 0 37 | 4 56 | 1 10 | 22 43 | 0 13 | 20 15 | 0 3 | 21 23 | 0 44 | 5 25 | 12 11 | 20 16 | 19 53 | 24 52 | | | n.a. |
| T 23 | 23 13 | 23 13 | 4 49 | 16 51 | 1 34 | 17 47 | 0 43 | 1 23 | 0 38 | 5 0 | 1 10 | 22 44 | 0 13 | 20 16 | 0 3 | 21 23 | 0 44 | 5 25 | 12 11 | 20 17 | 19 53 | 24 53 | | | n.a. |
| W24 | 23 19 | 26 2 | 4 10 | 17 16 | 1 24 | 18 9 | 0 40 | 1 12 | 0 39 | 5 3 | 1 10 | 22 44 | 0 13 | 20 16 | 0 3 | 21 24 | 0 44 | 5 24 | 12 11 | 20 19 | 19 54 | 24 55 | | | n.a. |
| T 25 | 23 25 | 26 55 | 3 14 | 17 41 | 1 14 | 18 31 | 0 37 | 1 1 | 0 40 | 5 7 | 1 10 | 22 45 | 0 13 | 20 17 | 0 3 | 21 24 | 0 44 | 5 24 | 12 12 | 20 20 | 19 55 | 24 56 | | | n.a. |
| F 26 | 23 30 | 25 47 | 2 4 | 18 6 | 1 5 | 18 52 | 0 35 | 0 50 | 0 41 | 5 11 | 1 10 | 22 46 | 0 13 | 20 18 | 0 3 | 21 24 | 0 44 | 5 24 | 12 12 | 20 21 | 19 56 | 24 57 | | | n.a. |
| S 27 | 23 35 | 22 51 | 0 48 | 18 32 | 0 56 | 19 12 | 0 32 | 0 38 | 0 42 | 5 14 | 1 10 | 22 47 | 0 13 | 20 19 | 0 3 | 21 25 | 0 44 | 5 24 | 12 12 | 20 22 | 19 56 | 24 58 | | | n.a. |
| S 28 | 23 39 | 18 34 | 0s30 | 18 57 | 0 46 | 19 32 | 0 29 | 0 27 | 0 43 | 5 17 | 1 10 | 22 48 | 0 12 | 20 20 | 0 3 | 21 25 | 0 44 | 5 23 | 12 12 | 20 22 | 19 57 | 24 59 | | | n.a. |
| M29 | 23 43 | 13 24 | 1 43 | 19 23 | 0 37 | 19 52 | 0 27 | 0 15 | 0 44 | 5 21 | 1 10 | 22 49 | 0 12 | 20 20 | 0 3 | 21 25 | 0 44 | 5 23 | 12 13 | 20 21 | 19 58 | 25 0 | | | n.a. |
| T 30 | 23 46 | 7 46 | 2 49 | 19 48 | 0 28 | 20 11 | 0 24 | 0 4 | 0 45 | 5 24 | 1 10 | 22 50 | 0 12 | 20 21 | 0 3 | 21 26 | 0 44 | 5 23 | 12 13 | 20 21 | 19 59 | 25 1 | | | n.a. |
| W31 | 23s49 | 1n59 | 3s43 | 20s13 | 0n19 | 20s29 | 0n22 | 0n 8 | 0n46 | 5s27 | 1n11 | 22s51 | 0n12 | 20s22 | 0s 3 | 21s26 | 0n44 | 5n23 | 12n13 | 20s21 | 19s59 | 25s 2 | | | n.a. |

Julian Day Number = 1006963.5, Delta T = 12h44m31s
Ecliptic obliquity = 23°55'16, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'35, Lahiri = -30°55'35 Julian Calendar 1 Dec. 1957 BCE == Greg. Calendar 14 Nov. 1957 BCE

The year -1956 astronomical counting style corresponds to year 1957 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## JANUARY 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 36 14 | 25♐38'28 | 29♍10 | 1♐ 7 | 2♐33 | 29♓ 4 | 16♎27 | 15♐ 4 | 28♏58 | 8♐29 | 14♎36 | 0°R58 | 2♒29 | 0♐16 | n.a. | T 1 |
| F 2 | 5 40 11 | 26°39'01 | 11♎28 | 2°24 | 3°47 | 29°32 | 16°35 | 15°11 | 29° 2 | 8°31 | 14°37 | 0♒57 | 2°26 | 0°22 | n.a. | F 2 |
| S 3 | 5 44 7 | 27°39'32 | 23°33 | 3°42 | 5° 2 | 29°59 | 16°44 | 15°18 | 29° 5 | 8°33 | 14°38 | 0°54 | 2°22 | 0°29 | n.a. | S 3 |
| S 4 | 5 48 4 | 28°40'02 | 5♏29 | 5° 2 | 6°16 | 0♈27 | 16°52 | 15°25 | 29° 8 | 8°35 | 14°39 | 0°50 | 2°19 | 0°36 | n.a. | S 4 |
| M 5 | 5 52 0 | 29°40'30 | 17°21 | 6°23 | 7°30 | 0°55 | 17° 0 | 15°32 | 29°11 | 8°37 | 14°40 | 0°45 | 2°16 | 0°42 | n.a. | M 5 |
| T 6 | 5 55 57 | 0♑40'56 | 29°11 | 7°46 | 8°45 | 1°23 | 17° 8 | 15°39 | 29°14 | 8°40 | 14°41 | 0°39 | 2°13 | 0°49 | n.a. | T 6 |
| W 7 | 5 59 53 | 1°41'20 | 11♐ 3 | 9°10 | 9°59 | 1°52 | 17°15 | 15°47 | 29°17 | 8°42 | 14°42 | 0°33 | 2°10 | 0°56 | n.a. | W 7 |
| T 8 | 6 3 50 | 2°41'43 | 22°57 | 10°34 | 11°14 | 2°20 | 17°23 | 15°54 | 29°21 | 8°44 | 14°43 | 0°29 | 2° 7 | 1° 3 | n.a. | T 8 |
| F 9 | 6 7 47 | 3°42'04 | 4♑57 | 12° 1 | 12°28 | 2°49 | 17°30 | 16° 1 | 29°24 | 8°46 | 14°43 | 0°25 | 2° 3 | 1° 9 | n.a. | F 9 |
| S 10 | 6 11 43 | 4°42'23 | 17° 3 | 13°28 | 13°42 | 3°18 | 17°38 | 16° 8 | 29°27 | 8°48 | 14°44 | 0°23 | 2° 0 | 1°16 | n.a. | S 10 |
| S 11 | 6 15 40 | 5°42'40 | 29°18 | 14°56 | 14°57 | 3°47 | 17°45 | 16°15 | 29°30 | 8°50 | 14°45 | 0°D22 | 1°57 | 1°23 | n.a. | S 11 |
| M12 | 6 19 36 | 6°42'55 | 11♒43 | 16°25 | 16°11 | 4°16 | 17°52 | 16°21 | 29°33 | 8°52 | 14°46 | 0°23 | 1°54 | 1°29 | n.a. | M12 |
| T 13 | 6 23 33 | 7°43'08 | 24°19 | 17°56 | 17°25 | 4°46 | 17°59 | 16°28 | 29°36 | 8°54 | 14°46 | 0°24 | 1°51 | 1°36 | n.a. | T 13 |
| W14 | 6 27 29 | 8°43'18 | 7♓10 | 19°28 | 18°40 | 5°15 | 18° 5 | 16°35 | 29°39 | 8°56 | 14°47 | 0°25 | 1°48 | 1°43 | n.a. | W14 |
| T 15 | 6 31 26 | 9°43'26 | 20°17 | 21° 0 | 19°54 | 5°45 | 18°12 | 16°42 | 29°42 | 8°58 | 14°48 | 0°27 | 1°44 | 1°49 | n.a. | T 15 |
| F 16 | 6 35 22 | 10°43'32 | 3♈43 | 22°34 | 21° 8 | 6°15 | 18°18 | 16°49 | 29°45 | 9° 0 | 14°48 | 0°28 | 1°41 | 1°56 | n.a. | F 16 |
| S 17 | 6 39 19 | 11°43'35 | 17°29 | 24° 9 | 22°23 | 6°45 | 18°24 | 16°56 | 29°47 | 9° 2 | 14°49 | 0°R28 | 1°38 | 2° 3 | n.a. | S 17 |
| S 18 | 6 43 16 | 12°43'36 | 1♉36 | 25°45 | 23°37 | 7°15 | 18°30 | 17° 3 | 29°50 | 9° 4 | 14°49 | 0°27 | 1°35 | 2°10 | n.a. | S 18 |
| M19 | 6 47 12 | 13°43'35 | 16° 1 | 27°22 | 24°51 | 7°45 | 18°36 | 17° 9 | 29°53 | 9° 6 | 14°50 | 0°25 | 1°32 | 2°16 | n.a. | M19 |
| T 20 | 6 51 9 | 14°43'31 | 0♊43 | 29° 0 | 26° 6 | 8°16 | 18°42 | 17°16 | 29°56 | 9° 8 | 14°50 | 0°24 | 1°28 | 2°23 | n.a. | T 20 |
| W21 | 6 55 5 | 15°43'25 | 15°35 | 0♋39 | 27°20 | 8°46 | 18°48 | 17°23 | 29°59 | 9°10 | 14°51 | 0°22 | 1°25 | 2°30 | n.a. | W21 |
| T 22 | 6 59 2 | 16°43'17 | 0♌30 | 2°19 | 28°34 | 9°17 | 18°53 | 17°29 | 0♐ 1 | 9°12 | 14°51 | 0°20 | 1°22 | 2°36 | n.a. | T 22 |
| F 23 | 7 2 58 | 17°43'07 | 15°20 | 4° 0 | 29°48 | 9°48 | 18°59 | 17°36 | 0° 4 | 9°14 | 14°52 | 0°19 | 1°19 | 2°43 | n.a. | F 23 |
| S 24 | 7 6 55 | 18°42'54 | 29°57 | 5°43 | 1♋ 3 | 10°19 | 19° 4 | 17°42 | 0° 7 | 9°16 | 14°52 | 0°D19 | 1°16 | 2°50 | n.a. | S 24 |
| S 25 | 7 10 51 | 19°42'39 | 14♎15 | 7°26 | 2°17 | 10°50 | 19° 9 | 17°49 | 0° 9 | 9°18 | 14°52 | 0°19 | 1°13 | 2°57 | n.a. | S 25 |
| M26 | 7 14 48 | 20°42'22 | 28° 9 | 9°11 | 3°31 | 11°21 | 19°14 | 17°55 | 0°12 | 9°20 | 14°52 | 0°20 | 1° 9 | 3° 3 | n.a. | M26 |
| T 27 | 7 18 45 | 21°42'03 | 11♍39 | 10°57 | 4°45 | 11°52 | 19°18 | 18° 2 | 0°14 | 9°21 | 14°53 | 0°20 | 1° 6 | 3°10 | n.a. | T 27 |
| W28 | 7 22 41 | 22°41'42 | 24°43 | 12°44 | 5°59 | 12°23 | 19°23 | 18° 8 | 0°17 | 9°23 | 14°53 | 0°21 | 1° 3 | 3°17 | n.a. | W28 |
| T 29 | 7 26 38 | 23°41'19 | 7♎25 | 14°33 | 7°14 | 12°55 | 19°27 | 18°15 | 0°19 | 9°25 | 14°53 | 0°22 | 1° 0 | 3°23 | n.a. | T 29 |
| F 30 | 7 30 34 | 24°40'55 | 19°47 | 16°22 | 8°28 | 13°26 | 19°31 | 18°21 | 0°22 | 9°27 | 14°53 | 0°R22 | 0°57 | 3°30 | n.a. | F 30 |
| S 31 | 7 34 31 | 25♑40'28 | 1♏55 | 18♑13 | 9♑42 | 13♈58 | 19♎35 | 18♐27 | 0♐24 | 9♐28 | 14♎53 | 0♒22 | 0♒54 | 3♐37 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 23s51 | 3s42 | 4s25 | 20s37 | 0n11 | 20s47 | 0n19 | 0n20 | 0n46 | 5s31 | 1n11 | 22s52 | 0n12 | 20s23 | 0s 3 | 21s26 | 0n44 | 5n23 | 12n14 | 20s21 | 20s 0 | 25s 4 | | | n.a. |
| F 2 | 23 53 | 9 7 | 4 54 | 21 1 | 0 2 | 21 4 | 0 16 | 0 32 | 0 47 | 5 34 | 1 11 | 22 53 | 0 12 | 20 23 | 0 3 | 21 27 | 0 44 | 5 23 | 12 14 | 20 21 | 20 1 | 25 5 | | | n.a. |
| S 3 | 23 54 | 14 5 | 5 9 | 21 25 | 0s 6 | 21 21 | 0 14 | 0 44 | 0 48 | 5 37 | 1 11 | 22 54 | 0 12 | 20 24 | 0 3 | 21 27 | 0 44 | 5 22 | 12 14 | 20 22 | 20 2 | 25 6 | | | n.a. |
| S 4 | 23 55 | 18 29 | 5 11 | 21 48 | 0 14 | 21 37 | 0 11 | 0 56 | 0 49 | 5 40 | 1 11 | 22 54 | 0 12 | 20 25 | 0 3 | 21 28 | 0 44 | 5 22 | 12 15 | 20 23 | 20 2 | 25 7 | | | n.a. |
| M 5 | 23 55 | 22 7 | 4 59 | 22 10 | 0 22 | 21 52 | 0 8 | 1 8 | 0 50 | 5 43 | 1 11 | 22 55 | 0 12 | 20 25 | 0 3 | 21 28 | 0 44 | 5 22 | 12 15 | 20 24 | 20 3 | 25 8 | | | n.a. |
| T 6 | 23 55 | 24 50 | 4 34 | 22 32 | 0 30 | 22 7 | 0 6 | 1 20 | 0 50 | 5 46 | 1 11 | 22 56 | 0 12 | 20 26 | 0 3 | 21 28 | 0 44 | 5 22 | 12 15 | 20 25 | 20 4 | 25 9 | | | n.a. |
| W 7 | 23 55 | 26 28 | 3 58 | 22 53 | 0 37 | 22 21 | 0 3 | 1 32 | 0 51 | 5 49 | 1 11 | 22 57 | 0 12 | 20 27 | 0 3 | 21 29 | 0 44 | 5 22 | 12 15 | 20 26 | 20 5 | 25 10 | | | n.a. |
| T 8 | 23 54 | 26 54 | 3 11 | 23 13 | 0 44 | 22 34 | 0 0 | 1 44 | 0 52 | 5 52 | 1 12 | 22 58 | 0 12 | 20 28 | 0 3 | 21 29 | 0 44 | 5 22 | 12 16 | 20 27 | 20 5 | 25 11 | | | n.a. |
| F 9 | 23 52 | 26 4 | 2 15 | 23 32 | 0 51 | 22 47 | 0s 2 | 1 56 | 0 52 | 5 54 | 1 12 | 22 59 | 0 12 | 20 28 | 0 3 | 21 29 | 0 44 | 5 22 | 12 16 | 20 28 | 20 6 | 25 12 | | | n.a. |
| S 10 | 23 50 | 24 0 | 1 13 | 23 50 | 0 58 | 22 59 | 0 5 | 2 9 | 0 53 | 5 57 | 1 12 | 22 59 | 0 12 | 20 29 | 0 3 | 21 30 | 0 44 | 5 22 | 12 16 | 20 28 | 20 7 | 25 13 | | | n.a. |
| S 11 | 23 48 | 20 48 | 0 6 | 24 7 | 1 4 | 23 10 | 0 7 | 2 21 | 0 54 | 6 0 | 1 12 | 23 0 | 0 11 | 20 30 | 0 3 | 21 30 | 0 44 | 5 22 | 12 17 | 20 29 | 20 7 | 25 14 | | | n.a. |
| M12 | 23 45 | 16 38 | 1n 2 | 24 22 | 1 10 | 23 21 | 0 10 | 2 34 | 0 54 | 6 2 | 1 12 | 23 1 | 0 11 | 20 30 | 0 3 | 21 30 | 0 44 | 5 22 | 12 17 | 20 29 | 20 8 | 25 15 | | | n.a. |
| T 13 | 23 41 | 11 40 | 2 8 | 24 37 | 1 16 | 23 31 | 0 12 | 2 46 | 0 55 | 6 5 | 1 12 | 23 2 | 0 11 | 20 31 | 0 3 | 21 31 | 0 44 | 5 22 | 12 17 | 20 28 | 20 9 | 25 16 | | | n.a. |
| W14 | 23 38 | 6 8 | 3 9 | 24 51 | 1 21 | 23 40 | 0 15 | 2 59 | 0 56 | 6 7 | 1 12 | 23 3 | 0 11 | 20 32 | 0 3 | 21 31 | 0 44 | 5 22 | 12 18 | 20 28 | 20 10 | 25 17 | | | n.a. |
| T 15 | 23 33 | 0 14 | 4 1 | 25 3 | 1 27 | 23 49 | 0 17 | 3 11 | 0 56 | 6 10 | 1 12 | 23 3 | 0 11 | 20 32 | 0 3 | 21 31 | 0 44 | 5 22 | 12 18 | 20 28 | 20 10 | 25 18 | | | n.a. |
| F 16 | 23 29 | 5n48 | 4 42 | 25 14 | 1 32 | 23 57 | 0 20 | 3 24 | 0 57 | 6 12 | 1 13 | 23 4 | 0 11 | 20 33 | 0 3 | 21 32 | 0 44 | 5 22 | 12 18 | 20 27 | 20 11 | 25 19 | | | n.a. |
| S 17 | 23 23 | 11 43 | 5 8 | 25 23 | 1 36 | 24 4 | 0 22 | 3 36 | 0 57 | 6 14 | 1 13 | 23 5 | 0 11 | 20 34 | 0 3 | 21 32 | 0 44 | 5 22 | 12 19 | 20 27 | 20 12 | 25 20 | | | n.a. |
| S 18 | 23 18 | 17 11 | 5 16 | 25 31 | 1 40 | 24 10 | 0 25 | 3 49 | 0 58 | 6 17 | 1 13 | 23 6 | 0 11 | 20 34 | 0 3 | 21 32 | 0 44 | 5 22 | 12 19 | 20 28 | 20 12 | 25 21 | | | n.a. |
| M19 | 23 12 | 21 48 | 5 4 | 25 38 | 1 44 | 24 16 | 0 27 | 4 2 | 0 59 | 6 19 | 1 13 | 23 6 | 0 11 | 20 35 | 0 3 | 21 32 | 0 44 | 5 23 | 12 19 | 20 28 | 20 13 | 25 22 | | | n.a. |
| T 20 | 23 5 | 25 9 | 4 33 | 25 43 | 1 48 | 24 21 | 0 29 | 4 15 | 0 59 | 6 21 | 1 13 | 23 7 | 0 11 | 20 35 | 0 3 | 21 33 | 0 44 | 5 23 | 12 20 | 20 28 | 20 14 | 25 23 | | | n.a. |
| W21 | 22 58 | 26 49 | 3 43 | 25 46 | 1 51 | 24 25 | 0 32 | 4 27 | 1 0 | 6 23 | 1 13 | 23 8 | 0 11 | 20 36 | 0 3 | 21 33 | 0 44 | 5 23 | 12 20 | 20 29 | 20 15 | 25 24 | | | n.a. |
| T 22 | 22 51 | 26 33 | 2 38 | 25 48 | 1 54 | 24 29 | 0 34 | 4 40 | 1 0 | 6 25 | 1 13 | 23 8 | 0 11 | 20 37 | 0 3 | 21 33 | 0 44 | 5 23 | 12 20 | 20 29 | 20 15 | 25 25 | | | n.a. |
| F 23 | 22 43 | 24 23 | 1 22 | 25 48 | 1 56 | 24 31 | 0 36 | 4 53 | 1 1 | 6 27 | 1 14 | 23 9 | 0 11 | 20 37 | 0 3 | 21 34 | 0 44 | 5 23 | 12 21 | 20 29 | 20 16 | 25 26 | | | n.a. |
| S 24 | 22 35 | 20 36 | 0 2 | 25 46 | 1 58 | 24 33 | 0 38 | 5 6 | 1 1 | 6 29 | 1 14 | 23 10 | 0 11 | 20 38 | 0 3 | 21 34 | 0 44 | 5 23 | 12 21 | 20 29 | 20 17 | 25 27 | | | n.a. |
| S 25 | 22 26 | 15 40 | 1s16 | 25 42 | 2 0 | 24 35 | 0 41 | 5 19 | 1 2 | 6 30 | 1 14 | 23 11 | 0 10 | 20 38 | 0 3 | 21 34 | 0 44 | 5 24 | 12 21 | 20 29 | 20 17 | 25 27 | | | n.a. |
| M26 | 22 17 | 10 2 | 2 28 | 25 36 | 2 1 | 24 35 | 0 43 | 5 32 | 1 2 | 6 32 | 1 14 | 23 11 | 0 10 | 20 39 | 0 3 | 21 34 | 0 44 | 5 24 | 12 22 | 20 29 | 20 18 | 25 28 | | | n.a. |
| T 27 | 22 8 | 4 7 | 3 30 | 25 29 | 2 2 | 24 35 | 0 45 | 5 44 | 1 3 | 6 34 | 1 14 | 23 12 | 0 10 | 20 39 | 0 3 | 21 35 | 0 44 | 5 24 | 12 22 | 20 29 | 20 19 | 25 29 | | | n.a. |
| W28 | 21 58 | 1s48 | 4 18 | 25 19 | 2 2 | 24 34 | 0 47 | 5 57 | 1 3 | 6 35 | 1 14 | 23 13 | 0 10 | 20 40 | 0 3 | 21 35 | 0 44 | 5 24 | 12 22 | 20 29 | 20 20 | 25 30 | | | n.a. |
| T 29 | 21 48 | 7 27 | 4 52 | 25 8 | 2 2 | 24 32 | 0 49 | 6 10 | 1 4 | 6 37 | 1 14 | 23 13 | 0 10 | 20 41 | 0 3 | 21 35 | 0 44 | 5 25 | 12 23 | 20 29 | 20 20 | 25 31 | | | n.a. |
| F 30 | 21 37 | 12 41 | 5 12 | 24 54 | 2 1 | 24 29 | 0 51 | 6 23 | 1 4 | 6 38 | 1 15 | 23 14 | 0 10 | 20 41 | 0 3 | 21 36 | 0 44 | 5 25 | 12 23 | 20 29 | 20 21 | 25 32 | | | n.a. |
| S 31 | 21s26 | 17s19 | 5s17 | 24s38 | 2s 0 | 24s26 | 0s53 | 6n36 | 1n 5 | 6s40 | 1n15 | 23s14 | 0n10 | 20s42 | 0s 3 | 21s36 | 0n44 | 5n25 | 12n23 | 20s29 | 20s22 | 25s33 | | | n.a. |

Julian Day Number = 1006994.5, Delta T = 12h44m29s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'31, Lahiri = -30°55'31 Julian Calendar 1 Jan. 1956 BCE == Greg. Calendar 15 Dec. 1957 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## FEBRUARY 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 38 27 | 26♉39'59 | 13♏53 | 20♉ 5 | 10♉56 | 14♈30 | 19♎39 | 18♐33 | 0♐26 | 9♐30 | 14♎53 | 0°R22 | 0♒50 | 3♐43 | n.a. | S 1 |
| M 2 | 7 42 24 | 27°39'29 | 25°44 | 21°58 | 12°10 | 15° 2 | 19°42 | 18°40 | 0°29 | 9°32 | 14°R53 | 0♒22 | 0°47 | 3°50 | n.a. | M 2 |
| T 3 | 7 46 20 | 28°38'56 | 7♐35 | 23°52 | 13°24 | 15°34 | 19°46 | 18°46 | 0°31 | 9°33 | 14°53 | 0°21 | 0°44 | 3°57 | n.a. | T 3 |
| W 4 | 7 50 17 | 29°38'22 | 19°28 | 25°48 | 14°39 | 16° 6 | 19°49 | 18°52 | 0°33 | 9°35 | 14°53 | 0°21 | 0°41 | 4° 4 | n.a. | W 4 |
| T 5 | 7 54 13 | 0♒37'45 | 1♉26 | 27°45 | 15°53 | 16°38 | 19°52 | 18°58 | 0°35 | 9°37 | 14°53 | 0°D21 | 0°38 | 4°10 | n.a. | T 5 |
| F 6 | 7 58 10 | 1°37'07 | 13°34 | 29°42 | 17° 7 | 17°10 | 19°55 | 19° 4 | 0°38 | 9°38 | 14°53 | 0°21 | 0°34 | 4°17 | n.a. | F 6 |
| S 7 | 8 2 7 | 2°36'26 | 25°52 | 1♒41 | 18°21 | 17°43 | 19°58 | 19°10 | 0°40 | 9°40 | 14°53 | 0°R21 | 0°31 | 4°24 | n.a. | S 7 |
| S 8 | 8 6 3 | 3°35'43 | 8♒23 | 3°41 | 19°35 | 18°15 | 20° 0 | 19°16 | 0°42 | 9°41 | 14°53 | 0°21 | 0°28 | 4°30 | n.a. | S 8 |
| M 9 | 8 10 0 | 4°34'58 | 21° 6 | 5°42 | 20°49 | 18°48 | 20° 3 | 19°22 | 0°44 | 9°43 | 14°52 | 0°21 | 0°25 | 4°37 | n.a. | M 9 |
| T 10 | 8 13 56 | 5°34'10 | 4♓ 4 | 7°43 | 22° 3 | 19°20 | 20° 5 | 19°27 | 0°46 | 9°44 | 14°52 | 0°21 | 0°22 | 4°44 | n.a. | T 10 |
| W11 | 8 17 53 | 6°33'20 | 17°15 | 9°45 | 23°17 | 19°53 | 20° 7 | 19°33 | 0°48 | 9°46 | 14°52 | 0°20 | 0°19 | 4°50 | n.a. | W11 |
| T 12 | 8 21 49 | 7°32'27 | 0♈40 | 11°48 | 24°31 | 20°26 | 20° 9 | 19°39 | 0°50 | 9°47 | 14°51 | 0°19 | 0°15 | 4°57 | n.a. | T 12 |
| F 13 | 8 25 46 | 8°31'33 | 14°18 | 13°51 | 25°46 | 20°59 | 20°10 | 19°44 | 0°51 | 9°49 | 14°51 | 0°18 | 0°12 | 5° 4 | n.a. | F 13 |
| S 14 | 8 29 42 | 9°30'35 | 28° 9 | 15°54 | 27° 0 | 21°32 | 20°12 | 19°50 | 0°53 | 9°50 | 14°51 | 0°18 | 0° 9 | 5°11 | n.a. | S 14 |
| S 15 | 8 33 39 | 10°29'35 | 12♉11 | 17°56 | 28°14 | 22° 5 | 20°13 | 19°55 | 0°55 | 9°51 | 14°50 | 0°D17 | 0° 6 | 5°17 | n.a. | S 15 |
| M16 | 8 37 35 | 11°28'33 | 26°24 | 19°58 | 29°28 | 22°38 | 20°14 | 20° 1 | 0°57 | 9°53 | 14°50 | 0°18 | 0° 3 | 5°24 | n.a. | M16 |
| T 17 | 8 41 32 | 12°27'28 | 10♊45 | 22° 0 | 0♒42 | 23°11 | 20°15 | 20° 6 | 0°58 | 9°54 | 14°49 | 0°18 | 29♉59 | 5°31 | n.a. | T 17 |
| W18 | 8 45 29 | 13°26'21 | 25°11 | 24° 0 | 1°56 | 23°44 | 20°16 | 20°11 | 1° 0 | 9°55 | 14°49 | 0°19 | 29°56 | 5°37 | n.a. | W18 |
| T 19 | 8 49 25 | 14°25'12 | 9♋38 | 25°59 | 3°10 | 24°18 | 20°16 | 20°16 | 1° 2 | 9°57 | 14°48 | 0°20 | 29°53 | 5°44 | n.a. | T 19 |
| F 20 | 8 53 22 | 15°24'00 | 24° 2 | 27°55 | 4°24 | 24°51 | 20°17 | 20°22 | 1° 3 | 9°58 | 14°48 | 0°R21 | 29°50 | 5°51 | n.a. | F 20 |
| S 21 | 8 57 18 | 16°22'45 | 8♌17 | 29°50 | 5°38 | 25°24 | 20°R17 | 20°27 | 1° 5 | 9°59 | 14°47 | 0°21 | 29°47 | 5°57 | n.a. | S 21 |
| S 22 | 9 1 15 | 17°21'29 | 22°19 | 1♓42 | 6°52 | 25°58 | 20°17 | 20°32 | 1° 6 | 10° 0 | 14°46 | 0°20 | 29°44 | 6° 4 | n.a. | S 22 |
| M23 | 9 5 11 | 18°20'10 | 6♍ 4 | 3°31 | 8° 6 | 26°32 | 20°16 | 20°37 | 1° 7 | 10° 1 | 14°46 | 0°18 | 29°40 | 6°11 | n.a. | M23 |
| T 24 | 9 9 8 | 19°18'49 | 19°29 | 5°16 | 9°20 | 27° 5 | 20°16 | 20°42 | 1° 9 | 10° 2 | 14°45 | 0°16 | 29°37 | 6°18 | n.a. | T 24 |
| W25 | 9 13 4 | 20°17'26 | 2♎33 | 6°58 | 10°33 | 27°39 | 20°15 | 20°46 | 1°10 | 10° 3 | 14°44 | 0°13 | 29°34 | 6°24 | n.a. | W25 |
| T 26 | 9 17 1 | 21°16'02 | 15°17 | 8°36 | 11°47 | 28°13 | 20°15 | 20°51 | 1°11 | 10° 4 | 14°44 | 0°10 | 29°31 | 6°31 | n.a. | T 26 |
| F 27 | 9 20 57 | 22°14'35 | 27°43 | 10°10 | 13° 1 | 28°46 | 20°14 | 20°56 | 1°13 | 10° 5 | 14°43 | 0° 7 | 29°28 | 6°38 | n.a. | F 27 |
| S 28 | 9 24 54 | 23♒13'07 | 9♏53 | 11♓39 | 14♒15 | 29♈20 | 20♎13 | 21♐ 0 | 1♐14 | 10♐ 6 | 14♎42 | 0♒ 6 | 29♉25 | 6♐44 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| S 1 | 21s15 | 21s13 | 5s 8 | 24s20 | 1s58 | 24s22 | 0s55 | 6n49 | 1n 5 | 6s41 | 1n15 | 23s15 | 0n10 | 20s42 | 0s 3 | 21s36 | 0n44 | 5n25 | 12n24 | 20s29 | 20s22 | 25s34 | | | n.a. |
| M 2 | 21 3 | 24 13 | 4 47 | 24 0 | 1 56 | 24 17 | 0 56 | 7 2 | 1 5 | 6 42 | 1 15 | 23 16 | 0 10 | 20 43 | 0 3 | 21 36 | 0 44 | 5 26 | 12 24 | 20 29 | 20 23 | 25 35 | | | n.a. |
| T 3 | 20 51 | 26 10 | 4 13 | 23 37 | 1 53 | 24 12 | 0 58 | 7 15 | 1 6 | 6 43 | 1 15 | 23 16 | 0 10 | 20 43 | 0 3 | 21 37 | 0 44 | 5 26 | 12 24 | 20 29 | 20 24 | 25 35 | | | n.a. |
| W 4 | 20 38 | 26 57 | 3 28 | 23 13 | 1 50 | 24 5 | 1 0 | 7 28 | 1 6 | 6 45 | 1 15 | 23 17 | 0 10 | 20 44 | 0 3 | 21 37 | 0 44 | 5 26 | 12 25 | 20 29 | 20 25 | 25 36 | | | n.a. |
| T 5 | 20 25 | 26 28 | 2 34 | 22 46 | 1 46 | 23 58 | 1 2 | 7 41 | 1 7 | 6 46 | 1 16 | 23 17 | 0 10 | 20 44 | 0 3 | 21 37 | 0 44 | 5 27 | 12 25 | 20 29 | 20 25 | 25 37 | | | n.a. |
| F 6 | 20 12 | 24 44 | 1 32 | 22 16 | 1 41 | 23 51 | 1 3 | 7 54 | 1 7 | 6 47 | 1 16 | 23 18 | 0 10 | 20 45 | 0 3 | 21 37 | 0 44 | 5 27 | 12 25 | 20 29 | 20 26 | 25 38 | | | n.a. |
| S 7 | 19 58 | 21 48 | 0 25 | 21 45 | 1 36 | 23 42 | 1 5 | 8 7 | 1 7 | 6 47 | 1 16 | 23 19 | 0 10 | 20 45 | 0 3 | 21 37 | 0 44 | 5 27 | 12 26 | 20 29 | 20 27 | 25 39 | | | n.a. |
| S 8 | 19 44 | 17 49 | 0n44 | 21 11 | 1 31 | 23 33 | 1 6 | 8 20 | 1 8 | 6 48 | 1 16 | 23 19 | 0 9 | 20 45 | 0 3 | 21 38 | 0 44 | 5 28 | 12 26 | 20 29 | 20 27 | 25 39 | | | n.a. |
| M 9 | 19 30 | 12 59 | 1 53 | 20 35 | 1 24 | 23 23 | 1 8 | 8 33 | 1 8 | 6 49 | 1 16 | 23 20 | 0 9 | 20 46 | 0 3 | 21 38 | 0 44 | 5 28 | 12 26 | 20 29 | 20 28 | 25 40 | | | n.a. |
| T 10 | 19 15 | 7 29 | 2 56 | 19 57 | 1 18 | 23 13 | 1 9 | 8 46 | 1 8 | 6 50 | 1 16 | 23 20 | 0 9 | 20 46 | 0 3 | 21 38 | 0 44 | 5 28 | 12 27 | 20 29 | 20 29 | 25 41 | | | n.a. |
| W11 | 19 0 | 1 35 | 3 52 | 19 17 | 1 10 | 23 1 | 1 11 | 8 59 | 1 9 | 6 50 | 1 16 | 23 21 | 0 9 | 20 47 | 0 3 | 21 38 | 0 44 | 5 29 | 12 27 | 20 29 | 20 29 | 25 42 | | | n.a. |
| T 12 | 18 45 | 4n28 | 4 35 | 18 35 | 1 2 | 22 50 | 1 12 | 9 12 | 1 9 | 6 51 | 1 17 | 23 21 | 0 9 | 20 47 | 0 3 | 21 39 | 0 44 | 5 29 | 12 27 | 20 29 | 20 30 | 25 43 | | | n.a. |
| F 13 | 18 30 | 10 24 | 5 5 | 17 51 | 0 53 | 22 37 | 1 13 | 9 25 | 1 9 | 6 51 | 1 17 | 23 22 | 0 9 | 20 48 | 0 3 | 21 39 | 0 44 | 5 30 | 12 28 | 20 30 | 20 31 | 25 43 | | | n.a. |
| S 14 | 18 14 | 15 56 | 5 16 | 17 6 | 0 44 | 22 24 | 1 14 | 9 38 | 1 10 | 6 52 | 1 17 | 23 22 | 0 9 | 20 48 | 0 3 | 21 39 | 0 44 | 5 30 | 12 28 | 20 30 | 20 32 | 25 44 | | | n.a. |
| S 15 | 17 58 | 20 42 | 5 10 | 16 18 | 0 34 | 22 10 | 1 15 | 9 51 | 1 10 | 6 52 | 1 17 | 23 23 | 0 9 | 20 48 | 0 3 | 21 39 | 0 44 | 5 31 | 12 28 | 20 30 | 20 32 | 25 45 | | | n.a. |
| M16 | 17 41 | 24 20 | 4 45 | 15 30 | 0 24 | 21 55 | 1 17 | 10 4 | 1 10 | 6 52 | 1 17 | 23 23 | 0 9 | 20 49 | 0 3 | 21 39 | 0 44 | 5 31 | 12 29 | 20 30 | 20 33 | 25 46 | | | n.a. |
| T 17 | 17 24 | 26 29 | 4 1 | 14 40 | 0 13 | 21 40 | 1 18 | 10 17 | 1 11 | 6 53 | 1 17 | 23 24 | 0 9 | 20 49 | 0 3 | 21 40 | 0 44 | 5 31 | 12 29 | 20 29 | 20 34 | 25 46 | | | n.a. |
| W18 | 17 7 | 26 52 | 3 3 | 13 50 | 0 2 | 21 24 | 1 19 | 10 29 | 1 11 | 6 53 | 1 17 | 23 24 | 0 9 | 20 49 | 0 3 | 21 40 | 0 44 | 5 32 | 12 29 | 20 29 | 20 34 | 25 47 | | | n.a. |
| T 19 | 16 50 | 25 26 | 1 52 | 12 58 | 0n 9 | 21 8 | 1 19 | 10 42 | 1 11 | 6 53 | 1 18 | 23 25 | 0 9 | 20 50 | 0 3 | 21 40 | 0 44 | 5 32 | 12 29 | 20 29 | 20 35 | 25 48 | | | n.a. |
| F 20 | 16 32 | 22 19 | 0 35 | 12 7 | 0 21 | 20 51 | 1 20 | 10 55 | 1 12 | 6 53 | 1 18 | 23 25 | 0 9 | 20 50 | 0 3 | 21 40 | 0 44 | 5 33 | 12 30 | 20 29 | 20 36 | 25 49 | | | n.a. |
| S 21 | 16 15 | 17 51 | 0s44 | 11 15 | 0 33 | 20 33 | 1 21 | 11 8 | 1 12 | 6 53 | 1 18 | 23 26 | 0 9 | 20 50 | 0 3 | 21 40 | 0 44 | 5 33 | 12 30 | 20 29 | 20 36 | 25 49 | | | n.a. |
| S 22 | 15 57 | 12 29 | 1 58 | 10 23 | 0 45 | 20 15 | 1 22 | 11 21 | 1 12 | 6 53 | 1 18 | 23 26 | 0 9 | 20 51 | 0 3 | 21 40 | 0 44 | 5 34 | 12 30 | 20 29 | 20 37 | 25 50 | | | n.a. |
| M23 | 15 38 | 6 37 | 3 5 | 9 32 | 0 57 | 19 56 | 1 22 | 11 33 | 1 12 | 6 52 | 1 18 | 23 26 | 0 8 | 20 51 | 0 3 | 21 41 | 0 44 | 5 34 | 12 31 | 20 29 | 20 38 | 25 51 | | | n.a. |
| T 24 | 15 20 | 0 36 | 3 59 | 8 42 | 1 9 | 19 37 | 1 23 | 11 46 | 1 13 | 6 52 | 1 18 | 23 27 | 0 8 | 20 51 | 0 3 | 21 41 | 0 44 | 5 35 | 12 31 | 20 30 | 20 38 | 25 51 | | | n.a. |
| W25 | 15 1 | 5s17 | 4 39 | 7 53 | 1 21 | 19 17 | 1 23 | 11 59 | 1 13 | 6 52 | 1 18 | 23 27 | 0 8 | 20 52 | 0 3 | 21 41 | 0 44 | 5 35 | 12 31 | 20 31 | 20 39 | 25 52 | | | n.a. |
| T 26 | 14 42 | 10 48 | 5 4 | 7 5 | 1 33 | 18 56 | 1 24 | 12 11 | 1 13 | 6 51 | 1 19 | 23 28 | 0 8 | 20 52 | 0 3 | 21 41 | 0 44 | 5 36 | 12 31 | 20 31 | 20 40 | 25 53 | | | n.a. |
| F 27 | 14 23 | 15 44 | 5 14 | 6 18 | 1 44 | 18 35 | 1 24 | 12 24 | 1 13 | 6 51 | 1 19 | 23 28 | 0 8 | 20 52 | 0 3 | 21 41 | 0 44 | 5 37 | 12 32 | 20 32 | 20 40 | 25 54 | | | n.a. |
| S 28 | 14s 3 | 19s57 | 5s10 | 5s34 | 1n55 | 18s14 | 1s25 | 12n36 | 1n14 | 6s50 | 1n19 | 23s28 | 0n 8 | 20s52 | 0s 3 | 21s41 | 0n44 | 5n37 | 12n32 | 20s32 | 20s41 | 25s54 | | | n.a. |

Julian Day Number = 1007025.5, Delta T = 12h44m27s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'27, Lahiri = -30°55'26 Julian Calendar 1 Feb. 1956 BCE == Greg. Calendar 15 Jan. 1956 BCE


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## MARCH 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 28 51 | 24♒11'36 | 21♏53 | 13♓ 4 | 15♒29 | 29♈54 | 20°R11 | 21♐ 5 | 1♐15 | 10♐ 7 | 14°R41 | 0°D 5 | 29♑21 | 6♐51 | n.a. | S 1 |
| M 2 | 9 32 47 | 25°10'04 | 3♐45 | 14°23 | 16°43 | 0♉28 | 20♎10 | 21° 9 | 1°16 | 10° 8 | 14♎40 | 0♒ 5 | 29°18 | 6°58 | n.a. | M 2 |
| T 3 | 9 36 44 | 26° 8'31 | 15°36 | 15°38 | 17°57 | 1° 2 | 20° 8 | 21°14 | 1°17 | 10° 9 | 14°39 | 0° 6 | 29°15 | 7° 4 | n.a. | T 3 |
| W 4 | 9 40 40 | 27° 6'55 | 27°31 | 16°47 | 19°11 | 1°36 | 20° 6 | 21°18 | 1°18 | 10°10 | 14°38 | 0° 8 | 29°12 | 7°11 | n.a. | W 4 |
| T 5 | 9 44 37 | 28° 5'18 | 9♑32 | 17°52 | 20°25 | 2°11 | 20° 4 | 21°22 | 1°19 | 10°11 | 14°37 | 0°10 | 29° 9 | 7°18 | n.a. | T 5 |
| F 6 | 9 48 33 | 29° 3'39 | 21°46 | 18°50 | 21°39 | 2°45 | 20° 2 | 21°26 | 1°20 | 10°12 | 14°36 | 0°11 | 29° 5 | 7°25 | n.a. | F 6 |
| S 7 | 9 52 30 | 0♓ 1'58 | 4♒14 | 19°43 | 22°53 | 3°19 | 19°59 | 21°30 | 1°21 | 10°12 | 14°35 | 0°R11 | 29° 2 | 7°31 | n.a. | S 7 |
| S 8 | 9 56 26 | 1° 0'15 | 17° 0 | 20°31 | 24° 7 | 3°53 | 19°56 | 21°34 | 1°21 | 10°13 | 14°34 | 0°10 | 28°59 | 7°38 | n.a. | S 8 |
| M 9 | 10 0 23 | 1°58'30 | 0♓ 3 | 21°13 | 25°20 | 4°28 | 19°54 | 21°38 | 1°22 | 10°14 | 14°33 | 0° 7 | 28°56 | 7°45 | n.a. | M 9 |
| T 10 | 10 4 19 | 2°56'43 | 13°25 | 21°49 | 26°34 | 5° 2 | 19°51 | 21°42 | 1°23 | 10°14 | 14°32 | 0° 3 | 28°53 | 7°51 | n.a. | T 10 |
| W11 | 10 8 16 | 3°54'54 | 27° 2 | 22°19 | 27°48 | 5°37 | 19°47 | 21°46 | 1°23 | 10°15 | 14°31 | 29♑58 | 28°50 | 7°58 | n.a. | W11 |
| T 12 | 10 12 13 | 4°53'03 | 10♈53 | 22°44 | 29° 2 | 6°11 | 19°44 | 21°50 | 1°24 | 10°16 | 14°30 | 29°53 | 28°46 | 8° 5 | n.a. | T 12 |
| F 13 | 10 16 9 | 5°51'11 | 24°53 | 23° 3 | 0♓16 | 6°46 | 19°41 | 21°53 | 1°24 | 10°16 | 14°29 | 29°48 | 28°43 | 8°11 | n.a. | F 13 |
| S 14 | 10 20 6 | 6°49'16 | 9♉ 1 | 23°16 | 1°30 | 7°20 | 19°37 | 21°57 | 1°25 | 10°17 | 14°28 | 29°44 | 28°40 | 8°18 | n.a. | S 14 |
| S 15 | 10 24 2 | 7°47'19 | 23°12 | 23°23 | 2°44 | 7°55 | 19°33 | 22° 0 | 1°25 | 10°17 | 14°26 | 29°41 | 28°37 | 8°25 | n.a. | S 15 |
| M16 | 10 27 59 | 8°45'20 | 7♊23 | 23°R25 | 3°57 | 8°30 | 19°29 | 22° 3 | 1°26 | 10°18 | 14°25 | 29°D40 | 28°34 | 8°31 | n.a. | M16 |
| T 17 | 10 31 55 | 9°43'19 | 21°34 | 23°22 | 5°11 | 9° 5 | 19°25 | 22° 7 | 1°26 | 10°18 | 14°24 | 29°41 | 28°31 | 8°38 | n.a. | T 17 |
| W18 | 10 35 52 | 10°41'15 | 5♋41 | 23°13 | 6°25 | 9°39 | 19°21 | 22°10 | 1°26 | 10°18 | 14°23 | 29°42 | 28°27 | 8°45 | n.a. | W18 |
| T 19 | 10 39 48 | 11°39'10 | 19°43 | 23° 0 | 7°39 | 10°14 | 19°16 | 22°13 | 1°26 | 10°19 | 14°21 | 29°43 | 28°24 | 8°52 | n.a. | T 19 |
| F 20 | 10 43 45 | 12°37'03 | 3♌40 | 22°42 | 8°53 | 10°49 | 19°11 | 22°16 | 1°27 | 10°19 | 14°20 | 29°R43 | 28°21 | 8°58 | n.a. | F 20 |
| S 21 | 10 47 41 | 13°34'54 | 17°28 | 22°19 | 10° 6 | 11°24 | 19° 7 | 22°19 | 1°27 | 10°19 | 14°19 | 29°42 | 28°18 | 9° 5 | n.a. | S 21 |
| S 22 | 10 51 38 | 14°32'43 | 1♍ 6 | 21°53 | 11°20 | 11°59 | 19° 2 | 22°22 | 1°27 | 10°20 | 14°18 | 29°39 | 28°15 | 9°12 | n.a. | S 22 |
| M23 | 10 55 35 | 15°30'30 | 14°31 | 21°24 | 12°34 | 12°34 | 18°57 | 22°24 | 1°R27 | 10°20 | 14°16 | 29°33 | 28°11 | 9°18 | n.a. | M23 |
| T 24 | 10 59 31 | 16°28'15 | 27°42 | 20°52 | 13°48 | 13° 9 | 18°51 | 22°27 | 1°27 | 10°20 | 14°15 | 29°26 | 28° 8 | 9°25 | n.a. | T 24 |
| W25 | 11 3 28 | 17°25'59 | 10♎37 | 20°18 | 15° 1 | 13°44 | 18°46 | 22°29 | 1°27 | 10°20 | 14°13 | 29°18 | 28° 5 | 9°32 | n.a. | W25 |
| T 26 | 11 7 24 | 18°23'41 | 23°15 | 19°42 | 16°15 | 14°19 | 18°40 | 22°32 | 1°27 | 10°20 | 14°12 | 29° 9 | 28° 2 | 9°38 | n.a. | T 26 |
| F 27 | 11 11 21 | 19°21'22 | 5♏38 | 19° 6 | 17°29 | 14°54 | 18°35 | 22°34 | 1°26 | 10°21 | 14°11 | 29° 1 | 27°59 | 9°45 | n.a. | F 27 |
| S 28 | 11 15 17 | 20°19'02 | 17°47 | 18°29 | 18°43 | 15°30 | 18°29 | 22°36 | 1°26 | 10°21 | 14° 9 | 28°55 | 27°56 | 9°52 | n.a. | S 28 |
| S 29 | 11 19 14 | 21°16'40 | 29°46 | 17°53 | 19°56 | 16° 5 | 18°23 | 22°39 | 1°26 | 10°21 | 14° 8 | 28°50 | 27°52 | 9°58 | n.a. | S 29 |
| M30 | 11 23 10 | 22°14'18 | 11♐39 | 17°18 | 21°10 | 16°40 | 18°17 | 22°41 | 1°26 | 10°R21 | 14° 6 | 28°48 | 27°49 | 10° 5 | n.a. | M30 |
| T 31 | 11 27 7 | 23♓11'54 | 23♐29 | 16♓44 | 22♓24 | 17♉15 | 18♎11 | 22♐43 | 1♐25 | 10♐21 | 14♎ 5 | 28°D47 | 27♑46 | 10♐12 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| S 1 | 13s43 | 23s18 | 4s52 | 4s51 | 2n 6 | 17s52 | 1s25 | 12n49 | 1n14 | 6s50 | 1n19 | 23s29 | 0n 8 | 20s53 | 0s 3 | 21s41 | 0n44 | 5n38 | 12n32 | 20s32 | 20s42 | 25s55 | | n.a. |
| M 2 | 13 23 | 25 37 | 4 22 | 4 11 | 2 16 | 17 29 | 1 25 | 13 1 | 1 14 | 6 49 | 1 19 | 23 29 | 0 8 | 20 53 | 0 3 | 21 42 | 0 44 | 5 38 | 12 32 | 20 32 | 20 42 | 25 55 | | n.a. |
| T 3 | 13 3 | 26 47 | 3 41 | 3 33 | 2 26 | 17 6 | 1 25 | 13 13 | 1 14 | 6 48 | 1 19 | 23 30 | 0 8 | 20 53 | 0 3 | 21 42 | 0 44 | 5 39 | 12 33 | 20 32 | 20 43 | 25 56 | | n.a. |
| W 4 | 12 43 | 26 44 | 2 50 | 2 57 | 2 35 | 16 43 | 1 25 | 13 26 | 1 15 | 6 47 | 1 19 | 23 30 | 0 8 | 20 53 | 0 3 | 21 42 | 0 44 | 5 39 | 12 33 | 20 32 | 20 44 | 25 57 | | n.a. |
| T 5 | 12 23 | 25 25 | 1 51 | 2 24 | 2 43 | 16 19 | 1 25 | 13 38 | 1 15 | 6 46 | 1 19 | 23 30 | 0 8 | 20 54 | 0 3 | 21 42 | 0 44 | 5 40 | 12 33 | 20 31 | 20 44 | 25 57 | | n.a. |
| F 6 | 12 2 | 22 53 | 0 46 | 1 54 | 2 50 | 15 55 | 1 25 | 13 50 | 1 15 | 6 45 | 1 20 | 23 31 | 0 8 | 20 54 | 0 3 | 21 42 | 0 44 | 5 41 | 12 33 | 20 31 | 20 45 | 25 58 | | n.a. |
| S 7 | 11 41 | 19 14 | 0n22 | 1 27 | 2 57 | 15 30 | 1 25 | 14 3 | 1 15 | 6 44 | 1 20 | 23 31 | 0 8 | 20 54 | 0 3 | 21 42 | 0 44 | 5 41 | 12 34 | 20 31 | 20 46 | 25 59 | | n.a. |
| S 8 | 11 20 | 14 37 | 1 31 | 1 3 | 3 3 | 15 5 | 1 25 | 14 15 | 1 15 | 6 43 | 1 20 | 23 31 | 0 8 | 20 54 | 0 3 | 21 42 | 0 44 | 5 42 | 12 34 | 20 31 | 20 46 | 25 59 | | n.a. |
| M 9 | 10 59 | 9 15 | 2 36 | 0 42 | 3 7 | 14 40 | 1 25 | 14 27 | 1 16 | 6 42 | 1 20 | 23 32 | 0 7 | 20 54 | 0 3 | 21 42 | 0 44 | 5 42 | 12 34 | 20 32 | 20 47 | 26 0 | | n.a. |
| T 10 | 10 38 | 3 22 | 3 34 | 0 24 | 3 11 | 14 14 | 1 24 | 14 39 | 1 16 | 6 41 | 1 20 | 23 32 | 0 7 | 20 54 | 0 3 | 21 42 | 0 44 | 5 43 | 12 34 | 20 33 | 20 48 | 26 0 | | n.a. |
| W11 | 10 16 | 2n47 | 4 21 | 0 9 | 3 14 | 13 47 | 1 24 | 14 51 | 1 16 | 6 39 | 1 20 | 23 32 | 0 7 | 20 55 | 0 4 | 21 42 | 0 44 | 5 44 | 12 34 | 20 34 | 20 48 | 26 1 | | n.a. |
| T 12 | 9 55 | 8 53 | 4 54 | 0n 2 | 3 15 | 13 21 | 1 24 | 15 3 | 1 16 | 6 38 | 1 20 | 23 33 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 44 | 12 35 | 20 35 | 20 49 | 26 2 | | n.a. |
| F 13 | 9 33 | 14 36 | 5 10 | 0 10 | 3 15 | 12 54 | 1 23 | 15 14 | 1 16 | 6 37 | 1 20 | 23 33 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 45 | 12 35 | 20 36 | 20 50 | 26 2 | | n.a. |
| S 14 | 9 11 | 19 37 | 5 7 | 0 14 | 3 15 | 12 26 | 1 23 | 15 26 | 1 16 | 6 35 | 1 20 | 23 33 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 45 | 12 35 | 20 37 | 20 50 | 26 3 | | n.a. |
| S 15 | 8 49 | 23 32 | 4 45 | 0 15 | 3 12 | 11 59 | 1 22 | 15 38 | 1 17 | 6 34 | 1 21 | 23 33 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 46 | 12 35 | 20 38 | 20 51 | 26 3 | | n.a. |
| M16 | 8 27 | 26 1 | 4 6 | 0 13 | 3 9 | 11 31 | 1 21 | 15 50 | 1 17 | 6 32 | 1 21 | 23 34 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 47 | 12 35 | 20 38 | 20 52 | 26 4 | | n.a. |
| T 17 | 8 5 | 26 51 | 3 12 | 0 7 | 3 4 | 11 3 | 1 21 | 16 1 | 1 17 | 6 30 | 1 21 | 23 34 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 47 | 12 36 | 20 38 | 20 52 | 26 4 | | n.a. |
| W18 | 7 42 | 25 54 | 2 7 | 0s 2 | 2 58 | 10 34 | 1 20 | 16 13 | 1 17 | 6 29 | 1 21 | 23 34 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 48 | 12 36 | 20 37 | 20 53 | 26 5 | | n.a. |
| T 19 | 7 20 | 23 20 | 0 54 | 0 14 | 2 51 | 10 5 | 1 19 | 16 24 | 1 17 | 6 27 | 1 21 | 23 35 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 49 | 12 36 | 20 37 | 20 54 | 26 5 | | n.a. |
| F 20 | 6 57 | 19 23 | 0s21 | 0 29 | 2 42 | 9 36 | 1 18 | 16 35 | 1 17 | 6 25 | 1 21 | 23 35 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 49 | 12 36 | 20 37 | 20 54 | 26 6 | | n.a. |
| S 21 | 6 35 | 14 25 | 1 35 | 0 47 | 2 32 | 9 7 | 1 17 | 16 47 | 1 17 | 6 23 | 1 21 | 23 35 | 0 7 | 20 55 | 0 4 | 21 43 | 0 44 | 5 50 | 12 36 | 20 37 | 20 55 | 26 6 | | n.a. |
| S 22 | 6 12 | 8 48 | 2 41 | 1 8 | 2 21 | 8 38 | 1 16 | 16 58 | 1 17 | 6 21 | 1 21 | 23 35 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 51 | 12 36 | 20 38 | 20 56 | 26 7 | | n.a. |
| M23 | 5 49 | 2 52 | 3 38 | 1 31 | 2 9 | 8 8 | 1 15 | 17 9 | 1 18 | 6 19 | 1 21 | 23 35 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 51 | 12 36 | 20 39 | 20 56 | 26 7 | | n.a. |
| T 24 | 5 27 | 3s 3 | 4 22 | 1 56 | 1 55 | 7 38 | 1 14 | 17 20 | 1 18 | 6 17 | 1 21 | 23 36 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 52 | 12 37 | 20 41 | 20 57 | 26 8 | | n.a. |
| W25 | 5 4 | 8 43 | 4 51 | 2 23 | 1 41 | 7 8 | 1 13 | 17 31 | 1 18 | 6 15 | 1 21 | 23 36 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 53 | 12 37 | 20 43 | 20 58 | 26 8 | | n.a. |
| T 26 | 4 41 | 13 55 | 5 5 | 2 51 | 1 26 | 6 37 | 1 12 | 17 42 | 1 18 | 6 13 | 1 21 | 23 36 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 53 | 12 37 | 20 44 | 20 58 | 26 9 | | n.a. |
| F 27 | 4 18 | 18 26 | 5 5 | 3 20 | 1 10 | 6 7 | 1 10 | 17 52 | 1 18 | 6 10 | 1 21 | 23 36 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 54 | 12 37 | 20 46 | 20 59 | 26 9 | | n.a. |
| S 28 | 3 55 | 22 7 | 4 51 | 3 49 | 0 54 | 5 36 | 1 9 | 18 3 | 1 18 | 6 8 | 1 21 | 23 37 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 54 | 12 37 | 20 47 | 21 0 | 26 10 | | n.a. |
| S 29 | 3 32 | 24 48 | 4 24 | 4 19 | 0 37 | 5 6 | 1 8 | 18 14 | 1 18 | 6 6 | 1 21 | 23 37 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 55 | 12 37 | 20 48 | 21 0 | 26 10 | | n.a. |
| M30 | 3 8 | 26 21 | 3 46 | 4 48 | 0 21 | 4 35 | 1 6 | 18 24 | 1 18 | 6 3 | 1 21 | 23 37 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 56 | 12 37 | 20 49 | 21 1 | 26 11 | | n.a. |
| T 31 | 2s45 | 26s43 | 2s58 | 5s17 | 0n 4 | 4s 4 | 1s 5 | 18n35 | 1n18 | 6s 1 | 1n21 | 23s37 | 0n 6 | 20s55 | 0s 4 | 21s43 | 0n44 | 5n56 | 12n37 | 20s49 | 21s 2 | 26s11 | | n.a. |

Julian Day Number = 1007053.5, Delta T = 12h44m25s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'23, Lahiri = -30°55'23 Julian Calendar 1 March 1956 BCE == Greg. Calendar 12 Feb. 1956 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## APRIL 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 11 31 4 | 24♓ 9'29 | 5♉23 | 16°R13 | 23♓38 | 17♉51 | 18°R 5 | 22♐44 | 1°R25 | 10°R21 | 14°R 3 | 28♉48 | 27♉43 | 10♐18 | n.a. | W 1 |
| T 2 | 11 35 0 | 25° 7'02 | 17°26 | 15♓44 | 24°51 | 18°26 | 17♎58 | 22°46 | 1♐24 | 10♐21 | 14♎ 2 | 28°49 | 27°40 | 10°25 | n.a. | T 2 |
| F 3 | 11 38 57 | 26° 4'35 | 29°42 | 15°18 | 26° 5 | 19° 2 | 17°52 | 22°48 | 1°24 | 10°20 | 14° 0 | 28°R49 | 27°37 | 10°32 | n.a. | F 3 |
| S 4 | 11 42 53 | 27° 2'06 | 12♒16 | 14°56 | 27°19 | 19°37 | 17°45 | 22°50 | 1°23 | 10°20 | 13°59 | 28°48 | 27°33 | 10°39 | n.a. | S 4 |
| S 5 | 11 46 50 | 27°59'36 | 25°12 | 14°38 | 28°33 | 20°13 | 17°38 | 22°51 | 1°23 | 10°20 | 13°57 | 28°45 | 27°30 | 10°45 | n.a. | S 5 |
| M 6 | 11 50 46 | 28°57'06 | 8♓30 | 14°24 | 29°46 | 20°48 | 17°32 | 22°52 | 1°22 | 10°20 | 13°55 | 28°40 | 27°27 | 10°52 | n.a. | M 6 |
| T 7 | 11 54 43 | 29°54'33 | 22°12 | 14°14 | 1♈ 0 | 21°24 | 17°25 | 22°54 | 1°21 | 10°20 | 13°54 | 28°32 | 27°24 | 10°59 | n.a. | T 7 |
| W 8 | 11 58 39 | 0♈52'00 | 6♈13 | 14° 8 | 2°14 | 21°59 | 17°18 | 22°55 | 1°20 | 10°19 | 13°52 | 28°23 | 27°21 | 11° 5 | n.a. | W 8 |
| T 9 | 12 2 36 | 1°49'25 | 20°31 | 14°D 7 | 3°27 | 22°35 | 17°11 | 22°56 | 1°20 | 10°19 | 13°51 | 28°13 | 27°17 | 11°12 | n.a. | T 9 |
| F 10 | 12 6 32 | 2°46'50 | 4♉59 | 14°10 | 4°41 | 23°11 | 17° 4 | 22°57 | 1°19 | 10°19 | 13°49 | 28° 4 | 27°14 | 11°19 | n.a. | F 10 |
| S 11 | 12 10 29 | 3°44'13 | 19°30 | 14°18 | 5°55 | 23°46 | 16°56 | 22°58 | 1°18 | 10°18 | 13°48 | 27°56 | 27°11 | 11°25 | n.a. | S 11 |
| S 12 | 12 14 26 | 4°41'34 | 3♊59 | 14°31 | 7° 8 | 24°22 | 16°49 | 22°59 | 1°17 | 10°18 | 13°46 | 27°50 | 27° 8 | 11°32 | n.a. | S 12 |
| M13 | 12 18 22 | 5°38'55 | 18°20 | 14°47 | 8°22 | 24°58 | 16°42 | 22°59 | 1°16 | 10°17 | 13°44 | 27°47 | 27° 5 | 11°39 | n.a. | M13 |
| T 14 | 12 22 19 | 6°36'14 | 2♋32 | 15° 9 | 9°36 | 25°34 | 16°34 | 23° 0 | 1°15 | 10°17 | 13°43 | 27°D46 | 27° 2 | 11°45 | n.a. | T 14 |
| W15 | 12 26 15 | 7°33'31 | 16°32 | 15°34 | 10°49 | 26°10 | 16°27 | 23° 1 | 1°14 | 10°16 | 13°41 | 27°46 | 26°58 | 11°52 | n.a. | W15 |
| T 16 | 12 30 12 | 8°30'48 | 0♌20 | 16° 4 | 12° 3 | 26°46 | 16°19 | 23° 1 | 1°13 | 10°16 | 13°40 | 27°R46 | 26°55 | 11°59 | n.a. | T 16 |
| F 17 | 12 34 8 | 9°28'03 | 13°56 | 16°38 | 13°17 | 27°22 | 16°12 | 23° 1 | 1°12 | 10°15 | 13°38 | 27°46 | 26°52 | 12° 5 | n.a. | F 17 |
| S 18 | 12 38 5 | 10°25'16 | 27°22 | 17°16 | 14°30 | 27°57 | 16° 4 | 23° 2 | 1°10 | 10°15 | 13°36 | 27°42 | 26°49 | 12°12 | n.a. | S 18 |
| S 19 | 12 42 2 | 11°22'29 | 10♍36 | 17°58 | 15°44 | 28°33 | 15°57 | 23° 2 | 1° 9 | 10°14 | 13°35 | 27°37 | 26°46 | 12°19 | n.a. | S 19 |
| M20 | 12 45 58 | 12°19'41 | 23°39 | 18°44 | 16°58 | 29° 9 | 15°49 | 23°R 2 | 1° 8 | 10°14 | 13°33 | 27°28 | 26°42 | 12°26 | n.a. | M20 |
| T 21 | 12 49 55 | 13°16'51 | 6♎30 | 19°33 | 18°11 | 29°46 | 15°42 | 23° 2 | 1° 7 | 10°13 | 13°31 | 27°18 | 26°39 | 12°32 | n.a. | T 21 |
| W22 | 12 53 51 | 14°14'01 | 19°10 | 20°26 | 19°25 | 0♊22 | 15°34 | 23° 2 | 1° 5 | 10°12 | 13°30 | 27° 5 | 26°36 | 12°39 | n.a. | W22 |
| T 23 | 12 57 48 | 15°11'10 | 1♏37 | 21°23 | 20°39 | 0°58 | 15°26 | 23° 1 | 1° 4 | 10°11 | 13°28 | 26°53 | 26°33 | 12°46 | n.a. | T 23 |
| F 24 | 13 1 44 | 16° 8'19 | 13°52 | 22°23 | 21°52 | 1°34 | 15°19 | 23° 1 | 1° 2 | 10°11 | 13°26 | 26°41 | 26°30 | 12°52 | n.a. | F 24 |
| S 25 | 13 5 41 | 17° 5'27 | 25°56 | 23°27 | 23° 6 | 2°10 | 15°11 | 23° 0 | 1° 1 | 10°10 | 13°25 | 26°30 | 26°27 | 12°59 | n.a. | S 25 |
| S 26 | 13 9 37 | 18° 2'34 | 7♐52 | 24°34 | 24°19 | 2°46 | 15° 4 | 23° 0 | 0°59 | 10° 9 | 13°23 | 26°22 | 26°23 | 13° 6 | n.a. | S 26 |
| M27 | 13 13 34 | 18°59'41 | 19°42 | 25°44 | 25°33 | 3°22 | 14°56 | 22°59 | 0°58 | 10° 8 | 13°22 | 26°17 | 26°20 | 13°12 | n.a. | M27 |
| T 28 | 13 17 31 | 19°56'48 | 1♑32 | 26°58 | 26°47 | 3°59 | 14°48 | 22°58 | 0°56 | 10° 7 | 13°20 | 26°14 | 26°17 | 13°19 | n.a. | T 28 |
| W29 | 13 21 27 | 20°53'55 | 13°24 | 28°15 | 28° 0 | 4°35 | 14°41 | 22°58 | 0°55 | 10° 6 | 13°18 | 26°13 | 26°14 | 13°26 | n.a. | W29 |
| T 30 | 13 25 24 | 21♈51'01 | 25♑26 | 29♓35 | 29♈14 | 5♊11 | 14♎33 | 22♐57 | 0♐53 | 10♐ 6 | 13♎17 | 26♑13 | 26♑11 | 13♐32 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 2s22 | 25s51 | 2s 2 | 5s45 | 0s13 | 3s32 | 1s 3 | 18n45 | 1n19 | 5s59 | 1n21 | 23s37 | 0n 6 | 20s55 | 0s 4 | 21s43 | 0n44 | 5n57 | 12n37 | 20s49 | 21s 2 | 26s12 | | n.a. |
| T 2 | 1 59 | 23 46 | 1 1 | 6 11 | 0 29 | 3 1 | 1 1 | 18 55 | 1 19 | 5 56 | 1 22 | 23 37 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 58 | 12 37 | 20 49 | 21 3 | 26 12 | | n.a. |
| F 3 | 1 35 | 20 33 | 0n 5 | 6 36 | 0 45 | 2 30 | 1 0 | 19 5 | 1 19 | 5 54 | 1 22 | 23 38 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 58 | 12 37 | 20 49 | 21 3 | 26 12 | | n.a. |
| S 4 | 1 12 | 16 19 | 1 11 | 6 59 | 1 1 | 1 58 | 0 58 | 19 15 | 1 19 | 5 51 | 1 22 | 23 38 | 0 6 | 20 55 | 0 4 | 21 43 | 0 44 | 5 59 | 12 37 | 20 49 | 21 4 | 26 13 | | n.a. |
| S 5 | 0 49 | 11 15 | 2 16 | 7 20 | 1 16 | 1 27 | 0 56 | 19 25 | 1 19 | 5 48 | 1 22 | 23 38 | 0 5 | 20 55 | 0 4 | 21 43 | 0 44 | 6 0 | 12 38 | 20 49 | 21 5 | 26 13 | | n.a. |
| M 6 | 0 25 | 5 32 | 3 15 | 7 38 | 1 30 | 0 56 | 0 55 | 19 35 | 1 19 | 5 46 | 1 22 | 23 38 | 0 5 | 20 55 | 0 4 | 21 43 | 0 44 | 6 0 | 12 38 | 20 50 | 21 5 | 26 14 | | n.a. |
| T 7 | 0 2 | 0n35 | 4 5 | 7 54 | 1 43 | 0 24 | 0 53 | 19 44 | 1 19 | 5 43 | 1 21 | 23 38 | 0 5 | 20 54 | 0 4 | 21 43 | 0 44 | 6 1 | 12 38 | 20 52 | 21 6 | 26 14 | | n.a. |
| W 8 | 0n21 | 6 48 | 4 41 | 8 8 | 1 56 | 0n 8 | 0 51 | 19 54 | 1 19 | 5 40 | 1 21 | 23 38 | 0 5 | 20 54 | 0 4 | 21 43 | 0 44 | 6 1 | 12 38 | 20 54 | 21 7 | 26 14 | | n.a. |
| T 9 | 0 44 | 12 47 | 5 1 | 8 19 | 2 7 | 0 39 | 0 49 | 20 4 | 1 19 | 5 38 | 1 21 | 23 39 | 0 5 | 20 54 | 0 4 | 21 43 | 0 44 | 6 2 | 12 38 | 20 56 | 21 7 | 26 15 | | n.a. |
| F 10 | 1 8 | 18 9 | 5 1 | 8 28 | 2 18 | 1 11 | 0 47 | 20 13 | 1 19 | 5 35 | 1 21 | 23 39 | 0 5 | 20 54 | 0 4 | 21 43 | 0 44 | 6 3 | 12 38 | 20 58 | 21 8 | 26 15 | | n.a. |
| S 11 | 1 31 | 22 28 | 4 42 | 8 34 | 2 28 | 1 42 | 0 45 | 20 22 | 1 19 | 5 32 | 1 21 | 23 39 | 0 5 | 20 54 | 0 4 | 21 43 | 0 44 | 6 3 | 12 38 | 20 59 | 21 9 | 26 15 | | n.a. |
| S 12 | 1 54 | 25 23 | 4 5 | 8 37 | 2 37 | 2 14 | 0 43 | 20 31 | 1 19 | 5 29 | 1 21 | 23 39 | 0 5 | 20 54 | 0 4 | 21 42 | 0 44 | 6 4 | 12 38 | 21 1 | 21 9 | 26 16 | | n.a. |
| M13 | 2 17 | 26 36 | 3 13 | 8 38 | 2 45 | 2 45 | 0 41 | 20 40 | 1 19 | 5 27 | 1 21 | 23 39 | 0 5 | 20 53 | 0 4 | 21 42 | 0 44 | 6 5 | 12 38 | 21 1 | 21 10 | 26 16 | | n.a. |
| T 14 | 2 40 | 26 4 | 2 10 | 8 36 | 2 51 | 3 17 | 0 39 | 20 49 | 1 19 | 5 24 | 1 21 | 23 39 | 0 5 | 20 53 | 0 4 | 21 42 | 0 45 | 6 5 | 12 38 | 21 2 | 21 10 | 26 16 | | n.a. |
| W15 | 3 3 | 23 51 | 0 59 | 8 31 | 2 57 | 3 48 | 0 37 | 20 58 | 1 19 | 5 21 | 1 21 | 23 39 | 0 5 | 20 53 | 0 4 | 21 42 | 0 45 | 6 6 | 12 38 | 21 1 | 21 11 | 26 17 | | n.a. |
| T 16 | 3 26 | 20 16 | 0s14 | 8 24 | 3 3 | 4 19 | 0 35 | 21 7 | 1 19 | 5 18 | 1 21 | 23 39 | 0 5 | 20 53 | 0 4 | 21 42 | 0 45 | 6 6 | 12 37 | 21 1 | 21 12 | 26 17 | | n.a. |
| F 17 | 3 49 | 15 38 | 1 25 | 8 14 | 3 7 | 4 51 | 0 33 | 21 15 | 1 19 | 5 15 | 1 21 | 23 40 | 0 4 | 20 53 | 0 4 | 21 42 | 0 45 | 6 7 | 12 37 | 21 2 | 21 12 | 26 17 | | n.a. |
| S 18 | 4 12 | 10 17 | 2 30 | 8 2 | 3 10 | 5 22 | 0 31 | 21 23 | 1 19 | 5 12 | 1 21 | 23 40 | 0 4 | 20 52 | 0 4 | 21 42 | 0 45 | 6 7 | 12 37 | 21 2 | 21 13 | 26 18 | | n.a. |
| S 19 | 4 35 | 4 34 | 3 26 | 7 47 | 3 12 | 5 53 | 0 28 | 21 32 | 1 19 | 5 9 | 1 21 | 23 40 | 0 4 | 20 52 | 0 4 | 21 42 | 0 45 | 6 8 | 12 37 | 21 3 | 21 14 | 26 18 | | n.a. |
| M20 | 4 58 | 1s15 | 4 11 | 7 30 | 3 14 | 6 24 | 0 26 | 21 40 | 1 19 | 5 6 | 1 21 | 23 40 | 0 4 | 20 52 | 0 4 | 21 42 | 0 45 | 6 9 | 12 37 | 21 5 | 21 14 | 26 18 | | n.a. |
| T 21 | 5 21 | 6 55 | 4 41 | 7 11 | 3 14 | 6 54 | 0 24 | 21 48 | 1 19 | 5 4 | 1 21 | 23 40 | 0 4 | 20 52 | 0 4 | 21 42 | 0 45 | 6 9 | 12 37 | 21 7 | 21 15 | 26 19 | | n.a. |
| W22 | 5 43 | 12 13 | 4 58 | 6 50 | 3 14 | 7 25 | 0 22 | 21 56 | 1 19 | 5 1 | 1 21 | 23 40 | 0 4 | 20 51 | 0 4 | 21 42 | 0 45 | 6 10 | 12 37 | 21 10 | 21 15 | 26 19 | | n.a. |
| T 23 | 6 6 | 16 56 | 5 0 | 6 26 | 3 13 | 7 55 | 0 19 | 22 3 | 1 19 | 4 58 | 1 21 | 23 40 | 0 4 | 20 51 | 0 4 | 21 41 | 0 45 | 6 10 | 12 37 | 21 12 | 21 16 | 26 19 | | n.a. |
| F 24 | 6 28 | 20 52 | 4 47 | 6 0 | 3 12 | 8 25 | 0 17 | 22 11 | 1 19 | 4 55 | 1 20 | 23 40 | 0 4 | 20 51 | 0 4 | 21 41 | 0 45 | 6 11 | 12 37 | 21 15 | 21 17 | 26 19 | | n.a. |
| S 25 | 6 51 | 23 52 | 4 22 | 5 32 | 3 9 | 8 56 | 0 15 | 22 19 | 1 19 | 4 52 | 1 20 | 23 40 | 0 4 | 20 50 | 0 4 | 21 41 | 0 45 | 6 11 | 12 37 | 21 17 | 21 17 | 26 20 | | n.a. |
| S 26 | 7 13 | 25 47 | 3 46 | 5 2 | 3 6 | 9 25 | 0 12 | 22 26 | 1 19 | 4 49 | 1 20 | 23 40 | 0 4 | 20 50 | 0 4 | 21 41 | 0 45 | 6 12 | 12 37 | 21 18 | 21 18 | 26 20 | | n.a. |
| M27 | 7 35 | 26 31 | 3 0 | 4 30 | 3 2 | 9 55 | 0 10 | 22 33 | 1 19 | 4 46 | 1 20 | 23 40 | 0 4 | 20 50 | 0 4 | 21 41 | 0 45 | 6 12 | 12 37 | 21 19 | 21 18 | 26 20 | | n.a. |
| T 28 | 7 57 | 26 1 | 2 7 | 3 56 | 2 58 | 10 24 | 0 8 | 22 40 | 1 19 | 4 43 | 1 20 | 23 40 | 0 4 | 20 49 | 0 4 | 21 41 | 0 45 | 6 13 | 12 36 | 21 20 | 21 19 | 26 20 | | n.a. |
| W29 | 8 19 | 24 21 | 1 7 | 3 20 | 2 52 | 10 54 | 0 5 | 22 47 | 1 19 | 4 41 | 1 20 | 23 40 | 0 3 | 20 49 | 0 4 | 21 41 | 0 45 | 6 13 | 12 36 | 21 20 | 21 20 | 26 21 | | n.a. |
| T 30 | 8n41 | 21s33 | 0s 4 | 2s42 | 2s46 | 11n23 | 0s 3 | 22n54 | 1n19 | 4s38 | 1n20 | 23s40 | 0n 3 | 20s49 | 0s 4 | 21s41 | 0n45 | 6n14 | 12n36 | 21s20 | 21s20 | 26s21 | | n.a. |

Julian Day Number = 1007084.5, Delta T = 12h44m23s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'19, Lahiri = -30°55'18 Julian Calendar 1 Apr. 1956 BCE == Greg. Calendar 15 March 1956 BCE


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## MAY 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 13 29 20 | 22♈48'06 | 7♒41 | 0♈58 | 0♉27 | 5♊48 | 14°R26 | 22°R56 | 0°R51 | 10°R 5 | 13°R15 | 26°R13 | 26♑ 8 | 13♐39 | n.a. | F 1 |
| S 2 | 13 33 17 | 23°45'12 | 20°16 | 2°24 | 1°41 | 6°24 | 14♎18 | 22♐54 | 0♐50 | 10♐ 4 | 13♎13 | 26♑11 | 26° 4 | 13°46 | n.a. | S 2 |
| S 3 | 13 37 13 | 24°42'17 | 3♓15 | 3°53 | 2°55 | 7° 1 | 14°11 | 22°53 | 0°48 | 10° 3 | 13°12 | 26° 8 | 26° 1 | 13°52 | n.a. | S 3 |
| M 4 | 13 41 10 | 25°39'23 | 16°40 | 5°25 | 4° 8 | 7°37 | 14° 3 | 22°52 | 0°46 | 10° 2 | 13°10 | 26° 2 | 25°58 | 13°59 | n.a. | M 4 |
| T 5 | 13 45 6 | 26°36'28 | 0♈32 | 7° 0 | 5°22 | 8°14 | 13°56 | 22°51 | 0°44 | 10° 1 | 13° 9 | 25°53 | 25°55 | 14° 6 | n.a. | T 5 |
| W 6 | 13 49 3 | 27°33'32 | 14°50 | 8°38 | 6°36 | 8°50 | 13°49 | 22°49 | 0°42 | 9°59 | 13° 7 | 25°43 | 25°52 | 14°12 | n.a. | W 6 |
| T 7 | 13 53 0 | 28°30'37 | 29°28 | 10°19 | 7°49 | 9°27 | 13°42 | 22°47 | 0°40 | 9°58 | 13° 6 | 25°32 | 25°48 | 14°19 | n.a. | T 7 |
| F 8 | 13 56 56 | 29°27'41 | 14♉19 | 12° 3 | 9° 3 | 10° 3 | 13°35 | 22°46 | 0°38 | 9°57 | 13° 4 | 25°21 | 25°45 | 14°26 | n.a. | F 8 |
| S 9 | 14 0 53 | 0♉24'46 | 29°14 | 13°49 | 10°16 | 10°40 | 13°27 | 22°44 | 0°37 | 9°56 | 13° 2 | 25°12 | 25°42 | 14°32 | n.a. | S 9 |
| S 10 | 14 4 49 | 1°21'49 | 14♊ 4 | 15°39 | 11°30 | 11°17 | 13°20 | 22°42 | 0°35 | 9°55 | 13° 1 | 25° 5 | 25°39 | 14°39 | n.a. | S 10 |
| M11 | 14 8 46 | 2°18'53 | 28°43 | 17°31 | 12°44 | 11°53 | 13°14 | 22°40 | 0°33 | 9°54 | 12°59 | 25° 1 | 25°36 | 14°46 | n.a. | M11 |
| T 12 | 14 12 42 | 3°15'56 | 13♋ 5 | 19°25 | 13°57 | 12°30 | 13° 7 | 22°38 | 0°30 | 9°53 | 12°58 | 24°59 | 25°33 | 14°53 | n.a. | T 12 |
| W13 | 14 16 39 | 4°12'59 | 27° 9 | 21°22 | 15°11 | 13° 7 | 13° 0 | 22°36 | 0°28 | 9°51 | 12°56 | 24°59 | 25°29 | 14°59 | n.a. | W13 |
| T 14 | 14 20 36 | 5°10'01 | 10♌53 | 23°22 | 16°24 | 13°44 | 12°54 | 22°34 | 0°26 | 9°50 | 12°55 | 24°59 | 25°26 | 15° 6 | n.a. | T 14 |
| F 15 | 14 24 32 | 6° 7'03 | 24°20 | 25°23 | 17°38 | 14°20 | 12°47 | 22°31 | 0°24 | 9°49 | 12°53 | 24°58 | 25°23 | 15°13 | n.a. | F 15 |
| S 16 | 14 28 29 | 7° 4'05 | 7♍32 | 27°27 | 18°52 | 14°57 | 12°41 | 22°29 | 0°22 | 9°47 | 12°52 | 24°55 | 25°20 | 15°19 | n.a. | S 16 |
| S 17 | 14 32 25 | 8° 1'06 | 20°29 | 29°32 | 20° 5 | 15°34 | 12°34 | 22°26 | 0°20 | 9°46 | 12°51 | 24°49 | 25°17 | 15°26 | n.a. | S 17 |
| M18 | 14 36 22 | 8°58'07 | 3♎14 | 1♉39 | 21°19 | 16°11 | 12°28 | 22°24 | 0°18 | 9°45 | 12°49 | 24°41 | 25°13 | 15°33 | n.a. | M18 |
| T 19 | 14 40 18 | 9°55'09 | 15°47 | 3°46 | 22°32 | 16°48 | 12°22 | 22°21 | 0°16 | 9°44 | 12°48 | 24°30 | 25°10 | 15°39 | n.a. | T 19 |
| W20 | 14 44 15 | 10°52'10 | 28°10 | 5°55 | 23°46 | 17°25 | 12°16 | 22°19 | 0°13 | 9°42 | 12°46 | 24°18 | 25° 7 | 15°46 | n.a. | W20 |
| T 21 | 14 48 11 | 11°49'11 | 10♏24 | 8° 5 | 24°59 | 18° 2 | 12°10 | 22°16 | 0°11 | 9°41 | 12°45 | 24° 6 | 25° 4 | 15°53 | n.a. | T 21 |
| F 22 | 14 52 8 | 12°46'13 | 22°29 | 10°14 | 26°13 | 18°39 | 12° 5 | 22°13 | 0° 9 | 9°39 | 12°44 | 23°54 | 25° 1 | 15°59 | n.a. | F 22 |
| S 23 | 14 56 5 | 13°43'15 | 4♐27 | 12°24 | 27°27 | 19°16 | 11°59 | 22°10 | 0° 7 | 9°38 | 12°42 | 23°43 | 24°58 | 16° 6 | n.a. | S 23 |
| S 24 | 15 0 1 | 14°40'18 | 16°19 | 14°34 | 28°40 | 19°53 | 11°54 | 22° 7 | 0° 4 | 9°37 | 12°41 | 23°35 | 24°54 | 16°13 | n.a. | S 24 |
| M25 | 15 3 58 | 15°37'21 | 28° 7 | 16°43 | 29°54 | 20°30 | 11°49 | 22° 4 | 0° 2 | 9°35 | 12°40 | 23°30 | 24°51 | 16°19 | n.a. | M25 |
| T 26 | 15 7 54 | 16°34'24 | 9♑55 | 18°51 | 1♊ 7 | 21° 8 | 11°43 | 22° 1 | 29♏59 | 9°34 | 12°38 | 23°27 | 24°48 | 16°26 | n.a. | T 26 |
| W27 | 15 11 51 | 17°31'28 | 21°48 | 20°59 | 2°21 | 21°45 | 11°38 | 21°57 | 29°57 | 9°32 | 12°37 | 23°D26 | 24°45 | 16°33 | n.a. | W27 |
| T 28 | 15 15 47 | 18°28'33 | 3♒48 | 23° 5 | 3°34 | 22°22 | 11°34 | 21°54 | 29°55 | 9°31 | 12°36 | 23°26 | 24°42 | 16°39 | n.a. | T 28 |
| F 29 | 15 19 44 | 19°25'38 | 16° 3 | 25°11 | 4°48 | 22°59 | 11°29 | 21°51 | 29°53 | 9°29 | 12°35 | 23°R27 | 24°39 | 16°46 | n.a. | F 29 |
| S 30 | 15 23 41 | 20°22'45 | 28°36 | 27°14 | 6° 2 | 23°37 | 11°24 | 21°47 | 29°50 | 9°28 | 12°33 | 23°27 | 24°35 | 16°53 | n.a. | S 30 |
| S 31 | 15 27 37 | 21♉19'52 | 11♓32 | 29♉17 | 7♊15 | 24♊14 | 11♎20 | 21♐44 | 29♏48 | 9♐26 | 12♎32 | 23♑25 | 24♑32 | 16♐59 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 9n 2 | 17s45 | 1n 0 | 2s 3 | 2s40 | 11n51 | 0s 1 | 23n 0 | 1n19 | 4s35 | 1n19 | 23s40 | 0n 3 | 20s48 | 0s 4 | 21s40 | 0n45 | 6n14 | 12n36 | 21s20 | 21s21 | 26s21 | | n.a. |
| S 2 | 9 24 | 13 4 | 2 4 | 1 22 | 2 33 | 12 20 | 0n 2 | 23 7 | 1 19 | 4 32 | 1 19 | 23 40 | 0 3 | 20 48 | 0 4 | 21 40 | 0 45 | 6 15 | 12 36 | 21 20 | 21 22 | 26 21 | | n.a. |
| S 3 | 9 45 | 7 41 | 3 2 | 0 39 | 2 25 | 12 48 | 0 4 | 23 13 | 1 19 | 4 29 | 1 19 | 23 40 | 0 3 | 20 48 | 0 4 | 21 40 | 0 45 | 6 15 | 12 36 | 21 21 | 21 22 | 26 21 | | n.a. |
| M 4 | 10 7 | 1 48 | 3 53 | 0n 6 | 2 17 | 13 15 | 0 7 | 23 19 | 1 19 | 4 27 | 1 19 | 23 40 | 0 3 | 20 47 | 0 4 | 21 40 | 0 45 | 6 16 | 12 35 | 21 22 | 21 23 | 26 22 | | n.a. |
| T 5 | 10 28 | 4n22 | 4 32 | 0 52 | 2 9 | 13 43 | 0 9 | 23 25 | 1 19 | 4 24 | 1 19 | 23 40 | 0 3 | 20 47 | 0 4 | 21 40 | 0 45 | 6 16 | 12 35 | 21 24 | 21 23 | 26 22 | | n.a. |
| W 6 | 10 49 | 10 28 | 4 55 | 1 40 | 2 0 | 14 10 | 0 11 | 23 31 | 1 19 | 4 21 | 1 19 | 23 40 | 0 3 | 20 47 | 0 4 | 21 40 | 0 45 | 6 17 | 12 35 | 21 26 | 21 24 | 26 22 | | n.a. |
| T 7 | 11 10 | 16 10 | 5 0 | 2 29 | 1 50 | 14 37 | 0 14 | 23 37 | 1 19 | 4 18 | 1 18 | 23 40 | 0 3 | 20 46 | 0 4 | 21 39 | 0 45 | 6 17 | 12 35 | 21 28 | 21 25 | 26 22 | | n.a. |
| F 8 | 11 30 | 20 58 | 4 44 | 3 19 | 1 40 | 15 3 | 0 16 | 23 43 | 1 19 | 4 16 | 1 18 | 23 40 | 0 3 | 20 46 | 0 4 | 21 39 | 0 45 | 6 17 | 12 35 | 21 30 | 21 25 | 26 22 | | n.a. |
| S 9 | 11 51 | 24 27 | 4 10 | 4 11 | 1 30 | 15 29 | 0 19 | 23 48 | 1 19 | 4 13 | 1 18 | 23 40 | 0 3 | 20 45 | 0 4 | 21 39 | 0 45 | 6 18 | 12 34 | 21 32 | 21 26 | 26 22 | | n.a. |
| S 10 | 12 11 | 26 14 | 3 18 | 5 4 | 1 20 | 15 55 | 0 21 | 23 53 | 1 19 | 4 11 | 1 18 | 23 40 | 0 3 | 20 45 | 0 4 | 21 39 | 0 45 | 6 18 | 12 34 | 21 33 | 21 26 | 26 22 | | n.a. |
| M11 | 12 31 | 26 9 | 2 14 | 5 57 | 1 9 | 16 20 | 0 23 | 23 58 | 1 19 | 4 8 | 1 18 | 23 40 | 0 2 | 20 45 | 0 4 | 21 39 | 0 45 | 6 19 | 12 34 | 21 33 | 21 27 | 26 23 | | n.a. |
| T 12 | 12 51 | 24 18 | 1 3 | 6 52 | 0 58 | 16 45 | 0 26 | 24 3 | 1 19 | 4 6 | 1 17 | 23 40 | 0 2 | 20 44 | 0 4 | 21 39 | 0 45 | 6 19 | 12 34 | 21 34 | 21 28 | 26 23 | | n.a. |
| W13 | 13 11 | 20 58 | 0s11 | 7 47 | 0 47 | 17 10 | 0 28 | 24 8 | 1 19 | 4 3 | 1 17 | 23 40 | 0 2 | 20 44 | 0 4 | 21 38 | 0 45 | 6 19 | 12 34 | 21 34 | 21 28 | 26 23 | | n.a. |
| T 14 | 13 30 | 16 31 | 1 23 | 8 42 | 0 35 | 17 34 | 0 30 | 24 13 | 1 19 | 4 1 | 1 17 | 23 40 | 0 2 | 20 43 | 0 4 | 21 38 | 0 45 | 6 20 | 12 33 | 21 34 | 21 29 | 26 23 | | n.a. |
| F 15 | 13 50 | 11 20 | 2 29 | 9 38 | 0 24 | 17 57 | 0 33 | 24 17 | 1 19 | 3 58 | 1 17 | 23 40 | 0 2 | 20 43 | 0 4 | 21 38 | 0 45 | 6 20 | 12 33 | 21 34 | 21 29 | 26 23 | | n.a. |
| S 16 | 14 9 | 5 45 | 3 25 | 10 34 | 0 13 | 18 20 | 0 35 | 24 21 | 1 19 | 3 56 | 1 17 | 23 40 | 0 2 | 20 42 | 0 4 | 21 38 | 0 45 | 6 20 | 12 33 | 21 35 | 21 30 | 26 23 | | n.a. |
| S 17 | 14 28 | 0 2 | 4 9 | 11 30 | 0 2 | 18 43 | 0 37 | 24 25 | 1 19 | 3 54 | 1 16 | 23 40 | 0 2 | 20 42 | 0 4 | 21 38 | 0 45 | 6 21 | 12 33 | 21 36 | 21 31 | 26 23 | | n.a. |
| M18 | 14 46 | 5s35 | 4 41 | 12 25 | 0n 9 | 19 5 | 0 39 | 24 29 | 1 19 | 3 51 | 1 16 | 23 40 | 0 2 | 20 42 | 0 4 | 21 37 | 0 45 | 6 21 | 12 32 | 21 37 | 21 31 | 26 23 | | n.a. |
| T 19 | 15 5 | 10 53 | 4 58 | 13 20 | 0 19 | 19 27 | 0 42 | 24 33 | 1 19 | 3 49 | 1 16 | 23 40 | 0 2 | 20 41 | 0 4 | 21 37 | 0 45 | 6 21 | 12 32 | 21 39 | 21 32 | 26 23 | | n.a. |
| W20 | 15 23 | 15 42 | 5 0 | 14 14 | 0 30 | 19 48 | 0 44 | 24 37 | 1 18 | 3 47 | 1 16 | 23 40 | 0 2 | 20 41 | 0 4 | 21 37 | 0 45 | 6 22 | 12 32 | 21 41 | 21 32 | 26 23 | | n.a. |
| T 21 | 15 41 | 19 48 | 4 49 | 15 6 | 0 39 | 20 8 | 0 46 | 24 40 | 1 18 | 3 45 | 1 15 | 23 40 | 0 2 | 20 40 | 0 4 | 21 37 | 0 45 | 6 22 | 12 31 | 21 44 | 21 33 | 26 24 | | n.a. |
| F 22 | 15 59 | 23 1 | 4 25 | 15 57 | 0 49 | 20 28 | 0 48 | 24 43 | 1 18 | 3 43 | 1 15 | 23 40 | 0 1 | 20 40 | 0 4 | 21 37 | 0 45 | 6 22 | 12 31 | 21 46 | 21 33 | 26 24 | | n.a. |
| S 23 | 16 16 | 25 13 | 3 49 | 16 47 | 0 58 | 20 48 | 0 50 | 24 47 | 1 18 | 3 41 | 1 15 | 23 40 | 0 1 | 20 39 | 0 4 | 21 36 | 0 45 | 6 22 | 12 31 | 21 47 | 21 34 | 26 24 | | n.a. |
| S 24 | 16 34 | 26 15 | 3 4 | 17 35 | 1 6 | 21 7 | 0 52 | 24 49 | 1 18 | 3 39 | 1 15 | 23 40 | 0 1 | 20 39 | 0 4 | 21 36 | 0 45 | 6 23 | 12 30 | 21 49 | 21 35 | 26 24 | | n.a. |
| M25 | 16 51 | 26 5 | 2 11 | 18 21 | 1 14 | 21 25 | 0 54 | 24 52 | 1 18 | 3 37 | 1 14 | 23 40 | 0 1 | 20 38 | 0 4 | 21 36 | 0 45 | 6 23 | 12 30 | 21 50 | 21 35 | 26 24 | | n.a. |
| T 26 | 17 8 | 24 44 | 1 11 | 19 4 | 1 21 | 21 43 | 0 56 | 24 55 | 1 18 | 3 35 | 1 14 | 23 39 | 0 1 | 20 38 | 0 4 | 21 36 | 0 45 | 6 23 | 12 30 | 21 50 | 21 36 | 26 24 | | n.a. |
| W27 | 17 24 | 22 16 | 0 9 | 19 46 | 1 27 | 22 0 | 0 58 | 24 57 | 1 18 | 3 34 | 1 14 | 23 39 | 0 1 | 20 37 | 0 4 | 21 35 | 0 45 | 6 23 | 12 30 | 21 50 | 21 36 | 26 24 | | n.a. |
| T 28 | 17 40 | 18 48 | 0n55 | 20 25 | 1 33 | 22 17 | 1 0 | 24 59 | 1 18 | 3 32 | 1 14 | 23 39 | 0 1 | 20 37 | 0 4 | 21 35 | 0 45 | 6 23 | 12 29 | 21 50 | 21 37 | 26 24 | | n.a. |
| F 29 | 17 56 | 14 29 | 1 58 | 21 2 | 1 38 | 22 33 | 1 2 | 25 1 | 1 18 | 3 30 | 1 13 | 23 39 | 0 1 | 20 36 | 0 4 | 21 35 | 0 45 | 6 24 | 12 29 | 21 50 | 21 38 | 26 24 | | n.a. |
| S 30 | 18 12 | 9 27 | 2 56 | 21 36 | 1 43 | 22 48 | 1 4 | 25 3 | 1 18 | 3 29 | 1 13 | 23 39 | 0 1 | 20 36 | 0 4 | 21 35 | 0 45 | 6 24 | 12 28 | 21 50 | 21 38 | 26 24 | | n.a. |
| S 31 | 18n27 | 3s53 | 3n48 | 22n 8 | 1n47 | 23n 3 | 1n 6 | 25n 5 | 1n17 | 3s27 | 1n13 | 23s39 | 0n 1 | 20s35 | 0s 4 | 21s35 | 0n45 | 6n24 | 12n28 | 21s51 | 21s39 | 26s24 | | n.a. |

Julian Day Number = 1007114.5, Delta T = 12h44m21s
Ecliptic obliquity = 23°55'15, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'15, Lahiri = -30°55'14 Julian Calendar 1 May 1956 BCE == Greg. Calendar 14 Apr. 1956 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## JUNE 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 15 31 34 | 22♉16'59 | 24♓56 | 1♊18 | 8♊29 | 24♊51 | 11°R16 | 21°R40 | 29°R46 | 9°R25 | 12°R31 | 23°R21 | 24♑29 | 17♐ 6 | n.a. | M 1 |
| T 2 | 15 35 30 | 23°14'08 | 8♈48 | 3°17 | 9°42 | 25°29 | 11♎12 | 21♐37 | 29♏43 | 9♐23 | 12♎30 | 23♑15 | 24°26 | 17°13 | n.a. | T 2 |
| W 3 | 15 39 27 | 24°11'17 | 23°10 | 5°15 | 10°56 | 26° 6 | 11° 8 | 21°33 | 29°41 | 9°22 | 12°29 | 23° 7 | 24°23 | 17°19 | n.a. | W 3 |
| T 4 | 15 43 23 | 25° 8'28 | 7♉55 | 7°11 | 12° 9 | 26°44 | 11° 4 | 21°29 | 29°39 | 9°20 | 12°28 | 22°58 | 24°19 | 17°26 | n.a. | T 4 |
| F 5 | 15 47 20 | 26° 5'39 | 22°58 | 9° 5 | 13°23 | 27°21 | 11° 1 | 21°25 | 29°36 | 9°18 | 12°27 | 22°50 | 24°16 | 17°33 | n.a. | F 5 |
| S 6 | 15 51 17 | 27° 2'51 | 8♊ 8 | 10°57 | 14°36 | 27°59 | 10°57 | 21°21 | 29°34 | 9°17 | 12°26 | 22°43 | 24°13 | 17°39 | n.a. | S 6 |
| S 7 | 15 55 13 | 28° 0'04 | 23°16 | 12°48 | 15°50 | 28°36 | 10°54 | 21°18 | 29°31 | 9°15 | 12°25 | 22°38 | 24°10 | 17°46 | n.a. | S 7 |
| M 8 | 15 59 10 | 28°57'18 | 8♋12 | 14°37 | 17° 4 | 29°14 | 10°51 | 21°14 | 29°29 | 9°14 | 12°24 | 22°35 | 24° 7 | 17°53 | n.a. | M 8 |
| T 9 | 16 3 6 | 29°54'32 | 22°50 | 16°24 | 18°17 | 29°51 | 10°48 | 21°10 | 29°27 | 9°12 | 12°23 | 22°D34 | 24° 4 | 17°59 | n.a. | T 9 |
| W10 | 16 7 3 | 0♊51'46 | 7♌ 4 | 18°10 | 19°31 | 0♋29 | 10°45 | 21° 6 | 29°24 | 9°11 | 12°22 | 22°34 | 24° 0 | 18° 6 | n.a. | W10 |
| T 11 | 16 10 59 | 1°49'02 | 20°55 | 19°54 | 20°44 | 1° 7 | 10°43 | 21° 1 | 29°22 | 9° 9 | 12°21 | 22°35 | 23°57 | 18°13 | n.a. | T 11 |
| F 12 | 16 14 56 | 2°46'17 | 4♍23 | 21°36 | 21°58 | 1°45 | 10°41 | 20°57 | 29°19 | 9° 7 | 12°20 | 22°R36 | 23°54 | 18°19 | n.a. | F 12 |
| S 13 | 16 18 53 | 3°43'34 | 17°30 | 23°16 | 23°11 | 2°22 | 10°38 | 20°53 | 29°17 | 9° 6 | 12°19 | 22°35 | 23°51 | 18°26 | n.a. | S 13 |
| S 14 | 16 22 49 | 4°40'51 | 0♎18 | 24°54 | 24°25 | 3° 0 | 10°36 | 20°49 | 29°15 | 9° 4 | 12°18 | 22°32 | 23°48 | 18°33 | n.a. | S 14 |
| M15 | 16 26 46 | 5°38'09 | 12°51 | 26°31 | 25°38 | 3°38 | 10°35 | 20°45 | 29°12 | 9° 2 | 12°18 | 22°27 | 23°45 | 18°40 | n.a. | M15 |
| T 16 | 16 30 42 | 6°35'28 | 25°12 | 28° 6 | 26°52 | 4°16 | 10°33 | 20°40 | 29°10 | 9° 1 | 12°17 | 22°20 | 23°41 | 18°46 | n.a. | T 16 |
| W17 | 16 34 39 | 7°32'47 | 7♏23 | 29°40 | 28° 5 | 4°54 | 10°32 | 20°36 | 29° 7 | 8°59 | 12°16 | 22°13 | 23°38 | 18°53 | n.a. | W17 |
| T 18 | 16 38 35 | 8°30'08 | 19°26 | 1♋11 | 29°19 | 5°32 | 10°30 | 20°32 | 29° 5 | 8°58 | 12°15 | 22° 5 | 23°35 | 19° 0 | n.a. | T 18 |
| F 19 | 16 42 32 | 9°27'30 | 1♐22 | 2°41 | 0♋32 | 6°10 | 10°29 | 20°27 | 29° 3 | 8°56 | 12°15 | 21°57 | 23°32 | 19° 6 | n.a. | F 19 |
| S 20 | 16 46 28 | 10°24'53 | 13°14 | 4° 9 | 1°46 | 6°48 | 10°28 | 20°23 | 29° 0 | 8°54 | 12°14 | 21°50 | 23°29 | 19°13 | n.a. | S 20 |
| S 21 | 16 50 25 | 11°22'17 | 25° 4 | 5°35 | 2°59 | 7°26 | 10°28 | 20°19 | 28°58 | 8°53 | 12°13 | 21°45 | 23°25 | 19°20 | n.a. | S 21 |
| M22 | 16 54 22 | 12°19'43 | 6♑52 | 7° 0 | 4°13 | 8° 4 | 10°27 | 20°14 | 28°56 | 8°51 | 12°13 | 21°42 | 23°22 | 19°26 | n.a. | M22 |
| T 23 | 16 58 18 | 13°17'10 | 18°43 | 8°22 | 5°26 | 8°42 | 10°27 | 20°10 | 28°53 | 8°49 | 12°12 | 21°D41 | 23°19 | 19°33 | n.a. | T 23 |
| W24 | 17 2 15 | 14°14'38 | 0♒38 | 9°43 | 6°40 | 9°20 | 10°D27 | 20° 5 | 28°51 | 8°48 | 12°12 | 21°42 | 23°16 | 19°40 | n.a. | W24 |
| T 25 | 17 6 11 | 15°12'08 | 12°42 | 11° 2 | 7°53 | 9°58 | 10°27 | 20° 1 | 28°49 | 8°46 | 12°11 | 21°43 | 23°13 | 19°46 | n.a. | T 25 |
| F 26 | 17 10 8 | 16° 9'39 | 24°58 | 12°19 | 9° 6 | 10°37 | 10°27 | 19°56 | 28°47 | 8°45 | 12°11 | 21°44 | 23°10 | 19°53 | n.a. | F 26 |
| S 27 | 17 14 4 | 17° 7'12 | 7♓30 | 13°34 | 10°20 | 11°15 | 10°28 | 19°52 | 28°44 | 8°43 | 12°10 | 21°46 | 23° 6 | 20° 0 | n.a. | S 27 |
| S 28 | 17 18 1 | 18° 4'47 | 20°24 | 14°47 | 11°33 | 11°53 | 10°28 | 19°47 | 28°42 | 8°41 | 12°10 | 21°R46 | 23° 3 | 20° 6 | n.a. | S 28 |
| M29 | 17 21 57 | 19° 2'23 | 3♈43 | 15°57 | 12°47 | 12°32 | 10°29 | 19°43 | 28°40 | 8°40 | 12° 9 | 21°45 | 23° 0 | 20°13 | n.a. | M29 |
| T 30 | 17 25 54 | 20♊ 0'02 | 17♈29 | 17♋ 6 | 14♋ 0 | 13♋10 | 10♎30 | 19♐38 | 28♏38 | 8♐38 | 12♎ 9 | 21♑43 | 22♑57 | 20♐20 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 18n42 | 2n 2 | 4n29 | 22n37 | 1n50 | 23n16 | 1n 8 | 25n 6 | 1n17 | 3s26 | 1n13 | 23s39 | 0n 0 | 20s35 | 0s 4 | 21s34 | 0n45 | 6n24 | 12n28 | 21s51 | 21s39 | 26s24 | | n.a. |
| T 2 | 18 57 | 8 4 | 4 55 | 23 4 | 1 52 | 23 30 | 1 9 | 25 8 | 1 17 | 3 25 | 1 12 | 23 39 | 0 0 | 20 34 | 0 5 | 21 34 | 0 45 | 6 24 | 12 27 | 21 52 | 21 40 | 26 24 | | n.a. |
| W 3 | 19 12 | 13 53 | 5 5 | 23 28 | 1 54 | 23 42 | 1 11 | 25 9 | 1 17 | 3 23 | 1 12 | 23 38 | 0 0 | 20 34 | 0 5 | 21 34 | 0 45 | 6 24 | 12 27 | 21 54 | 21 40 | 26 24 | | n.a. |
| T 4 | 19 26 | 19 4 | 4 55 | 23 50 | 1 55 | 23 54 | 1 13 | 25 10 | 1 17 | 3 22 | 1 12 | 23 38 | 0 0 | 20 33 | 0 5 | 21 34 | 0 45 | 6 24 | 12 27 | 21 55 | 21 41 | 26 24 | | n.a. |
| F 5 | 19 40 | 23 8 | 4 24 | 24 9 | 1 55 | 24 6 | 1 14 | 25 10 | 1 17 | 3 21 | 1 11 | 23 38 | 0 0 | 20 33 | 0 5 | 21 33 | 0 45 | 6 24 | 12 26 | 21 57 | 21 42 | 26 24 | | n.a. |
| S 6 | 19 53 | 25 38 | 3 35 | 24 26 | 1 55 | 24 16 | 1 16 | 25 11 | 1 17 | 3 20 | 1 11 | 23 38 | 0 0 | 20 32 | 0 5 | 21 33 | 0 45 | 6 24 | 12 26 | 21 58 | 21 42 | 26 23 | | n.a. |
| S 7 | 20 7 | 26 15 | 2 31 | 24 41 | 1 55 | 24 26 | 1 17 | 25 11 | 1 17 | 3 19 | 1 11 | 23 38 | 0s 0 | 20 32 | 0 5 | 21 33 | 0 45 | 6 24 | 12 26 | 21 59 | 21 43 | 26 23 | | n.a. |
| M 8 | 20 20 | 24 56 | 1 16 | 24 53 | 1 53 | 24 35 | 1 19 | 25 12 | 1 16 | 3 18 | 1 11 | 23 38 | 0 0 | 20 31 | 0 5 | 21 33 | 0 45 | 6 24 | 12 25 | 21 59 | 21 43 | 26 23 | | n.a. |
| T 9 | 20 32 | 21 55 | 0s 1 | 25 4 | 1 52 | 24 43 | 1 20 | 25 12 | 1 16 | 3 17 | 1 10 | 23 37 | 0 0 | 20 31 | 0 5 | 21 32 | 0 45 | 6 24 | 12 25 | 21 59 | 21 44 | 26 23 | | n.a. |
| W10 | 20 44 | 17 38 | 1 17 | 25 12 | 1 49 | 24 51 | 1 22 | 25 11 | 1 16 | 3 16 | 1 10 | 23 37 | 0 0 | 20 30 | 0 5 | 21 32 | 0 45 | 6 24 | 12 24 | 21 59 | 21 44 | 26 23 | | n.a. |
| T 11 | 20 56 | 12 30 | 2 27 | 25 18 | 1 46 | 24 58 | 1 23 | 25 11 | 1 16 | 3 16 | 1 10 | 23 37 | 0 0 | 20 30 | 0 5 | 21 32 | 0 45 | 6 24 | 12 24 | 21 59 | 21 45 | 26 23 | | n.a. |
| F 12 | 21 8 | 6 55 | 3 26 | 25 21 | 1 43 | 25 4 | 1 24 | 25 10 | 1 16 | 3 15 | 1 9 | 23 37 | 0 1 | 20 29 | 0 5 | 21 32 | 0 45 | 6 24 | 12 24 | 21 59 | 21 46 | 26 23 | | n.a. |
| S 13 | 21 19 | 1 10 | 4 12 | 25 24 | 1 39 | 25 10 | 1 25 | 25 10 | 1 16 | 3 14 | 1 9 | 23 37 | 0 1 | 20 29 | 0 5 | 21 31 | 0 45 | 6 24 | 12 23 | 21 59 | 21 46 | 26 23 | | n.a. |
| S 14 | 21 30 | 4s28 | 4 45 | 25 24 | 1 35 | 25 14 | 1 26 | 25 9 | 1 16 | 3 14 | 1 9 | 23 36 | 0 1 | 20 28 | 0 5 | 21 31 | 0 45 | 6 24 | 12 23 | 22 0 | 21 47 | 26 23 | | n.a. |
| M15 | 21 41 | 9 49 | 5 4 | 25 22 | 1 30 | 25 18 | 1 27 | 25 8 | 1 15 | 3 13 | 1 9 | 23 36 | 0 1 | 20 27 | 0 5 | 21 31 | 0 45 | 6 24 | 12 22 | 22 0 | 21 47 | 26 23 | | n.a. |
| T 16 | 21 51 | 14 42 | 5 8 | 25 19 | 1 24 | 25 21 | 1 28 | 25 6 | 1 15 | 3 13 | 1 8 | 23 36 | 0 1 | 20 27 | 0 5 | 21 31 | 0 45 | 6 24 | 12 22 | 22 2 | 21 48 | 26 22 | | n.a. |
| W17 | 22 0 | 18 55 | 4 57 | 25 14 | 1 19 | 25 24 | 1 29 | 25 5 | 1 15 | 3 13 | 1 8 | 23 36 | 0 1 | 20 26 | 0 5 | 21 30 | 0 45 | 6 24 | 12 21 | 22 3 | 21 48 | 26 22 | | n.a. |
| T 18 | 22 10 | 22 19 | 4 34 | 25 8 | 1 13 | 25 25 | 1 30 | 25 3 | 1 15 | 3 12 | 1 8 | 23 36 | 0 1 | 20 26 | 0 5 | 21 30 | 0 45 | 6 24 | 12 21 | 22 4 | 21 49 | 26 22 | | n.a. |
| F 19 | 22 19 | 24 44 | 3 59 | 25 0 | 1 6 | 25 26 | 1 31 | 25 1 | 1 15 | 3 12 | 1 7 | 23 35 | 0 1 | 20 25 | 0 5 | 21 30 | 0 44 | 6 24 | 12 21 | 22 5 | 21 49 | 26 22 | | n.a. |
| S 20 | 22 27 | 26 2 | 3 13 | 24 51 | 0 59 | 25 26 | 1 31 | 24 59 | 1 15 | 3 12 | 1 7 | 23 35 | 0 1 | 20 25 | 0 5 | 21 30 | 0 44 | 6 24 | 12 20 | 22 7 | 21 50 | 26 22 | | n.a. |
| S 21 | 22 36 | 26 9 | 2 20 | 24 40 | 0 52 | 25 25 | 1 32 | 24 57 | 1 15 | 3 12 | 1 7 | 23 35 | 0 1 | 20 24 | 0 5 | 21 30 | 0 44 | 6 23 | 12 20 | 22 7 | 21 51 | 26 22 | | n.a. |
| M22 | 22 44 | 25 4 | 1 20 | 24 28 | 0 45 | 25 24 | 1 33 | 24 54 | 1 14 | 3 12 | 1 6 | 23 35 | 0 2 | 20 24 | 0 5 | 21 29 | 0 44 | 6 23 | 12 19 | 22 8 | 21 51 | 26 22 | | n.a. |
| T 23 | 22 51 | 22 51 | 0 16 | 24 16 | 0 37 | 25 22 | 1 33 | 24 52 | 1 14 | 3 12 | 1 6 | 23 34 | 0 2 | 20 23 | 0 5 | 21 29 | 0 44 | 6 23 | 12 19 | 22 8 | 21 52 | 26 21 | | n.a. |
| W24 | 22 58 | 19 38 | 0n49 | 24 2 | 0 28 | 25 18 | 1 34 | 24 49 | 1 14 | 3 13 | 1 6 | 23 34 | 0 2 | 20 23 | 0 5 | 21 29 | 0 44 | 6 23 | 12 18 | 22 8 | 21 52 | 26 21 | | n.a. |
| T 25 | 23 5 | 15 33 | 1 52 | 23 47 | 0 20 | 25 15 | 1 34 | 24 46 | 1 14 | 3 13 | 1 5 | 23 34 | 0 2 | 20 22 | 0 5 | 21 29 | 0 44 | 6 23 | 12 18 | 22 8 | 21 53 | 26 21 | | n.a. |
| F 26 | 23 11 | 10 46 | 2 52 | 23 31 | 0 11 | 25 10 | 1 34 | 24 43 | 1 14 | 3 13 | 1 5 | 23 34 | 0 2 | 20 22 | 0 5 | 21 28 | 0 44 | 6 22 | 12 17 | 22 7 | 21 53 | 26 21 | | n.a. |
| S 27 | 23 17 | 5 28 | 3 44 | 23 15 | 0 2 | 25 5 | 1 35 | 24 39 | 1 13 | 3 14 | 1 5 | 23 33 | 0 2 | 20 21 | 0 5 | 21 28 | 0 44 | 6 22 | 12 17 | 22 7 | 21 54 | 26 21 | | n.a. |
| S 28 | 23 22 | 0n13 | 4 27 | 22 57 | 0s 8 | 24 59 | 1 35 | 24 36 | 1 13 | 3 14 | 1 5 | 23 33 | 0 2 | 20 21 | 0 5 | 21 28 | 0 44 | 6 22 | 12 16 | 22 7 | 21 54 | 26 20 | | n.a. |
| M29 | 23 27 | 6 3 | 4 58 | 22 40 | 0 17 | 24 52 | 1 35 | 24 32 | 1 13 | 3 15 | 1 4 | 23 33 | 0 2 | 20 20 | 0 5 | 21 28 | 0 44 | 6 22 | 12 16 | 22 7 | 21 55 | 26 20 | | n.a. |
| T 30 | 23n32 | 11n47 | 5n12 | 22n21 | 0s27 | 24n44 | 1n35 | 24n28 | 1n13 | 3s16 | 1n 4 | 23s33 | 0s 2 | 20s20 | 0s 5 | 21s27 | 0n44 | 6n21 | 12n15 | 22s 8 | 21s55 | 26s20 | | n.a. |

Julian Day Number = 1007145.5, Delta T = 12h44m18s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'11, Lahiri = -30°55'10 Julian Calendar 1 June 1956 BCE == Greg. Calendar 15 May 1956 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## JULY 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 17 29 51 | 20♊57'41 | 1♉42 | 18♋12 | 15♋13 | 13♋48 | 10♎31 | 19°R34 | 28°R36 | 8°R37 | 12°R 9 | 21°R40 | 22♑54 | 20♐26 | n.a. | W 1 |
| T 2 | 17 33 47 | 21°55'23 | 16°21 | 19°15 | 16°27 | 14°27 | 10°32 | 19♐29 | 28♏33 | 8♐35 | 12♎ 8 | 21♑35 | 22°51 | 20°33 | n.a. | T 2 |
| F 3 | 17 37 44 | 22°53'07 | 1♊20 | 20°16 | 17°40 | 15° 5 | 10°34 | 19°25 | 28°31 | 8°33 | 12° 8 | 21°31 | 22°47 | 20°40 | n.a. | F 3 |
| S 4 | 17 41 40 | 23°50'52 | 16°32 | 21°15 | 18°54 | 15°44 | 10°36 | 19°20 | 28°29 | 8°32 | 12° 8 | 21°28 | 22°44 | 20°46 | n.a. | S 4 |
| S 5 | 17 45 37 | 24°48'39 | 1♋45 | 22°10 | 20° 7 | 16°22 | 10°38 | 19°16 | 28°27 | 8°30 | 12° 8 | 21°26 | 22°41 | 20°53 | n.a. | S 5 |
| M 6 | 17 49 33 | 25°46'28 | 16°50 | 23° 3 | 21°20 | 17° 1 | 10°40 | 19°11 | 28°25 | 8°29 | 12° 8 | 21°D25 | 22°38 | 21° 0 | n.a. | M 6 |
| T 7 | 17 53 30 | 26°44'18 | 1♌40 | 23°52 | 22°34 | 17°40 | 10°42 | 19° 7 | 28°23 | 8°27 | 12° 8 | 21°25 | 22°35 | 21° 6 | n.a. | T 7 |
| W 8 | 17 57 27 | 27°42'09 | 16° 7 | 24°39 | 23°47 | 18°18 | 10°44 | 19° 2 | 28°21 | 8°26 | 12° 7 | 21°26 | 22°31 | 21°13 | n.a. | W 8 |
| T 9 | 18 1 23 | 28°40'02 | 0♍ 8 | 25°21 | 25° 0 | 18°57 | 10°47 | 18°58 | 28°19 | 8°24 | 12° 7 | 21°27 | 22°28 | 21°20 | n.a. | T 9 |
| F 10 | 18 5 20 | 29°37'56 | 13°43 | 26° 0 | 26°14 | 19°36 | 10°50 | 18°53 | 28°17 | 8°23 | 12°D 7 | 21°29 | 22°25 | 21°26 | n.a. | F 10 |
| S 11 | 18 9 16 | 0♋35'52 | 26°53 | 26°35 | 27°27 | 20°15 | 10°53 | 18°49 | 28°15 | 8°21 | 12° 7 | 21°R29 | 22°22 | 21°33 | n.a. | S 11 |
| S 12 | 18 13 13 | 1°33'49 | 9♎41 | 27° 6 | 28°40 | 20°54 | 10°56 | 18°45 | 28°13 | 8°20 | 12° 7 | 21°29 | 22°19 | 21°40 | n.a. | S 12 |
| M13 | 18 17 9 | 2°31'48 | 22°10 | 27°33 | 29°53 | 21°33 | 10°59 | 18°40 | 28°11 | 8°18 | 12° 7 | 21°28 | 22°16 | 21°46 | n.a. | M13 |
| T 14 | 18 21 6 | 3°29'48 | 4♏25 | 27°54 | 1♌ 7 | 22°11 | 11° 3 | 18°36 | 28°10 | 8°17 | 12° 8 | 21°26 | 22°12 | 21°53 | n.a. | T 14 |
| W15 | 18 25 2 | 4°27'50 | 16°28 | 28°11 | 2°20 | 22°50 | 11° 6 | 18°32 | 28° 8 | 8°15 | 12° 8 | 21°24 | 22° 9 | 22° 0 | n.a. | W15 |
| T 16 | 18 28 59 | 5°25'54 | 28°24 | 28°23 | 3°33 | 23°29 | 11°10 | 18°28 | 28° 6 | 8°14 | 12° 8 | 21°21 | 22° 6 | 22° 6 | n.a. | T 16 |
| F 17 | 18 32 55 | 6°23'59 | 10♐15 | 28°29 | 4°46 | 24° 9 | 11°14 | 18°23 | 28° 4 | 8°13 | 12° 8 | 21°19 | 22° 3 | 22°13 | n.a. | F 17 |
| S 18 | 18 36 52 | 7°22'06 | 22° 4 | 28°R29 | 5°59 | 24°48 | 11°19 | 18°19 | 28° 3 | 8°11 | 12° 8 | 21°17 | 22° 0 | 22°20 | n.a. | S 18 |
| S 19 | 18 40 49 | 8°20'15 | 3♑54 | 28°23 | 7°13 | 25°27 | 11°23 | 18°15 | 28° 1 | 8°10 | 12° 9 | 21°16 | 21°57 | 22°26 | n.a. | S 19 |
| M20 | 18 44 45 | 9°18'26 | 15°46 | 28°11 | 8°26 | 26° 6 | 11°27 | 18°11 | 27°59 | 8° 9 | 12° 9 | 21°D15 | 21°53 | 22°33 | n.a. | M20 |
| T 21 | 18 48 42 | 10°16'39 | 27°43 | 27°53 | 9°39 | 26°45 | 11°32 | 18° 7 | 27°58 | 8° 7 | 12° 9 | 21°15 | 21°50 | 22°40 | n.a. | T 21 |
| W22 | 18 52 38 | 11°14'54 | 9♒47 | 27°29 | 10°52 | 27°24 | 11°37 | 18° 3 | 27°56 | 8° 6 | 12°10 | 21°16 | 21°47 | 22°46 | n.a. | W22 |
| T 23 | 18 56 35 | 12°13'11 | 22° 0 | 26°58 | 12° 5 | 28° 4 | 11°42 | 17°59 | 27°55 | 8° 5 | 12°10 | 21°16 | 21°44 | 22°53 | n.a. | T 23 |
| F 24 | 19 0 31 | 13°11'30 | 4♓24 | 26°21 | 13°18 | 28°43 | 11°47 | 17°55 | 27°53 | 8° 3 | 12°11 | 21°17 | 21°41 | 23° 0 | n.a. | F 24 |
| S 25 | 19 4 28 | 14° 9'51 | 17° 3 | 25°38 | 14°31 | 29°22 | 11°52 | 17°52 | 27°52 | 8° 2 | 12°11 | 21°18 | 21°37 | 23° 6 | n.a. | S 25 |
| S 26 | 19 8 24 | 15° 8'14 | 0♈ 0 | 24°50 | 15°44 | 0♌ 2 | 11°58 | 17°48 | 27°51 | 8° 1 | 12°12 | 21°19 | 21°34 | 23°13 | n.a. | S 26 |
| M27 | 19 12 21 | 16° 6'40 | 13°17 | 23°57 | 16°57 | 0°41 | 12° 4 | 17°44 | 27°49 | 8° 0 | 12°12 | 21°R19 | 21°31 | 23°20 | n.a. | M27 |
| T 28 | 19 16 18 | 17° 5'08 | 26°55 | 23° 0 | 18°10 | 1°21 | 12° 9 | 17°40 | 27°48 | 7°59 | 12°13 | 21°19 | 21°28 | 23°26 | n.a. | T 28 |
| W29 | 19 20 14 | 18° 3'39 | 10♉57 | 22° 0 | 19°23 | 2° 0 | 12°15 | 17°37 | 27°47 | 7°57 | 12°13 | 21°18 | 21°25 | 23°33 | n.a. | W29 |
| T 30 | 19 24 11 | 19° 2'12 | 25°20 | 20°59 | 20°36 | 2°40 | 12°22 | 17°33 | 27°45 | 7°56 | 12°14 | 21°18 | 21°22 | 23°40 | n.a. | T 30 |
| F 31 | 19 28 7 | 20♋ 0'48 | 10♊ 3 | 19♋57 | 21♌49 | 3♌19 | 12♎28 | 17♐30 | 27♏44 | 7♐55 | 12♎15 | 21♑18 | 21♑18 | 23♐46 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| W 1 | 23n36 | 17n 6 | 5n 8 | 22n 3 | 0s37 | 24n36 | 1n35 | 24n24 | 1n13 | 3s16 | 1n 4 | 23s32 | 0s 2 | 20s19 | 0s 5 | 21s27 | 0n44 | 6n21 | 12n15 | 22s 8 | 21s56 | 26s20 | | | n.a. |
| T 2 | 23 40 | 21 35 | 4 44 | 21 43 | 0 48 | 24 27 | 1 35 | 24 19 | 1 13 | 3 17 | 1 3 | 23 32 | 0 2 | 20 19 | 0 5 | 21 27 | 0 44 | 6 21 | 12 15 | 22 9 | 21 57 | 26 19 | | | n.a. |
| F 3 | 23 43 | 24 46 | 4 1 | 21 24 | 0 58 | 24 17 | 1 34 | 24 15 | 1 12 | 3 18 | 1 3 | 23 32 | 0 3 | 20 18 | 0 5 | 21 27 | 0 44 | 6 20 | 12 14 | 22 10 | 21 57 | 26 19 | | | n.a. |
| S 4 | 23 46 | 26 12 | 3 0 | 21 4 | 1 9 | 24 7 | 1 34 | 24 10 | 1 12 | 3 19 | 1 3 | 23 32 | 0 3 | 20 18 | 0 5 | 21 26 | 0 44 | 6 20 | 12 14 | 22 10 | 21 58 | 26 19 | | | n.a. |
| S 5 | 23 49 | 25 41 | 1 46 | 20 45 | 1 20 | 23 55 | 1 34 | 24 5 | 1 12 | 3 20 | 1 2 | 23 31 | 0 3 | 20 18 | 0 5 | 21 26 | 0 44 | 6 20 | 12 13 | 22 11 | 21 58 | 26 19 | | | n.a. |
| M 6 | 23 51 | 23 15 | 0 25 | 20 25 | 1 30 | 23 44 | 1 33 | 24 0 | 1 12 | 3 21 | 1 2 | 23 31 | 0 3 | 20 17 | 0 5 | 21 26 | 0 44 | 6 19 | 12 13 | 22 11 | 21 59 | 26 18 | | | n.a. |
| T 7 | 23 53 | 19 17 | 0s56 | 20 6 | 1 42 | 23 31 | 1 33 | 23 55 | 1 11 | 3 22 | 1 2 | 23 31 | 0 3 | 20 17 | 0 5 | 21 26 | 0 44 | 6 19 | 12 12 | 22 11 | 21 59 | 26 18 | | | n.a. |
| W 8 | 23 54 | 14 14 | 2 12 | 19 47 | 1 53 | 23 18 | 1 32 | 23 49 | 1 11 | 3 24 | 1 2 | 23 31 | 0 3 | 20 16 | 0 5 | 21 26 | 0 44 | 6 18 | 12 12 | 22 10 | 22 0 | 26 18 | | | n.a. |
| T 9 | 23 55 | 8 35 | 3 17 | 19 28 | 2 4 | 23 4 | 1 32 | 23 43 | 1 11 | 3 25 | 1 1 | 23 30 | 0 3 | 20 16 | 0 5 | 21 25 | 0 44 | 6 18 | 12 11 | 22 10 | 22 0 | 26 17 | | | n.a. |
| F 10 | 23 55 | 2 42 | 4 10 | 19 10 | 2 15 | 22 49 | 1 31 | 23 37 | 1 11 | 3 26 | 1 1 | 23 30 | 0 3 | 20 15 | 0 5 | 21 25 | 0 44 | 6 18 | 12 11 | 22 10 | 22 1 | 26 17 | | | n.a. |
| S 11 | 23 55 | 3s 7 | 4 47 | 18 52 | 2 26 | 22 34 | 1 30 | 23 31 | 1 11 | 3 28 | 1 1 | 23 30 | 0 3 | 20 15 | 0 5 | 21 25 | 0 44 | 6 17 | 12 10 | 22 10 | 22 1 | 26 17 | | | n.a. |
| S 12 | 23 55 | 8 37 | 5 9 | 18 35 | 2 37 | 22 18 | 1 29 | 23 25 | 1 10 | 3 29 | 1 0 | 23 29 | 0 3 | 20 14 | 0 5 | 21 25 | 0 44 | 6 17 | 12 10 | 22 10 | 22 2 | 26 16 | | | n.a. |
| M13 | 23 54 | 13 40 | 5 16 | 18 19 | 2 48 | 22 1 | 1 28 | 23 19 | 1 10 | 3 31 | 1 0 | 23 29 | 0 4 | 20 14 | 0 5 | 21 24 | 0 44 | 6 16 | 12 9 | 22 10 | 22 2 | 26 16 | | | n.a. |
| T 14 | 23 52 | 18 3 | 5 8 | 18 5 | 2 59 | 21 44 | 1 27 | 23 12 | 1 10 | 3 32 | 1 0 | 23 29 | 0 4 | 20 14 | 0 5 | 21 24 | 0 44 | 6 16 | 12 9 | 22 10 | 22 3 | 26 16 | | | n.a. |
| W15 | 23 51 | 21 39 | 4 46 | 17 51 | 3 9 | 21 26 | 1 26 | 23 5 | 1 10 | 3 34 | 1 0 | 23 29 | 0 4 | 20 13 | 0 5 | 21 24 | 0 44 | 6 15 | 12 8 | 22 11 | 22 3 | 26 15 | | | n.a. |
| T 16 | 23 48 | 24 18 | 4 12 | 17 39 | 3 19 | 21 8 | 1 25 | 22 58 | 1 9 | 3 36 | 0 59 | 23 28 | 0 4 | 20 13 | 0 5 | 21 24 | 0 44 | 6 15 | 12 8 | 22 11 | 22 4 | 26 15 | | | n.a. |
| F 17 | 23 46 | 25 52 | 3 28 | 17 28 | 3 29 | 20 49 | 1 24 | 22 51 | 1 9 | 3 38 | 0 59 | 23 28 | 0 4 | 20 12 | 0 5 | 21 24 | 0 44 | 6 14 | 12 7 | 22 12 | 22 4 | 26 15 | | | n.a. |
| S 18 | 23 43 | 26 15 | 2 35 | 17 19 | 3 38 | 20 29 | 1 22 | 22 44 | 1 9 | 3 40 | 0 59 | 23 28 | 0 4 | 20 12 | 0 5 | 21 23 | 0 44 | 6 14 | 12 7 | 22 12 | 22 5 | 26 14 | | | n.a. |
| S 19 | 23 39 | 25 26 | 1 35 | 17 12 | 3 47 | 20 9 | 1 21 | 22 36 | 1 9 | 3 42 | 0 58 | 23 27 | 0 4 | 20 12 | 0 5 | 21 23 | 0 44 | 6 13 | 12 6 | 22 12 | 22 6 | 26 14 | | | n.a. |
| M20 | 23 35 | 23 28 | 0 30 | 17 7 | 3 54 | 19 48 | 1 20 | 22 28 | 1 8 | 3 44 | 0 58 | 23 27 | 0 4 | 20 11 | 0 5 | 21 23 | 0 44 | 6 12 | 12 6 | 22 12 | 22 6 | 26 14 | | | n.a. |
| T 21 | 23 31 | 20 27 | 0n36 | 17 4 | 4 1 | 19 27 | 1 18 | 22 21 | 1 8 | 3 46 | 0 58 | 23 27 | 0 4 | 20 11 | 0 5 | 21 23 | 0 44 | 6 12 | 12 5 | 22 12 | 22 7 | 26 13 | | | n.a. |
| W22 | 23 26 | 16 32 | 1 41 | 17 3 | 4 6 | 19 5 | 1 17 | 22 12 | 1 8 | 3 48 | 0 58 | 23 27 | 0 4 | 20 11 | 0 5 | 21 23 | 0 44 | 6 11 | 12 5 | 22 12 | 22 7 | 26 13 | | | n.a. |
| T 23 | 23 21 | 11 54 | 2 42 | 17 5 | 4 11 | 18 43 | 1 15 | 22 4 | 1 8 | 3 50 | 0 57 | 23 26 | 0 4 | 20 10 | 0 5 | 21 23 | 0 44 | 6 11 | 12 4 | 22 12 | 22 8 | 26 13 | | | n.a. |
| F 24 | 23 15 | 6 43 | 3 37 | 17 9 | 4 14 | 18 20 | 1 13 | 21 56 | 1 7 | 3 53 | 0 57 | 23 26 | 0 5 | 20 10 | 0 5 | 21 22 | 0 44 | 6 10 | 12 4 | 22 12 | 22 8 | 26 12 | | | n.a. |
| S 25 | 23 9 | 1 11 | 4 23 | 17 16 | 4 15 | 17 56 | 1 11 | 21 47 | 1 7 | 3 55 | 0 57 | 23 26 | 0 5 | 20 10 | 0 5 | 21 22 | 0 44 | 6 9 | 12 3 | 22 12 | 22 9 | 26 12 | | | n.a. |
| S 26 | 23 2 | 4n31 | 4 56 | 17 25 | 4 15 | 17 33 | 1 9 | 21 38 | 1 7 | 3 58 | 0 56 | 23 26 | 0 5 | 20 9 | 0 5 | 21 22 | 0 44 | 6 9 | 12 3 | 22 12 | 22 9 | 26 11 | | | n.a. |
| M27 | 22 56 | 10 9 | 5 15 | 17 36 | 4 12 | 17 8 | 1 7 | 21 29 | 1 7 | 4 0 | 0 56 | 23 25 | 0 5 | 20 9 | 0 5 | 21 22 | 0 44 | 6 8 | 12 2 | 22 12 | 22 10 | 26 11 | | | n.a. |
| T 28 | 22 48 | 15 28 | 5 16 | 17 50 | 4 8 | 16 44 | 1 5 | 21 20 | 1 6 | 4 3 | 0 56 | 23 25 | 0 5 | 20 9 | 0 5 | 21 22 | 0 44 | 6 7 | 12 2 | 22 12 | 22 10 | 26 10 | | | n.a. |
| W29 | 22 40 | 20 8 | 4 59 | 18 6 | 4 2 | 16 18 | 1 3 | 21 11 | 1 6 | 4 5 | 0 56 | 23 25 | 0 5 | 20 8 | 0 5 | 21 22 | 0 44 | 6 7 | 12 1 | 22 12 | 22 11 | 26 10 | | | n.a. |
| T 30 | 22 32 | 23 44 | 4 23 | 18 24 | 3 54 | 15 53 | 1 1 | 21 2 | 1 6 | 4 8 | 0 55 | 23 25 | 0 5 | 20 8 | 0 5 | 21 21 | 0 44 | 6 6 | 12 1 | 22 12 | 22 11 | 26 10 | | | n.a. |
| F 31 | 22n24 | 25n52 | 3n30 | 18n43 | 3s44 | 15n27 | 0n59 | 20n52 | 1n 6 | 4s11 | 0n55 | 23s24 | 0s 5 | 20s 8 | 0s 5 | 21s21 | 0n44 | 6n 5 | 12n 0 | 22s12 | 22s12 | 26s 9 | | | n.a. |

Julian Day Number = 1007175.5, Delta T = 12h44m16s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'07, Lahiri = -30°55'06 Julian Calendar 1 July 1956 BCE == Greg. Calendar 14 June 1956 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## AUGUST 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 32 4 | 20♋59'25 | 24♊59 | 18°R57 | 23♌ 1 | 3♌59 | 12♎34 | 17°R26 | 27°R43 | 7°R54 | 12♎15 | 21°D18 | 21♑15 | 23♐53 | n.a. | S 1 |
| S 2 | 19 36 0 | 21°58'06 | 10♋ 1 | 17♋59 | 24°14 | 4°39 | 12°41 | 17♐23 | 27♏42 | 7♐53 | 12°16 | 21♑18 | 21°12 | 24° 0 | n.a. | S 2 |
| M 3 | 19 39 57 | 22°56'48 | 25° 2 | 17° 4 | 25°27 | 5°19 | 12°48 | 17°20 | 27°41 | 7°52 | 12°17 | 21°R18 | 21° 9 | 24° 6 | n.a. | M 3 |
| T 4 | 19 43 53 | 23°55'32 | 9♌52 | 16°16 | 26°40 | 5°58 | 12°54 | 17°17 | 27°40 | 7°51 | 12°18 | 21°18 | 21° 6 | 24°13 | n.a. | T 4 |
| W 5 | 19 47 50 | 24°54'19 | 24°24 | 15°34 | 27°53 | 6°38 | 13° 1 | 17°14 | 27°39 | 7°50 | 12°19 | 21°18 | 21° 3 | 24°20 | n.a. | W 5 |
| T 6 | 19 51 47 | 25°53'07 | 8♍32 | 14°59 | 29° 6 | 7°18 | 13° 9 | 17°11 | 27°38 | 7°49 | 12°19 | 21°17 | 20°59 | 24°26 | n.a. | T 6 |
| F 7 | 19 55 43 | 26°51'57 | 22°15 | 14°33 | 0♍18 | 7°58 | 13°16 | 17° 8 | 27°37 | 7°48 | 12°20 | 21°17 | 20°56 | 24°33 | n.a. | F 7 |
| S 8 | 19 59 40 | 27°50'49 | 5♎32 | 14°16 | 1°31 | 8°38 | 13°23 | 17° 5 | 27°36 | 7°47 | 12°21 | 21°16 | 20°53 | 24°40 | n.a. | S 8 |
| S 9 | 20 3 36 | 28°49'43 | 18°24 | 14°D 9 | 2°44 | 9°18 | 13°31 | 17° 2 | 27°36 | 7°46 | 12°22 | 21°16 | 20°50 | 24°46 | n.a. | S 9 |
| M10 | 20 7 33 | 29°48'39 | 0♏55 | 14°12 | 3°56 | 9°58 | 13°39 | 16°59 | 27°35 | 7°45 | 12°23 | 21°D15 | 20°47 | 24°53 | n.a. | M10 |
| T 11 | 20 11 29 | 0♎47'37 | 13° 8 | 14°25 | 5° 9 | 10°38 | 13°46 | 16°57 | 27°34 | 7°45 | 12°24 | 21°16 | 20°43 | 25° 0 | n.a. | T 11 |
| W12 | 20 15 26 | 1°46'37 | 25° 9 | 14°48 | 6°21 | 11°18 | 13°54 | 16°54 | 27°34 | 7°44 | 12°25 | 21°16 | 20°40 | 25° 6 | n.a. | W12 |
| T 13 | 20 19 22 | 2°45'39 | 7♐ 2 | 15°20 | 7°34 | 11°59 | 14° 3 | 16°52 | 27°33 | 7°43 | 12°26 | 21°17 | 20°37 | 25°13 | n.a. | T 13 |
| F 14 | 20 23 19 | 3°44'43 | 18°51 | 16° 1 | 8°46 | 12°39 | 14°11 | 16°49 | 27°33 | 7°42 | 12°28 | 21°19 | 20°34 | 25°19 | n.a. | F 14 |
| S 15 | 20 27 15 | 4°43'49 | 0♑40 | 16°50 | 9°59 | 13°19 | 14°19 | 16°47 | 27°32 | 7°42 | 12°29 | 21°20 | 20°31 | 25°26 | n.a. | S 15 |
| S 16 | 20 31 12 | 5°42'57 | 12°33 | 17°48 | 11°11 | 13°59 | 14°28 | 16°45 | 27°32 | 7°41 | 12°30 | 21°20 | 20°28 | 25°33 | n.a. | S 16 |
| M17 | 20 35 9 | 6°42'07 | 24°31 | 18°53 | 12°24 | 14°40 | 14°36 | 16°43 | 27°31 | 7°40 | 12°31 | 21°R21 | 20°24 | 25°39 | n.a. | M17 |
| T 18 | 20 39 5 | 7°41'20 | 6♒38 | 20° 4 | 13°36 | 15°20 | 14°45 | 16°41 | 27°31 | 7°40 | 12°32 | 21°20 | 20°21 | 25°46 | n.a. | T 18 |
| W19 | 20 43 2 | 8°40'34 | 18°56 | 21°21 | 14°48 | 16° 1 | 14°54 | 16°39 | 27°31 | 7°39 | 12°34 | 21°19 | 20°18 | 25°53 | n.a. | W19 |
| T 20 | 20 46 58 | 9°39'51 | 1♓25 | 22°43 | 16° 1 | 16°41 | 15° 3 | 16°37 | 27°30 | 7°39 | 12°35 | 21°16 | 20°15 | 25°59 | n.a. | T 20 |
| F 21 | 20 50 55 | 10°39'10 | 14° 6 | 24°10 | 17°13 | 17°22 | 15°12 | 16°35 | 27°30 | 7°38 | 12°36 | 21°13 | 20°12 | 26° 6 | n.a. | F 21 |
| S 22 | 20 54 51 | 11°38'31 | 27° 1 | 25°40 | 18°25 | 18° 2 | 15°21 | 16°34 | 27°30 | 7°38 | 12°38 | 21°10 | 20° 9 | 26°13 | n.a. | S 22 |
| S 23 | 20 58 48 | 12°37'55 | 10♈ 9 | 27°14 | 19°37 | 18°43 | 15°31 | 16°32 | 27°30 | 7°37 | 12°39 | 21° 7 | 20° 5 | 26°19 | n.a. | S 23 |
| M24 | 21 2 44 | 13°37'22 | 23°32 | 28°51 | 20°49 | 19°24 | 15°40 | 16°31 | 27°D30 | 7°37 | 12°41 | 21° 5 | 20° 2 | 26°26 | n.a. | M24 |
| T 25 | 21 6 41 | 14°36'50 | 7♉11 | 0♌29 | 22° 1 | 20° 4 | 15°50 | 16°29 | 27°30 | 7°36 | 12°42 | 21° 4 | 19°59 | 26°33 | n.a. | T 25 |
| W26 | 21 10 37 | 15°36'22 | 21° 4 | 2°10 | 23°13 | 20°45 | 15°59 | 16°28 | 27°30 | 7°36 | 12°43 | 21°D 4 | 19°56 | 26°39 | n.a. | W26 |
| T 27 | 21 14 34 | 16°35'56 | 5♊12 | 3°51 | 24°25 | 21°26 | 16° 9 | 16°27 | 27°30 | 7°36 | 12°45 | 21° 5 | 19°53 | 26°46 | n.a. | T 27 |
| F 28 | 21 18 31 | 17°35'32 | 19°34 | 5°34 | 25°37 | 22° 7 | 16°19 | 16°26 | 27°30 | 7°35 | 12°46 | 21° 6 | 19°49 | 26°53 | n.a. | F 28 |
| S 29 | 21 22 27 | 18°35'11 | 4♋ 7 | 7°18 | 26°49 | 22°48 | 16°29 | 16°25 | 27°31 | 7°35 | 12°48 | 21° 8 | 19°46 | 26°59 | n.a. | S 29 |
| S 30 | 21 26 24 | 19°34'53 | 18°46 | 9° 2 | 28° 1 | 23°29 | 16°39 | 16°24 | 27°31 | 7°35 | 12°50 | 21°R 8 | 19°43 | 27° 6 | n.a. | S 30 |
| M31 | 21 30 20 | 20♌34'37 | 3♌27 | 10♌46 | 29♍13 | 24♌10 | 16♎49 | 16♐23 | 27♏31 | 7♐34 | 12♎51 | 21♑ 8 | 19♑40 | 27♐13 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n15 | 26n10 | 2n21 | 19n 4 | 3s32 | 15n 0 | 0n57 | 20n42 | 1n 5 | 4s13 | 0n55 | 23s24 | 0s 5 | 20s 8 | 0s 5 | 21s21 | 0n44 | 6n 5 | 12n 0 | 22s12 | 22s12 | 26s 9 | | n.a. |
| S 2 | 22 5 | 24 34 | 1 2 | 19 25 | 3 18 | 14 34 | 0 54 | 20 32 | 1 5 | 4 16 | 0 55 | 23 24 | 0 5 | 20 7 | 0 5 | 21 21 | 0 43 | 6 4 | 11 59 | 22 12 | 22 13 | 26 8 | | n.a. |
| M 3 | 21 55 | 21 13 | 0s21 | 19 47 | 3 2 | 14 6 | 0 52 | 20 22 | 1 5 | 4 19 | 0 54 | 23 24 | 0 5 | 20 7 | 0 5 | 21 21 | 0 43 | 6 3 | 11 59 | 22 12 | 22 13 | 26 8 | | n.a. |
| T 4 | 21 45 | 16 30 | 1 41 | 20 10 | 2 46 | 13 39 | 0 49 | 20 12 | 1 4 | 4 22 | 0 54 | 23 23 | 0 6 | 20 7 | 0 5 | 21 21 | 0 43 | 6 2 | 11 58 | 22 12 | 22 14 | 26 7 | | n.a. |
| W 5 | 21 35 | 10 56 | 2 54 | 20 32 | 2 28 | 13 11 | 0 47 | 20 1 | 1 4 | 4 25 | 0 54 | 23 23 | 0 6 | 20 7 | 0 5 | 21 21 | 0 43 | 6 2 | 11 58 | 22 12 | 22 14 | 26 7 | | n.a. |
| T 6 | 21 24 | 4 56 | 3 53 | 20 55 | 2 10 | 12 43 | 0 44 | 19 51 | 1 4 | 4 28 | 0 54 | 23 23 | 0 6 | 20 7 | 0 5 | 21 20 | 0 43 | 6 1 | 11 58 | 22 12 | 22 15 | 26 6 | | n.a. |
| F 7 | 21 12 | 1s 6 | 4 38 | 21 16 | 1 51 | 12 14 | 0 42 | 19 40 | 1 3 | 4 31 | 0 53 | 23 23 | 0 6 | 20 6 | 0 5 | 21 20 | 0 43 | 6 0 | 11 57 | 22 12 | 22 15 | 26 6 | | n.a. |
| S 8 | 21 0 | 6 54 | 5 6 | 21 37 | 1 32 | 11 45 | 0 39 | 19 29 | 1 3 | 4 35 | 0 53 | 23 23 | 0 6 | 20 6 | 0 5 | 21 20 | 0 43 | 5 59 | 11 57 | 22 12 | 22 16 | 26 5 | | n.a. |
| S 9 | 20 48 | 12 13 | 5 17 | 21 57 | 1 13 | 11 16 | 0 36 | 19 18 | 1 3 | 4 38 | 0 53 | 23 22 | 0 6 | 20 6 | 0 5 | 21 20 | 0 43 | 5 58 | 11 56 | 22 12 | 22 16 | 26 5 | | n.a. |
| M10 | 20 36 | 16 53 | 5 13 | 22 15 | 0 54 | 10 47 | 0 33 | 19 6 | 1 3 | 4 41 | 0 53 | 23 22 | 0 6 | 20 6 | 0 5 | 21 20 | 0 43 | 5 58 | 11 56 | 22 12 | 22 17 | 26 4 | | n.a. |
| T 11 | 20 23 | 20 46 | 4 55 | 22 31 | 0 36 | 10 17 | 0 31 | 18 55 | 1 2 | 4 44 | 0 52 | 23 22 | 0 6 | 20 6 | 0 5 | 21 20 | 0 43 | 5 57 | 11 55 | 22 12 | 22 17 | 26 4 | | n.a. |
| W12 | 20 10 | 23 42 | 4 24 | 22 46 | 0 19 | 9 47 | 0 28 | 18 43 | 1 2 | 4 48 | 0 52 | 23 22 | 0 6 | 20 6 | 0 5 | 21 20 | 0 43 | 5 56 | 11 55 | 22 12 | 22 18 | 26 3 | | n.a. |
| T 13 | 19 56 | 25 34 | 3 42 | 22 59 | 0 2 | 9 17 | 0 25 | 18 32 | 1 2 | 4 51 | 0 52 | 23 22 | 0 6 | 20 5 | 0 5 | 21 20 | 0 43 | 5 55 | 11 54 | 22 12 | 22 18 | 26 3 | | n.a. |
| F 14 | 19 42 | 26 16 | 2 51 | 23 9 | 0n13 | 8 47 | 0 22 | 18 20 | 1 1 | 4 55 | 0 52 | 23 22 | 0 6 | 20 5 | 0 5 | 21 20 | 0 43 | 5 54 | 11 54 | 22 12 | 22 19 | 26 2 | | n.a. |
| S 15 | 19 28 | 25 47 | 1 52 | 23 17 | 0 28 | 8 16 | 0 19 | 18 8 | 1 1 | 4 58 | 0 51 | 23 21 | 0 6 | 20 5 | 0 5 | 21 19 | 0 43 | 5 53 | 11 53 | 22 11 | 22 19 | 26 1 | | n.a. |
| S 16 | 19 13 | 24 7 | 0 49 | 23 23 | 0 41 | 7 45 | 0 16 | 17 56 | 1 1 | 5 2 | 0 51 | 23 21 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 52 | 11 53 | 22 11 | 22 20 | 26 1 | | n.a. |
| M17 | 18 58 | 21 22 | 0n18 | 23 26 | 0 53 | 7 14 | 0 12 | 17 43 | 1 0 | 5 5 | 0 51 | 23 21 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 52 | 11 52 | 22 11 | 22 20 | 26 0 | | n.a. |
| T 18 | 18 43 | 17 38 | 1 24 | 23 27 | 1 4 | 6 43 | 0 9 | 17 31 | 1 0 | 5 9 | 0 51 | 23 21 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 51 | 11 52 | 22 11 | 22 21 | 26 0 | | n.a. |
| W19 | 18 27 | 13 8 | 2 27 | 23 24 | 1 14 | 6 12 | 0 6 | 17 18 | 1 0 | 5 13 | 0 50 | 23 21 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 50 | 11 52 | 22 12 | 22 21 | 25 59 | | n.a. |
| T 20 | 18 11 | 8 1 | 3 24 | 23 19 | 1 23 | 5 40 | 0 3 | 17 5 | 0 59 | 5 16 | 0 50 | 23 21 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 49 | 11 51 | 22 12 | 22 22 | 25 59 | | n.a. |
| F 21 | 17 55 | 2 31 | 4 11 | 23 11 | 1 30 | 5 8 | 0s 0 | 16 52 | 0 59 | 5 20 | 0 50 | 23 21 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 48 | 11 51 | 22 12 | 22 22 | 25 58 | | n.a. |
| S 22 | 17 38 | 3n10 | 4 47 | 23 1 | 1 36 | 4 37 | 0 4 | 16 39 | 0 59 | 5 24 | 0 50 | 23 21 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 47 | 11 50 | 22 13 | 22 23 | 25 57 | | n.a. |
| S 23 | 17 21 | 8 49 | 5 9 | 22 48 | 1 42 | 4 5 | 0 7 | 16 26 | 0 58 | 5 28 | 0 50 | 23 21 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 46 | 11 50 | 22 13 | 22 23 | 25 57 | | n.a. |
| M24 | 17 4 | 14 10 | 5 15 | 22 32 | 1 46 | 3 33 | 0 11 | 16 13 | 0 58 | 5 32 | 0 49 | 23 20 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 45 | 11 49 | 22 14 | 22 23 | 25 56 | | n.a. |
| T 25 | 16 47 | 18 56 | 5 3 | 22 14 | 1 50 | 3 1 | 0 14 | 15 59 | 0 57 | 5 36 | 0 49 | 23 20 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 44 | 11 49 | 22 14 | 22 24 | 25 55 | | n.a. |
| W26 | 16 29 | 22 46 | 4 33 | 21 54 | 1 52 | 2 29 | 0 17 | 15 46 | 0 57 | 5 40 | 0 49 | 23 20 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 43 | 11 49 | 22 14 | 22 24 | 25 55 | | n.a. |
| T 27 | 16 11 | 25 18 | 3 46 | 21 31 | 1 54 | 1 56 | 0 21 | 15 32 | 0 57 | 5 44 | 0 49 | 23 20 | 0 7 | 20 5 | 0 5 | 21 19 | 0 43 | 5 42 | 11 48 | 22 14 | 22 25 | 25 54 | | n.a. |
| F 28 | 15 52 | 26 14 | 2 45 | 21 7 | 1 55 | 1 24 | 0 24 | 15 18 | 0 56 | 5 48 | 0 48 | 23 20 | 0 8 | 20 5 | 0 5 | 21 19 | 0 43 | 5 41 | 11 48 | 22 14 | 22 25 | 25 54 | | n.a. |
| S 29 | 15 33 | 25 23 | 1 32 | 20 40 | 1 55 | 0 52 | 0 28 | 15 4 | 0 56 | 5 52 | 0 48 | 23 20 | 0 8 | 20 5 | 0 5 | 21 19 | 0 43 | 5 40 | 11 47 | 22 13 | 22 26 | 25 53 | | n.a. |
| S 30 | 15 14 | 22 47 | 0 13 | 20 12 | 1 55 | 0 19 | 0 31 | 14 50 | 0 56 | 5 56 | 0 48 | 23 20 | 0 8 | 20 5 | 0 5 | 21 19 | 0 43 | 5 39 | 11 47 | 22 13 | 22 26 | 25 52 | | n.a. |
| M31 | 14n55 | 18n41 | 1s 7 | 19n42 | 1n54 | 0s13 | 0s35 | 14n36 | 0n55 | 6s 0 | 0n48 | 23s20 | 0s 8 | 20s 5 | 0s 5 | 21s19 | 0n43 | 5n38 | 11n47 | 22s13 | 22s27 | 25s52 | | n.a. |

Julian Day Number = 1007206.5, Delta T = 12h44m14s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°02'02, Lahiri = -30°55'02 Julian Calendar 1 Aug. 1956 BCE == Greg. Calendar 15 July 1956 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## SEPTEMBER 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 34 17 | 21♌34'23 | 18♌ 2 | 12♌31 | 0♎25 | 24♌51 | 17♎ 0 | 16°R23 | 27♏32 | 7°R34 | 12♎53 | 21°R 6 | 19♑37 | 27♐19 | n.a. | T 1 |
| W 2 | 21 38 13 | 22°34'11 | 2♍25 | 14°15 | 1°37 | 25°32 | 17°10 | 16♐22 | 27°32 | 7♐34 | 12°55 | 21♑ 2 | 19°34 | 27°26 | n.a. | W 2 |
| T 3 | 21 42 10 | 23°34'01 | 16°31 | 15°59 | 2°48 | 26°13 | 17°21 | 16°22 | 27°32 | 7°34 | 12°56 | 20°58 | 19°30 | 27°33 | n.a. | T 3 |
| F 4 | 21 46 6 | 24°33'53 | 0♎15 | 17°43 | 4° 0 | 26°54 | 17°31 | 16°21 | 27°33 | 7°34 | 12°58 | 20°52 | 19°27 | 27°39 | n.a. | F 4 |
| S 5 | 21 50 3 | 25°33'47 | 13°34 | 19°27 | 5°12 | 27°35 | 17°42 | 16°21 | 27°34 | 7°34 | 13° 0 | 20°47 | 19°24 | 27°46 | n.a. | S 5 |
| S 6 | 21 53 59 | 26°33'43 | 26°30 | 21°11 | 6°23 | 28°17 | 17°53 | 16°21 | 27°34 | 7°D34 | 13° 1 | 20°42 | 19°21 | 27°53 | n.a. | S 6 |
| M 7 | 21 57 56 | 27°33'41 | 9♏ 4 | 22°53 | 7°35 | 28°58 | 18° 4 | 16°D21 | 27°35 | 7°34 | 13° 3 | 20°39 | 19°18 | 27°59 | n.a. | M 7 |
| T 8 | 22 1 53 | 28°33'41 | 21°19 | 24°36 | 8°46 | 29°39 | 18°15 | 16°21 | 27°36 | 7°34 | 13° 5 | 20°37 | 19°14 | 28° 6 | n.a. | T 8 |
| W 9 | 22 5 49 | 29°33'43 | 3♐20 | 26°18 | 9°57 | 0♍21 | 18°26 | 16°21 | 27°36 | 7°34 | 13° 7 | 20°D37 | 19°11 | 28°13 | n.a. | W 9 |
| T 10 | 22 9 46 | 0♍33'46 | 15°13 | 27°59 | 11° 9 | 1° 2 | 18°37 | 16°21 | 27°37 | 7°34 | 13° 9 | 20°38 | 19° 8 | 28°19 | n.a. | T 10 |
| F 11 | 22 13 42 | 1°33'52 | 27° 1 | 29°40 | 12°20 | 1°44 | 18°48 | 16°22 | 27°38 | 7°34 | 13°11 | 20°39 | 19° 5 | 28°26 | n.a. | F 11 |
| S 12 | 22 17 39 | 2°33'59 | 8♑51 | 1♍21 | 13°31 | 2°25 | 19° 0 | 16°22 | 27°39 | 7°35 | 13°12 | 20°41 | 19° 2 | 28°33 | n.a. | S 12 |
| S 13 | 22 21 35 | 3°34'08 | 20°46 | 3° 0 | 14°42 | 3° 7 | 19°11 | 16°23 | 27°40 | 7°35 | 13°14 | 20°R41 | 18°59 | 28°39 | n.a. | S 13 |
| M14 | 22 25 32 | 4°34'19 | 2♒52 | 4°40 | 15°53 | 3°49 | 19°22 | 16°24 | 27°41 | 7°35 | 13°16 | 20°41 | 18°55 | 28°46 | n.a. | M14 |
| T 15 | 22 29 28 | 5°34'31 | 15°10 | 6°19 | 17° 4 | 4°30 | 19°34 | 16°24 | 27°42 | 7°35 | 13°18 | 20°38 | 18°52 | 28°53 | n.a. | T 15 |
| W16 | 22 33 25 | 6°34'46 | 27°42 | 7°57 | 18°15 | 5°12 | 19°46 | 16°25 | 27°43 | 7°36 | 13°20 | 20°33 | 18°49 | 28°59 | n.a. | W16 |
| T 17 | 22 37 21 | 7°35'02 | 10♓31 | 9°35 | 19°26 | 5°54 | 19°57 | 16°26 | 27°45 | 7°36 | 13°22 | 20°26 | 18°46 | 29° 6 | n.a. | T 17 |
| F 18 | 22 41 18 | 8°35'20 | 23°35 | 11°12 | 20°36 | 6°36 | 20° 9 | 16°27 | 27°46 | 7°37 | 13°24 | 20°17 | 18°43 | 29°12 | n.a. | F 18 |
| S 19 | 22 45 15 | 9°35'41 | 6♈53 | 12°49 | 21°47 | 7°18 | 20°21 | 16°29 | 27°47 | 7°37 | 13°26 | 20° 8 | 18°40 | 29°19 | n.a. | S 19 |
| S 20 | 22 49 11 | 10°36'03 | 20°24 | 14°25 | 22°58 | 8° 0 | 20°33 | 16°30 | 27°48 | 7°37 | 13°28 | 20° 0 | 18°36 | 29°26 | n.a. | S 20 |
| M21 | 22 53 8 | 11°36'27 | 4♉ 5 | 16° 1 | 24° 8 | 8°42 | 20°45 | 16°31 | 27°50 | 7°38 | 13°30 | 19°53 | 18°33 | 29°32 | n.a. | M21 |
| T 22 | 22 57 4 | 12°36'54 | 17°55 | 17°37 | 25°19 | 9°24 | 20°57 | 16°33 | 27°51 | 7°38 | 13°32 | 19°48 | 18°30 | 29°39 | n.a. | T 22 |
| W23 | 23 1 1 | 13°37'23 | 1♊52 | 19°12 | 26°29 | 10° 6 | 21° 9 | 16°34 | 27°53 | 7°39 | 13°35 | 19°45 | 18°27 | 29°46 | n.a. | W23 |
| T 24 | 23 4 57 | 14°37'54 | 15°55 | 20°47 | 27°39 | 10°48 | 21°22 | 16°36 | 27°54 | 7°40 | 13°37 | 19°D45 | 18°24 | 29°52 | n.a. | T 24 |
| F 25 | 23 8 54 | 15°38'27 | 0♋ 2 | 22°21 | 28°49 | 11°30 | 21°34 | 16°38 | 27°56 | 7°40 | 13°39 | 19°45 | 18°20 | 29°59 | n.a. | F 25 |
| S 26 | 23 12 50 | 16°39'02 | 14°13 | 23°55 | 29°59 | 12°12 | 21°46 | 16°40 | 27°57 | 7°41 | 13°41 | 19°R46 | 18°17 | 0♑ 6 | n.a. | S 26 |
| S 27 | 23 16 47 | 17°39'39 | 28°27 | 25°29 | 1♏ 9 | 12°55 | 21°59 | 16°42 | 27°59 | 7°42 | 13°43 | 19°46 | 18°14 | 0°12 | n.a. | S 27 |
| M28 | 23 20 44 | 18°40'18 | 12♌40 | 27° 2 | 2°19 | 13°37 | 22°11 | 16°44 | 28° 1 | 7°42 | 13°45 | 19°44 | 18°11 | 0°19 | n.a. | M28 |
| T 29 | 23 24 40 | 19°40'59 | 26°50 | 28°35 | 3°29 | 14°19 | 22°24 | 16°46 | 28° 3 | 7°43 | 13°48 | 19°39 | 18° 8 | 0°26 | n.a. | T 29 |
| W30 | 23 28 37 | 20♍41'41 | 10♍51 | 0♎ 8 | 4♏39 | 15♍ 2 | 22♎37 | 16♐49 | 28♏ 4 | 7♐44 | 13♎50 | 19♑31 | 18♑ 5 | 0♑32 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n36 | 13n29 | 2s22 | 19n11 | 1n52 | 0s45 | 0s38 | 14n22 | 0n55 | 6s 5 | 0n48 | 23s20 | 0s 8 | 20s 5 | 0s 5 | 21s19 | 0n42 | 5n37 | 11n46 | 22s14 | 22s27 | 25s51 | | n.a. |
| W 2 | 14 16 | 7 36 | 3 27 | 18 38 | 1 50 | 1 18 | 0 42 | 14 7 | 0 54 | 6 9 | 0 47 | 23 20 | 0 8 | 20 5 | 0 5 | 21 19 | 0 42 | 5 36 | 11 46 | 22 14 | 22 28 | 25 50 | | n.a. |
| T 3 | 13 56 | 1 29 | 4 18 | 18 4 | 1 48 | 1 50 | 0 46 | 13 53 | 0 54 | 6 13 | 0 47 | 23 20 | 0 8 | 20 5 | 0 5 | 21 19 | 0 42 | 5 35 | 11 45 | 22 15 | 22 28 | 25 50 | | n.a. |
| F 4 | 13 36 | 4s33 | 4 52 | 17 29 | 1 45 | 2 22 | 0 49 | 13 38 | 0 54 | 6 17 | 0 47 | 23 20 | 0 8 | 20 6 | 0 5 | 21 19 | 0 42 | 5 34 | 11 45 | 22 16 | 22 29 | 25 49 | | n.a. |
| S 5 | 13 15 | 10 11 | 5 9 | 16 53 | 1 41 | 2 54 | 0 53 | 13 23 | 0 53 | 6 22 | 0 47 | 23 20 | 0 8 | 20 6 | 0 5 | 21 19 | 0 42 | 5 33 | 11 45 | 22 17 | 22 29 | 25 48 | | n.a. |
| S 6 | 12 55 | 15 13 | 5 10 | 16 16 | 1 37 | 3 27 | 0 56 | 13 8 | 0 53 | 6 26 | 0 47 | 23 20 | 0 8 | 20 6 | 0 5 | 21 19 | 0 42 | 5 32 | 11 44 | 22 17 | 22 30 | 25 47 | | n.a. |
| M 7 | 12 34 | 19 28 | 4 56 | 15 38 | 1 33 | 3 59 | 1 0 | 12 53 | 0 52 | 6 31 | 0 46 | 23 21 | 0 8 | 20 6 | 0 5 | 21 19 | 0 42 | 5 31 | 11 44 | 22 18 | 22 30 | 25 47 | | n.a. |
| T 8 | 12 13 | 22 45 | 4 28 | 14 59 | 1 29 | 4 31 | 1 3 | 12 38 | 0 52 | 6 35 | 0 46 | 23 21 | 0 8 | 20 6 | 0 5 | 21 19 | 0 42 | 5 30 | 11 44 | 22 18 | 22 31 | 25 46 | | n.a. |
| W 9 | 11 51 | 25 0 | 3 49 | 14 19 | 1 24 | 5 3 | 1 7 | 12 23 | 0 52 | 6 39 | 0 46 | 23 21 | 0 8 | 20 6 | 0 5 | 21 19 | 0 42 | 5 29 | 11 43 | 22 18 | 22 31 | 25 45 | | n.a. |
| T 10 | 11 30 | 26 5 | 3 1 | 13 39 | 1 19 | 5 34 | 1 11 | 12 7 | 0 51 | 6 44 | 0 46 | 23 21 | 0 9 | 20 7 | 0 5 | 21 19 | 0 42 | 5 28 | 11 43 | 22 18 | 22 31 | 25 45 | | n.a. |
| F 11 | 11 8 | 25 58 | 2 5 | 12 58 | 1 14 | 6 6 | 1 14 | 11 52 | 0 51 | 6 48 | 0 46 | 23 21 | 0 9 | 20 7 | 0 5 | 21 19 | 0 42 | 5 27 | 11 43 | 22 18 | 22 32 | 25 44 | | n.a. |
| S 12 | 10 46 | 24 41 | 1 4 | 12 17 | 1 9 | 6 38 | 1 18 | 11 36 | 0 50 | 6 53 | 0 45 | 23 21 | 0 9 | 20 7 | 0 5 | 21 19 | 0 42 | 5 26 | 11 42 | 22 18 | 22 32 | 25 43 | | n.a. |
| S 13 | 10 24 | 22 16 | 0n 0 | 11 35 | 1 3 | 7 9 | 1 21 | 11 20 | 0 50 | 6 58 | 0 45 | 23 21 | 0 9 | 20 7 | 0 5 | 21 19 | 0 42 | 5 25 | 11 42 | 22 17 | 22 33 | 25 42 | | n.a. |
| M14 | 10 2 | 18 51 | 1 6 | 10 53 | 0 57 | 7 40 | 1 25 | 11 5 | 0 50 | 7 2 | 0 45 | 23 21 | 0 9 | 20 7 | 0 5 | 21 19 | 0 42 | 5 24 | 11 42 | 22 18 | 22 33 | 25 42 | | n.a. |
| T 15 | 9 39 | 14 34 | 2 9 | 10 10 | 0 52 | 8 11 | 1 28 | 10 49 | 0 49 | 7 7 | 0 45 | 23 22 | 0 9 | 20 8 | 0 5 | 21 20 | 0 42 | 5 23 | 11 41 | 22 18 | 22 34 | 25 41 | | n.a. |
| W16 | 9 16 | 9 36 | 3 6 | 9 27 | 0 46 | 8 42 | 1 32 | 10 33 | 0 49 | 7 11 | 0 45 | 23 22 | 0 9 | 20 8 | 0 5 | 21 20 | 0 42 | 5 22 | 11 41 | 22 19 | 22 34 | 25 40 | | n.a. |
| T 17 | 8 54 | 4 8 | 3 56 | 8 44 | 0 39 | 9 13 | 1 35 | 10 17 | 0 48 | 7 16 | 0 45 | 23 22 | 0 9 | 20 8 | 0 5 | 21 20 | 0 42 | 5 21 | 11 41 | 22 20 | 22 35 | 25 39 | | n.a. |
| F 18 | 8 31 | 1n35 | 4 34 | 8 1 | 0 33 | 9 43 | 1 39 | 10 0 | 0 48 | 7 21 | 0 44 | 23 22 | 0 9 | 20 9 | 0 5 | 21 20 | 0 42 | 5 20 | 11 40 | 22 21 | 22 35 | 25 38 | | n.a. |
| S 19 | 8 8 | 7 20 | 4 59 | 7 18 | 0 27 | 10 14 | 1 42 | 9 44 | 0 47 | 7 26 | 0 44 | 23 22 | 0 9 | 20 9 | 0 5 | 21 20 | 0 42 | 5 19 | 11 40 | 22 23 | 22 35 | 25 38 | | n.a. |
| S 20 | 7 44 | 12 50 | 5 7 | 6 34 | 0 21 | 10 44 | 1 45 | 9 28 | 0 47 | 7 30 | 0 44 | 23 22 | 0 9 | 20 9 | 0 5 | 21 20 | 0 42 | 5 18 | 11 40 | 22 24 | 22 36 | 25 37 | | n.a. |
| M21 | 7 21 | 17 47 | 4 57 | 5 50 | 0 14 | 11 13 | 1 49 | 9 11 | 0 46 | 7 35 | 0 44 | 23 23 | 0 9 | 20 10 | 0 5 | 21 20 | 0 42 | 5 17 | 11 39 | 22 25 | 22 36 | 25 36 | | n.a. |
| T 22 | 6 58 | 21 50 | 4 31 | 5 6 | 0 8 | 11 43 | 1 52 | 8 55 | 0 46 | 7 40 | 0 44 | 23 23 | 0 9 | 20 10 | 0 5 | 21 20 | 0 42 | 5 16 | 11 39 | 22 26 | 22 37 | 25 35 | | n.a. |
| W23 | 6 34 | 24 40 | 3 48 | 4 23 | 0 1 | 12 12 | 1 55 | 8 38 | 0 46 | 7 45 | 0 44 | 23 23 | 0 10 | 20 10 | 0 5 | 21 20 | 0 42 | 5 14 | 11 39 | 22 26 | 22 37 | 25 34 | | n.a. |
| T 24 | 6 10 | 26 0 | 2 51 | 3 39 | 0s 5 | 12 41 | 1 58 | 8 21 | 0 45 | 7 49 | 0 43 | 23 23 | 0 10 | 20 11 | 0 5 | 21 21 | 0 42 | 5 13 | 11 39 | 22 26 | 22 38 | 25 34 | | n.a. |
| F 25 | 5 46 | 25 39 | 1 44 | 2 55 | 0 12 | 13 10 | 2 2 | 8 5 | 0 45 | 7 54 | 0 43 | 23 24 | 0 10 | 20 11 | 0 5 | 21 21 | 0 42 | 5 12 | 11 38 | 22 26 | 22 38 | 25 33 | | n.a. |
| S 26 | 5 22 | 23 38 | 0 30 | 2 11 | 0 18 | 13 38 | 2 5 | 7 48 | 0 44 | 7 59 | 0 43 | 23 24 | 0 10 | 20 11 | 0 5 | 21 21 | 0 42 | 5 11 | 11 38 | 22 26 | 22 39 | 25 32 | | n.a. |
| S 27 | 4 58 | 20 8 | 0s46 | 1 27 | 0 25 | 14 6 | 2 8 | 7 31 | 0 44 | 8 4 | 0 43 | 23 24 | 0 10 | 20 12 | 0 5 | 21 21 | 0 42 | 5 10 | 11 38 | 22 26 | 22 39 | 25 31 | | n.a. |
| M28 | 4 34 | 15 26 | 1 59 | 0 43 | 0 31 | 14 34 | 2 11 | 7 14 | 0 43 | 8 9 | 0 43 | 23 24 | 0 10 | 20 12 | 0 5 | 21 21 | 0 41 | 5 9 | 11 38 | 22 26 | 22 39 | 25 30 | | n.a. |
| T 29 | 4 10 | 9 56 | 3 4 | 0s 0 | 0 38 | 15 1 | 2 14 | 6 57 | 0 43 | 8 14 | 0 43 | 23 25 | 0 10 | 20 12 | 0 5 | 21 21 | 0 41 | 5 8 | 11 37 | 22 27 | 22 40 | 25 29 | | n.a. |
| W30 | 3n46 | 3n59 | 3s58 | 0s44 | 0s44 | 15s28 | 2s17 | 6n40 | 0n42 | 8s19 | 0n42 | 23s25 | 0s10 | 20s13 | 0s 5 | 21s21 | 0n41 | 5n 7 | 11n37 | 22s28 | 22s40 | 25s28 | | n.a. |

Julian Day Number = 1007237.5, Delta T = 12h44m12s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'58, Lahiri = -30°54'58 Julian Calendar 1 Sept. 1956 BCE == Greg. Calendar 15 Aug. 1956 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## OCTOBER 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 32 33 | 21♍42'25 | 24♍40 | 1♎40 | 5♏48 | 15♍44 | 22♎49 | 16♐51 | 28♏ 6 | 7♐45 | 13♎52 | 19°R21 | 18♉ 1 | 0♉39 | n.a. | T 1 |
| F 2 | 23 36 30 | 22°43'11 | 8♎13 | 3°13 | 6°58 | 16°27 | 23° 2 | 16°54 | 28° 8 | 7°46 | 13°54 | 19♉10 | 17°58 | 0°46 | n.a. | F 2 |
| S 3 | 23 40 26 | 23°43'58 | 21°27 | 4°44 | 8° 7 | 17° 9 | 23°15 | 16°56 | 28°10 | 7°47 | 13°56 | 18°59 | 17°55 | 0°52 | n.a. | S 3 |
| S 4 | 23 44 23 | 24°44'47 | 4♏20 | 6°16 | 9°16 | 17°52 | 23°28 | 16°59 | 28°12 | 7°47 | 13°59 | 18°48 | 17°52 | 0°59 | n.a. | S 4 |
| M 5 | 23 48 19 | 25°45'37 | 16°53 | 7°47 | 10°25 | 18°34 | 23°41 | 17° 2 | 28°14 | 7°48 | 14° 1 | 18°39 | 17°49 | 1° 6 | n.a. | M 5 |
| T 6 | 23 52 16 | 26°46'29 | 29° 9 | 9°18 | 11°34 | 19°17 | 23°53 | 17° 5 | 28°16 | 7°49 | 14° 3 | 18°33 | 17°46 | 1°12 | n.a. | T 6 |
| W 7 | 23 56 12 | 27°47'21 | 11♐11 | 10°49 | 12°43 | 20° 0 | 24° 6 | 17° 8 | 28°18 | 7°50 | 14° 5 | 18°30 | 17°42 | 1°19 | n.a. | W 7 |
| T 8 | 0 0 9 | 28°48'15 | 23° 3 | 12°20 | 13°52 | 20°43 | 24°20 | 17°11 | 28°21 | 7°52 | 14° 8 | 18°28 | 17°39 | 1°26 | n.a. | T 8 |
| F 9 | 0 4 6 | 29°49'10 | 4♑51 | 13°50 | 15° 1 | 21°26 | 24°33 | 17°14 | 28°23 | 7°53 | 14°10 | 18°D28 | 17°36 | 1°32 | n.a. | F 9 |
| S 10 | 0 8 2 | 0♎50'06 | 16°40 | 15°20 | 16° 9 | 22° 8 | 24°46 | 17°17 | 28°25 | 7°54 | 14°12 | 18°R28 | 17°33 | 1°39 | n.a. | S 10 |
| S 11 | 0 11 59 | 1°51'03 | 28°36 | 16°49 | 17°18 | 22°51 | 24°59 | 17°20 | 28°27 | 7°55 | 14°15 | 18°28 | 17°30 | 1°46 | n.a. | S 11 |
| M12 | 0 15 55 | 2°52'02 | 10♒45 | 18°18 | 18°26 | 23°34 | 25°12 | 17°24 | 28°30 | 7°56 | 14°17 | 18°26 | 17°26 | 1°52 | n.a. | M12 |
| T 13 | 0 19 52 | 3°53'01 | 23° 9 | 19°47 | 19°34 | 24°17 | 25°25 | 17°27 | 28°32 | 7°57 | 14°19 | 18°21 | 17°23 | 1°59 | n.a. | T 13 |
| W14 | 0 23 48 | 4°54'01 | 5♓53 | 21°15 | 20°42 | 25° 0 | 25°39 | 17°31 | 28°34 | 7°59 | 14°22 | 18°13 | 17°20 | 2° 5 | n.a. | W14 |
| T 15 | 0 27 45 | 5°55'02 | 18°58 | 22°42 | 21°49 | 25°44 | 25°52 | 17°35 | 28°37 | 8° 0 | 14°24 | 18° 3 | 17°17 | 2°12 | n.a. | T 15 |
| F 16 | 0 31 41 | 6°56'04 | 2♈24 | 24° 9 | 22°57 | 26°27 | 26° 5 | 17°39 | 28°39 | 8° 1 | 14°26 | 17°51 | 17°14 | 2°19 | n.a. | F 16 |
| S 17 | 0 35 38 | 7°57'07 | 16° 8 | 25°36 | 24° 4 | 27°10 | 26°19 | 17°42 | 28°42 | 8° 2 | 14°29 | 17°38 | 17°11 | 2°25 | n.a. | S 17 |
| S 18 | 0 39 35 | 8°58'12 | 0♉ 7 | 27° 1 | 25°11 | 27°53 | 26°32 | 17°46 | 28°44 | 8° 4 | 14°31 | 17°26 | 17° 7 | 2°32 | n.a. | S 18 |
| M19 | 0 43 31 | 9°59'18 | 14°15 | 28°25 | 26°18 | 28°36 | 26°46 | 17°51 | 28°47 | 8° 5 | 14°33 | 17°15 | 17° 4 | 2°39 | n.a. | M19 |
| T 20 | 0 47 28 | 11° 0'25 | 28°28 | 29°49 | 27°25 | 29°20 | 26°59 | 17°55 | 28°50 | 8° 7 | 14°36 | 17° 7 | 17° 1 | 2°45 | n.a. | T 20 |
| W21 | 0 51 24 | 12° 1'33 | 12♊42 | 1♏11 | 28°31 | 0♎ 3 | 27°13 | 17°59 | 28°52 | 8° 8 | 14°38 | 17° 2 | 16°58 | 2°52 | n.a. | W21 |
| T 22 | 0 55 21 | 13° 2'42 | 26°54 | 2°31 | 29°38 | 0°47 | 27°26 | 18° 3 | 28°55 | 8°10 | 14°40 | 17° 0 | 16°55 | 2°59 | n.a. | T 22 |
| F 23 | 0 59 17 | 14° 3'53 | 11♋ 0 | 3°50 | 0♐44 | 1°30 | 27°40 | 18° 8 | 28°58 | 8°11 | 14°43 | 16°59 | 16°51 | 3° 5 | n.a. | F 23 |
| S 24 | 1 3 14 | 15° 5'05 | 25° 2 | 5° 7 | 1°50 | 2°14 | 27°53 | 18°12 | 29° 0 | 8°13 | 14°45 | 16°59 | 16°48 | 3°12 | n.a. | S 24 |
| S 25 | 1 7 11 | 16° 6'18 | 8♌58 | 6°21 | 2°55 | 2°57 | 28° 7 | 18°17 | 29° 3 | 8°14 | 14°47 | 16°58 | 16°45 | 3°19 | n.a. | S 25 |
| M26 | 1 11 7 | 17° 7'31 | 22°48 | 7°33 | 4° 1 | 3°41 | 28°21 | 18°21 | 29° 6 | 8°16 | 14°50 | 16°55 | 16°42 | 3°25 | n.a. | M26 |
| T 27 | 1 15 4 | 18° 8'46 | 6♍31 | 8°42 | 5° 6 | 4°24 | 28°34 | 18°26 | 29° 9 | 8°17 | 14°52 | 16°49 | 16°39 | 3°32 | n.a. | T 27 |
| W28 | 1 19 0 | 19°10'02 | 20° 6 | 9°47 | 6°11 | 5° 8 | 28°48 | 18°31 | 29°12 | 8°19 | 14°55 | 16°40 | 16°36 | 3°39 | n.a. | W28 |
| T 29 | 1 22 57 | 20°11'18 | 3♎31 | 10°48 | 7°15 | 5°52 | 29° 2 | 18°36 | 29°15 | 8°21 | 14°57 | 16°28 | 16°32 | 3°45 | n.a. | T 29 |
| F 30 | 1 26 53 | 21°12'36 | 16°43 | 11°44 | 8°20 | 6°36 | 29°16 | 18°41 | 29°18 | 8°22 | 14°59 | 16°14 | 16°29 | 3°52 | n.a. | F 30 |
| S 31 | 1 30 50 | 22♎13'54 | 29♎40 | 12♏34 | 9♐24 | 7♎20 | 29♎29 | 18♐46 | 29♏21 | 8♐24 | 15♎ 2 | 16♉ 0 | 16♉26 | 3♉58 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 3n21 | 2s 3 | 4s36 | 1s27 | 0s51 | 15s55 | 2s20 | 6n22 | 0n42 | 8s24 | 0n42 | 23s25 | 0s10 | 20s13 | 0s 5 | 21s22 | 0n41 | 5n 6 | 11n37 | 22s30 | 22s41 | 25s28 | | | n.a. |
| F 2 | 2 57 | 7 52 | 4 58 | 2 10 | 0 57 | 16 21 | 2 22 | 6 5 | 0 41 | 8 29 | 0 42 | 23 26 | 0 10 | 20 14 | 0 5 | 21 22 | 0 41 | 5 5 | 11 37 | 22 31 | 22 41 | 25 27 | | | n.a. |
| S 3 | 2 32 | 13 11 | 5 3 | 2 53 | 1 3 | 16 47 | 2 25 | 5 48 | 0 41 | 8 34 | 0 42 | 23 26 | 0 10 | 20 14 | 0 5 | 21 22 | 0 41 | 5 4 | 11 36 | 22 33 | 22 42 | 25 26 | | | n.a. |
| S 4 | 2 8 | 17 47 | 4 52 | 3 35 | 1 9 | 17 12 | 2 28 | 5 30 | 0 40 | 8 39 | 0 42 | 23 26 | 0 10 | 20 15 | 0 5 | 21 22 | 0 41 | 5 3 | 11 36 | 22 34 | 22 42 | 25 25 | | | n.a. |
| M 5 | 1 43 | 21 29 | 4 28 | 4 18 | 1 15 | 17 37 | 2 30 | 5 13 | 0 40 | 8 44 | 0 42 | 23 27 | 0 10 | 20 15 | 0 5 | 21 22 | 0 41 | 5 2 | 11 36 | 22 36 | 22 42 | 25 24 | | | n.a. |
| T 6 | 1 18 | 24 7 | 3 51 | 5 0 | 1 21 | 18 1 | 2 33 | 4 55 | 0 39 | 8 49 | 0 42 | 23 27 | 0 10 | 20 16 | 0 5 | 21 23 | 0 41 | 5 1 | 11 36 | 22 36 | 22 43 | 25 23 | | | n.a. |
| W 7 | 0 54 | 25 37 | 3 5 | 5 41 | 1 27 | 18 26 | 2 35 | 4 38 | 0 39 | 8 54 | 0 41 | 23 27 | 0 10 | 20 16 | 0 5 | 21 23 | 0 41 | 5 0 | 11 36 | 22 37 | 22 43 | 25 22 | | | n.a. |
| T 8 | 0 29 | 25 55 | 2 11 | 6 23 | 1 32 | 18 49 | 2 38 | 4 20 | 0 38 | 8 59 | 0 41 | 23 28 | 0 11 | 20 17 | 0 5 | 21 23 | 0 41 | 4 58 | 11 35 | 22 37 | 22 44 | 25 21 | | | n.a. |
| F 9 | 0 4 | 25 2 | 1 12 | 7 3 | 1 38 | 19 12 | 2 40 | 4 3 | 0 38 | 9 4 | 0 41 | 23 28 | 0 11 | 20 17 | 0 5 | 21 23 | 0 41 | 4 57 | 11 35 | 22 37 | 22 44 | 25 20 | | | n.a. |
| S 10 | 0s20 | 23 1 | 0 10 | 7 44 | 1 43 | 19 35 | 2 42 | 3 45 | 0 37 | 9 9 | 0 41 | 23 29 | 0 11 | 20 18 | 0 5 | 21 23 | 0 41 | 4 56 | 11 35 | 22 37 | 22 45 | 25 19 | | | n.a. |
| S 11 | 0 45 | 19 59 | 0n54 | 8 23 | 1 48 | 19 57 | 2 44 | 3 27 | 0 37 | 9 14 | 0 41 | 23 29 | 0 11 | 20 18 | 0 5 | 21 24 | 0 41 | 4 55 | 11 35 | 22 37 | 22 45 | 25 18 | | | n.a. |
| M12 | 1 10 | 16 3 | 1 55 | 9 3 | 1 52 | 20 19 | 2 46 | 3 9 | 0 36 | 9 19 | 0 41 | 23 29 | 0 11 | 20 19 | 0 5 | 21 24 | 0 41 | 4 54 | 11 35 | 22 37 | 22 45 | 25 17 | | | n.a. |
| T 13 | 1 34 | 11 21 | 2 53 | 9 41 | 1 57 | 20 40 | 2 48 | 2 51 | 0 36 | 9 24 | 0 41 | 23 30 | 0 11 | 20 19 | 0 5 | 21 24 | 0 41 | 4 53 | 11 35 | 22 38 | 22 46 | 25 17 | | | n.a. |
| W14 | 1 59 | 6 5 | 3 43 | 10 19 | 2 1 | 21 0 | 2 50 | 2 33 | 0 35 | 9 29 | 0 40 | 23 30 | 0 11 | 20 20 | 0 5 | 21 24 | 0 41 | 4 52 | 11 34 | 22 39 | 22 46 | 25 16 | | | n.a. |
| T 15 | 2 24 | 0 25 | 4 23 | 10 56 | 2 5 | 21 21 | 2 52 | 2 16 | 0 35 | 9 34 | 0 40 | 23 31 | 0 11 | 20 20 | 0 5 | 21 25 | 0 41 | 4 51 | 11 34 | 22 40 | 22 47 | 25 15 | | | n.a. |
| F 16 | 2 48 | 5n23 | 4 50 | 11 32 | 2 9 | 21 40 | 2 53 | 1 58 | 0 34 | 9 39 | 0 40 | 23 31 | 0 11 | 20 21 | 0 5 | 21 25 | 0 41 | 4 50 | 11 34 | 22 42 | 22 47 | 25 14 | | | n.a. |
| S 17 | 3 13 | 11 4 | 5 0 | 12 8 | 2 12 | 21 59 | 2 55 | 1 40 | 0 33 | 9 44 | 0 40 | 23 31 | 0 11 | 20 21 | 0 5 | 21 25 | 0 41 | 4 49 | 11 34 | 22 44 | 22 48 | 25 13 | | | n.a. |
| S 18 | 3 37 | 16 18 | 4 53 | 12 42 | 2 15 | 22 17 | 2 56 | 1 22 | 0 33 | 9 49 | 0 40 | 23 32 | 0 11 | 20 22 | 0 5 | 21 25 | 0 41 | 4 48 | 11 34 | 22 45 | 22 48 | 25 12 | | | n.a. |
| M19 | 4 2 | 20 41 | 4 28 | 13 16 | 2 18 | 22 35 | 2 57 | 1 4 | 0 32 | 9 54 | 0 40 | 23 32 | 0 11 | 20 23 | 0 5 | 21 26 | 0 41 | 4 47 | 11 34 | 22 47 | 22 48 | 25 11 | | | n.a. |
| T 20 | 4 26 | 23 54 | 3 46 | 13 48 | 2 20 | 22 52 | 2 59 | 0 45 | 0 32 | 9 59 | 0 40 | 23 33 | 0 11 | 20 23 | 0 5 | 21 26 | 0 41 | 4 46 | 11 34 | 22 48 | 22 49 | 25 10 | | | n.a. |
| W21 | 4 51 | 25 36 | 2 51 | 14 19 | 2 21 | 23 9 | 3 0 | 0 27 | 0 31 | 10 4 | 0 40 | 23 33 | 0 11 | 20 24 | 0 5 | 21 26 | 0 41 | 4 45 | 11 34 | 22 49 | 22 49 | 25 9 | | | n.a. |
| T 22 | 5 15 | 25 37 | 1 44 | 14 49 | 2 23 | 23 25 | 3 1 | 0 9 | 0 31 | 10 9 | 0 39 | 23 34 | 0 11 | 20 24 | 0 5 | 21 26 | 0 41 | 4 44 | 11 34 | 22 49 | 22 50 | 25 8 | | | n.a. |
| F 23 | 5 39 | 23 59 | 0 32 | 15 17 | 2 23 | 23 40 | 3 1 | 0s 9 | 0 30 | 10 14 | 0 39 | 23 34 | 0 12 | 20 25 | 0 5 | 21 27 | 0 41 | 4 43 | 11 33 | 22 49 | 22 50 | 25 7 | | | n.a. |
| S 24 | 6 3 | 20 52 | 0s42 | 15 44 | 2 23 | 23 55 | 3 2 | 0 27 | 0 30 | 10 20 | 0 39 | 23 35 | 0 12 | 20 26 | 0 5 | 21 27 | 0 41 | 4 42 | 11 33 | 22 49 | 22 50 | 25 6 | | | n.a. |
| S 25 | 6 27 | 16 33 | 1 53 | 16 8 | 2 22 | 24 9 | 3 3 | 0 45 | 0 29 | 10 25 | 0 39 | 23 35 | 0 12 | 20 26 | 0 5 | 21 27 | 0 41 | 4 41 | 11 33 | 22 49 | 22 51 | 25 5 | | | n.a. |
| M26 | 6 51 | 11 24 | 2 57 | 16 31 | 2 21 | 24 22 | 3 3 | 1 3 | 0 28 | 10 30 | 0 39 | 23 36 | 0 12 | 20 27 | 0 5 | 21 27 | 0 41 | 4 40 | 11 33 | 22 49 | 22 51 | 25 4 | | | n.a. |
| T 27 | 7 15 | 5 45 | 3 50 | 16 52 | 2 18 | 24 35 | 3 3 | 1 22 | 0 28 | 10 35 | 0 39 | 23 36 | 0 12 | 20 28 | 0 5 | 21 28 | 0 41 | 4 39 | 11 33 | 22 50 | 22 52 | 25 3 | | | n.a. |
| W28 | 7 39 | 0s 7 | 4 29 | 17 10 | 2 15 | 24 47 | 3 4 | 1 40 | 0 27 | 10 40 | 0 39 | 23 37 | 0 12 | 20 28 | 0 5 | 21 28 | 0 40 | 4 38 | 11 33 | 22 51 | 22 52 | 25 1 | | | n.a. |
| T 29 | 8 3 | 5 53 | 4 52 | 17 26 | 2 11 | 24 58 | 3 4 | 1 58 | 0 27 | 10 45 | 0 39 | 23 37 | 0 12 | 20 29 | 0 5 | 21 28 | 0 40 | 4 37 | 11 33 | 22 53 | 22 52 | 25 0 | | | n.a. |
| F 30 | 8 26 | 11 17 | 5 0 | 17 39 | 2 6 | 25 9 | 3 4 | 2 16 | 0 26 | 10 50 | 0 39 | 23 38 | 0 12 | 20 29 | 0 5 | 21 29 | 0 40 | 4 36 | 11 33 | 22 55 | 22 53 | 24 59 | | | n.a. |
| S 31 | 8s49 | 16s 7 | 4s52 | 17s49 | 2s 0 | 25s19 | 3s 3 | 2s35 | 0n25 | 10s55 | 0n38 | 23s38 | 0s12 | 20s30 | 0s 5 | 21s29 | 0n40 | 4n35 | 11n33 | 22s56 | 22s53 | 24s58 | | | n.a. |

Julian Day Number = 1007267.5, Delta T = 12h44m10s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'54, Lahiri = -30°54'54 Julian Calendar 1 Oct. 1956 BCE == Greg. Calendar 14 Sept. 1956 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## NOVEMBER 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 34 46 | 23♎15'12 | 12♏22 | 13♏19 | 10♐28 | 8♎ 3 | 29♎43 | 18♐51 | 29♏24 | 8♐26 | 15♎ 4 | 15°R47 | 16♑23 | 4♑ 5 | n.a. | S 1 |
| M 2 | 1 38 43 | 24°16'31 | 24°49 | 13°56 | 11°31 | 8°47 | 29°57 | 18°56 | 29°27 | 8°27 | 15° 6 | 15♑36 | 16°20 | 4°12 | n.a. | M 2 |
| T 3 | 1 42 40 | 25°17'50 | 7♐ 0 | 14°25 | 12°35 | 9°31 | 0♏11 | 19° 1 | 29°30 | 8°29 | 15° 9 | 15°27 | 16°17 | 4°18 | n.a. | T 3 |
| W 4 | 1 46 36 | 26°19'10 | 19° 0 | 14°46 | 13°37 | 10°15 | 0°24 | 19° 6 | 29°33 | 8°31 | 15°11 | 15°22 | 16°13 | 4°25 | n.a. | W 4 |
| T 5 | 1 50 33 | 27°20'29 | 0♑51 | 14°57 | 14°40 | 10°59 | 0°38 | 19°12 | 29°36 | 8°33 | 15°13 | 15°19 | 16°10 | 4°32 | n.a. | T 5 |
| F 6 | 1 54 29 | 28°21'49 | 12°38 | 14°R57 | 15°42 | 11°43 | 0°52 | 19°17 | 29°39 | 8°35 | 15°16 | 15°D18 | 16° 7 | 4°38 | n.a. | F 6 |
| S 7 | 1 58 26 | 29°23'09 | 24°26 | 14°46 | 16°44 | 12°28 | 1° 6 | 19°23 | 29°42 | 8°36 | 15°18 | 15°R18 | 16° 4 | 4°45 | n.a. | S 7 |
| S 8 | 2 2 22 | 0♏24'28 | 6♒20 | 14°24 | 17°45 | 13°12 | 1°20 | 19°28 | 29°45 | 8°38 | 15°20 | 15°18 | 16° 1 | 4°52 | n.a. | S 8 |
| M 9 | 2 6 19 | 1°25'48 | 18°28 | 13°50 | 18°46 | 13°56 | 1°34 | 19°34 | 29°48 | 8°40 | 15°23 | 15°17 | 15°57 | 4°58 | n.a. | M 9 |
| T 10 | 2 10 16 | 2°27'08 | 0♓52 | 13° 4 | 19°47 | 14°40 | 1°47 | 19°39 | 29°52 | 8°42 | 15°25 | 15°13 | 15°54 | 5° 5 | n.a. | T 10 |
| W11 | 2 14 12 | 3°28'27 | 13°39 | 12° 7 | 20°47 | 15°25 | 2° 1 | 19°45 | 29°55 | 8°44 | 15°27 | 15° 7 | 15°51 | 5°12 | n.a. | W11 |
| T 12 | 2 18 9 | 4°29'46 | 26°51 | 11° 1 | 21°47 | 16° 9 | 2°15 | 19°51 | 29°58 | 8°46 | 15°29 | 14°59 | 15°48 | 5°18 | n.a. | T 12 |
| F 13 | 2 22 5 | 5°31'05 | 10♈28 | 9°48 | 22°46 | 16°53 | 2°29 | 19°57 | 0♐ 1 | 8°48 | 15°32 | 14°48 | 15°45 | 5°25 | n.a. | F 13 |
| S 14 | 2 26 2 | 6°32'24 | 24°30 | 8°29 | 23°45 | 17°38 | 2°43 | 20° 3 | 0° 5 | 8°50 | 15°34 | 14°36 | 15°42 | 5°32 | n.a. | S 14 |
| S 15 | 2 29 58 | 7°33'43 | 8♉51 | 7° 8 | 24°43 | 18°22 | 2°56 | 20° 9 | 0° 8 | 8°52 | 15°36 | 14°25 | 15°38 | 5°38 | n.a. | S 15 |
| M16 | 2 33 55 | 8°35'02 | 23°27 | 5°47 | 25°41 | 19° 7 | 3°10 | 20°15 | 0°11 | 8°54 | 15°38 | 14°16 | 15°35 | 5°45 | n.a. | M16 |
| T 17 | 2 37 51 | 9°36'21 | 8♊ 8 | 4°28 | 26°38 | 19°51 | 3°24 | 20°21 | 0°15 | 8°56 | 15°40 | 14° 8 | 15°32 | 5°52 | n.a. | T 17 |
| W18 | 2 41 48 | 10°37'40 | 22°48 | 3°14 | 27°35 | 20°36 | 3°38 | 20°27 | 0°18 | 8°58 | 15°43 | 14° 4 | 15°29 | 5°58 | n.a. | W18 |
| T 19 | 2 45 45 | 11°38'59 | 7♋21 | 2° 8 | 28°31 | 21°20 | 3°52 | 20°33 | 0°22 | 9° 0 | 15°45 | 14°D 2 | 15°26 | 6° 5 | n.a. | T 19 |
| F 20 | 2 49 41 | 12°40'18 | 21°43 | 1°10 | 29°27 | 22° 5 | 4° 5 | 20°39 | 0°25 | 9° 2 | 15°47 | 14° 2 | 15°23 | 6°11 | n.a. | F 20 |
| S 21 | 2 53 38 | 13°41'37 | 5♌51 | 0°21 | 0♑21 | 22°50 | 4°19 | 20°46 | 0°28 | 9° 4 | 15°49 | 14° 3 | 15°19 | 6°18 | n.a. | S 21 |
| S 22 | 2 57 34 | 14°42'55 | 19°44 | 29♎43 | 1°16 | 23°34 | 4°33 | 20°52 | 0°32 | 9° 6 | 15°51 | 14°R 3 | 15°16 | 6°25 | n.a. | S 22 |
| M23 | 3 1 31 | 15°44'14 | 3♍23 | 29°14 | 2° 9 | 24°19 | 4°47 | 20°58 | 0°35 | 9° 8 | 15°53 | 14° 1 | 15°13 | 6°31 | n.a. | M23 |
| T 24 | 3 5 27 | 16°45'33 | 16°49 | 28°56 | 3° 2 | 25° 4 | 5° 0 | 21° 5 | 0°39 | 9°11 | 15°56 | 13°57 | 15°10 | 6°38 | n.a. | T 24 |
| W25 | 3 9 24 | 17°46'51 | 0♎ 2 | 28°D47 | 3°54 | 25°49 | 5°14 | 21°11 | 0°42 | 9°13 | 15°58 | 13°51 | 15° 7 | 6°45 | n.a. | W25 |
| T 26 | 3 13 21 | 18°48'09 | 13° 3 | 28°47 | 4°46 | 26°34 | 5°28 | 21°18 | 0°46 | 9°15 | 16° 0 | 13°42 | 15° 3 | 6°51 | n.a. | T 26 |
| F 27 | 3 17 17 | 19°49'27 | 25°53 | 28°56 | 5°36 | 27°19 | 5°41 | 21°24 | 0°49 | 9°17 | 16° 2 | 13°32 | 15° 0 | 6°58 | n.a. | F 27 |
| S 28 | 3 21 14 | 20°50'44 | 8♏30 | 29°13 | 6°26 | 28° 4 | 5°55 | 21°31 | 0°53 | 9°19 | 16° 4 | 13°22 | 14°57 | 7° 5 | n.a. | S 28 |
| S 29 | 3 25 10 | 21°52'01 | 20°55 | 29°36 | 7°15 | 28°49 | 6° 9 | 21°38 | 0°56 | 9°21 | 16° 6 | 13°12 | 14°54 | 7°11 | n.a. | S 29 |
| M30 | 3 29 7 | 22♏53'17 | 3♐ 9 | 0♏ 6 | 8♑ 3 | 29♎34 | 6♏22 | 21♐44 | 1♐ 0 | 9♐24 | 16♎ 8 | 13♑ 3 | 14♑51 | 7♑18 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s13 | 20s 7 | 4s29 | 17s56 | 1s52 | 25s29 | 3s 3 | 2s53 | 0n25 | 11s 0 | 0n38 | 23s39 | 0s12 | 20s31 | 0s 5 | 21s29 | 0n40 | 4n34 | 11n33 | 22s58 | 22s54 | 24s57 | | n.a. |
| M 2 | 9 36 | 23 7 | 3 54 | 17 59 | 1 43 | 25 38 | 3 2 | 3 11 | 0 24 | 11 5 | 0 38 | 23 39 | 0 12 | 20 31 | 0 5 | 21 30 | 0 40 | 4 34 | 11 33 | 22 59 | 22 54 | 24 56 | | n.a. |
| T 3 | 9 59 | 25 0 | 3 8 | 17 58 | 1 33 | 25 46 | 3 2 | 3 29 | 0 24 | 11 10 | 0 38 | 23 40 | 0 12 | 20 32 | 0 5 | 21 30 | 0 40 | 4 33 | 11 33 | 23 0 | 22 54 | 24 55 | | n.a. |
| W 4 | 10 21 | 25 41 | 2 15 | 17 53 | 1 22 | 25 53 | 3 1 | 3 47 | 0 23 | 11 15 | 0 38 | 23 40 | 0 12 | 20 33 | 0 5 | 21 30 | 0 40 | 4 32 | 11 33 | 23 1 | 22 55 | 24 54 | | n.a. |
| T 5 | 10 44 | 25 11 | 1 16 | 17 44 | 1 9 | 26 0 | 3 0 | 4 5 | 0 22 | 11 20 | 0 38 | 23 41 | 0 12 | 20 34 | 0 5 | 21 30 | 0 40 | 4 31 | 11 33 | 23 1 | 22 55 | 24 53 | | n.a. |
| F 6 | 11 6 | 23 33 | 0 14 | 17 30 | 0 54 | 26 6 | 2 59 | 4 24 | 0 22 | 11 25 | 0 38 | 23 41 | 0 12 | 20 34 | 0 6 | 21 31 | 0 40 | 4 30 | 11 33 | 23 1 | 22 56 | 24 52 | | n.a. |
| S 7 | 11 29 | 20 52 | 0n48 | 17 12 | 0 38 | 26 11 | 2 57 | 4 42 | 0 21 | 11 30 | 0 38 | 23 42 | 0 13 | 20 35 | 0 6 | 21 31 | 0 40 | 4 29 | 11 33 | 23 1 | 22 56 | 24 51 | | n.a. |
| S 8 | 11 51 | 17 18 | 1 49 | 16 49 | 0 21 | 26 16 | 2 56 | 5 0 | 0 21 | 11 35 | 0 38 | 23 42 | 0 13 | 20 36 | 0 6 | 21 31 | 0 40 | 4 28 | 11 33 | 23 1 | 22 56 | 24 50 | | n.a. |
| M 9 | 12 12 | 12 58 | 2 47 | 16 21 | 0 2 | 26 19 | 2 54 | 5 18 | 0 20 | 11 40 | 0 38 | 23 43 | 0 13 | 20 36 | 0 6 | 21 32 | 0 40 | 4 27 | 11 33 | 23 2 | 22 57 | 24 48 | | n.a. |
| T 10 | 12 34 | 8 0 | 3 37 | 15 48 | 0n17 | 26 23 | 2 52 | 5 36 | 0 19 | 11 45 | 0 37 | 23 43 | 0 13 | 20 37 | 0 6 | 21 32 | 0 40 | 4 26 | 11 33 | 23 2 | 22 57 | 24 47 | | n.a. |
| W11 | 12 55 | 2 35 | 4 19 | 15 11 | 0 37 | 26 25 | 2 50 | 5 54 | 0 19 | 11 50 | 0 37 | 23 44 | 0 13 | 20 38 | 0 6 | 21 32 | 0 40 | 4 26 | 11 33 | 23 3 | 22 57 | 24 46 | | n.a. |
| T 12 | 13 17 | 3n 6 | 4 48 | 14 31 | 0 58 | 26 27 | 2 48 | 6 12 | 0 18 | 11 55 | 0 37 | 23 44 | 0 13 | 20 38 | 0 6 | 21 33 | 0 40 | 4 25 | 11 33 | 23 4 | 22 58 | 24 45 | | n.a. |
| F 13 | 13 37 | 8 50 | 5 2 | 13 49 | 1 18 | 26 28 | 2 45 | 6 30 | 0 17 | 12 0 | 0 37 | 23 45 | 0 13 | 20 39 | 0 6 | 21 33 | 0 40 | 4 24 | 11 33 | 23 5 | 22 58 | 24 44 | | n.a. |
| S 14 | 13 58 | 14 17 | 4 58 | 13 5 | 1 37 | 26 29 | 2 43 | 6 48 | 0 17 | 12 5 | 0 37 | 23 45 | 0 13 | 20 40 | 0 6 | 21 33 | 0 40 | 4 23 | 11 33 | 23 6 | 22 59 | 24 43 | | n.a. |
| S 15 | 14 19 | 19 5 | 4 36 | 12 21 | 1 56 | 26 29 | 2 40 | 7 6 | 0 16 | 12 10 | 0 37 | 23 46 | 0 13 | 20 41 | 0 6 | 21 34 | 0 40 | 4 22 | 11 33 | 23 7 | 22 59 | 24 42 | | n.a. |
| M16 | 14 39 | 22 48 | 3 55 | 11 38 | 2 12 | 26 28 | 2 37 | 7 23 | 0 15 | 12 15 | 0 37 | 23 46 | 0 13 | 20 41 | 0 6 | 21 34 | 0 40 | 4 22 | 11 33 | 23 8 | 22 59 | 24 40 | | n.a. |
| T 17 | 14 59 | 25 3 | 2 59 | 10 58 | 2 27 | 26 27 | 2 34 | 7 41 | 0 15 | 12 19 | 0 37 | 23 47 | 0 13 | 20 42 | 0 6 | 21 34 | 0 40 | 4 21 | 11 33 | 23 9 | 23 0 | 24 39 | | n.a. |
| W18 | 15 18 | 25 34 | 1 51 | 10 21 | 2 40 | 26 24 | 2 31 | 7 59 | 0 14 | 12 24 | 0 37 | 23 47 | 0 13 | 20 43 | 0 6 | 21 35 | 0 40 | 4 20 | 11 33 | 23 10 | 23 0 | 24 38 | | n.a. |
| T 19 | 15 38 | 24 18 | 0 36 | 9 48 | 2 50 | 26 22 | 2 27 | 8 17 | 0 13 | 12 29 | 0 37 | 23 48 | 0 13 | 20 44 | 0 6 | 21 35 | 0 40 | 4 19 | 11 33 | 23 10 | 23 0 | 24 37 | | n.a. |
| F 20 | 15 57 | 21 27 | 0s41 | 9 20 | 2 58 | 26 18 | 2 23 | 8 34 | 0 13 | 12 34 | 0 37 | 23 48 | 0 13 | 20 44 | 0 6 | 21 36 | 0 40 | 4 18 | 11 34 | 23 10 | 23 1 | 24 36 | | n.a. |
| S 21 | 16 16 | 17 21 | 1 54 | 8 58 | 3 4 | 26 14 | 2 19 | 8 52 | 0 12 | 12 39 | 0 36 | 23 49 | 0 13 | 20 45 | 0 6 | 21 36 | 0 40 | 4 18 | 11 34 | 23 10 | 23 1 | 24 34 | | n.a. |
| S 22 | 16 35 | 12 22 | 2 59 | 8 41 | 3 7 | 26 10 | 2 15 | 9 9 | 0 11 | 12 43 | 0 36 | 23 49 | 0 14 | 20 46 | 0 6 | 21 36 | 0 40 | 4 17 | 11 34 | 23 10 | 23 2 | 24 33 | | n.a. |
| M23 | 16 53 | 6 52 | 3 52 | 8 29 | 3 9 | 26 5 | 2 11 | 9 27 | 0 11 | 12 48 | 0 36 | 23 50 | 0 14 | 20 46 | 0 6 | 21 37 | 0 40 | 4 16 | 11 34 | 23 10 | 23 2 | 24 32 | | n.a. |
| T 24 | 17 11 | 1 8 | 4 32 | 8 22 | 3 9 | 25 59 | 2 6 | 9 44 | 0 10 | 12 53 | 0 36 | 23 50 | 0 14 | 20 47 | 0 6 | 21 37 | 0 40 | 4 16 | 11 34 | 23 10 | 23 2 | 24 31 | | n.a. |
| W25 | 17 28 | 4s32 | 4 57 | 8 20 | 3 8 | 25 53 | 2 1 | 10 1 | 0 9 | 12 58 | 0 36 | 23 51 | 0 14 | 20 48 | 0 6 | 21 37 | 0 40 | 4 15 | 11 34 | 23 11 | 23 3 | 24 30 | | n.a. |
| T 26 | 17 46 | 9 55 | 5 5 | 8 23 | 3 5 | 25 46 | 1 56 | 10 19 | 0 9 | 13 2 | 0 36 | 23 51 | 0 14 | 20 49 | 0 6 | 21 38 | 0 40 | 4 14 | 11 34 | 23 12 | 23 3 | 24 28 | | n.a. |
| F 27 | 18 3 | 14 48 | 4 58 | 8 30 | 3 1 | 25 38 | 1 50 | 10 36 | 0 8 | 13 7 | 0 36 | 23 52 | 0 14 | 20 49 | 0 6 | 21 38 | 0 40 | 4 13 | 11 34 | 23 13 | 23 3 | 24 27 | | n.a. |
| S 28 | 18 20 | 18 58 | 4 37 | 8 40 | 2 56 | 25 30 | 1 45 | 10 53 | 0 7 | 13 12 | 0 36 | 23 52 | 0 14 | 20 50 | 0 6 | 21 38 | 0 40 | 4 13 | 11 34 | 23 14 | 23 4 | 24 26 | | n.a. |
| S 29 | 18 36 | 22 14 | 4 3 | 8 54 | 2 51 | 25 22 | 1 39 | 11 10 | 0 7 | 13 16 | 0 36 | 23 53 | 0 14 | 20 51 | 0 6 | 21 39 | 0 40 | 4 12 | 11 35 | 23 15 | 23 4 | 24 25 | | n.a. |
| M30 | 18s52 | 24s26 | 3s17 | 9s10 | 2n44 | 25s13 | 1s33 | 11s27 | 0n 6 | 13s21 | 0n36 | 23s53 | 0s14 | 20s52 | 0s 6 | 21s39 | 0n40 | 4n12 | 11n35 | 23s16 | 23s 4 | 24s23 | | n.a. |

Julian Day Number = 1007298.5, Delta T = 12h44m08s
Ecliptic obliquity = 23°55'14, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'50, Lahiri = -30°54'49 Julian Calendar 1 Nov. 1956 BCE == Greg. Calendar 15 Oct. 1956 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1956 BCE
# geocentric

## DECEMBER 1956 BCE (-1955) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 33 3 | 23♏54'33 | 15♐13 | 0♏42 | 8♑51 | 0♏19 | 6♏36 | 21♐51 | 1♐ 3 | 9♐26 | 16♎10 | 12°R57 | 14♑48 | 7♑25 | n.a. | T 1 |
| W 2 | 3 37 0 | 24°55'48 | 27° 8 | 1°23 | 9°37 | 1° 4 | 6°49 | 21°58 | 1° 7 | 9°28 | 16°12 | 12♑53 | 14°44 | 7°31 | n.a. | W 2 |
| T 3 | 3 40 56 | 25°57'01 | 8♑57 | 2° 9 | 10°22 | 1°49 | 7° 3 | 22° 5 | 1°10 | 9°30 | 16°14 | 12°D52 | 14°41 | 7°38 | n.a. | T 3 |
| F 4 | 3 44 53 | 26°58'14 | 20°43 | 2°59 | 11° 6 | 2°34 | 7°16 | 22°11 | 1°14 | 9°33 | 16°16 | 12°52 | 14°38 | 7°45 | n.a. | F 4 |
| S 5 | 3 48 50 | 27°59'26 | 2♒30 | 3°53 | 11°49 | 3°20 | 7°30 | 22°18 | 1°17 | 9°35 | 16°18 | 12°53 | 14°35 | 7°51 | n.a. | S 5 |
| S 6 | 3 52 46 | 29° 0'36 | 14°23 | 4°50 | 12°31 | 4° 5 | 7°43 | 22°25 | 1°21 | 9°37 | 16°19 | 12°55 | 14°32 | 7°58 | n.a. | S 6 |
| M 7 | 3 56 43 | 0♐ 1'45 | 26°28 | 5°50 | 13°12 | 4°50 | 7°56 | 22°32 | 1°24 | 9°39 | 16°21 | 12°R56 | 14°28 | 8° 4 | n.a. | M 7 |
| T 8 | 4 0 39 | 1° 2'53 | 8♓49 | 6°53 | 13°52 | 5°35 | 8°10 | 22°39 | 1°28 | 9°42 | 16°23 | 12°56 | 14°25 | 8°11 | n.a. | T 8 |
| W 9 | 4 4 36 | 2° 4'00 | 21°32 | 7°59 | 14°30 | 6°21 | 8°23 | 22°46 | 1°31 | 9°44 | 16°25 | 12°54 | 14°22 | 8°18 | n.a. | W 9 |
| T 10 | 4 8 32 | 3° 5'05 | 4♈40 | 9° 7 | 15° 7 | 7° 6 | 8°36 | 22°53 | 1°35 | 9°46 | 16°27 | 12°50 | 14°19 | 8°24 | n.a. | T 10 |
| F 11 | 4 12 29 | 4° 6'09 | 18°16 | 10°17 | 15°42 | 7°51 | 8°49 | 23° 0 | 1°38 | 9°48 | 16°28 | 12°45 | 14°16 | 8°31 | n.a. | F 11 |
| S 12 | 4 16 26 | 5° 7'12 | 2♉20 | 11°29 | 16°17 | 8°37 | 9° 3 | 23° 7 | 1°42 | 9°51 | 16°30 | 12°39 | 14°13 | 8°38 | n.a. | S 12 |
| S 13 | 4 20 22 | 6° 8'14 | 16°50 | 12°43 | 16°49 | 9°22 | 9°16 | 23°14 | 1°45 | 9°53 | 16°32 | 12°33 | 14° 9 | 8°44 | n.a. | S 13 |
| M14 | 4 24 19 | 7° 9'14 | 1♊39 | 13°58 | 17°20 | 10° 8 | 9°29 | 23°21 | 1°49 | 9°55 | 16°34 | 12°27 | 14° 6 | 8°51 | n.a. | M14 |
| T 15 | 4 28 15 | 8°10'13 | 16°40 | 15°15 | 17°50 | 10°53 | 9°42 | 23°28 | 1°53 | 9°57 | 16°35 | 12°24 | 14° 3 | 8°58 | n.a. | T 15 |
| W16 | 4 32 12 | 9°11'11 | 1♋45 | 16°33 | 18°18 | 11°39 | 9°55 | 23°36 | 1°56 | 10° 0 | 16°37 | 12°22 | 14° 0 | 9° 4 | n.a. | W16 |
| T 17 | 4 36 8 | 10°12'08 | 16°43 | 17°52 | 18°44 | 12°25 | 10° 8 | 23°43 | 2° 0 | 10° 2 | 16°38 | 12°D21 | 13°57 | 9°11 | n.a. | T 17 |
| F 18 | 4 40 5 | 11°13'03 | 1♌27 | 19°13 | 19° 8 | 13°10 | 10°20 | 23°50 | 2° 3 | 10° 4 | 16°40 | 12°22 | 13°54 | 9°18 | n.a. | F 18 |
| S 19 | 4 44 2 | 12°13'57 | 15°53 | 20°35 | 19°30 | 13°56 | 10°33 | 23°57 | 2° 7 | 10° 7 | 16°42 | 12°24 | 13°50 | 9°24 | n.a. | S 19 |
| S 20 | 4 47 58 | 13°14'51 | 29°58 | 21°58 | 19°51 | 14°41 | 10°46 | 24° 4 | 2°10 | 10° 9 | 16°43 | 12°25 | 13°47 | 9°31 | n.a. | S 20 |
| M21 | 4 51 55 | 14°15'43 | 13♍41 | 23°22 | 20° 9 | 15°27 | 10°59 | 24°12 | 2°14 | 10°11 | 16°45 | 12°R26 | 13°44 | 9°38 | n.a. | M21 |
| T 22 | 4 55 51 | 15°16'34 | 27° 3 | 24°47 | 20°25 | 16°13 | 11°11 | 24°19 | 2°17 | 10°13 | 16°46 | 12°25 | 13°41 | 9°44 | n.a. | T 22 |
| W23 | 4 59 48 | 16°17'23 | 10♎ 6 | 26°13 | 20°40 | 16°59 | 11°24 | 24°26 | 2°20 | 10°16 | 16°48 | 12°23 | 13°38 | 9°51 | n.a. | W23 |
| T 24 | 5 3 44 | 17°18'12 | 22°53 | 27°40 | 20°52 | 17°44 | 11°37 | 24°33 | 2°24 | 10°18 | 16°49 | 12°20 | 13°34 | 9°57 | n.a. | T 24 |
| F 25 | 5 7 41 | 18°18'59 | 5♏25 | 29° 8 | 21° 2 | 18°30 | 11°49 | 24°41 | 2°27 | 10°20 | 16°50 | 12°16 | 13°31 | 10° 4 | n.a. | F 25 |
| S 26 | 5 11 37 | 19°19'45 | 17°45 | 0♐37 | 21° 9 | 19°16 | 12° 1 | 24°48 | 2°31 | 10°22 | 16°52 | 12°12 | 13°28 | 10°11 | n.a. | S 26 |
| S 27 | 5 15 34 | 20°20'29 | 29°55 | 2° 6 | 21°14 | 20° 2 | 12°14 | 24°55 | 2°34 | 10°25 | 16°53 | 12° 9 | 13°25 | 10°17 | n.a. | S 27 |
| M28 | 5 19 31 | 21°21'12 | 11♐56 | 3°37 | 21°17 | 20°48 | 12°26 | 25° 2 | 2°38 | 10°27 | 16°54 | 12° 5 | 13°22 | 10°24 | n.a. | M28 |
| T 29 | 5 23 27 | 22°21'54 | 23°51 | 5° 8 | 21°R18 | 21°34 | 12°38 | 25°10 | 2°41 | 10°29 | 16°56 | 12° 3 | 13°19 | 10°31 | n.a. | T 29 |
| W30 | 5 27 24 | 23°22'33 | 5♑40 | 6°41 | 21°16 | 22°20 | 12°50 | 25°17 | 2°44 | 10°31 | 16°57 | 12° 2 | 13°15 | 10°37 | n.a. | W30 |
| T 31 | 5 31 20 | 24♐23'11 | 17♑27 | 8♐14 | 21♑11 | 23♏ 6 | 13♏ 2 | 25♐24 | 2♐48 | 10♐34 | 16♎58 | 12°D 2 | 13♑12 | 10♑44 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 19s 8 | 25s28 | 2s24 | 9s29 | 2n38 | 25s 3 | 1s27 | 11s44 | 0n 5 | 13s26 | 0n36 | 23s54 | 0s14 | 20s52 | 0s 6 | 21s39 | 0n40 | 4n11 | 11n35 | 23s17 | 23s 5 | 24s22 | | | n.a. |
| W 2 | 19 23 | 25 17 | 1 24 | 9 51 | 2 30 | 24 54 | 1 20 | 12 0 | 0 5 | 13 30 | 0 36 | 23 54 | 0 14 | 20 53 | 0 6 | 21 40 | 0 40 | 4 10 | 11 35 | 23 17 | 23 5 | 24 21 | | | n.a. |
| T 3 | 19 38 | 23 58 | 0 21 | 10 14 | 2 23 | 24 43 | 1 13 | 12 17 | 0 4 | 13 35 | 0 36 | 23 55 | 0 14 | 20 54 | 0 6 | 21 40 | 0 40 | 4 10 | 11 35 | 23 17 | 23 6 | 24 20 | | | n.a. |
| F 4 | 19 52 | 21 35 | 0n42 | 10 39 | 2 15 | 24 32 | 1 6 | 12 34 | 0 3 | 13 39 | 0 35 | 23 55 | 0 14 | 20 55 | 0 6 | 21 40 | 0 40 | 4 9 | 11 35 | 23 17 | 23 6 | 24 18 | | | n.a. |
| S 5 | 20 7 | 18 18 | 1 45 | 11 5 | 2 7 | 24 21 | 0 59 | 12 50 | 0 2 | 13 44 | 0 35 | 23 56 | 0 14 | 20 55 | 0 6 | 21 41 | 0 40 | 4 9 | 11 35 | 23 17 | 23 6 | 24 17 | | | n.a. |
| S 6 | 20 20 | 14 15 | 2 43 | 11 32 | 1 58 | 24 10 | 0 51 | 13 6 | 0 2 | 13 48 | 0 35 | 23 56 | 0 15 | 20 56 | 0 6 | 21 41 | 0 40 | 4 8 | 11 36 | 23 17 | 23 7 | 24 16 | | | n.a. |
| M 7 | 20 34 | 9 35 | 3 35 | 12 0 | 1 50 | 23 58 | 0 43 | 13 23 | 0 1 | 13 53 | 0 35 | 23 57 | 0 15 | 20 57 | 0 6 | 21 42 | 0 40 | 4 7 | 11 36 | 23 17 | 23 7 | 24 15 | | | n.a. |
| T 8 | 20 47 | 4 27 | 4 18 | 12 30 | 1 41 | 23 45 | 0 35 | 13 39 | 0 0 | 13 57 | 0 35 | 23 57 | 0 15 | 20 58 | 0 6 | 21 42 | 0 40 | 4 7 | 11 36 | 23 17 | 23 7 | 24 13 | | | n.a. |
| W 9 | 20 59 | 1n 0 | 4 50 | 12 59 | 1 33 | 23 33 | 0 26 | 13 55 | 0s 0 | 14 2 | 0 35 | 23 58 | 0 15 | 20 58 | 0 6 | 21 42 | 0 40 | 4 6 | 11 36 | 23 17 | 23 8 | 24 12 | | | n.a. |
| T 10 | 21 12 | 6 35 | 5 8 | 13 30 | 1 24 | 23 20 | 0 17 | 14 11 | 0 1 | 14 6 | 0 35 | 23 58 | 0 15 | 20 59 | 0 6 | 21 43 | 0 40 | 4 6 | 11 36 | 23 17 | 23 8 | 24 11 | | | n.a. |
| F 11 | 21 23 | 12 3 | 5 10 | 14 0 | 1 16 | 23 7 | 0 8 | 14 26 | 0 2 | 14 10 | 0 35 | 23 59 | 0 15 | 21 0 | 0 6 | 21 43 | 0 40 | 4 5 | 11 37 | 23 18 | 23 8 | 24 9 | | | n.a. |
| S 12 | 21 35 | 17 5 | 4 53 | 14 31 | 1 7 | 22 53 | 0n 1 | 14 42 | 0 3 | 14 15 | 0 35 | 23 59 | 0 15 | 21 1 | 0 6 | 21 43 | 0 39 | 4 5 | 11 37 | 23 18 | 23 9 | 24 8 | | | n.a. |
| S 13 | 21 46 | 21 18 | 4 17 | 15 2 | 0 58 | 22 40 | 0 11 | 14 57 | 0 3 | 14 19 | 0 35 | 24 0 | 0 15 | 21 1 | 0 6 | 21 44 | 0 39 | 4 5 | 11 37 | 23 19 | 23 9 | 24 7 | | | n.a. |
| M14 | 21 56 | 24 14 | 3 24 | 15 33 | 0 50 | 22 26 | 0 21 | 15 13 | 0 4 | 14 23 | 0 35 | 24 0 | 0 15 | 21 2 | 0 6 | 21 44 | 0 39 | 4 4 | 11 37 | 23 19 | 23 9 | 24 5 | | | n.a. |
| T 15 | 22 7 | 25 29 | 2 16 | 16 4 | 0 41 | 22 12 | 0 31 | 15 28 | 0 5 | 14 28 | 0 35 | 24 0 | 0 15 | 21 3 | 0 6 | 21 44 | 0 39 | 4 4 | 11 37 | 23 20 | 23 10 | 24 4 | | | n.a. |
| W16 | 22 16 | 24 52 | 0 58 | 16 35 | 0 33 | 21 57 | 0 42 | 15 43 | 0 6 | 14 32 | 0 35 | 24 1 | 0 15 | 21 4 | 0 6 | 21 45 | 0 39 | 4 3 | 11 38 | 23 20 | 23 10 | 24 3 | | | n.a. |
| T 17 | 22 26 | 22 27 | 0s24 | 17 6 | 0 25 | 21 43 | 0 52 | 15 58 | 0 6 | 14 36 | 0 35 | 24 1 | 0 15 | 21 4 | 0 6 | 21 45 | 0 39 | 4 3 | 11 38 | 23 20 | 23 10 | 24 1 | | | n.a. |
| F 18 | 22 34 | 18 34 | 1 43 | 17 37 | 0 17 | 21 29 | 1 4 | 16 13 | 0 7 | 14 40 | 0 35 | 24 2 | 0 15 | 21 5 | 0 6 | 21 45 | 0 39 | 4 2 | 11 38 | 23 20 | 23 11 | 24 0 | | | n.a. |
| S 19 | 22 43 | 13 38 | 2 54 | 18 7 | 0 9 | 21 14 | 1 15 | 16 28 | 0 8 | 14 44 | 0 34 | 24 2 | 0 15 | 21 6 | 0 6 | 21 46 | 0 39 | 4 2 | 11 38 | 23 20 | 23 11 | 23 59 | | | n.a. |
| S 20 | 22 51 | 8 6 | 3 52 | 18 36 | 0 1 | 20 59 | 1 27 | 16 42 | 0 9 | 14 49 | 0 34 | 24 3 | 0 16 | 21 6 | 0 6 | 21 46 | 0 39 | 4 2 | 11 39 | 23 20 | 23 11 | 23 57 | | | n.a. |
| M21 | 22 58 | 2 19 | 4 36 | 19 6 | 0s 7 | 20 45 | 1 39 | 16 57 | 0 9 | 14 53 | 0 34 | 24 3 | 0 16 | 21 7 | 0 6 | 21 46 | 0 39 | 4 1 | 11 39 | 23 20 | 23 12 | 23 56 | | | n.a. |
| T 22 | 23 5 | 3s25 | 5 3 | 19 34 | 0 14 | 20 30 | 1 51 | 17 11 | 0 10 | 14 57 | 0 34 | 24 3 | 0 16 | 21 8 | 0 6 | 21 47 | 0 39 | 4 1 | 11 39 | 23 20 | 23 12 | 23 55 | | | n.a. |
| W23 | 23 12 | 8 52 | 5 14 | 20 2 | 0 21 | 20 16 | 2 4 | 17 25 | 0 11 | 15 1 | 0 34 | 24 4 | 0 16 | 21 9 | 0 6 | 21 47 | 0 39 | 4 1 | 11 39 | 23 20 | 23 12 | 23 53 | | | n.a. |
| T 24 | 23 18 | 13 50 | 5 9 | 20 30 | 0 28 | 20 1 | 2 17 | 17 39 | 0 12 | 15 5 | 0 34 | 24 4 | 0 16 | 21 9 | 0 6 | 21 48 | 0 39 | 4 0 | 11 40 | 23 20 | 23 13 | 23 52 | | | n.a. |
| F 25 | 23 24 | 18 7 | 4 49 | 20 57 | 0 35 | 19 47 | 2 30 | 17 53 | 0 12 | 15 9 | 0 34 | 24 4 | 0 16 | 21 10 | 0 6 | 21 48 | 0 39 | 4 0 | 11 40 | 23 20 | 23 13 | 23 50 | | | n.a. |
| S 26 | 23 29 | 21 33 | 4 16 | 21 23 | 0 42 | 19 32 | 2 43 | 18 6 | 0 13 | 15 13 | 0 34 | 24 5 | 0 16 | 21 11 | 0 6 | 21 48 | 0 39 | 4 0 | 11 40 | 23 21 | 23 13 | 23 49 | | | n.a. |
| S 27 | 23 34 | 23 59 | 3 32 | 21 48 | 0 49 | 19 18 | 2 57 | 18 20 | 0 14 | 15 16 | 0 34 | 24 5 | 0 16 | 21 11 | 0 6 | 21 49 | 0 39 | 4 0 | 11 40 | 23 21 | 23 14 | 23 48 | | | n.a. |
| M28 | 23 38 | 25 18 | 2 39 | 22 12 | 0 55 | 19 4 | 3 10 | 18 33 | 0 15 | 15 20 | 0 34 | 24 6 | 0 16 | 21 12 | 0 6 | 21 49 | 0 39 | 3 59 | 11 41 | 23 21 | 23 14 | 23 46 | | | n.a. |
| T 29 | 23 42 | 25 25 | 1 39 | 22 35 | 1 1 | 18 50 | 3 24 | 18 46 | 0 15 | 15 24 | 0 34 | 24 6 | 0 16 | 21 13 | 0 6 | 21 49 | 0 39 | 3 59 | 11 41 | 23 22 | 23 14 | 23 45 | | | n.a. |
| W30 | 23 45 | 24 23 | 0 35 | 22 58 | 1 7 | 18 37 | 3 38 | 18 59 | 0 16 | 15 28 | 0 34 | 24 6 | 0 16 | 21 13 | 0 6 | 21 50 | 0 39 | 3 59 | 11 41 | 23 22 | 23 15 | 23 43 | | | n.a. |
| T 31 | 23s48 | 22s16 | 0n30 | 23s19 | 1s13 | 18s23 | 3n52 | 19s11 | 0s17 | 15s32 | 0n34 | 24s 7 | 0s16 | 21s14 | 0s 6 | 21s50 | 0n39 | 3n59 | 11n41 | 23s22 | 23s15 | 23s42 | | | n.a. |

Julian Day Number = 1007328.5, Delta T = 12h44m06s
Ecliptic obliquity = 23°55'13, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'46, Lahiri = -30°54'45 Julian Calendar 1 Dec. 1956 BCE == Greg. Calendar 14 Nov. 1956 BCE

The year -1955 astronomical counting style corresponds to year 1956 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## JANUARY 1955 BCE (-1954) JC — 00:00 UT

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

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23 s50 | 19 s11 | 1n34 | 23 s39 | 1 s18 | 18 s10 | 4n 7 | 19 s24 | 0 s18 | 15 s35 | 0n34 | 24 s 7 | 0 s16 | 21 s15 | 0 s 6 | 21 s50 | 0n39 | 3n58 | 11n42 | 23 s22 | 23 s15 | 23 s40 | | n.a. |
| S 2 | 23 52 | 15 20 | 2 34 | 23 58 | 1 23 | 17 58 | 4 21 | 19 36 | 0 19 | 15 39 | 0 34 | 24 7 | 0 17 | 21 15 | 0 6 | 21 51 | 0 39 | 3 58 | 11 42 | 23 22 | 23 16 | 23 39 | | n.a. |
| S 3 | 23 54 | 10 51 | 3 28 | 24 16 | 1 28 | 17 45 | 4 35 | 19 48 | 0 19 | 15 43 | 0 34 | 24 8 | 0 17 | 21 16 | 0 6 | 21 51 | 0 39 | 3 58 | 11 42 | 23 21 | 23 16 | 23 38 | | n.a. |
| M 4 | 23 55 | 5 55 | 4 14 | 24 32 | 1 32 | 17 33 | 4 50 | 20 0 | 0 20 | 15 46 | 0 34 | 24 8 | 0 17 | 21 17 | 0 6 | 21 51 | 0 39 | 3 58 | 11 43 | 23 21 | 23 16 | 23 36 | | n.a. |
| T 5 | 23 55 | 0 39 | 4 49 | 24 47 | 1 37 | 17 22 | 5 4 | 20 12 | 0 21 | 15 50 | 0 34 | 24 8 | 0 17 | 21 17 | 0 6 | 21 52 | 0 39 | 3 58 | 11 43 | 23 21 | 23 17 | 23 35 | | n.a. |
| W 6 | 23 55 | 4n45 | 5 11 | 25 1 | 1 40 | 17 11 | 5 18 | 20 24 | 0 22 | 15 54 | 0 34 | 24 9 | 0 17 | 21 18 | 0 6 | 21 52 | 0 39 | 3 58 | 11 43 | 23 21 | 23 17 | 23 33 | | n.a. |
| T 7 | 23 55 | 10 7 | 5 18 | 25 13 | 1 44 | 17 0 | 5 32 | 20 35 | 0 22 | 15 57 | 0 34 | 24 9 | 0 17 | 21 19 | 0 6 | 21 52 | 0 39 | 3 58 | 11 43 | 23 21 | 23 17 | 23 32 | | n.a. |
| F 8 | 23 54 | 15 11 | 5 8 | 25 24 | 1 47 | 16 50 | 5 45 | 20 46 | 0 23 | 16 1 | 0 34 | 24 9 | 0 17 | 21 19 | 0 6 | 21 52 | 0 39 | 3 57 | 11 44 | 23 21 | 23 18 | 23 30 | | n.a. |
| S 9 | 23 52 | 19 39 | 4 40 | 25 33 | 1 50 | 16 41 | 5 58 | 20 57 | 0 24 | 16 4 | 0 34 | 24 9 | 0 17 | 21 20 | 0 6 | 21 53 | 0 39 | 3 57 | 11 44 | 23 21 | 23 18 | 23 29 | | n.a. |
| S 10 | 23 51 | 23 7 | 3 54 | 25 41 | 1 53 | 16 32 | 6 11 | 21 7 | 0 25 | 16 7 | 0 33 | 24 10 | 0 17 | 21 21 | 0 6 | 21 53 | 0 39 | 3 57 | 11 44 | 23 21 | 23 18 | 23 27 | | n.a. |
| M11 | 23 48 | 25 9 | 2 51 | 25 47 | 1 55 | 16 24 | 6 24 | 21 18 | 0 26 | 16 11 | 0 33 | 24 10 | 0 17 | 21 21 | 0 6 | 21 53 | 0 39 | 3 57 | 11 45 | 23 22 | 23 18 | 23 26 | | n.a. |
| T 12 | 23 45 | 25 24 | 1 36 | 25 51 | 1 57 | 16 16 | 6 35 | 21 28 | 0 26 | 16 14 | 0 33 | 24 10 | 0 17 | 21 22 | 0 6 | 21 54 | 0 39 | 3 57 | 11 45 | 23 22 | 23 19 | 23 24 | | n.a. |
| W13 | 23 42 | 23 45 | 0 13 | 25 53 | 1 58 | 16 9 | 6 47 | 21 38 | 0 27 | 16 17 | 0 33 | 24 10 | 0 17 | 21 22 | 0 6 | 21 54 | 0 39 | 3 57 | 11 45 | 23 22 | 23 19 | 23 23 | | n.a. |
| T 14 | 23 39 | 20 23 | 1 s12 | 25 54 | 1 59 | 16 2 | 6 57 | 21 48 | 0 28 | 16 21 | 0 33 | 24 11 | 0 17 | 21 23 | 0 6 | 21 54 | 0 39 | 3 57 | 11 46 | 23 22 | 23 19 | 23 21 | | n.a. |
| F 15 | 23 34 | 15 40 | 2 30 | 25 52 | 1 59 | 15 56 | 7 7 | 21 57 | 0 29 | 16 24 | 0 33 | 24 11 | 0 18 | 21 24 | 0 6 | 21 55 | 0 39 | 3 57 | 11 46 | 23 22 | 23 20 | 23 20 | | n.a. |
| S 16 | 23 30 | 10 7 | 3 36 | 25 48 | 2 0 | 15 51 | 7 17 | 22 7 | 0 29 | 16 27 | 0 33 | 24 11 | 0 18 | 21 24 | 0 6 | 21 55 | 0 39 | 3 57 | 11 46 | 23 22 | 23 20 | 23 18 | | n.a. |
| S 17 | 23 25 | 4 9 | 4 27 | 25 43 | 1 59 | 15 47 | 7 25 | 22 16 | 0 30 | 16 30 | 0 33 | 24 11 | 0 18 | 21 25 | 0 6 | 21 55 | 0 39 | 3 57 | 11 46 | 23 22 | 23 20 | 23 17 | | n.a. |
| M18 | 23 19 | 1 s49 | 5 1 | 25 35 | 1 58 | 15 43 | 7 33 | 22 25 | 0 31 | 16 33 | 0 33 | 24 12 | 0 18 | 21 25 | 0 6 | 21 55 | 0 39 | 3 57 | 11 47 | 23 22 | 23 21 | 23 15 | | n.a. |
| T 19 | 23 13 | 7 31 | 5 17 | 25 25 | 1 57 | 15 40 | 7 39 | 22 33 | 0 32 | 16 36 | 0 33 | 24 12 | 0 18 | 21 26 | 0 6 | 21 56 | 0 39 | 3 57 | 11 47 | 23 22 | 23 21 | 23 14 | | n.a. |
| W20 | 23 7 | 12 42 | 5 15 | 25 13 | 1 55 | 15 38 | 7 45 | 22 42 | 0 33 | 16 39 | 0 33 | 24 12 | 0 18 | 21 27 | 0 6 | 21 56 | 0 39 | 3 57 | 11 47 | 23 22 | 23 21 | 23 12 | | n.a. |
| T 21 | 23 0 | 17 12 | 4 58 | 24 59 | 1 52 | 15 36 | 7 50 | 22 50 | 0 33 | 16 42 | 0 33 | 24 12 | 0 18 | 21 27 | 0 6 | 21 56 | 0 39 | 3 58 | 11 48 | 23 22 | 23 21 | 23 11 | | n.a. |
| F 22 | 22 53 | 20 52 | 4 28 | 24 42 | 1 49 | 15 35 | 7 54 | 22 58 | 0 34 | 16 45 | 0 33 | 24 12 | 0 18 | 21 28 | 0 6 | 21 57 | 0 39 | 3 58 | 11 48 | 23 22 | 23 22 | 23 9 | | n.a. |
| S 23 | 22 45 | 23 32 | 3 46 | 24 23 | 1 45 | 15 35 | 7 57 | 23 5 | 0 35 | 16 48 | 0 33 | 24 13 | 0 18 | 21 28 | 0 6 | 21 57 | 0 39 | 3 58 | 11 48 | 23 21 | 23 22 | 23 8 | | n.a. |
| S 24 | 22 37 | 25 6 | 2 54 | 24 2 | 1 41 | 15 35 | 7 59 | 23 13 | 0 36 | 16 51 | 0 33 | 24 13 | 0 18 | 21 29 | 0 6 | 21 57 | 0 39 | 3 58 | 11 49 | 23 21 | 23 22 | 23 6 | | n.a. |
| M25 | 22 28 | 25 31 | 1 56 | 23 39 | 1 36 | 15 36 | 8 1 | 23 20 | 0 37 | 16 54 | 0 33 | 24 13 | 0 18 | 21 29 | 0 6 | 21 57 | 0 39 | 3 58 | 11 49 | 23 21 | 23 23 | 23 4 | | n.a. |
| T 26 | 22 20 | 24 46 | 0 52 | 23 13 | 1 31 | 15 37 | 8 1 | 23 27 | 0 37 | 16 57 | 0 33 | 24 13 | 0 19 | 21 30 | 0 6 | 21 58 | 0 39 | 3 58 | 11 49 | 23 21 | 23 23 | 23 3 | | n.a. |
| W27 | 22 10 | 22 54 | 0n13 | 22 45 | 1 25 | 15 40 | 8 1 | 23 33 | 0 38 | 17 0 | 0 33 | 24 13 | 0 19 | 21 30 | 0 6 | 21 58 | 0 39 | 3 58 | 11 50 | 23 21 | 23 23 | 23 1 | | n.a. |
| T 28 | 22 0 | 20 3 | 1 18 | 22 14 | 1 18 | 15 42 | 8 0 | 23 40 | 0 39 | 17 2 | 0 33 | 24 14 | 0 19 | 21 31 | 0 6 | 21 58 | 0 39 | 3 59 | 11 50 | 23 21 | 23 23 | 23 0 | | n.a. |
| F 29 | 21 50 | 16 22 | 2 19 | 21 42 | 1 10 | 15 46 | 7 58 | 23 46 | 0 40 | 17 5 | 0 33 | 24 14 | 0 19 | 21 31 | 0 6 | 21 58 | 0 39 | 3 59 | 11 50 | 23 21 | 23 24 | 22 58 | | n.a. |
| S 30 | 21 40 | 12 1 | 3 15 | 21 7 | 1 2 | 15 50 | 7 55 | 23 51 | 0 40 | 17 8 | 0 33 | 24 14 | 0 19 | 21 32 | 0 6 | 21 59 | 0 39 | 3 59 | 11 51 | 23 22 | 23 24 | 22 57 | | n.a. |
| S 31 | 21 s29 | 7 s11 | 4n 3 | 20 s31 | 0 s54 | 15 s54 | 7n52 | 23 s57 | 0 s41 | 17 s10 | 0n33 | 24 s14 | 0 s19 | 21 s32 | 0 s 6 | 21 s59 | 0n39 | 3n59 | 11n51 | 23 s22 | 23 s24 | 22 s55 | | n.a. |

Julian Day Number = 1007359.5, Delta T = 12h44m04s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'42, Lahiri = -30°54'41 Julian Calendar 1 Jan. 1955 BCE == Greg. Calendar 15 Dec. 1956 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## FEBRUARY 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 37 30 | 26♉25'37 | 14♓17 | 5♒57 | 6°R14 | 17♐44 | 18♏42 | 29♐13 | 4♐23 | 11♐39 | 17♎19 | 12°R 0 | 11♉31 | 14♉17 | n.a. | M 1 |
| T 2 | 7 41 26 | 27°25'07 | 26°42 | 7°54 | 5♉57 | 18°30 | 18°51 | 29°20 | 4°25 | 11°40 | 17°19 | 11♉58 | 11°27 | 14°23 | n.a. | T 2 |
| W 3 | 7 45 23 | 28°24'35 | 9♈23 | 9°50 | 5°43 | 19°17 | 19° 0 | 29°26 | 4°28 | 11°42 | 17°19 | 11°57 | 11°24 | 14°30 | n.a. | W 3 |
| T 4 | 7 49 20 | 29°24'00 | 22°22 | 11°44 | 5°31 | 20° 3 | 19° 8 | 29°33 | 4°30 | 11°44 | 17°R20 | 11°56 | 11°21 | 14°37 | n.a. | T 4 |
| F 5 | 7 53 16 | 0♒23'23 | 5♉41 | 13°37 | 5°21 | 20°49 | 19°17 | 29°40 | 4°32 | 11°45 | 17°20 | 11°D56 | 11°18 | 14°43 | n.a. | F 5 |
| S 6 | 7 57 13 | 1°22'44 | 19°24 | 15°27 | 5°14 | 21°36 | 19°25 | 29°46 | 4°35 | 11°47 | 17°19 | 11°57 | 11°15 | 14°50 | n.a. | S 6 |
| S 7 | 8 1 9 | 2°22'01 | 3♊30 | 17°15 | 5° 9 | 22°22 | 19°34 | 29°53 | 4°37 | 11°49 | 17°19 | 11°58 | 11°12 | 14°57 | n.a. | S 7 |
| M 8 | 8 5 6 | 3°21'17 | 18° 0 | 18°59 | 5°D 7 | 23° 8 | 19°42 | 29°59 | 4°39 | 11°50 | 17°19 | 11°59 | 11° 8 | 15° 3 | n.a. | M 8 |
| T 9 | 8 9 2 | 4°20'30 | 2♋49 | 20°39 | 5° 7 | 23°55 | 19°50 | 0♉ 6 | 4°41 | 11°52 | 17°19 | 12° 0 | 11° 5 | 15°10 | n.a. | T 9 |
| W10 | 8 12 59 | 5°19'41 | 17°53 | 22°16 | 5°10 | 24°41 | 19°57 | 0°12 | 4°44 | 11°53 | 17°19 | 12°R 0 | 11° 2 | 15°17 | n.a. | W10 |
| T 11 | 8 16 55 | 6°18'49 | 3♌ 2 | 23°47 | 5°14 | 25°27 | 20° 5 | 0°19 | 4°46 | 11°55 | 17°19 | 11°59 | 10°59 | 15°23 | n.a. | T 11 |
| F 12 | 8 20 52 | 7°17'55 | 18° 8 | 25°14 | 5°22 | 26°14 | 20°13 | 0°25 | 4°48 | 11°56 | 17°19 | 11°57 | 10°56 | 15°30 | n.a. | F 12 |
| S 13 | 8 24 49 | 8°16'59 | 3♍ 2 | 26°36 | 5°31 | 27° 0 | 20°20 | 0°32 | 4°50 | 11°58 | 17°18 | 11°54 | 10°52 | 15°36 | n.a. | S 13 |
| S 14 | 8 28 45 | 9°16'00 | 17°35 | 27°52 | 5°42 | 27°46 | 20°27 | 0°38 | 4°52 | 11°59 | 17°18 | 11°50 | 10°49 | 15°43 | n.a. | S 14 |
| M15 | 8 32 42 | 10°15'00 | 1♎42 | 29° 3 | 5°56 | 28°32 | 20°34 | 0°44 | 4°54 | 12° 1 | 17°18 | 11°46 | 10°46 | 15°50 | n.a. | M15 |
| T 16 | 8 36 38 | 11°13'58 | 15°21 | 0♓ 7 | 6°12 | 29°19 | 20°41 | 0°50 | 4°56 | 12° 2 | 17°17 | 11°43 | 10°43 | 15°56 | n.a. | T 16 |
| W17 | 8 40 35 | 12°12'53 | 28°33 | 1° 5 | 6°29 | 0♉ 5 | 20°48 | 0°56 | 4°57 | 12° 3 | 17°17 | 11°40 | 10°40 | 16° 3 | n.a. | W17 |
| T 18 | 8 44 31 | 13°11'47 | 11♏19 | 1°56 | 6°49 | 0°51 | 20°55 | 1° 2 | 4°59 | 12° 5 | 17°16 | 11°D40 | 10°37 | 16°10 | n.a. | T 18 |
| F 19 | 8 48 28 | 14°10'39 | 23°43 | 2°41 | 7°10 | 1°37 | 21° 2 | 1° 8 | 5° 1 | 12° 6 | 17°16 | 11°40 | 10°33 | 16°16 | n.a. | F 19 |
| S 20 | 8 52 24 | 15° 9'29 | 5♐51 | 3°19 | 7°34 | 2°24 | 21° 8 | 1°14 | 5° 3 | 12° 7 | 17°16 | 11°41 | 10°30 | 16°23 | n.a. | S 20 |
| S 21 | 8 56 21 | 16° 8'18 | 17°47 | 3°50 | 7°59 | 3°10 | 21°14 | 1°20 | 5° 4 | 12° 9 | 17°15 | 11°43 | 10°27 | 16°30 | n.a. | S 21 |
| M22 | 9 0 17 | 17° 7'04 | 29°36 | 4°14 | 8°25 | 3°56 | 21°20 | 1°26 | 5° 6 | 12°10 | 17°14 | 11°45 | 10°24 | 16°36 | n.a. | M22 |
| T 23 | 9 4 14 | 18° 5'48 | 11♉22 | 4°32 | 8°53 | 4°42 | 21°26 | 1°32 | 5° 8 | 12°11 | 17°14 | 11°R45 | 10°21 | 16°43 | n.a. | T 23 |
| W24 | 9 8 11 | 19° 4'31 | 23° 9 | 4°43 | 9°23 | 5°29 | 21°32 | 1°38 | 5° 9 | 12°12 | 17°13 | 11°44 | 10°18 | 16°50 | n.a. | W24 |
| T 25 | 9 12 7 | 20° 3'11 | 5♒ 0 | 4°R47 | 9°54 | 6°15 | 21°37 | 1°43 | 5°11 | 12°13 | 17°13 | 11°42 | 10°14 | 16°56 | n.a. | T 25 |
| F 26 | 9 16 4 | 21° 1'49 | 16°57 | 4°44 | 10°27 | 7° 1 | 21°43 | 1°49 | 5°12 | 12°14 | 17°12 | 11°38 | 10°11 | 17° 3 | n.a. | F 26 |
| S 27 | 9 20 0 | 22° 0'25 | 29° 3 | 4°36 | 11° 1 | 7°47 | 21°48 | 1°55 | 5°14 | 12°16 | 17°11 | 11°32 | 10° 8 | 17° 9 | n.a. | S 27 |
| S 28 | 9 23 57 | 22♒58'59 | 11♓20 | 4♓21 | 11♉36 | 8♉33 | 21♏53 | 2♉ 0 | 5♐15 | 12♐17 | 17♎10 | 11♉24 | 10♉ 5 | 17♉16 | n.a. | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 21s17 | 2s 0 | 4n40 | 19s53 | 0s44 | 15s59 | 7n48 | 24s 2 | 0s42 | 17s13 | 0n33 | 24s14 | 0s19 | 21s33 | 0s 6 | 21s59 | 0n39 | 3n59 | 11n51 | 23s22 | 23s25 | 22s53 | | n.a. |
| T 2 | 21 6 | 3n19 | 5 5 | 19 13 | 0 34 | 16 4 | 7 43 | 24 7 | 0 43 | 17 15 | 0 33 | 24 14 | 0 19 | 21 33 | 0 6 | 21 59 | 0 39 | 4 0 | 11 51 | 23 22 | 23 25 | 22 52 | | n.a. |
| W 3 | 20 54 | 8 37 | 5 16 | 18 31 | 0 24 | 16 10 | 7 38 | 24 12 | 0 44 | 17 18 | 0 33 | 24 14 | 0 19 | 21 34 | 0 6 | 22 0 | 0 39 | 4 0 | 11 52 | 23 22 | 23 25 | 22 50 | | n.a. |
| T 4 | 20 41 | 13 40 | 5 11 | 17 49 | 0 13 | 16 16 | 7 32 | 24 17 | 0 44 | 17 20 | 0 33 | 24 14 | 0 19 | 21 34 | 0 6 | 22 0 | 0 39 | 4 0 | 11 52 | 23 22 | 23 25 | 22 49 | | n.a. |
| F 5 | 20 28 | 18 13 | 4 50 | 17 5 | 0 1 | 16 23 | 7 26 | 24 21 | 0 45 | 17 23 | 0 33 | 24 15 | 0 19 | 21 35 | 0 6 | 22 0 | 0 39 | 4 1 | 11 52 | 23 22 | 23 26 | 22 47 | | n.a. |
| S 6 | 20 15 | 21 57 | 4 11 | 16 21 | 0n11 | 16 30 | 7 19 | 24 25 | 0 46 | 17 25 | 0 33 | 24 15 | 0 20 | 21 35 | 0 6 | 22 0 | 0 39 | 4 1 | 11 53 | 23 22 | 23 26 | 22 45 | | n.a. |
| S 7 | 20 2 | 24 30 | 3 17 | 15 36 | 0 23 | 16 37 | 7 12 | 24 28 | 0 47 | 17 27 | 0 33 | 24 15 | 0 20 | 21 36 | 0 6 | 22 0 | 0 39 | 4 1 | 11 53 | 23 22 | 23 26 | 22 44 | | n.a. |
| M 8 | 19 48 | 25 30 | 2 9 | 14 52 | 0 36 | 16 45 | 7 5 | 24 32 | 0 47 | 17 29 | 0 33 | 24 15 | 0 20 | 21 36 | 0 6 | 22 1 | 0 39 | 4 1 | 11 53 | 23 22 | 23 27 | 22 42 | | n.a. |
| T 9 | 19 34 | 24 44 | 0 51 | 14 7 | 0 49 | 16 52 | 6 57 | 24 35 | 0 48 | 17 32 | 0 32 | 24 15 | 0 20 | 21 36 | 0 6 | 22 1 | 0 39 | 4 2 | 11 54 | 23 22 | 23 27 | 22 40 | | n.a. |
| W10 | 19 19 | 22 10 | 0s32 | 13 24 | 1 2 | 17 0 | 6 49 | 24 38 | 0 49 | 17 34 | 0 32 | 24 15 | 0 20 | 21 37 | 0 6 | 22 1 | 0 39 | 4 2 | 11 54 | 23 22 | 23 27 | 22 39 | | n.a. |
| T 11 | 19 4 | 18 2 | 1 53 | 12 41 | 1 15 | 17 8 | 6 41 | 24 40 | 0 50 | 17 36 | 0 32 | 24 15 | 0 20 | 21 37 | 0 6 | 22 1 | 0 39 | 4 2 | 11 54 | 23 22 | 23 27 | 22 37 | | n.a. |
| F 12 | 18 49 | 12 45 | 3 6 | 11 59 | 1 28 | 17 16 | 6 33 | 24 42 | 0 51 | 17 38 | 0 32 | 24 15 | 0 20 | 21 38 | 0 7 | 22 2 | 0 39 | 4 3 | 11 55 | 23 22 | 23 28 | 22 35 | | n.a. |
| S 13 | 18 33 | 6 48 | 4 5 | 11 19 | 1 41 | 17 24 | 6 24 | 24 44 | 0 51 | 17 40 | 0 32 | 24 15 | 0 20 | 21 38 | 0 7 | 22 2 | 0 39 | 4 3 | 11 55 | 23 23 | 23 28 | 22 34 | | n.a. |
| S 14 | 18 18 | 0 37 | 4 46 | 10 40 | 1 54 | 17 33 | 6 15 | 24 46 | 0 52 | 17 42 | 0 32 | 24 15 | 0 20 | 21 38 | 0 7 | 22 2 | 0 39 | 4 4 | 11 55 | 23 23 | 23 28 | 22 32 | | n.a. |
| M15 | 18 2 | 5s24 | 5 9 | 10 4 | 2 6 | 17 41 | 6 7 | 24 48 | 0 53 | 17 44 | 0 32 | 24 15 | 0 20 | 21 39 | 0 7 | 22 2 | 0 39 | 4 4 | 11 55 | 23 23 | 23 28 | 22 30 | | n.a. |
| T 16 | 17 45 | 10 58 | 5 13 | 9 30 | 2 18 | 17 49 | 5 58 | 24 49 | 0 54 | 17 46 | 0 32 | 24 16 | 0 21 | 21 39 | 0 7 | 22 2 | 0 39 | 4 4 | 11 56 | 23 24 | 23 29 | 22 29 | | n.a. |
| W17 | 17 29 | 15 50 | 5 0 | 8 59 | 2 30 | 17 57 | 5 49 | 24 50 | 0 54 | 17 48 | 0 32 | 24 16 | 0 21 | 21 40 | 0 7 | 22 2 | 0 39 | 4 5 | 11 56 | 23 24 | 23 29 | 22 27 | | n.a. |
| T 18 | 17 12 | 19 50 | 4 33 | 8 30 | 2 41 | 18 5 | 5 39 | 24 50 | 0 55 | 17 50 | 0 32 | 24 16 | 0 21 | 21 40 | 0 7 | 22 3 | 0 39 | 4 5 | 11 56 | 23 24 | 23 29 | 22 25 | | n.a. |
| F 19 | 16 54 | 22 50 | 3 53 | 8 5 | 2 51 | 18 13 | 5 30 | 24 50 | 0 56 | 17 51 | 0 32 | 24 16 | 0 21 | 21 40 | 0 7 | 22 3 | 0 39 | 4 6 | 11 57 | 23 24 | 23 29 | 22 24 | | n.a. |
| S 20 | 16 37 | 24 44 | 3 4 | 7 42 | 3 0 | 18 21 | 5 21 | 24 50 | 0 57 | 17 53 | 0 32 | 24 16 | 0 21 | 21 41 | 0 7 | 22 3 | 0 39 | 4 6 | 11 57 | 23 24 | 23 30 | 22 22 | | n.a. |
| S 21 | 16 19 | 25 28 | 2 7 | 7 23 | 3 8 | 18 29 | 5 12 | 24 50 | 0 57 | 17 55 | 0 32 | 24 16 | 0 21 | 21 41 | 0 7 | 22 3 | 0 39 | 4 7 | 11 57 | 23 23 | 23 30 | 22 20 | | n.a. |
| M22 | 16 1 | 25 1 | 1 6 | 7 7 | 3 16 | 18 37 | 5 3 | 24 50 | 0 58 | 17 56 | 0 32 | 24 16 | 0 21 | 21 41 | 0 7 | 22 3 | 0 39 | 4 7 | 11 57 | 23 23 | 23 30 | 22 19 | | n.a. |
| T 23 | 15 43 | 23 28 | 0 2 | 6 55 | 3 22 | 18 44 | 4 54 | 24 49 | 0 59 | 17 58 | 0 32 | 24 16 | 0 21 | 21 42 | 0 7 | 22 3 | 0 39 | 4 8 | 11 58 | 23 23 | 23 30 | 22 17 | | n.a. |
| W24 | 15 24 | 20 53 | 1n 2 | 6 46 | 3 27 | 18 51 | 4 44 | 24 48 | 0 59 | 18 0 | 0 32 | 24 16 | 0 21 | 21 42 | 0 7 | 22 4 | 0 39 | 4 8 | 11 58 | 23 23 | 23 31 | 22 15 | | n.a. |
| T 25 | 15 5 | 17 24 | 2 3 | 6 41 | 3 31 | 18 58 | 4 35 | 24 46 | 1 0 | 18 1 | 0 32 | 24 16 | 0 21 | 21 42 | 0 7 | 22 4 | 0 39 | 4 8 | 11 58 | 23 24 | 23 31 | 22 14 | | n.a. |
| F 26 | 14 46 | 13 13 | 3 0 | 6 40 | 3 33 | 19 5 | 4 26 | 24 45 | 1 1 | 18 3 | 0 32 | 24 16 | 0 22 | 21 42 | 0 7 | 22 4 | 0 39 | 4 9 | 11 58 | 23 24 | 23 31 | 22 12 | | n.a. |
| S 27 | 14 27 | 8 28 | 3 49 | 6 42 | 3 34 | 19 11 | 4 17 | 24 43 | 1 2 | 18 4 | 0 32 | 24 16 | 0 22 | 21 43 | 0 7 | 22 4 | 0 39 | 4 9 | 11 59 | 23 25 | 23 31 | 22 10 | | n.a. |
| S 28 | 14s 8 | 3s20 | 4n28 | 6s48 | 3n34 | 19s17 | 4n 8 | 24s40 | 1s 2 | 18s 5 | 0n32 | 24s16 | 0s22 | 21s43 | 0s 7 | 22s 4 | 0n39 | 4n10 | 11n59 | 23s25 | 23s32 | 22s 8 | | n.a. |

Julian Day Number = 1007390.5, Delta T = 12h44m02s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'37, Lahiri = -30°54'37 Julian Calendar 1 Feb. 1955 BCE == Greg. Calendar 15 Jan. 1955 BCE


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## MARCH 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 27 53 | 23♒57'31 | 23♓47 | 4°R 1 | 12♉12 | 9♉19 | 21♏58 | 2♉ 6 | 5♐16 | 12♐18 | 17°R10 | 11°R17 | 10♉ 2 | 17♉23 | n.a. | M 1 |
| T 2 | 9 31 50 | 24°56'00 | 6♈26 | 3♓36 | 12°50 | 10° 5 | 22° 3 | 2°11 | 5°18 | 12°19 | 17♎ 9 | 11♉ 9 | 9°58 | 17°29 | n.a. | T 2 |
| W 3 | 9 35 46 | 25°54'28 | 19°17 | 3° 6 | 13°29 | 10°51 | 22° 8 | 2°16 | 5°19 | 12°20 | 17° 8 | 11° 3 | 9°55 | 17°36 | n.a. | W 3 |
| T 4 | 9 39 43 | 26°52'53 | 2♉23 | 2°32 | 14° 9 | 11°37 | 22°12 | 2°22 | 5°20 | 12°20 | 17° 7 | 10°58 | 9°52 | 17°43 | n.a. | T 4 |
| F 5 | 9 43 39 | 27°51'16 | 15°44 | 1°56 | 14°49 | 12°23 | 22°16 | 2°27 | 5°21 | 12°21 | 17° 6 | 10°56 | 9°49 | 17°49 | n.a. | F 5 |
| S 6 | 9 47 36 | 28°49'36 | 29°22 | 1°16 | 15°31 | 13° 9 | 22°20 | 2°32 | 5°22 | 12°22 | 17° 5 | 10°D55 | 9°46 | 17°56 | n.a. | S 6 |
| S 7 | 9 51 33 | 29°47'54 | 13♊17 | 0°35 | 16°14 | 13°55 | 22°24 | 2°37 | 5°23 | 12°23 | 17° 4 | 10°56 | 9°43 | 18° 3 | n.a. | S 7 |
| M 8 | 9 55 29 | 0♓46'11 | 27°30 | 29♒53 | 16°58 | 14°41 | 22°28 | 2°42 | 5°24 | 12°24 | 17° 4 | 10°57 | 9°39 | 18° 9 | n.a. | M 8 |
| T 9 | 9 59 26 | 1°44'24 | 12♋ 0 | 29°11 | 17°43 | 15°27 | 22°32 | 2°47 | 5°25 | 12°25 | 17° 3 | 10°R57 | 9°36 | 18°16 | n.a. | T 9 |
| W10 | 10 3 22 | 2°42'36 | 26°43 | 28°29 | 18°29 | 16°13 | 22°35 | 2°52 | 5°26 | 12°25 | 17° 2 | 10°56 | 9°33 | 18°23 | n.a. | W10 |
| T 11 | 10 7 19 | 3°40'45 | 11♌34 | 27°49 | 19°15 | 16°59 | 22°38 | 2°57 | 5°27 | 12°26 | 17° 0 | 10°53 | 9°30 | 18°29 | n.a. | T 11 |
| F 12 | 10 11 15 | 4°38'53 | 26°25 | 27°10 | 20° 2 | 17°45 | 22°41 | 3° 1 | 5°28 | 12°27 | 16°59 | 10°48 | 9°27 | 18°36 | n.a. | F 12 |
| S 13 | 10 15 12 | 5°36'58 | 11♍10 | 26°35 | 20°50 | 18°31 | 22°44 | 3° 6 | 5°28 | 12°27 | 16°58 | 10°40 | 9°23 | 18°43 | n.a. | S 13 |
| S 14 | 10 19 8 | 6°35'01 | 25°40 | 26° 2 | 21°39 | 19°16 | 22°47 | 3°10 | 5°29 | 12°28 | 16°57 | 10°31 | 9°20 | 18°49 | n.a. | S 14 |
| M15 | 10 23 5 | 7°33'03 | 9♎48 | 25°33 | 22°29 | 20° 2 | 22°49 | 3°15 | 5°30 | 12°29 | 16°56 | 10°23 | 9°17 | 18°56 | n.a. | M15 |
| T 16 | 10 27 1 | 8°31'03 | 23°30 | 25° 8 | 23°19 | 20°48 | 22°52 | 3°19 | 5°30 | 12°29 | 16°55 | 10°14 | 9°14 | 19° 2 | n.a. | T 16 |
| W17 | 10 30 58 | 9°29'02 | 6♏46 | 24°47 | 24°10 | 21°33 | 22°54 | 3°24 | 5°31 | 12°30 | 16°54 | 10° 8 | 9°11 | 19° 9 | n.a. | W17 |
| T 18 | 10 34 55 | 10°26'59 | 19°35 | 24°31 | 25° 2 | 22°19 | 22°56 | 3°28 | 5°31 | 12°30 | 16°53 | 10° 4 | 9° 8 | 19°16 | n.a. | T 18 |
| F 19 | 10 38 51 | 11°24'54 | 2♐ 3 | 24°19 | 25°54 | 23° 5 | 22°58 | 3°32 | 5°32 | 12°31 | 16°51 | 10° 2 | 9° 4 | 19°22 | n.a. | F 19 |
| S 20 | 10 42 48 | 12°22'49 | 14°12 | 24°12 | 26°47 | 23°50 | 22°59 | 3°36 | 5°32 | 12°31 | 16°50 | 10°D 1 | 9° 1 | 19°29 | n.a. | S 20 |
| S 21 | 10 46 44 | 13°20'41 | 26° 9 | 24°D10 | 27°40 | 24°36 | 23° 1 | 3°40 | 5°32 | 12°31 | 16°49 | 10° 2 | 8°58 | 19°36 | n.a. | S 21 |
| M22 | 10 50 41 | 14°18'32 | 7♉58 | 24°13 | 28°34 | 25°21 | 23° 2 | 3°44 | 5°33 | 12°32 | 16°48 | 10°R 2 | 8°55 | 19°42 | n.a. | M22 |
| T 23 | 10 54 37 | 15°16'22 | 19°44 | 24°20 | 29°28 | 26° 7 | 23° 3 | 3°48 | 5°33 | 12°32 | 16°46 | 10° 2 | 8°52 | 19°49 | n.a. | T 23 |
| W24 | 10 58 34 | 16°14'11 | 1♒34 | 24°32 | 0♒23 | 26°52 | 23° 4 | 3°52 | 5°33 | 12°32 | 16°45 | 9°59 | 8°49 | 19°56 | n.a. | W24 |
| T 25 | 11 2 30 | 17°11'57 | 13°30 | 24°49 | 1°19 | 27°38 | 23° 4 | 3°55 | 5°33 | 12°33 | 16°44 | 9°55 | 8°45 | 20° 2 | n.a. | T 25 |
| F 26 | 11 6 27 | 18° 9'43 | 25°36 | 25°10 | 2°15 | 28°23 | 23° 5 | 3°59 | 5°33 | 12°33 | 16°42 | 9°47 | 8°42 | 20° 9 | n.a. | F 26 |
| S 27 | 11 10 23 | 19° 7'27 | 7♓54 | 25°36 | 3°11 | 29° 8 | 23° 5 | 4° 3 | 5°R33 | 12°33 | 16°41 | 9°38 | 8°39 | 20°16 | n.a. | S 27 |
| S 28 | 11 14 20 | 20° 5'09 | 20°25 | 26° 6 | 4° 8 | 29°54 | 23°R 5 | 4° 6 | 5°33 | 12°33 | 16°39 | 9°26 | 8°36 | 20°22 | n.a. | S 28 |
| M29 | 11 18 17 | 21° 2'50 | 3♈10 | 26°39 | 5° 5 | 0♒39 | 23° 5 | 4° 9 | 5°33 | 12°33 | 16°38 | 9°14 | 8°33 | 20°29 | n.a. | M29 |
| T 30 | 11 22 13 | 22° 0'29 | 16° 9 | 27°17 | 6° 3 | 1°24 | 23° 5 | 4°13 | 5°33 | 12°33 | 16°37 | 9° 2 | 8°29 | 20°36 | n.a. | T 30 |
| W31 | 11 26 10 | 22♓58'07 | 29♈20 | 27♒59 | 7♒ 1 | 2♒ 9 | 23♏ 4 | 4♉16 | 5♐33 | 12♐33 | 16♎35 | 8♉52 | 8♉26 | 20♉42 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 13 s48 | 1n59 | 4n55 | 6 s57 | 3n32 | 19 s23 | 3n59 | 24 s38 | 1 s 3 | 18 s 7 | 0n32 | 24 s16 | 0 s22 | 21 s43 | 0 s 7 | 22 s 4 | 0n39 | 4n11 | 11n59 | 23 s26 | 23 s32 | 22 s 7 | | | n.a. |
| T 2 | 13 28 | 7 18 | 5 8 | 7 10 | 3 28 | 19 28 | 3 50 | 24 35 | 1 4 | 18 8 | 0 32 | 24 16 | 0 22 | 21 43 | 0 7 | 22 4 | 0 39 | 4 11 | 11 59 | 23 26 | 23 32 | 22 5 | | | n.a. |
| W 3 | 13 8 | 12 24 | 5 6 | 7 25 | 3 23 | 19 33 | 3 42 | 24 32 | 1 4 | 18 9 | 0 32 | 24 16 | 0 22 | 21 44 | 0 7 | 22 5 | 0 39 | 4 12 | 12 0 | 23 27 | 23 32 | 22 3 | | | n.a. |
| T 4 | 12 48 | 17 2 | 4 48 | 7 44 | 3 16 | 19 38 | 3 33 | 24 29 | 1 5 | 18 10 | 0 32 | 24 16 | 0 22 | 21 44 | 0 7 | 22 5 | 0 39 | 4 12 | 12 0 | 23 27 | 23 33 | 22 1 | | | n.a. |
| F 5 | 12 27 | 20 55 | 4 14 | 8 5 | 3 8 | 19 42 | 3 24 | 24 25 | 1 6 | 18 12 | 0 32 | 24 16 | 0 22 | 21 44 | 0 7 | 22 5 | 0 39 | 4 13 | 12 0 | 23 28 | 23 33 | 22 0 | | | n.a. |
| S 6 | 12 7 | 23 45 | 3 25 | 8 28 | 2 59 | 19 46 | 3 16 | 24 22 | 1 7 | 18 13 | 0 32 | 24 16 | 0 22 | 21 44 | 0 7 | 22 5 | 0 39 | 4 13 | 12 0 | 23 28 | 23 33 | 21 58 | | | n.a. |
| S 7 | 11 46 | 25 14 | 2 24 | 8 53 | 2 48 | 19 49 | 3 7 | 24 17 | 1 7 | 18 14 | 0 32 | 24 16 | 0 23 | 21 45 | 0 7 | 22 5 | 0 39 | 4 14 | 12 1 | 23 28 | 23 33 | 21 56 | | | n.a. |
| M 8 | 11 25 | 25 6 | 1 12 | 9 19 | 2 36 | 19 52 | 2 59 | 24 13 | 1 8 | 18 15 | 0 32 | 24 16 | 0 23 | 21 45 | 0 7 | 22 5 | 0 39 | 4 14 | 12 1 | 23 28 | 23 34 | 21 54 | | | n.a. |
| T 9 | 11 4 | 23 16 | 0 s 6 | 9 46 | 2 23 | 19 54 | 2 50 | 24 8 | 1 9 | 18 16 | 0 32 | 24 16 | 0 23 | 21 45 | 0 7 | 22 5 | 0 39 | 4 15 | 12 1 | 23 27 | 23 34 | 21 53 | | | n.a. |
| W10 | 10 43 | 19 52 | 1 24 | 10 14 | 2 8 | 19 56 | 2 42 | 24 4 | 1 9 | 18 17 | 0 32 | 24 16 | 0 23 | 21 45 | 0 7 | 22 5 | 0 39 | 4 15 | 12 1 | 23 28 | 23 34 | 21 51 | | | n.a. |
| T 11 | 10 21 | 15 9 | 2 37 | 10 42 | 1 54 | 19 58 | 2 34 | 23 58 | 1 10 | 18 18 | 0 32 | 24 16 | 0 23 | 21 45 | 0 7 | 22 5 | 0 39 | 4 16 | 12 1 | 23 28 | 23 34 | 21 49 | | | n.a. |
| F 12 | 10 0 | 9 32 | 3 39 | 11 10 | 1 38 | 19 59 | 2 26 | 23 53 | 1 11 | 18 18 | 0 32 | 24 16 | 0 23 | 21 45 | 0 7 | 22 5 | 0 39 | 4 17 | 12 2 | 23 28 | 23 35 | 21 47 | | | n.a. |
| S 13 | 9 38 | 3 25 | 4 27 | 11 37 | 1 22 | 20 0 | 2 18 | 23 47 | 1 11 | 18 19 | 0 32 | 24 16 | 0 23 | 21 46 | 0 7 | 22 5 | 0 39 | 4 17 | 12 2 | 23 29 | 23 35 | 21 45 | | | n.a. |
| S 14 | 9 16 | 2 s45 | 4 56 | 12 4 | 1 6 | 20 0 | 2 10 | 23 41 | 1 12 | 18 20 | 0 31 | 24 16 | 0 23 | 21 46 | 0 7 | 22 6 | 0 39 | 4 18 | 12 2 | 23 30 | 23 35 | 21 44 | | | n.a. |
| M15 | 8 54 | 8 37 | 5 6 | 12 29 | 0 50 | 19 59 | 2 3 | 23 35 | 1 13 | 18 21 | 0 31 | 24 16 | 0 23 | 21 46 | 0 7 | 22 6 | 0 40 | 4 18 | 12 2 | 23 30 | 23 35 | 21 42 | | | n.a. |
| T 16 | 8 32 | 13 54 | 4 58 | 12 53 | 0 33 | 19 58 | 1 55 | 23 29 | 1 13 | 18 21 | 0 31 | 24 16 | 0 24 | 21 46 | 0 7 | 22 6 | 0 40 | 4 19 | 12 2 | 23 31 | 23 35 | 21 40 | | | n.a. |
| W17 | 8 10 | 18 20 | 4 34 | 13 15 | 0 17 | 19 57 | 1 47 | 23 22 | 1 14 | 18 22 | 0 31 | 24 16 | 0 24 | 21 46 | 0 7 | 22 6 | 0 40 | 4 20 | 12 2 | 23 31 | 23 36 | 21 38 | | | n.a. |
| T 18 | 7 48 | 21 46 | 3 56 | 13 35 | 0 2 | 19 55 | 1 40 | 23 15 | 1 15 | 18 22 | 0 31 | 24 16 | 0 24 | 21 46 | 0 7 | 22 6 | 0 40 | 4 20 | 12 3 | 23 32 | 23 36 | 21 36 | | | n.a. |
| F 19 | 7 25 | 24 4 | 3 9 | 13 54 | 0 s14 | 19 52 | 1 33 | 23 8 | 1 15 | 18 23 | 0 31 | 24 16 | 0 24 | 21 46 | 0 7 | 22 6 | 0 40 | 4 21 | 12 3 | 23 32 | 23 36 | 21 35 | | | n.a. |
| S 20 | 7 3 | 25 11 | 2 14 | 14 10 | 0 29 | 19 49 | 1 26 | 23 1 | 1 16 | 18 23 | 0 31 | 24 16 | 0 24 | 21 46 | 0 7 | 22 6 | 0 40 | 4 21 | 12 3 | 23 32 | 23 36 | 21 33 | | | n.a. |
| S 21 | 6 40 | 25 5 | 1 14 | 14 24 | 0 43 | 19 46 | 1 19 | 22 53 | 1 16 | 18 24 | 0 31 | 24 16 | 0 24 | 21 46 | 0 7 | 22 6 | 0 40 | 4 22 | 12 3 | 23 32 | 23 37 | 21 31 | | | n.a. |
| M22 | 6 18 | 23 52 | 0 11 | 14 36 | 0 57 | 19 42 | 1 12 | 22 45 | 1 17 | 18 24 | 0 31 | 24 16 | 0 24 | 21 47 | 0 7 | 22 6 | 0 40 | 4 23 | 12 3 | 23 32 | 23 37 | 21 29 | | | n.a. |
| T 23 | 5 55 | 21 35 | 0n52 | 14 46 | 1 10 | 19 37 | 1 5 | 22 37 | 1 18 | 18 24 | 0 31 | 24 16 | 0 24 | 21 47 | 0 7 | 22 6 | 0 40 | 4 23 | 12 3 | 23 32 | 23 37 | 21 27 | | | n.a. |
| W24 | 5 32 | 18 23 | 1 52 | 14 53 | 1 22 | 19 32 | 0 58 | 22 29 | 1 18 | 18 25 | 0 31 | 24 16 | 0 25 | 21 47 | 0 7 | 22 6 | 0 40 | 4 24 | 12 3 | 23 32 | 23 37 | 21 25 | | | n.a. |
| T 25 | 5 9 | 14 25 | 2 48 | 14 58 | 1 33 | 19 26 | 0 52 | 22 20 | 1 19 | 18 25 | 0 31 | 24 16 | 0 25 | 21 47 | 0 7 | 22 6 | 0 40 | 4 25 | 12 4 | 23 32 | 23 37 | 21 24 | | | n.a. |
| F 26 | 4 46 | 9 50 | 3 38 | 15 1 | 1 44 | 19 19 | 0 45 | 22 12 | 1 19 | 18 25 | 0 31 | 24 16 | 0 25 | 21 47 | 0 7 | 22 6 | 0 40 | 4 25 | 12 4 | 23 33 | 23 38 | 21 22 | | | n.a. |
| S 27 | 4 23 | 4 48 | 4 17 | 15 2 | 1 54 | 19 13 | 0 39 | 22 3 | 1 20 | 18 25 | 0 31 | 24 16 | 0 25 | 21 47 | 0 7 | 22 6 | 0 40 | 4 26 | 12 4 | 23 34 | 23 38 | 21 20 | | | n.a. |
| S 28 | 4 0 | 0n30 | 4 46 | 15 0 | 2 3 | 19 5 | 0 33 | 21 53 | 1 21 | 18 25 | 0 31 | 24 16 | 0 25 | 21 47 | 0 7 | 22 6 | 0 40 | 4 26 | 12 4 | 23 35 | 23 38 | 21 18 | | | n.a. |
| M29 | 3 37 | 5 51 | 5 0 | 14 56 | 2 12 | 18 57 | 0 26 | 21 44 | 1 21 | 18 25 | 0 31 | 24 16 | 0 25 | 21 47 | 0 7 | 22 6 | 0 40 | 4 27 | 12 4 | 23 35 | 23 38 | 21 16 | | | n.a. |
| T 30 | 3 14 | 11 4 | 4 59 | 14 50 | 2 20 | 18 49 | 0 20 | 21 34 | 1 22 | 18 25 | 0 31 | 24 16 | 0 25 | 21 47 | 0 7 | 22 6 | 0 40 | 4 28 | 12 4 | 23 36 | 23 39 | 21 14 | | | n.a. |
| W31 | 2 s51 | 15n51 | 4n43 | 14 s42 | 2 s26 | 18 s39 | 0n15 | 21 s25 | 1 s22 | 18 s25 | 0n31 | 24 s16 | 0 s25 | 21 s47 | 0 s 7 | 22 s 6 | 0n40 | 4n28 | 12n 4 | 23 s37 | 23 s39 | 21 s12 | | | n.a. |

Julian Day Number = 1007418.5, Delta T = 12h44m00s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'34, Lahiri = -30°54'33 Julian Calendar 1 March 1955 BCE == Greg. Calendar 12 Feb. 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## APRIL 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 30 6 | 23♓55'43 | 12♉43 | 28♒44 | 7♒59 | 2♒54 | 23°R 4 | 4♑19 | 5°R33 | 12°R33 | 16°R34 | 8°R44 | 8♑23 | 20♑49 | n.a. | T 1 |
| F 2 | 11 34 3 | 24°53'17 | 26°16 | 29°33 | 8°58 | 3°39 | 23♏ 3 | 4°22 | 5♐33 | 12♐33 | 16♎32 | 8♑39 | 8°20 | 20°56 | n.a. | F 2 |
| S 3 | 11 37 59 | 25°50'50 | 10♊ 0 | 0♓25 | 9°57 | 4°24 | 23° 2 | 4°25 | 5°32 | 12°33 | 16°31 | 8°36 | 8°17 | 21° 2 | n.a. | S 3 |
| S 4 | 11 41 56 | 26°48'22 | 23°54 | 1°21 | 10°56 | 5° 9 | 23° 0 | 4°28 | 5°32 | 12°33 | 16°29 | 8°D36 | 8°14 | 21° 9 | n.a. | S 4 |
| M 5 | 11 45 52 | 27°45'51 | 7♋58 | 2°20 | 11°56 | 5°54 | 22°59 | 4°30 | 5°32 | 12°33 | 16°28 | 8°R36 | 8°10 | 21°15 | n.a. | M 5 |
| T 6 | 11 49 49 | 28°43'20 | 22°12 | 3°22 | 12°56 | 6°39 | 22°57 | 4°33 | 5°31 | 12°33 | 16°26 | 8°35 | 8° 7 | 21°22 | n.a. | T 6 |
| W 7 | 11 53 46 | 29°40'46 | 6♌34 | 4°27 | 13°57 | 7°24 | 22°56 | 4°36 | 5°31 | 12°33 | 16°25 | 8°33 | 8° 4 | 21°29 | n.a. | W 7 |
| T 8 | 11 57 42 | 0♈38'11 | 21° 2 | 5°34 | 14°57 | 8° 9 | 22°54 | 4°38 | 5°30 | 12°33 | 16°23 | 8°29 | 8° 1 | 21°35 | n.a. | T 8 |
| F 9 | 12 1 39 | 1°35'34 | 5♍30 | 6°45 | 15°58 | 8°53 | 22°51 | 4°40 | 5°29 | 12°32 | 16°22 | 8°21 | 7°58 | 21°42 | n.a. | F 9 |
| S 10 | 12 5 35 | 2°32'56 | 19°53 | 7°59 | 17° 0 | 9°38 | 22°49 | 4°43 | 5°29 | 12°32 | 16°20 | 8°12 | 7°55 | 21°49 | n.a. | S 10 |
| S 11 | 12 9 32 | 3°30'17 | 4♎ 4 | 9°15 | 18° 1 | 10°23 | 22°47 | 4°45 | 5°28 | 12°32 | 16°18 | 8° 0 | 7°51 | 21°55 | n.a. | S 11 |
| M12 | 12 13 28 | 4°27'37 | 18° 0 | 10°34 | 19° 3 | 11° 7 | 22°44 | 4°47 | 5°27 | 12°32 | 16°17 | 7°48 | 7°48 | 22° 2 | n.a. | M12 |
| T 13 | 12 17 25 | 5°24'56 | 1♏34 | 11°56 | 20° 5 | 11°52 | 22°41 | 4°49 | 5°27 | 12°31 | 16°15 | 7°37 | 7°45 | 22° 9 | n.a. | T 13 |
| W14 | 12 21 21 | 6°22'13 | 14°45 | 13°20 | 21° 8 | 12°36 | 22°38 | 4°51 | 5°26 | 12°31 | 16°14 | 7°28 | 7°42 | 22°15 | n.a. | W14 |
| T 15 | 12 25 18 | 7°19'31 | 27°33 | 14°47 | 22°11 | 13°20 | 22°35 | 4°53 | 5°25 | 12°30 | 16°12 | 7°22 | 7°39 | 22°22 | n.a. | T 15 |
| F 16 | 12 29 15 | 8°16'47 | 10♐ 1 | 16°16 | 23°13 | 14° 5 | 22°31 | 4°54 | 5°24 | 12°30 | 16°11 | 7°18 | 7°35 | 22°29 | n.a. | F 16 |
| S 17 | 12 33 11 | 9°14'02 | 22°11 | 17°48 | 24°17 | 14°49 | 22°28 | 4°56 | 5°23 | 12°29 | 16° 9 | 7°16 | 7°32 | 22°35 | n.a. | S 17 |
| S 18 | 12 37 8 | 10°11'17 | 4♑ 9 | 19°23 | 25°20 | 15°33 | 22°24 | 4°58 | 5°22 | 12°29 | 16° 7 | 7°15 | 7°29 | 22°42 | n.a. | S 18 |
| M19 | 12 41 4 | 11° 8'32 | 15°59 | 21° 0 | 26°24 | 16°17 | 22°20 | 4°59 | 5°21 | 12°28 | 16° 6 | 7°15 | 7°26 | 22°49 | n.a. | M19 |
| T 20 | 12 45 1 | 12° 5'45 | 27°47 | 22°39 | 27°27 | 17° 2 | 22°16 | 5° 0 | 5°20 | 12°28 | 16° 4 | 7°14 | 7°23 | 22°55 | n.a. | T 20 |
| W21 | 12 48 57 | 13° 2'58 | 9♒39 | 24°21 | 28°31 | 17°46 | 22°12 | 5° 2 | 5°19 | 12°27 | 16° 2 | 7°12 | 7°20 | 23° 2 | n.a. | W21 |
| T 22 | 12 52 54 | 14° 0'11 | 21°40 | 26° 5 | 29°36 | 18°30 | 22° 7 | 5° 3 | 5°18 | 12°27 | 16° 1 | 7° 8 | 7°16 | 23° 9 | n.a. | T 22 |
| F 23 | 12 56 50 | 14°57'22 | 3♓53 | 27°52 | 0♓40 | 19°14 | 22° 3 | 5° 4 | 5°16 | 12°26 | 15°59 | 7° 0 | 7°13 | 23°15 | n.a. | F 23 |
| S 24 | 13 0 47 | 15°54'33 | 16°21 | 29°42 | 1°45 | 19°57 | 21°58 | 5° 5 | 5°15 | 12°25 | 15°58 | 6°51 | 7°10 | 23°22 | n.a. | S 24 |
| S 25 | 13 4 44 | 16°51'44 | 29° 7 | 1♈33 | 2°49 | 20°41 | 21°53 | 5° 5 | 5°14 | 12°24 | 15°56 | 6°39 | 7° 7 | 23°28 | n.a. | S 25 |
| M26 | 13 8 40 | 17°48'54 | 12♈10 | 3°27 | 3°54 | 21°25 | 21°48 | 5° 6 | 5°13 | 12°24 | 15°54 | 6°27 | 7° 4 | 23°35 | n.a. | M26 |
| T 27 | 13 12 37 | 18°46'04 | 25°30 | 5°24 | 5° 0 | 22° 9 | 21°43 | 5° 7 | 5°11 | 12°23 | 15°53 | 6°15 | 7° 0 | 23°42 | n.a. | T 27 |
| W28 | 13 16 33 | 19°43'12 | 9♉ 4 | 7°22 | 6° 5 | 22°52 | 21°38 | 5° 7 | 5°10 | 12°22 | 15°51 | 6° 5 | 6°57 | 23°48 | n.a. | W28 |
| T 29 | 13 20 30 | 20°40'21 | 22°50 | 9°23 | 7°10 | 23°36 | 21°32 | 5° 8 | 5° 8 | 12°21 | 15°49 | 5°57 | 6°54 | 23°55 | n.a. | T 29 |
| F 30 | 13 24 26 | 21♈37'28 | 6♊44 | 11♈26 | 8♓16 | 24♒19 | 21♏26 | 5♑ 8 | 5♐ 7 | 12♐20 | 15♎48 | 5♑51 | 6♑51 | 24♑ 2 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s27 | 19n56 | 4n11 | 14s31 | 2s33 | 18s30 | 0n 9 | 21s15 | 1s23 | 18s25 | 0n31 | 24s16 | 0s26 | 21s47 | 0s 7 | 22s 6 | 0n40 | 4n29 | 12n 4 | 23s38 | 23s39 | 21s10 | | n.a. |
| F 2 | 2 4 | 23 1 | 3 24 | 14 19 | 2 38 | 18 20 | 0 3 | 21 4 | 1 23 | 18 25 | 0 31 | 24 16 | 0 26 | 21 47 | 0 7 | 22 6 | 0 40 | 4 30 | 12 4 | 23 38 | 23 39 | 21 9 | | n.a. |
| S 3 | 1 41 | 24 47 | 2 25 | 14 4 | 2 42 | 18 9 | 0s 2 | 20 54 | 1 24 | 18 25 | 0 31 | 24 16 | 0 26 | 21 47 | 0 7 | 22 6 | 0 40 | 4 30 | 12 4 | 23 38 | 23 39 | 21 7 | | n.a. |
| S 4 | 1 18 | 25 4 | 1 17 | 13 47 | 2 46 | 17 58 | 0 8 | 20 43 | 1 24 | 18 24 | 0 31 | 24 17 | 0 26 | 21 47 | 0 7 | 22 6 | 0 40 | 4 31 | 12 4 | 23 38 | 23 40 | 21 5 | | n.a. |
| M 5 | 0 54 | 23 44 | 0 3 | 13 29 | 2 49 | 17 46 | 0 13 | 20 33 | 1 25 | 18 24 | 0 30 | 24 17 | 0 26 | 21 47 | 0 7 | 22 6 | 0 40 | 4 31 | 12 5 | 23 38 | 23 40 | 21 3 | | n.a. |
| T 6 | 0 31 | 20 52 | 1s11 | 13 8 | 2 52 | 17 33 | 0 18 | 20 22 | 1 26 | 18 24 | 0 30 | 24 17 | 0 26 | 21 46 | 0 7 | 22 6 | 0 40 | 4 32 | 12 5 | 23 38 | 23 40 | 21 1 | | n.a. |
| W 7 | 0 8 | 16 43 | 2 22 | 12 45 | 2 53 | 17 21 | 0 23 | 20 10 | 1 26 | 18 23 | 0 30 | 24 17 | 0 26 | 21 46 | 0 7 | 22 6 | 0 40 | 4 33 | 12 5 | 23 38 | 23 40 | 20 59 | | n.a. |
| T 8 | 0n15 | 11 33 | 3 24 | 12 21 | 2 54 | 17 7 | 0 28 | 19 59 | 1 27 | 18 23 | 0 30 | 24 17 | 0 26 | 21 46 | 0 7 | 22 6 | 0 40 | 4 33 | 12 5 | 23 39 | 23 40 | 20 57 | | n.a. |
| F 9 | 0 39 | 5 46 | 4 13 | 11 54 | 2 55 | 16 53 | 0 33 | 19 48 | 1 27 | 18 22 | 0 30 | 24 17 | 0 27 | 21 46 | 0 7 | 22 6 | 0 40 | 4 34 | 12 5 | 23 39 | 23 41 | 20 55 | | n.a. |
| S 10 | 1 2 | 0s17 | 4 46 | 11 26 | 2 54 | 16 39 | 0 38 | 19 36 | 1 28 | 18 22 | 0 30 | 24 17 | 0 27 | 21 46 | 0 7 | 22 6 | 0 40 | 4 35 | 12 5 | 23 40 | 23 41 | 20 53 | | n.a. |
| S 11 | 1 25 | 6 13 | 5 0 | 10 55 | 2 53 | 16 24 | 0 42 | 19 24 | 1 28 | 18 21 | 0 30 | 24 17 | 0 27 | 21 46 | 0 7 | 22 6 | 0 40 | 4 35 | 12 5 | 23 40 | 23 41 | 20 51 | | n.a. |
| M12 | 1 48 | 11 44 | 4 56 | 10 23 | 2 51 | 16 9 | 0 47 | 19 12 | 1 28 | 18 20 | 0 30 | 24 17 | 0 27 | 21 46 | 0 7 | 22 6 | 0 40 | 4 36 | 12 5 | 23 41 | 23 41 | 20 50 | | n.a. |
| T 13 | 2 12 | 16 32 | 4 35 | 9 49 | 2 49 | 15 53 | 0 51 | 19 0 | 1 29 | 18 20 | 0 30 | 24 17 | 0 27 | 21 46 | 0 7 | 22 6 | 0 40 | 4 36 | 12 5 | 23 42 | 23 41 | 20 48 | | n.a. |
| W14 | 2 35 | 20 24 | 4 0 | 9 13 | 2 46 | 15 37 | 0 55 | 18 48 | 1 29 | 18 19 | 0 30 | 24 17 | 0 27 | 21 46 | 0 7 | 22 6 | 0 40 | 4 37 | 12 5 | 23 42 | 23 41 | 20 46 | | n.a. |
| T 15 | 2 58 | 23 9 | 3 14 | 8 35 | 2 42 | 15 20 | 0 59 | 18 35 | 1 30 | 18 18 | 0 30 | 24 17 | 0 27 | 21 45 | 0 7 | 22 6 | 0 40 | 4 38 | 12 5 | 23 43 | 23 42 | 20 44 | | n.a. |
| F 16 | 3 21 | 24 41 | 2 19 | 7 56 | 2 38 | 15 2 | 1 3 | 18 22 | 1 30 | 18 18 | 0 30 | 24 17 | 0 28 | 21 45 | 0 7 | 22 5 | 0 40 | 4 38 | 12 5 | 23 43 | 23 42 | 20 42 | | n.a. |
| S 17 | 3 44 | 25 0 | 1 19 | 7 15 | 2 33 | 14 45 | 1 7 | 18 10 | 1 31 | 18 17 | 0 30 | 24 17 | 0 28 | 21 45 | 0 7 | 22 5 | 0 40 | 4 39 | 12 5 | 23 43 | 23 42 | 20 40 | | n.a. |
| S 18 | 4 7 | 24 8 | 0 16 | 6 32 | 2 27 | 14 26 | 1 11 | 17 57 | 1 31 | 18 16 | 0 30 | 24 17 | 0 28 | 21 45 | 0 7 | 22 5 | 0 40 | 4 39 | 12 5 | 23 43 | 23 42 | 20 38 | | n.a. |
| M19 | 4 30 | 22 11 | 0n46 | 5 48 | 2 21 | 14 8 | 1 14 | 17 43 | 1 32 | 18 15 | 0 29 | 24 17 | 0 28 | 21 45 | 0 7 | 22 5 | 0 40 | 4 40 | 12 5 | 23 43 | 23 42 | 20 36 | | n.a. |
| T 20 | 4 52 | 19 17 | 1 47 | 5 1 | 2 14 | 13 49 | 1 18 | 17 30 | 1 32 | 18 14 | 0 29 | 24 17 | 0 28 | 21 45 | 0 8 | 22 5 | 0 40 | 4 40 | 12 4 | 23 43 | 23 43 | 20 34 | | n.a. |
| W21 | 5 15 | 15 35 | 2 43 | 4 14 | 2 7 | 13 29 | 1 21 | 17 17 | 1 32 | 18 13 | 0 29 | 24 18 | 0 28 | 21 44 | 0 8 | 22 5 | 0 40 | 4 41 | 12 4 | 23 43 | 23 43 | 20 32 | | n.a. |
| T 22 | 5 38 | 11 13 | 3 32 | 3 24 | 2 0 | 13 9 | 1 24 | 17 3 | 1 33 | 18 12 | 0 29 | 24 18 | 0 28 | 21 44 | 0 8 | 22 5 | 0 40 | 4 42 | 12 4 | 23 43 | 23 43 | 20 30 | | n.a. |
| F 23 | 6 0 | 6 22 | 4 13 | 2 34 | 1 51 | 12 49 | 1 27 | 16 50 | 1 33 | 18 11 | 0 29 | 24 18 | 0 28 | 21 44 | 0 8 | 22 5 | 0 40 | 4 42 | 12 4 | 23 44 | 23 43 | 20 28 | | n.a. |
| S 24 | 6 23 | 1 10 | 4 42 | 1 41 | 1 43 | 12 28 | 1 30 | 16 36 | 1 34 | 18 9 | 0 29 | 24 18 | 0 29 | 21 44 | 0 8 | 22 5 | 0 40 | 4 43 | 12 4 | 23 44 | 23 43 | 20 26 | | n.a. |
| S 25 | 6 45 | 4n11 | 4 58 | 0 48 | 1 34 | 12 7 | 1 33 | 16 22 | 1 34 | 18 8 | 0 29 | 24 18 | 0 29 | 21 44 | 0 8 | 22 5 | 0 40 | 4 43 | 12 4 | 23 45 | 23 43 | 20 24 | | n.a. |
| M26 | 7 8 | 9 29 | 4 59 | 0n 7 | 1 24 | 11 46 | 1 36 | 16 8 | 1 34 | 18 7 | 0 29 | 24 18 | 0 29 | 21 43 | 0 8 | 22 5 | 0 40 | 4 44 | 12 4 | 23 46 | 23 44 | 20 22 | | n.a. |
| T 27 | 7 30 | 14 27 | 4 44 | 1 3 | 1 15 | 11 24 | 1 39 | 15 54 | 1 35 | 18 6 | 0 29 | 24 18 | 0 29 | 21 43 | 0 8 | 22 4 | 0 40 | 4 44 | 12 4 | 23 46 | 23 44 | 20 20 | | n.a. |
| W28 | 7 52 | 18 47 | 4 13 | 2 0 | 1 5 | 11 1 | 1 41 | 15 40 | 1 35 | 18 4 | 0 29 | 24 18 | 0 29 | 21 43 | 0 8 | 22 4 | 0 40 | 4 45 | 12 4 | 23 47 | 23 44 | 20 18 | | n.a. |
| T 29 | 8 14 | 22 11 | 3 27 | 2 58 | 0 54 | 10 39 | 1 44 | 15 25 | 1 36 | 18 3 | 0 29 | 24 18 | 0 29 | 21 43 | 0 8 | 22 4 | 0 40 | 4 45 | 12 4 | 23 47 | 23 44 | 20 16 | | n.a. |
| F 30 | 8n36 | 24n18 | 2n28 | 3n56 | 0s44 | 10s16 | 1s46 | 15s11 | 1s36 | 18s 2 | 0n28 | 24s19 | 0s29 | 21s42 | 0s 8 | 22s 4 | 0n40 | 4n46 | 12n 4 | 23s47 | 23s44 | 20s14 | | n.a. |

Julian Day Number = 1007449.5, Delta T = 12h43m58s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'29, Lahiri = -30°54'29 Julian Calendar 1 Apr. 1955 BCE == Greg. Calendar 15 March 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## MAY 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 28 23 | 22♈34'35 | 20♊45 | 13♈30 | 9♓22 | 25♒ 2 | 21°R21 | 5♉ 8 | 5°R 5 | 12°R20 | 15°R46 | 5°R49 | 6♉48 | 24♉ 8 | n.a. | S 1 |
| S 2 | 13 32 19 | 23°31'41 | 4♋49 | 15°36 | 10°28 | 25°46 | 21♏15 | 5° 8 | 5♐ 4 | 12♐19 | 15♎45 | 5°D48 | 6°45 | 24°15 | n.a. | S 2 |
| M 3 | 13 36 16 | 24°28'46 | 18°56 | 17°44 | 11°34 | 26°29 | 21° 9 | 5°R 8 | 5° 2 | 12°18 | 15°43 | 5°R48 | 6°41 | 24°22 | n.a. | M 3 |
| T 4 | 13 40 13 | 25°25'51 | 3♌ 4 | 19°52 | 12°40 | 27°12 | 21° 3 | 5° 8 | 5° 0 | 12°17 | 15°41 | 5♉48 | 6°38 | 24°28 | n.a. | T 4 |
| W 5 | 13 44 9 | 26°22'55 | 17°13 | 22° 2 | 13°47 | 27°55 | 20°56 | 5° 8 | 4°59 | 12°16 | 15°40 | 5°46 | 6°35 | 24°35 | n.a. | W 5 |
| T 6 | 13 48 6 | 27°19'58 | 1♍21 | 24°13 | 14°53 | 28°38 | 20°50 | 5° 8 | 4°57 | 12°15 | 15°38 | 5°43 | 6°32 | 24°42 | n.a. | T 6 |
| F 7 | 13 52 2 | 28°17'01 | 15°24 | 26°23 | 16° 0 | 29°21 | 20°44 | 5° 8 | 4°55 | 12°14 | 15°37 | 5°36 | 6°29 | 24°48 | n.a. | F 7 |
| S 8 | 13 55 59 | 29°14'03 | 29°22 | 28°35 | 17° 7 | 0♓ 4 | 20°37 | 5° 7 | 4°54 | 12°13 | 15°35 | 5°28 | 6°26 | 24°55 | n.a. | S 8 |
| S 9 | 13 59 55 | 0♉11'05 | 13♎ 8 | 0♉46 | 18°13 | 0°47 | 20°30 | 5° 7 | 4°52 | 12°12 | 15°33 | 5°18 | 6°22 | 25° 2 | n.a. | S 9 |
| M10 | 14 3 52 | 1° 8'06 | 26°41 | 2°56 | 19°21 | 1°29 | 20°24 | 5° 6 | 4°50 | 12°10 | 15°32 | 5° 8 | 6°19 | 25° 8 | n.a. | M10 |
| T 11 | 14 7 49 | 2° 5'08 | 9♏58 | 5° 6 | 20°28 | 2°12 | 20°17 | 5° 5 | 4°48 | 12° 9 | 15°30 | 4°58 | 6°16 | 25°15 | n.a. | T 11 |
| W12 | 14 11 45 | 3° 2'09 | 22°56 | 7°16 | 21°35 | 2°55 | 20°10 | 5° 4 | 4°46 | 12° 8 | 15°29 | 4°50 | 6°13 | 25°22 | n.a. | W12 |
| T 13 | 14 15 42 | 3°59'10 | 5♐35 | 9°24 | 22°43 | 3°37 | 20° 3 | 5° 3 | 4°44 | 12° 7 | 15°27 | 4°44 | 6°10 | 25°28 | n.a. | T 13 |
| F 14 | 14 19 38 | 4°56'12 | 17°58 | 11°31 | 23°50 | 4°19 | 19°56 | 5° 2 | 4°42 | 12° 6 | 15°26 | 4°40 | 6° 6 | 25°35 | n.a. | F 14 |
| S 15 | 14 23 35 | 5°53'13 | 0♑ 6 | 13°36 | 24°58 | 5° 2 | 19°48 | 5° 1 | 4°40 | 12° 5 | 15°24 | 4°D39 | 6° 3 | 25°42 | n.a. | S 15 |
| S 16 | 14 27 31 | 6°50'15 | 12° 3 | 15°40 | 26° 6 | 5°44 | 19°41 | 5° 0 | 4°38 | 12° 3 | 15°23 | 4°39 | 6° 0 | 25°48 | n.a. | S 16 |
| M17 | 14 31 28 | 7°47'17 | 23°53 | 17°43 | 27°14 | 6°26 | 19°34 | 4°59 | 4°36 | 12° 2 | 15°21 | 4°40 | 5°57 | 25°55 | n.a. | M17 |
| T 18 | 14 35 25 | 8°44'20 | 5♒42 | 19°43 | 28°22 | 7° 8 | 19°26 | 4°57 | 4°34 | 12° 1 | 15°20 | 4°R40 | 5°54 | 26° 1 | n.a. | T 18 |
| W19 | 14 39 21 | 9°41'22 | 17°36 | 21°42 | 29°30 | 7°50 | 19°19 | 4°56 | 4°32 | 12° 0 | 15°18 | 4°40 | 5°51 | 26° 8 | n.a. | W19 |
| T 20 | 14 43 18 | 10°38'26 | 29°38 | 23°39 | 0♈38 | 8°32 | 19°11 | 4°54 | 4°30 | 11°58 | 15°17 | 4°38 | 5°47 | 26°15 | n.a. | T 20 |
| F 21 | 14 47 14 | 11°35'29 | 11♓54 | 25°34 | 1°47 | 9°14 | 19° 4 | 4°52 | 4°28 | 11°57 | 15°16 | 4°34 | 5°44 | 26°21 | n.a. | F 21 |
| S 22 | 14 51 11 | 12°32'33 | 24°28 | 27°27 | 2°55 | 9°55 | 18°56 | 4°50 | 4°26 | 11°56 | 15°14 | 4°28 | 5°41 | 26°28 | n.a. | S 22 |
| S 23 | 14 55 7 | 13°29'37 | 7♈22 | 29°18 | 4° 4 | 10°37 | 18°49 | 4°49 | 4°24 | 11°54 | 15°13 | 4°21 | 5°38 | 26°35 | n.a. | S 23 |
| M24 | 14 59 4 | 14°26'42 | 20°38 | 1♊ 8 | 5°13 | 11°18 | 18°41 | 4°47 | 4°21 | 11°53 | 15°11 | 4°13 | 5°35 | 26°41 | n.a. | M24 |
| T 25 | 15 3 0 | 15°23'48 | 4♉15 | 2°55 | 6°21 | 12° 0 | 18°33 | 4°45 | 4°19 | 11°51 | 15°10 | 4° 5 | 5°31 | 26°48 | n.a. | T 25 |
| W26 | 15 6 57 | 16°20'53 | 18°11 | 4°40 | 7°30 | 12°41 | 18°26 | 4°42 | 4°17 | 11°50 | 15° 9 | 3°57 | 5°28 | 26°55 | n.a. | W26 |
| T 27 | 15 10 54 | 17°18'00 | 2♊21 | 6°24 | 8°39 | 13°22 | 18°18 | 4°40 | 4°15 | 11°49 | 15° 7 | 3°52 | 5°25 | 27° 1 | n.a. | T 27 |
| F 28 | 15 14 50 | 18°15'06 | 16°40 | 8° 5 | 9°48 | 14° 4 | 18°10 | 4°38 | 4°12 | 11°47 | 15° 6 | 3°49 | 5°22 | 27° 8 | n.a. | F 28 |
| S 29 | 15 18 47 | 19°12'13 | 1♋ 5 | 9°44 | 10°58 | 14°45 | 18° 2 | 4°35 | 4°10 | 11°46 | 15° 5 | 3°D48 | 5°19 | 27°15 | n.a. | S 29 |
| S 30 | 15 22 43 | 20° 9'21 | 15°29 | 11°22 | 12° 7 | 15°25 | 17°55 | 4°33 | 4° 8 | 11°44 | 15° 4 | 3°48 | 5°16 | 27°21 | n.a. | S 30 |
| M31 | 15 26 40 | 21♉ 6'28 | 29♋49 | 12♊57 | 13♈16 | 16♓ 6 | 17♏47 | 4♑30 | 4♐ 5 | 11♐43 | 15♎ 2 | 3♑49 | 5♑12 | 27♑28 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 8n57 | 24n54 | 1n19 | 4n56 | 0s33 | 9s53 | 1s48 | 14s56 | 1s36 | 18s 0 | 0n28 | 24s19 | 0s30 | 21s42 | 0s 8 | 22s 4 | 0n40 | 4n46 | 12n 3 | 23s47 | 23s44 | 20s12 | | n.a. |
| S 2 | 9 19 | 23 55 | 0 5 | 5 55 | 0 22 | 9 29 | 1 50 | 14 42 | 1 37 | 17 59 | 0 28 | 24 19 | 0 30 | 21 42 | 0 8 | 22 4 | 0 40 | 4 47 | 12 3 | 23 47 | 23 45 | 20 10 | | n.a. |
| M 3 | 9 40 | 21 25 | 1s 9 | 6 55 | 0 11 | 9 5 | 1 52 | 14 27 | 1 37 | 17 57 | 0 28 | 24 19 | 0 30 | 21 42 | 0 8 | 22 4 | 0 40 | 4 47 | 12 3 | 23 47 | 23 45 | 20 8 | | n.a. |
| T 4 | 10 2 | 17 36 | 2 20 | 7 55 | 0 1 | 8 41 | 1 54 | 14 12 | 1 37 | 17 56 | 0 28 | 24 19 | 0 30 | 21 41 | 0 8 | 22 4 | 0 40 | 4 48 | 12 3 | 23 47 | 23 45 | 20 6 | | n.a. |
| W 5 | 10 23 | 12 47 | 3 21 | 8 54 | 0n10 | 8 17 | 1 56 | 13 57 | 1 37 | 17 54 | 0 28 | 24 19 | 0 30 | 21 41 | 0 8 | 22 4 | 0 40 | 4 48 | 12 3 | 23 47 | 23 45 | 20 4 | | n.a. |
| T 6 | 10 44 | 7 19 | 4 11 | 9 53 | 0 20 | 7 52 | 1 57 | 13 42 | 1 38 | 17 53 | 0 28 | 24 19 | 0 30 | 21 41 | 0 8 | 22 3 | 0 40 | 4 49 | 12 3 | 23 48 | 23 45 | 20 2 | | n.a. |
| F 7 | 11 5 | 1 30 | 4 45 | 10 51 | 0 31 | 7 27 | 1 59 | 13 27 | 1 38 | 17 51 | 0 28 | 24 20 | 0 30 | 21 40 | 0 8 | 22 3 | 0 40 | 4 49 | 12 2 | 23 48 | 23 45 | 20 0 | | n.a. |
| S 8 | 11 25 | 4s20 | 5 1 | 11 49 | 0 40 | 7 2 | 2 0 | 13 12 | 1 38 | 17 49 | 0 28 | 24 20 | 0 31 | 21 40 | 0 8 | 22 3 | 0 40 | 4 49 | 12 2 | 23 48 | 23 46 | 19 58 | | n.a. |
| S 9 | 11 46 | 9 53 | 5 0 | 12 45 | 0 50 | 6 36 | 2 2 | 12 57 | 1 39 | 17 48 | 0 27 | 24 20 | 0 31 | 21 40 | 0 8 | 22 3 | 0 40 | 4 50 | 12 2 | 23 49 | 23 46 | 19 56 | | n.a. |
| M10 | 12 6 | 14 52 | 4 42 | 13 39 | 0 59 | 6 11 | 2 3 | 12 42 | 1 39 | 17 46 | 0 27 | 24 20 | 0 31 | 21 39 | 0 8 | 22 3 | 0 40 | 4 50 | 12 2 | 23 49 | 23 46 | 19 54 | | n.a. |
| T 11 | 12 26 | 19 1 | 4 9 | 14 32 | 1 7 | 5 45 | 2 4 | 12 26 | 1 39 | 17 44 | 0 27 | 24 20 | 0 31 | 21 39 | 0 8 | 22 3 | 0 40 | 4 51 | 12 2 | 23 49 | 23 46 | 19 52 | | n.a. |
| W12 | 12 46 | 22 9 | 3 24 | 15 24 | 1 15 | 5 18 | 2 5 | 12 11 | 1 39 | 17 42 | 0 27 | 24 20 | 0 31 | 21 39 | 0 8 | 22 2 | 0 40 | 4 51 | 12 1 | 23 50 | 23 46 | 19 50 | | n.a. |
| T 13 | 13 6 | 24 6 | 2 29 | 16 13 | 1 23 | 4 52 | 2 6 | 11 55 | 1 40 | 17 41 | 0 27 | 24 21 | 0 31 | 21 38 | 0 8 | 22 2 | 0 40 | 4 52 | 12 1 | 23 50 | 23 46 | 19 48 | | n.a. |
| F 14 | 13 26 | 24 50 | 1 28 | 17 0 | 1 30 | 4 25 | 2 6 | 11 40 | 1 40 | 17 39 | 0 27 | 24 21 | 0 31 | 21 38 | 0 8 | 22 2 | 0 40 | 4 52 | 12 1 | 23 50 | 23 47 | 19 46 | | n.a. |
| S 15 | 13 45 | 24 20 | 0 24 | 17 45 | 1 36 | 3 59 | 2 7 | 11 24 | 1 40 | 17 37 | 0 27 | 24 21 | 0 32 | 21 38 | 0 8 | 22 2 | 0 40 | 4 52 | 12 1 | 23 50 | 23 47 | 19 44 | | n.a. |
| S 16 | 14 4 | 22 42 | 0n40 | 18 28 | 1 41 | 3 32 | 2 8 | 11 8 | 1 40 | 17 35 | 0 26 | 24 21 | 0 32 | 21 37 | 0 8 | 22 2 | 0 40 | 4 53 | 12 1 | 23 50 | 23 47 | 19 42 | | n.a. |
| M17 | 14 23 | 20 6 | 1 41 | 19 9 | 1 46 | 3 4 | 2 8 | 10 53 | 1 40 | 17 33 | 0 26 | 24 21 | 0 32 | 21 37 | 0 8 | 22 2 | 0 40 | 4 53 | 12 0 | 23 50 | 23 47 | 19 40 | | n.a. |
| T 18 | 14 42 | 16 39 | 2 39 | 19 47 | 1 50 | 2 37 | 2 8 | 10 37 | 1 41 | 17 31 | 0 26 | 24 21 | 0 32 | 21 37 | 0 8 | 22 1 | 0 40 | 4 53 | 12 0 | 23 50 | 23 47 | 19 37 | | n.a. |
| W19 | 15 0 | 12 33 | 3 30 | 20 23 | 1 54 | 2 10 | 2 9 | 10 21 | 1 41 | 17 29 | 0 26 | 24 22 | 0 32 | 21 36 | 0 8 | 22 1 | 0 40 | 4 54 | 12 0 | 23 50 | 23 47 | 19 35 | | n.a. |
| T 20 | 15 19 | 7 54 | 4 12 | 20 56 | 1 56 | 1 42 | 2 9 | 10 5 | 1 41 | 17 27 | 0 26 | 24 22 | 0 32 | 21 36 | 0 8 | 22 1 | 0 40 | 4 54 | 12 0 | 23 50 | 23 47 | 19 33 | | n.a. |
| F 21 | 15 37 | 2 53 | 4 44 | 21 27 | 1 58 | 1 15 | 2 9 | 9 49 | 1 41 | 17 25 | 0 26 | 24 22 | 0 32 | 21 35 | 0 8 | 22 1 | 0 40 | 4 54 | 11 59 | 23 50 | 23 48 | 19 31 | | n.a. |
| S 22 | 15 55 | 2n22 | 5 2 | 21 56 | 2 0 | 0 47 | 2 9 | 9 34 | 1 41 | 17 23 | 0 26 | 24 22 | 0 33 | 21 35 | 0 8 | 22 1 | 0 40 | 4 54 | 11 59 | 23 51 | 23 48 | 19 29 | | n.a. |
| S 23 | 16 12 | 7 39 | 5 7 | 22 22 | 2 1 | 0 19 | 2 9 | 9 18 | 1 41 | 17 21 | 0 25 | 24 22 | 0 33 | 21 35 | 0 8 | 22 1 | 0 40 | 4 55 | 11 59 | 23 51 | 23 48 | 19 27 | | n.a. |
| M24 | 16 30 | 12 45 | 4 55 | 22 46 | 2 1 | 0n 9 | 2 8 | 9 2 | 1 42 | 17 19 | 0 25 | 24 23 | 0 33 | 21 34 | 0 8 | 22 0 | 0 40 | 4 55 | 11 58 | 23 51 | 23 48 | 19 25 | | n.a. |
| T 25 | 16 47 | 17 21 | 4 26 | 23 8 | 2 0 | 0 37 | 2 8 | 8 46 | 1 42 | 17 17 | 0 25 | 24 23 | 0 33 | 21 34 | 0 8 | 22 0 | 0 40 | 4 55 | 11 58 | 23 51 | 23 48 | 19 23 | | n.a. |
| W26 | 17 4 | 21 7 | 3 41 | 23 27 | 1 59 | 1 5 | 2 8 | 8 30 | 1 42 | 17 15 | 0 25 | 24 23 | 0 33 | 21 33 | 0 8 | 22 0 | 0 40 | 4 56 | 11 58 | 23 52 | 23 48 | 19 21 | | n.a. |
| T 27 | 17 20 | 23 41 | 2 42 | 23 44 | 1 58 | 1 33 | 2 7 | 8 14 | 1 42 | 17 13 | 0 25 | 24 23 | 0 33 | 21 33 | 0 8 | 22 0 | 0 40 | 4 56 | 11 58 | 23 52 | 23 48 | 19 19 | | n.a. |
| F 28 | 17 36 | 24 45 | 1 31 | 24 0 | 1 55 | 2 1 | 2 7 | 7 58 | 1 42 | 17 11 | 0 25 | 24 24 | 0 33 | 21 33 | 0 8 | 22 0 | 0 40 | 4 56 | 11 57 | 23 52 | 23 49 | 19 17 | | n.a. |
| S 29 | 17 52 | 24 10 | 0 15 | 24 13 | 1 53 | 2 30 | 2 6 | 7 41 | 1 42 | 17 9 | 0 25 | 24 24 | 0 33 | 21 32 | 0 8 | 21 59 | 0 40 | 4 56 | 11 57 | 23 52 | 23 49 | 19 14 | | n.a. |
| S 30 | 18 8 | 21 58 | 1s 3 | 24 24 | 1 49 | 2 58 | 2 5 | 7 25 | 1 42 | 17 7 | 0 24 | 24 24 | 0 34 | 21 32 | 0 8 | 21 59 | 0 40 | 4 56 | 11 57 | 23 52 | 23 49 | 19 12 | | n.a. |
| M31 | 18n24 | 18n22 | 2s16 | 24n33 | 1n45 | 3n26 | 2s 4 | 7s 9 | 1s42 | 17s 5 | 0n24 | 24s24 | 0s34 | 21s31 | 0s 8 | 21s59 | 0n40 | 4n57 | 11n56 | 23s52 | 23s49 | 19s10 | | n.a. |

Julian Day Number = 1007479.5, Delta T = 12h43m56s
Ecliptic obliquity = 23°55'12, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'25, Lahiri = -30°54'25 Julian Calendar 1 May 1955 BCE == Greg. Calendar 14 Apr. 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## JUNE 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 15 30 36 | 22♉ 3'36 | 14♌ 3 | 14♊31 | 14♈26 | 16♓47 | 17°R39 | 4°R28 | 4°R 3 | 11°R41 | 15°R 1 | 3♑50 | 5♑ 9 | 27♑35 | n.a. | T 1 |
| W 2 | 15 34 33 | 23° 0'44 | 28° 9 | 16° 2 | 15°35 | 17°28 | 17♏32 | 4♑25 | 4♐ 1 | 11♐40 | 15♎ 0 | 3°R51 | 5° 6 | 27°41 | n.a. | W 2 |
| T 3 | 15 38 30 | 23°57'52 | 12♍ 6 | 17°31 | 16°45 | 18° 8 | 17°24 | 4°22 | 3°58 | 11°38 | 14°59 | 3°49 | 5° 3 | 27°48 | n.a. | T 3 |
| F 4 | 15 42 26 | 24°55'01 | 25°52 | 18°59 | 17°55 | 18°48 | 17°16 | 4°19 | 3°56 | 11°37 | 14°58 | 3°46 | 5° 0 | 27°55 | n.a. | F 4 |
| S 5 | 15 46 23 | 25°52'10 | 9♎26 | 20°24 | 19° 4 | 19°29 | 17° 9 | 4°16 | 3°54 | 11°35 | 14°57 | 3°41 | 4°57 | 28° 1 | n.a. | S 5 |
| S 6 | 15 50 19 | 26°49'19 | 22°48 | 21°47 | 20°14 | 20° 9 | 17° 1 | 4°13 | 3°51 | 11°34 | 14°55 | 3°36 | 4°53 | 28° 8 | n.a. | S 6 |
| M 7 | 15 54 16 | 27°46'29 | 5♏57 | 23° 8 | 21°24 | 20°49 | 16°54 | 4°10 | 3°49 | 11°32 | 14°54 | 3°30 | 4°50 | 28°15 | n.a. | M 7 |
| T 8 | 15 58 12 | 28°43'40 | 18°51 | 24°27 | 22°34 | 21°29 | 16°47 | 4° 7 | 3°47 | 11°30 | 14°53 | 3°25 | 4°47 | 28°21 | n.a. | T 8 |
| W 9 | 16 2 9 | 29°40'52 | 1♐31 | 25°44 | 23°44 | 22° 9 | 16°39 | 4° 3 | 3°44 | 11°29 | 14°52 | 3°20 | 4°44 | 28°28 | n.a. | W 9 |
| T 10 | 16 6 5 | 0♊38'04 | 13°57 | 26°58 | 24°55 | 22°49 | 16°32 | 4° 0 | 3°42 | 11°27 | 14°51 | 3°17 | 4°41 | 28°35 | n.a. | T 10 |
| F 11 | 16 10 2 | 1°35'18 | 26°10 | 28°10 | 26° 5 | 23°28 | 16°25 | 3°57 | 3°39 | 11°26 | 14°50 | 3°15 | 4°37 | 28°41 | n.a. | F 11 |
| S 12 | 16 13 59 | 2°32'33 | 8♑12 | 29°20 | 27°15 | 24° 8 | 16°18 | 3°53 | 3°37 | 11°24 | 14°49 | 3°D15 | 4°34 | 28°48 | n.a. | S 12 |
| S 13 | 16 17 55 | 3°29'48 | 20° 6 | 0♋27 | 28°26 | 24°47 | 16°10 | 3°50 | 3°35 | 11°22 | 14°48 | 3°16 | 4°31 | 28°55 | n.a. | S 13 |
| M14 | 16 21 52 | 4°27'05 | 1♒56 | 1°32 | 29°36 | 25°26 | 16° 3 | 3°46 | 3°32 | 11°21 | 14°48 | 3°18 | 4°28 | 29° 1 | n.a. | M14 |
| T 15 | 16 25 48 | 5°24'23 | 13°45 | 2°34 | 0♉47 | 26° 5 | 15°57 | 3°42 | 3°30 | 11°19 | 14°47 | 3°20 | 4°25 | 29° 8 | n.a. | T 15 |
| W16 | 16 29 45 | 6°21'43 | 25°38 | 3°33 | 1°58 | 26°45 | 15°50 | 3°39 | 3°27 | 11°18 | 14°46 | 3°21 | 4°22 | 29°15 | n.a. | W16 |
| T 17 | 16 33 41 | 7°19'03 | 7♓40 | 4°29 | 3° 8 | 27°23 | 15°43 | 3°35 | 3°25 | 11°16 | 14°45 | 3°R21 | 4°18 | 29°21 | n.a. | T 17 |
| F 18 | 16 37 38 | 8°16'25 | 19°56 | 5°22 | 4°19 | 28° 2 | 15°36 | 3°31 | 3°23 | 11°14 | 14°44 | 3°21 | 4°15 | 29°28 | n.a. | F 18 |
| S 19 | 16 41 35 | 9°13'48 | 2♈30 | 6°12 | 5°30 | 28°41 | 15°30 | 3°27 | 3°20 | 11°13 | 14°43 | 3°19 | 4°12 | 29°35 | n.a. | S 19 |
| S 20 | 16 45 31 | 10°11'13 | 15°26 | 6°59 | 6°41 | 29°19 | 15°24 | 3°23 | 3°18 | 11°11 | 14°43 | 3°17 | 4° 9 | 29°41 | n.a. | S 20 |
| M21 | 16 49 28 | 11° 8'39 | 28°46 | 7°42 | 7°52 | 29°58 | 15°17 | 3°19 | 3°16 | 11° 9 | 14°42 | 3°14 | 4° 6 | 29°48 | n.a. | M21 |
| T 22 | 16 53 24 | 12° 6'07 | 12♉30 | 8°22 | 9° 4 | 0♈36 | 15°11 | 3°15 | 3°13 | 11° 8 | 14°41 | 3°11 | 4° 3 | 29°55 | n.a. | T 22 |
| W23 | 16 57 21 | 13° 3'36 | 26°39 | 8°57 | 10°15 | 1°14 | 15° 5 | 3°11 | 3°11 | 11° 6 | 14°41 | 3° 8 | 3°59 | 0♒ 1 | n.a. | W23 |
| T 24 | 17 1 17 | 14° 1'07 | 11♊ 6 | 9°29 | 11°26 | 1°52 | 14°59 | 3° 7 | 3° 8 | 11° 5 | 14°40 | 3° 6 | 3°56 | 0° 8 | n.a. | T 24 |
| F 25 | 17 5 14 | 14°58'39 | 25°48 | 9°56 | 12°37 | 2°30 | 14°54 | 3° 2 | 3° 6 | 11° 3 | 14°39 | 3°D 5 | 3°53 | 0°15 | n.a. | F 25 |
| S 26 | 17 9 10 | 15°56'12 | 10♋36 | 10°19 | 13°49 | 3° 8 | 14°48 | 2°58 | 3° 4 | 11° 1 | 14°39 | 3° 5 | 3°50 | 0°21 | n.a. | S 26 |
| S 27 | 17 13 7 | 16°53'47 | 25°25 | 10°38 | 15° 0 | 3°45 | 14°42 | 2°54 | 3° 1 | 11° 0 | 14°38 | 3° 6 | 3°47 | 0°28 | n.a. | S 27 |
| M28 | 17 17 4 | 17°51'22 | 10♌ 6 | 10°51 | 16°12 | 4°23 | 14°37 | 2°50 | 2°59 | 10°58 | 14°38 | 3° 7 | 3°43 | 0°34 | n.a. | M28 |
| T 29 | 17 21 0 | 18°48'59 | 24°36 | 10°59 | 17°24 | 5° 0 | 14°32 | 2°45 | 2°57 | 10°56 | 14°37 | 3° 8 | 3°40 | 0°41 | n.a. | T 29 |
| W30 | 17 24 57 | 19♊46'37 | 8♍49 | 11°R 3 | 18♉35 | 5♈37 | 14♏27 | 2♑41 | 2♐55 | 10♐55 | 14♎37 | 3♑ 9 | 3♑37 | 0♒48 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 18n39 | 13n44 | 3s21 | 24n40 | 1n41 | 3n54 | 2s 4 | 6s53 | 1s42 | 17s 3 | 0n24 | 24s24 | 0s34 | 21s31 | 0s 8 | 21s59 | 0n40 | 4n57 | 11n56 | 23s52 | 23s49 | 19s 8 | | n.a. |
| W 2 | 18 54 | 8 25 | 4 13 | 24 46 | 1 36 | 4 23 | 2 3 | 6 37 | 1 43 | 17 1 | 0 24 | 24 25 | 0 34 | 21 30 | 0 8 | 21 59 | 0 40 | 4 57 | 11 56 | 23 52 | 23 49 | 19 6 | | n.a. |
| T 3 | 19 8 | 2 43 | 4 49 | 24 49 | 1 30 | 4 51 | 2 1 | 6 21 | 1 43 | 16 59 | 0 24 | 24 25 | 0 34 | 21 30 | 0 8 | 21 58 | 0 40 | 4 57 | 11 55 | 23 52 | 23 49 | 19 4 | | n.a. |
| F 4 | 19 23 | 3s 1 | 5 8 | 24 51 | 1 25 | 5 19 | 2 0 | 6 5 | 1 43 | 16 57 | 0 23 | 24 25 | 0 34 | 21 30 | 0 8 | 21 58 | 0 40 | 4 57 | 11 55 | 23 52 | 23 49 | 19 2 | | n.a. |
| S 5 | 19 37 | 8 32 | 5 9 | 24 52 | 1 18 | 5 47 | 1 59 | 5 49 | 1 43 | 16 55 | 0 23 | 24 25 | 0 34 | 21 29 | 0 8 | 21 58 | 0 40 | 4 57 | 11 55 | 23 52 | 23 50 | 19 0 | | n.a. |
| S 6 | 19 50 | 13 34 | 4 53 | 24 51 | 1 11 | 6 15 | 1 58 | 5 33 | 1 43 | 16 53 | 0 23 | 24 26 | 0 35 | 21 29 | 0 8 | 21 58 | 0 40 | 4 57 | 11 54 | 23 52 | 23 50 | 18 57 | | n.a. |
| M 7 | 20 4 | 17 53 | 4 23 | 24 48 | 1 4 | 6 43 | 1 56 | 5 17 | 1 43 | 16 51 | 0 23 | 24 26 | 0 35 | 21 28 | 0 8 | 21 58 | 0 40 | 4 57 | 11 54 | 23 52 | 23 50 | 18 55 | | n.a. |
| T 8 | 20 17 | 21 16 | 3 39 | 24 44 | 0 56 | 7 11 | 1 55 | 5 1 | 1 43 | 16 49 | 0 23 | 24 26 | 0 35 | 21 28 | 0 8 | 21 57 | 0 40 | 4 57 | 11 53 | 23 52 | 23 50 | 18 53 | | n.a. |
| W 9 | 20 29 | 23 34 | 2 45 | 24 39 | 0 48 | 7 39 | 1 53 | 4 45 | 1 43 | 16 47 | 0 23 | 24 26 | 0 35 | 21 27 | 0 8 | 21 57 | 0 40 | 4 57 | 11 53 | 23 53 | 23 50 | 18 51 | | n.a. |
| T 10 | 20 42 | 24 39 | 1 44 | 24 32 | 0 39 | 8 6 | 1 52 | 4 29 | 1 43 | 16 45 | 0 22 | 24 27 | 0 35 | 21 27 | 0 8 | 21 57 | 0 40 | 4 58 | 11 53 | 23 53 | 23 50 | 18 49 | | n.a. |
| F 11 | 20 54 | 24 30 | 0 39 | 24 25 | 0 30 | 8 34 | 1 50 | 4 13 | 1 43 | 16 43 | 0 22 | 24 27 | 0 35 | 21 26 | 0 8 | 21 57 | 0 40 | 4 58 | 11 52 | 23 53 | 23 50 | 18 47 | | n.a. |
| S 12 | 21 5 | 23 12 | 0n27 | 24 16 | 0 21 | 9 1 | 1 48 | 3 57 | 1 43 | 16 42 | 0 22 | 24 27 | 0 35 | 21 26 | 0 8 | 21 57 | 0 40 | 4 58 | 11 52 | 23 53 | 23 50 | 18 45 | | n.a. |
| S 13 | 21 16 | 20 53 | 1 31 | 24 6 | 0 11 | 9 28 | 1 47 | 3 41 | 1 43 | 16 40 | 0 22 | 24 27 | 0 35 | 21 25 | 0 8 | 21 56 | 0 40 | 4 58 | 11 52 | 23 53 | 23 50 | 18 42 | | n.a. |
| M14 | 21 27 | 17 41 | 2 31 | 23 55 | 0 1 | 9 55 | 1 45 | 3 25 | 1 43 | 16 38 | 0 22 | 24 27 | 0 36 | 21 25 | 0 8 | 21 56 | 0 40 | 4 58 | 11 51 | 23 53 | 23 51 | 18 40 | | n.a. |
| T 15 | 21 38 | 13 46 | 3 24 | 23 44 | 0s10 | 10 22 | 1 43 | 3 9 | 1 43 | 16 36 | 0 21 | 24 28 | 0 36 | 21 25 | 0 8 | 21 56 | 0 40 | 4 57 | 11 51 | 23 53 | 23 51 | 18 38 | | n.a. |
| W16 | 21 48 | 9 20 | 4 9 | 23 32 | 0 21 | 10 49 | 1 41 | 2 53 | 1 43 | 16 34 | 0 21 | 24 28 | 0 36 | 21 24 | 0 8 | 21 56 | 0 40 | 4 57 | 11 50 | 23 53 | 23 51 | 18 36 | | n.a. |
| T 17 | 21 58 | 4 29 | 4 44 | 23 19 | 0 32 | 11 16 | 1 39 | 2 37 | 1 43 | 16 32 | 0 21 | 24 28 | 0 36 | 21 24 | 0 8 | 21 55 | 0 40 | 4 57 | 11 50 | 23 53 | 23 51 | 18 34 | | n.a. |
| F 18 | 22 8 | 0n37 | 5 6 | 23 5 | 0 43 | 11 42 | 1 37 | 2 21 | 1 42 | 16 31 | 0 21 | 24 28 | 0 36 | 21 23 | 0 8 | 21 55 | 0 40 | 4 57 | 11 50 | 23 53 | 23 51 | 18 32 | | n.a. |
| S 19 | 22 17 | 5 48 | 5 15 | 22 52 | 0 55 | 12 8 | 1 35 | 2 6 | 1 42 | 16 29 | 0 21 | 24 29 | 0 36 | 21 23 | 0 8 | 21 55 | 0 40 | 4 57 | 11 49 | 23 53 | 23 51 | 18 29 | | n.a. |
| S 20 | 22 25 | 10 54 | 5 8 | 22 37 | 1 7 | 12 34 | 1 32 | 1 50 | 1 42 | 16 27 | 0 21 | 24 29 | 0 36 | 21 22 | 0 8 | 21 55 | 0 40 | 4 57 | 11 49 | 23 53 | 23 51 | 18 27 | | n.a. |
| M21 | 22 34 | 15 40 | 4 44 | 22 23 | 1 19 | 13 0 | 1 30 | 1 34 | 1 42 | 16 25 | 0 20 | 24 29 | 0 36 | 21 22 | 0 8 | 21 55 | 0 40 | 4 57 | 11 48 | 23 53 | 23 51 | 18 25 | | n.a. |
| T 22 | 22 42 | 19 46 | 4 4 | 22 8 | 1 31 | 13 25 | 1 28 | 1 19 | 1 42 | 16 24 | 0 20 | 24 29 | 0 37 | 21 21 | 0 8 | 21 54 | 0 40 | 4 57 | 11 48 | 23 53 | 23 51 | 18 23 | | n.a. |
| W23 | 22 49 | 22 50 | 3 8 | 21 53 | 1 44 | 13 50 | 1 26 | 1 3 | 1 42 | 16 22 | 0 20 | 24 30 | 0 37 | 21 21 | 0 8 | 21 54 | 0 40 | 4 57 | 11 47 | 23 53 | 23 51 | 18 21 | | n.a. |
| T 24 | 22 56 | 24 31 | 1 59 | 21 38 | 1 56 | 14 15 | 1 23 | 0 48 | 1 42 | 16 21 | 0 20 | 24 30 | 0 37 | 21 20 | 0 8 | 21 54 | 0 40 | 4 57 | 11 47 | 23 53 | 23 52 | 18 18 | | n.a. |
| F 25 | 23 3 | 24 31 | 0 40 | 21 24 | 2 9 | 14 39 | 1 21 | 0 32 | 1 42 | 16 19 | 0 20 | 24 30 | 0 37 | 21 20 | 0 8 | 21 54 | 0 40 | 4 56 | 11 47 | 23 53 | 23 52 | 18 16 | | n.a. |
| S 26 | 23 10 | 22 48 | 0s42 | 21 9 | 2 22 | 15 3 | 1 18 | 0 17 | 1 42 | 16 18 | 0 19 | 24 30 | 0 37 | 21 20 | 0 8 | 21 53 | 0 40 | 4 56 | 11 46 | 23 53 | 23 52 | 18 14 | | n.a. |
| S 27 | 23 16 | 19 31 | 2 0 | 20 55 | 2 34 | 15 27 | 1 16 | 0 1 | 1 41 | 16 16 | 0 19 | 24 30 | 0 37 | 21 19 | 0 8 | 21 53 | 0 40 | 4 56 | 11 46 | 23 53 | 23 52 | 18 12 | | n.a. |
| M28 | 23 21 | 15 0 | 3 11 | 20 42 | 2 47 | 15 51 | 1 13 | 0n14 | 1 41 | 16 15 | 0 19 | 24 31 | 0 37 | 21 19 | 0 8 | 21 53 | 0 40 | 4 56 | 11 45 | 23 53 | 23 52 | 18 10 | | n.a. |
| T 29 | 23 26 | 9 42 | 4 8 | 20 29 | 2 59 | 16 14 | 1 11 | 0 29 | 1 41 | 16 13 | 0 19 | 24 31 | 0 37 | 21 18 | 0 8 | 21 53 | 0 40 | 4 56 | 11 45 | 23 53 | 23 52 | 18 7 | | n.a. |
| W30 | 23n31 | 3n58 | 4s49 | 20n17 | 3s11 | 16n37 | 1s 8 | 0n44 | 1s41 | 16s12 | 0n19 | 24s31 | 0s38 | 21s18 | 0s 8 | 21s53 | 0n40 | 4n55 | 11n44 | 23s53 | 23s52 | 18s 5 | | n.a. |

Julian Day Number = 1007510.5, Delta T = 12h43m54s
Ecliptic obliquity = 23°55'11, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'21, Lahiri = -30°54'21 Julian Calendar 1 June 1955 BCE == Greg. Calendar 15 May 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## JULY 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 28 53 | 20♊44'16 | 22♍45 | 11°R 0 | 19♉47 | 6♈14 | 14°R22 | 2°R37 | 2°R52 | 10°R53 | 14°R37 | 3°R 9 | 3♐34 | 0♒54 | n.a. | T 1 |
| F 2 | 17 32 50 | 21°41'56 | 6♎23 | 10♋52 | 20°59 | 6°51 | 14♏17 | 2♐32 | 2♑50 | 10♑52 | 14♎36 | 3♐ 9 | 3°31 | 1° 1 | n.a. | F 2 |
| S 3 | 17 36 46 | 22°39'38 | 19°43 | 10°39 | 22°11 | 7°28 | 14°13 | 2°28 | 2°48 | 10°50 | 14°36 | 3° 8 | 3°28 | 1° 8 | n.a. | S 3 |
| S 4 | 17 40 43 | 23°37'20 | 2♏46 | 10°20 | 23°23 | 8° 4 | 14° 8 | 2°23 | 2°46 | 10°48 | 14°36 | 3° 7 | 3°24 | 1°14 | n.a. | S 4 |
| M 5 | 17 44 39 | 24°35'05 | 15°34 | 9°55 | 24°35 | 8°40 | 14° 4 | 2°19 | 2°44 | 10°47 | 14°35 | 3° 5 | 3°21 | 1°21 | n.a. | M 5 |
| T 6 | 17 48 36 | 25°32'50 | 28° 8 | 9°25 | 25°47 | 9°17 | 14° 0 | 2°14 | 2°41 | 10°45 | 14°35 | 3° 4 | 3°18 | 1°28 | n.a. | T 6 |
| W 7 | 17 52 33 | 26°30'38 | 10♑30 | 8°49 | 26°59 | 9°53 | 13°56 | 2°10 | 2°39 | 10°44 | 14°35 | 3° 4 | 3°15 | 1°34 | n.a. | W 7 |
| T 8 | 17 56 29 | 27°28'26 | 22°42 | 8° 9 | 28°12 | 10°29 | 13°52 | 2° 5 | 2°37 | 10°42 | 14°35 | 3° 3 | 3°12 | 1°41 | n.a. | T 8 |
| F 9 | 18 0 26 | 28°26'17 | 4♐44 | 7°24 | 29°24 | 11° 4 | 13°49 | 2° 1 | 2°35 | 10°41 | 14°34 | 3°D 3 | 3° 9 | 1°48 | n.a. | F 9 |
| S 10 | 18 4 22 | 29°24'09 | 16°40 | 6°36 | 0♊36 | 11°40 | 13°45 | 1°56 | 2°33 | 10°39 | 14°34 | 3° 3 | 3° 5 | 1°54 | n.a. | S 10 |
| S 11 | 18 8 19 | 0♋22'03 | 28°30 | 5°45 | 1°49 | 12°15 | 13°42 | 1°51 | 2°31 | 10°38 | 14°34 | 3° 4 | 3° 2 | 2° 1 | n.a. | S 11 |
| M12 | 18 12 15 | 1°19'59 | 10♒19 | 4°51 | 3° 1 | 12°50 | 13°39 | 1°47 | 2°29 | 10°36 | 14°34 | 3° 4 | 2°59 | 2° 8 | n.a. | M12 |
| T 13 | 18 16 12 | 2°17'57 | 22° 8 | 3°56 | 4°14 | 13°25 | 13°36 | 1°42 | 2°27 | 10°35 | 14°D34 | 3° 4 | 2°56 | 2°14 | n.a. | T 13 |
| W14 | 18 20 9 | 3°15'56 | 4♓ 2 | 3° 1 | 5°27 | 14° 0 | 13°33 | 1°38 | 2°25 | 10°33 | 14°34 | 3°R 4 | 2°53 | 2°21 | n.a. | W14 |
| T 15 | 18 24 5 | 4°13'58 | 16° 4 | 2° 8 | 6°39 | 14°35 | 13°31 | 1°33 | 2°23 | 10°32 | 14°34 | 3° 4 | 2°49 | 2°28 | n.a. | T 15 |
| F 16 | 18 28 2 | 5°12'02 | 28°18 | 1°16 | 7°52 | 15° 9 | 13°29 | 1°29 | 2°21 | 10°30 | 14°34 | 3° 4 | 2°46 | 2°34 | n.a. | F 16 |
| S 17 | 18 31 58 | 6°10'08 | 10♈49 | 0°28 | 9° 5 | 15°44 | 13°27 | 1°24 | 2°19 | 10°29 | 14°34 | 3°D 4 | 2°43 | 2°41 | n.a. | S 17 |
| S 18 | 18 35 55 | 7° 8'16 | 23°40 | 29♊45 | 10°18 | 16°18 | 13°25 | 1°20 | 2°18 | 10°27 | 14°35 | 3° 4 | 2°40 | 2°48 | n.a. | S 18 |
| M19 | 18 39 51 | 8° 6'26 | 6♉56 | 29° 7 | 11°31 | 16°52 | 13°23 | 1°15 | 2°16 | 10°26 | 14°35 | 3° 4 | 2°37 | 2°54 | n.a. | M19 |
| T 20 | 18 43 48 | 9° 4'39 | 20°38 | 28°35 | 12°44 | 17°25 | 13°21 | 1°10 | 2°14 | 10°25 | 14°35 | 3° 5 | 2°34 | 3° 1 | n.a. | T 20 |
| W21 | 18 47 44 | 10° 2'53 | 4♊46 | 28°11 | 13°57 | 17°59 | 13°20 | 1° 6 | 2°12 | 10°23 | 14°35 | 3° 5 | 2°30 | 3° 8 | n.a. | W21 |
| T 22 | 18 51 41 | 11° 1'10 | 19°19 | 27°54 | 15°10 | 18°32 | 13°19 | 1° 2 | 2°10 | 10°22 | 14°36 | 3° 6 | 2°27 | 3°14 | n.a. | T 22 |
| F 23 | 18 55 37 | 11°59'29 | 4♋11 | 27°D46 | 16°23 | 19° 5 | 13°18 | 0°57 | 2° 9 | 10°21 | 14°36 | 3°R 6 | 2°24 | 3°21 | n.a. | F 23 |
| S 24 | 18 59 34 | 12°57'50 | 19°16 | 27°46 | 17°37 | 19°38 | 13°17 | 0°53 | 2° 7 | 10°19 | 14°36 | 3° 6 | 2°21 | 3°28 | n.a. | S 24 |
| S 25 | 19 3 31 | 13°56'13 | 4♌24 | 27°55 | 18°50 | 20°10 | 13°16 | 0°48 | 2° 6 | 10°18 | 14°37 | 3° 5 | 2°18 | 3°34 | n.a. | S 25 |
| M26 | 19 7 27 | 14°54'38 | 19°27 | 28°13 | 20° 3 | 20°43 | 13°16 | 0°44 | 2° 4 | 10°17 | 14°37 | 3° 4 | 2°15 | 3°41 | n.a. | M26 |
| T 27 | 19 11 24 | 15°53'05 | 4♍16 | 28°40 | 21°17 | 21°15 | 13°16 | 0°40 | 2° 3 | 10°15 | 14°37 | 3° 2 | 2°11 | 3°48 | n.a. | T 27 |
| W28 | 19 15 20 | 16°51'33 | 18°44 | 29°15 | 22°30 | 21°47 | 13°D16 | 0°35 | 2° 1 | 10°14 | 14°38 | 3° 1 | 2° 8 | 3°54 | n.a. | W28 |
| T 29 | 19 19 17 | 17°50'03 | 2♎48 | 29°59 | 23°44 | 22°19 | 13°16 | 0°31 | 2° 0 | 10°13 | 14°38 | 3° 0 | 2° 5 | 4° 1 | n.a. | T 29 |
| F 30 | 19 23 13 | 18°48'35 | 16°28 | 0♋51 | 24°58 | 22°50 | 13°16 | 0°27 | 1°58 | 10°12 | 14°39 | 2°D59 | 2° 2 | 4° 8 | n.a. | F 30 |
| S 31 | 19 27 10 | 19♋47'09 | 29♎43 | 1♋50 | 26♊11 | 23♈21 | 13♏17 | 0♐23 | 1♑57 | 10♑11 | 14♎40 | 2♐59 | 1♐59 | 4♒14 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| T 1 | 23n35 | 1s49 | 5s12 | 20n 5 | 3s23 | 16n59 | 1s 6 | 0n59 | 1s41 | 16s11 | 0n18 | 24s31 | 0s38 | 21s17 | 0s 8 | 21s52 | 0n40 | 4n55 | 11n44 | 23s53 | 23s52 | 18s 3 | | | n.a. |
| F 2 | 23 39 | 7 24 | 5 16 | 19 55 | 3 34 | 17 21 | 1 3 | 1 14 | 1 40 | 16 9 | 0 18 | 24 31 | 0 38 | 21 17 | 0 8 | 21 52 | 0 40 | 4 55 | 11 43 | 23 53 | 23 52 | 18 1 | | | n.a. |
| S 3 | 23 43 | 12 32 | 5 4 | 19 46 | 3 44 | 17 43 | 1 0 | 1 29 | 1 40 | 16 8 | 0 18 | 24 32 | 0 38 | 21 16 | 0 8 | 21 52 | 0 40 | 4 54 | 11 43 | 23 53 | 23 52 | 17 58 | | | n.a. |
| S 4 | 23 46 | 16 58 | 4 36 | 19 37 | 3 54 | 18 4 | 0 58 | 1 44 | 1 40 | 16 7 | 0 18 | 24 32 | 0 38 | 21 16 | 0 8 | 21 52 | 0 39 | 4 54 | 11 42 | 23 53 | 23 52 | 17 56 | | | n.a. |
| M 5 | 23 48 | 20 33 | 3 54 | 19 30 | 4 3 | 18 24 | 0 55 | 1 59 | 1 40 | 16 6 | 0 18 | 24 32 | 0 38 | 21 16 | 0 8 | 21 52 | 0 39 | 4 54 | 11 42 | 23 53 | 23 53 | 17 54 | | | n.a. |
| T 6 | 23 51 | 23 6 | 3 2 | 19 25 | 4 10 | 18 45 | 0 52 | 2 14 | 1 40 | 16 5 | 0 17 | 24 32 | 0 38 | 21 15 | 0 8 | 21 51 | 0 39 | 4 54 | 11 42 | 23 53 | 23 53 | 17 52 | | | n.a. |
| W 7 | 23 52 | 24 29 | 2 2 | 19 21 | 4 17 | 19 5 | 0 49 | 2 28 | 1 39 | 16 4 | 0 17 | 24 32 | 0 38 | 21 15 | 0 8 | 21 51 | 0 39 | 4 53 | 11 41 | 23 53 | 23 53 | 17 49 | | | n.a. |
| T 8 | 23 54 | 24 40 | 0 57 | 19 18 | 4 22 | 19 24 | 0 47 | 2 43 | 1 39 | 16 3 | 0 17 | 24 33 | 0 38 | 21 14 | 0 8 | 21 51 | 0 39 | 4 53 | 11 41 | 23 53 | 23 53 | 17 47 | | | n.a. |
| F 9 | 23 55 | 23 41 | 0n 9 | 19 17 | 4 26 | 19 43 | 0 44 | 2 57 | 1 39 | 16 2 | 0 17 | 24 33 | 0 38 | 21 14 | 0 8 | 21 51 | 0 39 | 4 52 | 11 40 | 23 53 | 23 53 | 17 45 | | | n.a. |
| S 10 | 23 55 | 21 37 | 1 15 | 19 18 | 4 27 | 20 1 | 0 41 | 3 12 | 1 38 | 16 1 | 0 17 | 24 33 | 0 39 | 21 14 | 0 8 | 21 51 | 0 39 | 4 52 | 11 40 | 23 53 | 23 53 | 17 43 | | | n.a. |
| S 11 | 23 55 | 18 39 | 2 17 | 19 20 | 4 28 | 20 19 | 0 38 | 3 26 | 1 38 | 16 0 | 0 16 | 24 33 | 0 39 | 21 13 | 0 8 | 21 50 | 0 39 | 4 52 | 11 39 | 23 53 | 23 53 | 17 40 | | | n.a. |
| M12 | 23 55 | 14 55 | 3 13 | 19 24 | 4 26 | 20 36 | 0 35 | 3 40 | 1 38 | 16 0 | 0 16 | 24 33 | 0 39 | 21 13 | 0 8 | 21 50 | 0 39 | 4 51 | 11 39 | 23 53 | 23 53 | 17 38 | | | n.a. |
| T 13 | 23 54 | 10 38 | 4 0 | 19 30 | 4 22 | 20 53 | 0 33 | 3 54 | 1 38 | 15 59 | 0 16 | 24 33 | 0 39 | 21 12 | 0 8 | 21 50 | 0 39 | 4 51 | 11 38 | 23 53 | 23 53 | 17 36 | | | n.a. |
| W14 | 23 53 | 5 55 | 4 38 | 19 37 | 4 17 | 21 9 | 0 30 | 4 9 | 1 37 | 15 58 | 0 16 | 24 34 | 0 39 | 21 12 | 0 8 | 21 50 | 0 39 | 4 50 | 11 38 | 23 53 | 23 53 | 17 34 | | | n.a. |
| T 15 | 23 51 | 0 57 | 5 4 | 19 45 | 4 9 | 21 25 | 0 27 | 4 22 | 1 37 | 15 58 | 0 16 | 24 34 | 0 39 | 21 12 | 0 8 | 21 50 | 0 39 | 4 50 | 11 37 | 23 53 | 23 53 | 17 31 | | | n.a. |
| F 16 | 23 49 | 4n 8 | 5 17 | 19 55 | 4 0 | 21 40 | 0 24 | 4 36 | 1 37 | 15 57 | 0 15 | 24 34 | 0 39 | 21 11 | 0 8 | 21 49 | 0 39 | 4 49 | 11 37 | 23 53 | 23 53 | 17 29 | | | n.a. |
| S 17 | 23 46 | 9 10 | 5 15 | 20 7 | 3 48 | 21 54 | 0 21 | 4 50 | 1 36 | 15 57 | 0 15 | 24 34 | 0 39 | 21 11 | 0 8 | 21 49 | 0 39 | 4 49 | 11 36 | 23 53 | 23 53 | 17 27 | | | n.a. |
| S 18 | 23 43 | 13 57 | 4 57 | 20 19 | 3 36 | 22 8 | 0 18 | 5 4 | 1 36 | 15 56 | 0 15 | 24 34 | 0 39 | 21 10 | 0 8 | 21 49 | 0 39 | 4 49 | 11 36 | 23 53 | 23 54 | 17 25 | | | n.a. |
| M19 | 23 40 | 18 14 | 4 24 | 20 33 | 3 22 | 22 21 | 0 16 | 5 17 | 1 35 | 15 56 | 0 15 | 24 34 | 0 39 | 21 10 | 0 8 | 21 49 | 0 39 | 4 48 | 11 35 | 23 53 | 23 54 | 17 22 | | | n.a. |
| T 20 | 23 36 | 21 42 | 3 35 | 20 48 | 3 7 | 22 34 | 0 13 | 5 31 | 1 35 | 15 56 | 0 15 | 24 34 | 0 40 | 21 10 | 0 8 | 21 49 | 0 39 | 4 47 | 11 35 | 23 53 | 23 54 | 17 20 | | | n.a. |
| W21 | 23 32 | 23 59 | 2 31 | 21 4 | 2 50 | 22 46 | 0 10 | 5 44 | 1 35 | 15 56 | 0 14 | 24 34 | 0 40 | 21 9 | 0 8 | 21 49 | 0 39 | 4 47 | 11 34 | 23 53 | 23 54 | 17 18 | | | n.a. |
| T 22 | 23 27 | 24 44 | 1 16 | 21 21 | 2 33 | 22 57 | 0 7 | 5 57 | 1 34 | 15 55 | 0 14 | 24 35 | 0 40 | 21 9 | 0 8 | 21 48 | 0 39 | 4 46 | 11 34 | 23 53 | 23 54 | 17 15 | | | n.a. |
| F 23 | 23 22 | 23 45 | 0s 6 | 21 38 | 2 16 | 23 8 | 0 4 | 6 10 | 1 34 | 15 55 | 0 14 | 24 35 | 0 40 | 21 9 | 0 8 | 21 48 | 0 39 | 4 46 | 11 34 | 23 53 | 23 54 | 17 13 | | | n.a. |
| S 24 | 23 16 | 21 3 | 1 29 | 21 56 | 1 58 | 23 18 | 0 2 | 6 24 | 1 33 | 15 55 | 0 14 | 24 35 | 0 40 | 21 8 | 0 8 | 21 48 | 0 39 | 4 45 | 11 33 | 23 53 | 23 54 | 17 11 | | | n.a. |
| S 25 | 23 10 | 16 52 | 2 45 | 22 14 | 1 40 | 23 27 | 0n 1 | 6 36 | 1 33 | 15 55 | 0 14 | 24 35 | 0 40 | 21 8 | 0 8 | 21 48 | 0 39 | 4 45 | 11 33 | 23 53 | 23 54 | 17 9 | | | n.a. |
| M26 | 23 4 | 11 39 | 3 50 | 22 32 | 1 22 | 23 36 | 0 4 | 6 49 | 1 33 | 15 55 | 0 13 | 24 35 | 0 40 | 21 8 | 0 8 | 21 48 | 0 39 | 4 44 | 11 32 | 23 53 | 23 54 | 17 6 | | | n.a. |
| T 27 | 22 57 | 5 50 | 4 38 | 22 50 | 1 5 | 23 44 | 0 7 | 7 2 | 1 32 | 15 55 | 0 13 | 24 35 | 0 40 | 21 7 | 0 8 | 21 48 | 0 39 | 4 43 | 11 32 | 23 53 | 23 54 | 17 4 | | | n.a. |
| W28 | 22 50 | 0s 9 | 5 7 | 23 7 | 0 48 | 23 51 | 0 9 | 7 14 | 1 32 | 15 56 | 0 13 | 24 35 | 0 40 | 21 7 | 0 8 | 21 47 | 0 39 | 4 43 | 11 31 | 23 53 | 23 54 | 17 2 | | | n.a. |
| T 29 | 22 42 | 5 58 | 5 17 | 23 24 | 0 31 | 23 58 | 0 12 | 7 27 | 1 31 | 15 56 | 0 13 | 24 35 | 0 40 | 21 7 | 0 8 | 21 47 | 0 39 | 4 42 | 11 31 | 23 53 | 23 54 | 16 59 | | | n.a. |
| F 30 | 22 34 | 11 19 | 5 8 | 23 39 | 0 16 | 24 4 | 0 15 | 7 39 | 1 31 | 15 56 | 0 13 | 24 35 | 0 40 | 21 7 | 0 9 | 21 47 | 0 39 | 4 42 | 11 30 | 23 53 | 23 54 | 16 57 | | | n.a. |
| S 31 | 22n26 | 15s59 | 4s43 | 23n54 | 0s 0 | 24n 9 | 0n17 | 7n51 | 1s30 | 15s56 | 0n12 | 24s36 | 0s40 | 21s 6 | 0s 9 | 21s47 | 0n39 | 4n41 | 11n30 | 23s53 | 23s54 | 16s55 | | | n.a. |

Julian Day Number = 1007540.5, Delta T = 12h43m52s
Ecliptic obliquity = 23°55'10, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'17, Lahiri = -30°54'17 Julian Calendar 1 July 1955 BCE == Greg. Calendar 14 June 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## AUGUST 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 19 31 6 | 20♋45'44 | 12♏37 | 2♋57 | 27♊25 | 23♈52 | 13♏17 | 0°R18 | 1°R56 | 10°R10 | 14♎40 | 3♑ 0 | 1♑55 | 4♒21 | n.a. | S 1 |
| M 2 | 19 35 3 | 21°44'22 | 25°12 | 4°10 | 28°39 | 24°23 | 13°18 | 0♑14 | 1♐54 | 10♐ 8 | 14°41 | 3° 2 | 1°52 | 4°28 | n.a. | M 2 |
| T 3 | 19 39 0 | 22°43'01 | 7♐32 | 5°29 | 29°53 | 24°53 | 13°20 | 0°10 | 1°53 | 10° 7 | 14°42 | 3° 3 | 1°49 | 4°34 | n.a. | T 3 |
| W 4 | 19 42 56 | 23°41'42 | 19°40 | 6°53 | 1♌ 6 | 25°24 | 13°21 | 0° 6 | 1°52 | 10° 6 | 14°42 | 3° 5 | 1°46 | 4°41 | n.a. | W 4 |
| T 5 | 19 46 53 | 24°40'26 | 1♑40 | 8°22 | 2°20 | 25°53 | 13°22 | 0° 2 | 1°51 | 10° 5 | 14°43 | 3°R 5 | 1°43 | 4°48 | n.a. | T 5 |
| F 6 | 19 50 49 | 25°39'11 | 13°34 | 9°56 | 3°34 | 26°23 | 13°24 | 29♐58 | 1°50 | 10° 4 | 14°44 | 3° 5 | 1°40 | 4°54 | n.a. | F 6 |
| S 7 | 19 54 46 | 26°37'59 | 25°24 | 11°32 | 4°48 | 26°53 | 13°26 | 29°55 | 1°48 | 10° 3 | 14°45 | 3° 3 | 1°36 | 5° 1 | n.a. | S 7 |
| S 8 | 19 58 42 | 27°36'48 | 7♒13 | 13°12 | 6° 2 | 27°22 | 13°28 | 29°51 | 1°47 | 10° 2 | 14°46 | 3° 0 | 1°33 | 5° 8 | n.a. | S 8 |
| M 9 | 20 2 39 | 28°35'40 | 19° 3 | 14°55 | 7°17 | 27°50 | 13°30 | 29°47 | 1°46 | 10° 1 | 14°46 | 2°56 | 1°30 | 5°14 | n.a. | M 9 |
| T 10 | 20 6 35 | 29°34'34 | 0♓55 | 16°40 | 8°31 | 28°19 | 13°33 | 29°43 | 1°46 | 10° 0 | 14°47 | 2°52 | 1°27 | 5°21 | n.a. | T 10 |
| W11 | 20 10 32 | 0♈33'30 | 12°53 | 18°26 | 9°45 | 28°47 | 13°35 | 29°40 | 1°45 | 9°59 | 14°48 | 2°47 | 1°24 | 5°28 | n.a. | W11 |
| T 12 | 20 14 28 | 1°32'29 | 24°58 | 20°13 | 10°59 | 29°15 | 13°38 | 29°36 | 1°44 | 9°59 | 14°49 | 2°43 | 1°21 | 5°35 | n.a. | T 12 |
| F 13 | 20 18 25 | 2°31'30 | 7♉14 | 22° 2 | 12°14 | 29°43 | 13°41 | 29°33 | 1°43 | 9°58 | 14°50 | 2°39 | 1°17 | 5°41 | n.a. | F 13 |
| S 14 | 20 22 22 | 3°30'33 | 19°43 | 23°51 | 13°28 | 0♊10 | 13°44 | 29°29 | 1°42 | 9°57 | 14°51 | 2°37 | 1°14 | 5°48 | n.a. | S 14 |
| S 15 | 20 26 18 | 4°29'39 | 2♊30 | 25°40 | 14°42 | 0°37 | 13°48 | 29°26 | 1°42 | 9°56 | 14°52 | 2°D36 | 1°11 | 5°55 | n.a. | S 15 |
| M16 | 20 30 15 | 5°28'48 | 15°38 | 27°29 | 15°57 | 1° 4 | 13°51 | 29°23 | 1°41 | 9°55 | 14°53 | 2°36 | 1° 8 | 6° 1 | n.a. | M16 |
| T 17 | 20 34 11 | 6°27'59 | 29°10 | 29°19 | 17°11 | 1°30 | 13°55 | 29°20 | 1°40 | 9°55 | 14°55 | 2°38 | 1° 5 | 6° 8 | n.a. | T 17 |
| W18 | 20 38 8 | 7°27'13 | 13♋ 8 | 1♌ 8 | 18°26 | 1°56 | 13°59 | 29°17 | 1°40 | 9°54 | 14°56 | 2°39 | 1° 1 | 6°15 | n.a. | W18 |
| T 19 | 20 42 4 | 8°26'29 | 27°32 | 2°57 | 19°40 | 2°22 | 14° 3 | 29°14 | 1°39 | 9°53 | 14°57 | 2°R40 | 0°58 | 6°21 | n.a. | T 19 |
| F 20 | 20 46 1 | 9°25'48 | 12♋20 | 4°45 | 20°55 | 2°47 | 14° 7 | 29°11 | 1°39 | 9°53 | 14°58 | 2°40 | 0°55 | 6°28 | n.a. | F 20 |
| S 21 | 20 49 57 | 10°25'09 | 27°25 | 6°33 | 22°10 | 3°12 | 14°12 | 29° 8 | 1°38 | 9°52 | 14°59 | 2°38 | 0°52 | 6°35 | n.a. | S 21 |
| S 22 | 20 53 54 | 11°24'32 | 12♌40 | 8°20 | 23°25 | 3°36 | 14°16 | 29° 5 | 1°38 | 9°51 | 15° 1 | 2°34 | 0°49 | 6°41 | n.a. | S 22 |
| M23 | 20 57 50 | 12°23'57 | 27°55 | 10° 7 | 24°39 | 4° 0 | 14°21 | 29° 2 | 1°38 | 9°51 | 15° 2 | 2°29 | 0°46 | 6°48 | n.a. | M23 |
| T 24 | 21 1 47 | 13°23'25 | 12♍58 | 11°53 | 25°54 | 4°24 | 14°26 | 29° 0 | 1°38 | 9°50 | 15° 3 | 2°22 | 0°42 | 6°55 | n.a. | T 24 |
| W25 | 21 5 44 | 14°22'54 | 27°40 | 13°38 | 27° 9 | 4°47 | 14°31 | 28°57 | 1°37 | 9°50 | 15° 5 | 2°16 | 0°39 | 7° 1 | n.a. | W25 |
| T 26 | 21 9 40 | 15°22'26 | 11♎57 | 15°23 | 28°24 | 5°10 | 14°37 | 28°55 | 1°37 | 9°49 | 15° 6 | 2°11 | 0°36 | 7° 8 | n.a. | T 26 |
| F 27 | 21 13 37 | 16°21'59 | 25°44 | 17° 7 | 29°39 | 5°33 | 14°42 | 28°52 | 1°37 | 9°49 | 15° 7 | 2° 7 | 0°33 | 7°15 | n.a. | F 27 |
| S 28 | 21 17 33 | 17°21'35 | 9♏ 3 | 18°50 | 0♌54 | 5°55 | 14°48 | 28°50 | 1°37 | 9°49 | 15° 9 | 2° 5 | 0°30 | 7°21 | n.a. | S 28 |
| S 29 | 21 21 30 | 18°21'12 | 21°56 | 20°32 | 2° 9 | 6°16 | 14°54 | 28°48 | 1°D37 | 9°48 | 15°10 | 2°D 5 | 0°27 | 7°28 | n.a. | S 29 |
| M30 | 21 25 26 | 19°20'51 | 4♐27 | 22°14 | 3°24 | 6°38 | 15° 0 | 28°46 | 1°37 | 9°48 | 15°12 | 2° 6 | 0°23 | 7°35 | n.a. | M30 |
| T 31 | 21 29 23 | 20♌20'32 | 16♐41 | 23♌55 | 4♌39 | 6♑58 | 15♏ 6 | 28♐44 | 1♐37 | 9♐48 | 15♎13 | 2♑ 7 | 0♑20 | 7♒41 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| S 1 | 22n17 | 19s48 | 4s 4 | 24n 7 | 0n14 | 24n13 | 0n20 | 8n 4 | 1s30 | 15s57 | 0n12 | 24s36 | 0s40 | 21s 6 | 0s 9 | 21s47 | 0n39 | 4n40 | 11n29 | 23s53 | 23s54 | 16s52 | | | n.a. |
| M 2 | 22 7 | 22 35 | 3 14 | 24 18 | 0 27 | 24 17 | 0 22 | 8 16 | 1 29 | 15 57 | 0 12 | 24 36 | 0 41 | 21 6 | 0 9 | 21 47 | 0 39 | 4 40 | 11 29 | 23 53 | 23 54 | 16 50 | | | n.a. |
| T 3 | 21 58 | 24 15 | 2 17 | 24 28 | 0 39 | 24 20 | 0 25 | 8 27 | 1 28 | 15 58 | 0 12 | 24 36 | 0 41 | 21 6 | 0 9 | 21 46 | 0 39 | 4 39 | 11 28 | 23 53 | 23 54 | 16 48 | | | n.a. |
| W 4 | 21 48 | 24 44 | 1 13 | 24 35 | 0 51 | 24 22 | 0 27 | 8 39 | 1 28 | 15 58 | 0 12 | 24 36 | 0 41 | 21 5 | 0 9 | 21 46 | 0 39 | 4 38 | 11 28 | 23 53 | 23 54 | 16 45 | | | n.a. |
| T 5 | 21 37 | 24 2 | 0 8 | 24 40 | 1 1 | 24 24 | 0 30 | 8 51 | 1 27 | 15 59 | 0 12 | 24 36 | 0 41 | 21 5 | 0 9 | 21 46 | 0 39 | 4 37 | 11 27 | 23 53 | 23 54 | 16 43 | | | n.a. |
| F 6 | 21 26 | 22 16 | 0n57 | 24 42 | 1 10 | 24 25 | 0 32 | 9 2 | 1 27 | 16 0 | 0 11 | 24 36 | 0 41 | 21 5 | 0 9 | 21 46 | 0 39 | 4 37 | 11 27 | 23 53 | 23 55 | 16 41 | | | n.a. |
| S 7 | 21 15 | 19 31 | 2 0 | 24 43 | 1 19 | 24 25 | 0 35 | 9 14 | 1 26 | 16 0 | 0 11 | 24 36 | 0 41 | 21 5 | 0 9 | 21 46 | 0 39 | 4 36 | 11 26 | 23 53 | 23 55 | 16 38 | | | n.a. |
| S 8 | 21 3 | 15 59 | 2 57 | 24 40 | 1 26 | 24 24 | 0 37 | 9 25 | 1 26 | 16 1 | 0 11 | 24 36 | 0 41 | 21 4 | 0 9 | 21 46 | 0 39 | 4 35 | 11 26 | 23 53 | 23 55 | 16 36 | | | n.a. |
| M 9 | 20 51 | 11 50 | 3 46 | 24 35 | 1 32 | 24 22 | 0 39 | 9 36 | 1 25 | 16 2 | 0 11 | 24 36 | 0 41 | 21 4 | 0 9 | 21 46 | 0 39 | 4 34 | 11 26 | 23 53 | 23 55 | 16 34 | | | n.a. |
| T 10 | 20 39 | 7 14 | 4 26 | 24 28 | 1 37 | 24 20 | 0 42 | 9 47 | 1 24 | 16 3 | 0 11 | 24 36 | 0 41 | 21 4 | 0 9 | 21 46 | 0 39 | 4 34 | 11 25 | 23 53 | 23 55 | 16 31 | | | n.a. |
| W11 | 20 26 | 2 20 | 4 54 | 24 18 | 1 42 | 24 17 | 0 44 | 9 58 | 1 24 | 16 4 | 0 11 | 24 36 | 0 41 | 21 4 | 0 9 | 21 46 | 0 39 | 4 33 | 11 25 | 23 53 | 23 55 | 16 29 | | | n.a. |
| T 12 | 20 13 | 2n41 | 5 10 | 24 6 | 1 45 | 24 13 | 0 46 | 10 8 | 1 23 | 16 5 | 0 10 | 24 36 | 0 41 | 21 4 | 0 9 | 21 45 | 0 39 | 4 32 | 11 24 | 23 53 | 23 55 | 16 27 | | | n.a. |
| F 13 | 19 59 | 7 41 | 5 12 | 23 51 | 1 48 | 24 9 | 0 48 | 10 19 | 1 22 | 16 6 | 0 10 | 24 36 | 0 41 | 21 4 | 0 9 | 21 45 | 0 38 | 4 31 | 11 24 | 23 54 | 23 55 | 16 24 | | | n.a. |
| S 14 | 19 46 | 12 28 | 4 59 | 23 34 | 1 50 | 24 3 | 0 50 | 10 29 | 1 22 | 16 7 | 0 10 | 24 36 | 0 41 | 21 3 | 0 9 | 21 45 | 0 38 | 4 30 | 11 23 | 23 54 | 23 55 | 16 22 | | | n.a. |
| S 15 | 19 31 | 16 49 | 4 32 | 23 15 | 1 51 | 23 57 | 0 52 | 10 40 | 1 21 | 16 8 | 0 10 | 24 36 | 0 41 | 21 3 | 0 9 | 21 45 | 0 38 | 4 30 | 11 23 | 23 54 | 23 55 | 16 20 | | | n.a. |
| M16 | 19 17 | 20 30 | 3 49 | 22 54 | 1 52 | 23 51 | 0 54 | 10 50 | 1 20 | 16 10 | 0 10 | 24 36 | 0 41 | 21 3 | 0 9 | 21 45 | 0 38 | 4 29 | 11 22 | 23 54 | 23 55 | 16 17 | | | n.a. |
| T 17 | 19 2 | 23 11 | 2 53 | 22 31 | 1 51 | 23 43 | 0 56 | 11 0 | 1 19 | 16 11 | 0 9 | 24 36 | 0 41 | 21 3 | 0 9 | 21 45 | 0 38 | 4 28 | 11 22 | 23 54 | 23 55 | 16 15 | | | n.a. |
| W18 | 18 47 | 24 34 | 1 45 | 22 6 | 1 51 | 23 35 | 0 58 | 11 9 | 1 19 | 16 12 | 0 9 | 24 36 | 0 41 | 21 3 | 0 9 | 21 45 | 0 38 | 4 27 | 11 22 | 23 54 | 23 55 | 16 13 | | | n.a. |
| T 19 | 18 31 | 24 22 | 0 28 | 21 40 | 1 49 | 23 26 | 1 0 | 11 19 | 1 18 | 16 14 | 0 9 | 24 36 | 0 41 | 21 3 | 0 9 | 21 45 | 0 38 | 4 26 | 11 21 | 23 54 | 23 55 | 16 10 | | | n.a. |
| F 20 | 18 15 | 22 28 | 0s52 | 21 12 | 1 47 | 23 16 | 1 2 | 11 29 | 1 17 | 16 15 | 0 9 | 24 36 | 0 41 | 21 3 | 0 9 | 21 45 | 0 38 | 4 25 | 11 21 | 23 54 | 23 55 | 16 8 | | | n.a. |
| S 21 | 17 59 | 18 57 | 2 11 | 20 42 | 1 45 | 23 6 | 1 4 | 11 38 | 1 16 | 16 17 | 0 9 | 24 37 | 0 42 | 21 3 | 0 9 | 21 45 | 0 38 | 4 25 | 11 20 | 23 54 | 23 55 | 16 6 | | | n.a. |
| S 22 | 17 42 | 14 9 | 3 20 | 20 11 | 1 42 | 22 55 | 1 5 | 11 47 | 1 15 | 16 18 | 0 9 | 24 37 | 0 42 | 21 3 | 0 9 | 21 45 | 0 38 | 4 24 | 11 20 | 23 54 | 23 55 | 16 3 | | | n.a. |
| M23 | 17 25 | 8 27 | 4 16 | 19 39 | 1 39 | 22 43 | 1 7 | 11 56 | 1 15 | 16 20 | 0 8 | 24 37 | 0 42 | 21 2 | 0 9 | 21 45 | 0 38 | 4 23 | 11 19 | 23 54 | 23 55 | 16 1 | | | n.a. |
| T 24 | 17 8 | 2 20 | 4 52 | 19 6 | 1 36 | 22 31 | 1 8 | 12 5 | 1 14 | 16 22 | 0 8 | 24 37 | 0 42 | 21 2 | 0 9 | 21 45 | 0 38 | 4 22 | 11 19 | 23 54 | 23 55 | 15 58 | | | n.a. |
| W25 | 16 51 | 3s46 | 5 9 | 18 32 | 1 32 | 22 17 | 1 10 | 12 14 | 1 13 | 16 23 | 0 8 | 24 37 | 0 42 | 21 2 | 0 9 | 21 45 | 0 38 | 4 21 | 11 19 | 23 54 | 23 55 | 15 56 | | | n.a. |
| T 26 | 16 33 | 9 29 | 5 5 | 17 56 | 1 28 | 22 4 | 1 11 | 12 23 | 1 12 | 16 25 | 0 8 | 24 37 | 0 42 | 21 2 | 0 9 | 21 45 | 0 38 | 4 20 | 11 18 | 23 54 | 23 55 | 15 54 | | | n.a. |
| F 27 | 16 15 | 14 32 | 4 44 | 17 20 | 1 23 | 21 49 | 1 13 | 12 31 | 1 11 | 16 27 | 0 8 | 24 37 | 0 42 | 21 2 | 0 9 | 21 45 | 0 38 | 4 19 | 11 18 | 23 54 | 23 55 | 15 51 | | | n.a. |
| S 28 | 15 56 | 18 42 | 4 8 | 16 43 | 1 18 | 21 34 | 1 14 | 12 40 | 1 10 | 16 29 | 0 8 | 24 37 | 0 42 | 21 2 | 0 9 | 21 44 | 0 38 | 4 18 | 11 17 | 23 54 | 23 55 | 15 49 | | | n.a. |
| S 29 | 15 38 | 21 50 | 3 20 | 16 5 | 1 13 | 21 18 | 1 15 | 12 48 | 1 9 | 16 31 | 0 7 | 24 37 | 0 42 | 21 2 | 0 9 | 21 44 | 0 38 | 4 17 | 11 17 | 23 54 | 23 55 | 15 46 | | | n.a. |
| M30 | 15 19 | 23 49 | 2 24 | 15 27 | 1 8 | 21 2 | 1 17 | 12 56 | 1 8 | 16 33 | 0 7 | 24 37 | 0 42 | 21 2 | 0 9 | 21 44 | 0 38 | 4 16 | 11 17 | 23 54 | 23 55 | 15 44 | | | n.a. |
| T 31 | 15n 0 | 24s36 | 1s23 | 14n48 | 1n 3 | 20n44 | 1n18 | 13n 4 | 1s 7 | 16s35 | 0n 7 | 24s37 | 0s42 | 21s 2 | 0s 9 | 21s44 | 0n38 | 4n15 | 11n16 | 23s54 | 23s55 | 15s42 | | | n.a. |

Julian Day Number = 1007571.5, Delta T = 12h43m50s
Ecliptic obliquity = 23°55'10, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'13, Lahiri = -30°54'12 Julian Calendar 1 Aug. 1955 BCE == Greg. Calendar 15 July 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## SEPTEMBER 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 21 33 19 | 21♌20'15 | 28♐42 | 25♌35 | 5♌54 | 7♉19 | 15♏12 | 28°R42 | 1♐37 | 9°R47 | 15♎15 | 2°R 8 | 0♑17 | 7♒48 | n.a. | W 1 |
| T 2 | 21 37 16 | 22°20'01 | 10♑35 | 27°14 | 7° 9 | 7°38 | 15°19 | 28♐40 | 1°38 | 9♐47 | 15°17 | 2♑ 8 | 0°14 | 7°55 | n.a. | T 2 |
| F 3 | 21 41 12 | 23°19'48 | 22°24 | 28°53 | 8°24 | 7°58 | 15°25 | 28°39 | 1°38 | 9°47 | 15°18 | 2° 5 | 0°11 | 8° 1 | n.a. | F 3 |
| S 4 | 21 45 9 | 24°19'37 | 4♒12 | 0♍31 | 9°39 | 8°17 | 15°32 | 28°37 | 1°38 | 9°47 | 15°20 | 2° 0 | 0° 7 | 8° 8 | n.a. | S 4 |
| S 5 | 21 49 6 | 25°19'28 | 16° 2 | 2° 9 | 10°54 | 8°35 | 15°39 | 28°36 | 1°38 | 9°47 | 15°21 | 1°53 | 0° 4 | 8°15 | n.a. | S 5 |
| M 6 | 21 53 2 | 26°19'21 | 27°56 | 3°46 | 12°10 | 8°53 | 15°46 | 28°34 | 1°39 | 9°47 | 15°23 | 1°44 | 0° 1 | 8°21 | n.a. | M 6 |
| T 7 | 21 56 59 | 27°19'16 | 9♓56 | 5°22 | 13°25 | 9°10 | 15°53 | 28°33 | 1°39 | 9°47 | 15°25 | 1°34 | 29♐58 | 8°28 | n.a. | T 7 |
| W 8 | 22 0 55 | 28°19'13 | 22° 2 | 6°58 | 14°40 | 9°27 | 16° 1 | 28°32 | 1°40 | 9°D47 | 15°27 | 1°22 | 29°55 | 8°35 | n.a. | W 8 |
| T 9 | 22 4 52 | 29°19'13 | 4♈17 | 8°33 | 15°55 | 9°43 | 16° 8 | 28°31 | 1°40 | 9°47 | 15°28 | 1°12 | 29°52 | 8°41 | n.a. | T 9 |
| F 10 | 22 8 48 | 0♍19'15 | 16°41 | 10° 7 | 17°11 | 9°59 | 16°16 | 28°30 | 1°41 | 9°47 | 15°30 | 1° 3 | 29°48 | 8°48 | n.a. | F 10 |
| S 11 | 22 12 45 | 1°19'19 | 29°16 | 11°41 | 18°26 | 10°14 | 16°24 | 28°29 | 1°42 | 9°47 | 15°32 | 0°56 | 29°45 | 8°55 | n.a. | S 11 |
| S 12 | 22 16 41 | 2°19'25 | 12♉ 5 | 13°15 | 19°41 | 10°29 | 16°32 | 28°28 | 1°42 | 9°47 | 15°34 | 0°51 | 29°42 | 9° 1 | n.a. | S 12 |
| M13 | 22 20 38 | 3°19'34 | 25°10 | 14°48 | 20°57 | 10°43 | 16°40 | 28°27 | 1°43 | 9°47 | 15°36 | 0°49 | 29°39 | 9° 8 | n.a. | M13 |
| T 14 | 22 24 34 | 4°19'45 | 8♊34 | 16°20 | 22°12 | 10°56 | 16°48 | 28°27 | 1°44 | 9°47 | 15°37 | 0°D49 | 29°36 | 9°15 | n.a. | T 14 |
| W15 | 22 28 31 | 5°19'58 | 22°19 | 17°52 | 23°28 | 11° 9 | 16°56 | 28°26 | 1°45 | 9°47 | 15°39 | 0°49 | 29°32 | 9°21 | n.a. | W15 |
| T 16 | 22 32 28 | 6°20'14 | 6♋28 | 19°23 | 24°43 | 11°21 | 17° 5 | 28°26 | 1°46 | 9°48 | 15°41 | 0°R49 | 29°29 | 9°28 | n.a. | T 16 |
| F 17 | 22 36 24 | 7°20'32 | 20°59 | 20°54 | 25°59 | 11°32 | 17°13 | 28°26 | 1°47 | 9°48 | 15°43 | 0°48 | 29°26 | 9°35 | n.a. | F 17 |
| S 18 | 22 40 21 | 8°20'52 | 5♌49 | 22°25 | 27°14 | 11°43 | 17°22 | 28°25 | 1°48 | 9°48 | 15°45 | 0°44 | 29°23 | 9°41 | n.a. | S 18 |
| S 19 | 22 44 17 | 9°21'14 | 20°52 | 23°55 | 28°30 | 11°53 | 17°31 | 28°D25 | 1°49 | 9°49 | 15°47 | 0°37 | 29°20 | 9°48 | n.a. | S 19 |
| M20 | 22 48 14 | 10°21'38 | 6♍ 0 | 25°24 | 29°45 | 12° 3 | 17°40 | 28°25 | 1°50 | 9°49 | 15°49 | 0°28 | 29°17 | 9°55 | n.a. | M20 |
| T 21 | 22 52 10 | 11°22'04 | 21° 3 | 26°53 | 1♍ 1 | 12°11 | 17°49 | 28°26 | 1°51 | 9°49 | 15°51 | 0°17 | 29°13 | 10° 2 | n.a. | T 21 |
| W22 | 22 56 7 | 12°22'32 | 5♎49 | 28°21 | 2°16 | 12°19 | 17°59 | 28°26 | 1°52 | 9°50 | 15°53 | 0° 6 | 29°10 | 10° 8 | n.a. | W22 |
| T 23 | 23 0 3 | 13°23'01 | 20°13 | 29°49 | 3°32 | 12°27 | 18° 8 | 28°26 | 1°54 | 9°50 | 15°55 | 29♐56 | 29° 7 | 10°15 | n.a. | T 23 |
| F 24 | 23 4 0 | 14°23'32 | 4♏ 8 | 1♎17 | 4°48 | 12°33 | 18°18 | 28°27 | 1°55 | 9°51 | 15°57 | 29°48 | 29° 4 | 10°22 | n.a. | F 24 |
| S 25 | 23 7 56 | 15°24'05 | 17°33 | 2°43 | 6° 3 | 12°39 | 18°27 | 28°27 | 1°56 | 9°51 | 15°59 | 29°42 | 29° 1 | 10°28 | n.a. | S 25 |
| S 26 | 23 11 53 | 16°24'39 | 0♐31 | 4° 9 | 7°19 | 12°44 | 18°37 | 28°28 | 1°58 | 9°52 | 16° 1 | 29°39 | 28°58 | 10°35 | n.a. | S 26 |
| M27 | 23 15 50 | 17°25'15 | 13° 4 | 5°35 | 8°34 | 12°48 | 18°47 | 28°29 | 1°59 | 9°53 | 16° 4 | 29°D38 | 28°54 | 10°42 | n.a. | M27 |
| T 28 | 23 19 46 | 18°25'53 | 25°18 | 6°59 | 9°50 | 12°52 | 18°57 | 28°30 | 2° 1 | 9°53 | 16° 6 | 29°R38 | 28°51 | 10°48 | n.a. | T 28 |
| W29 | 23 23 43 | 19°26'31 | 7♑18 | 8°23 | 11° 6 | 12°55 | 19° 7 | 28°31 | 2° 2 | 9°54 | 16° 8 | 29°38 | 28°48 | 10°55 | n.a. | W29 |
| T 30 | 23 27 39 | 20♍27'11 | 19♑ 9 | 9♎46 | 12♍21 | 12♉57 | 19♏17 | 28♐32 | 2♐ 4 | 9♐55 | 16♎10 | 29♐37 | 28♐45 | 11♒ 2 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 14n40 | 24s13 | 0s19 | 14n 8 | 0n57 | 20n27 | 1n19 | 13n11 | 1s 6 | 16s37 | 0n 7 | 24s37 | 0s42 | 21s 2 | 0s 9 | 21s44 | 0n38 | 4n14 | 11n16 | 23s54 | 23s55 | 15s39 | | n.a. |
| T 2 | 14 21 | 22 44 | 0n45 | 13 28 | 0 51 | 20 8 | 1 20 | 13 19 | 1 5 | 16 39 | 0 7 | 24 37 | 0 42 | 21 2 | 0 9 | 21 44 | 0 38 | 4 13 | 11 15 | 23 54 | 23 55 | 15 37 | | n.a. |
| F 3 | 14 1 | 20 15 | 1 47 | 12 48 | 0 45 | 19 49 | 1 21 | 13 26 | 1 4 | 16 41 | 0 7 | 24 37 | 0 42 | 21 2 | 0 9 | 21 44 | 0 38 | 4 12 | 11 15 | 23 54 | 23 55 | 15 34 | | n.a. |
| S 4 | 13 41 | 16 57 | 2 44 | 12 7 | 0 39 | 19 30 | 1 22 | 13 33 | 1 3 | 16 43 | 0 7 | 24 37 | 0 42 | 21 3 | 0 9 | 21 44 | 0 38 | 4 12 | 11 15 | 23 54 | 23 55 | 15 32 | | n.a. |
| S 5 | 13 20 | 12 57 | 3 33 | 11 26 | 0 33 | 19 10 | 1 22 | 13 40 | 1 2 | 16 45 | 0 6 | 24 37 | 0 42 | 21 3 | 0 9 | 21 44 | 0 38 | 4 11 | 11 14 | 23 54 | 23 55 | 15 30 | | n.a. |
| M 6 | 13 0 | 8 28 | 4 14 | 10 44 | 0 26 | 18 49 | 1 23 | 13 47 | 1 1 | 16 47 | 0 6 | 24 37 | 0 42 | 21 3 | 0 9 | 21 44 | 0 38 | 4 10 | 11 14 | 23 54 | 23 55 | 15 27 | | n.a. |
| T 7 | 12 39 | 3 38 | 4 43 | 10 2 | 0 20 | 18 28 | 1 24 | 13 54 | 0 59 | 16 50 | 0 6 | 24 37 | 0 42 | 21 3 | 0 9 | 21 45 | 0 38 | 4 9 | 11 14 | 23 55 | 23 55 | 15 25 | | n.a. |
| W 8 | 12 18 | 1n22 | 5 0 | 9 20 | 0 14 | 18 6 | 1 25 | 14 1 | 0 58 | 16 52 | 0 6 | 24 37 | 0 42 | 21 3 | 0 9 | 21 45 | 0 38 | 4 8 | 11 13 | 23 55 | 23 55 | 15 22 | | n.a. |
| T 9 | 11 56 | 6 22 | 5 4 | 8 38 | 0 7 | 17 44 | 1 25 | 14 7 | 0 57 | 16 54 | 0 6 | 24 37 | 0 42 | 21 3 | 0 9 | 21 45 | 0 38 | 4 7 | 11 13 | 23 55 | 23 55 | 15 20 | | n.a. |
| F 10 | 11 35 | 11 11 | 4 53 | 7 56 | 0 0 | 17 21 | 1 26 | 14 13 | 0 56 | 16 57 | 0 6 | 24 37 | 0 42 | 21 3 | 0 9 | 21 45 | 0 38 | 4 6 | 11 12 | 23 55 | 23 55 | 15 18 | | n.a. |
| S 11 | 11 13 | 15 36 | 4 28 | 7 13 | 0s 6 | 16 58 | 1 26 | 14 19 | 0 55 | 16 59 | 0 5 | 24 37 | 0 42 | 21 3 | 0 9 | 21 45 | 0 38 | 4 5 | 11 12 | 23 55 | 23 55 | 15 15 | | n.a. |
| S 12 | 10 51 | 19 24 | 3 50 | 6 31 | 0 13 | 16 34 | 1 26 | 14 25 | 0 53 | 17 2 | 0 5 | 24 37 | 0 42 | 21 3 | 0 9 | 21 45 | 0 37 | 4 4 | 11 12 | 23 55 | 23 55 | 15 13 | | n.a. |
| M13 | 10 29 | 22 19 | 2 58 | 5 48 | 0 20 | 16 10 | 1 27 | 14 31 | 0 52 | 17 4 | 0 5 | 24 37 | 0 42 | 21 4 | 0 9 | 21 45 | 0 37 | 4 3 | 11 11 | 23 55 | 23 55 | 15 10 | | n.a. |
| T 14 | 10 7 | 24 5 | 1 56 | 5 6 | 0 26 | 15 45 | 1 27 | 14 36 | 0 51 | 17 7 | 0 5 | 24 37 | 0 42 | 21 4 | 0 9 | 21 45 | 0 37 | 4 1 | 11 11 | 23 55 | 23 55 | 15 8 | | n.a. |
| W15 | 9 45 | 24 27 | 0 45 | 4 23 | 0 33 | 15 20 | 1 27 | 14 41 | 0 49 | 17 9 | 0 5 | 24 37 | 0 42 | 21 4 | 0 9 | 21 45 | 0 37 | 4 0 | 11 11 | 23 55 | 23 55 | 15 5 | | n.a. |
| T 16 | 9 22 | 23 16 | 0s30 | 3 40 | 0 40 | 14 54 | 1 27 | 14 47 | 0 48 | 17 12 | 0 5 | 24 37 | 0 42 | 21 4 | 0 9 | 21 45 | 0 37 | 3 59 | 11 10 | 23 55 | 23 55 | 15 3 | | n.a. |
| F 17 | 8 59 | 20 31 | 1 45 | 2 58 | 0 46 | 14 28 | 1 27 | 14 52 | 0 47 | 17 14 | 0 5 | 24 37 | 0 42 | 21 4 | 0 9 | 21 45 | 0 37 | 3 58 | 11 10 | 23 55 | 23 55 | 15 1 | | n.a. |
| S 18 | 8 36 | 16 23 | 2 55 | 2 16 | 0 53 | 14 2 | 1 27 | 14 56 | 0 45 | 17 17 | 0 4 | 24 37 | 0 42 | 21 5 | 0 9 | 21 45 | 0 37 | 3 57 | 11 10 | 23 55 | 23 55 | 14 58 | | n.a. |
| S 19 | 8 13 | 11 9 | 3 53 | 1 33 | 1 0 | 13 35 | 1 27 | 15 1 | 0 44 | 17 20 | 0 4 | 24 37 | 0 42 | 21 5 | 0 9 | 21 45 | 0 37 | 3 56 | 11 10 | 23 55 | 23 55 | 14 56 | | n.a. |
| M20 | 7 50 | 5 14 | 4 35 | 0 51 | 1 6 | 13 8 | 1 27 | 15 5 | 0 42 | 17 22 | 0 4 | 24 37 | 0 42 | 21 5 | 0 9 | 21 45 | 0 37 | 3 55 | 11 9 | 23 55 | 23 55 | 14 53 | | n.a. |
| T 21 | 7 27 | 0s56 | 4 58 | 0 9 | 1 13 | 12 40 | 1 26 | 15 9 | 0 41 | 17 25 | 0 4 | 24 37 | 0 42 | 21 5 | 0 9 | 21 45 | 0 37 | 3 54 | 11 9 | 23 55 | 23 55 | 14 51 | | n.a. |
| W22 | 7 3 | 6 56 | 5 0 | 0s32 | 1 19 | 12 13 | 1 26 | 15 13 | 0 39 | 17 28 | 0 4 | 24 37 | 0 42 | 21 5 | 0 9 | 21 46 | 0 37 | 3 53 | 11 9 | 23 55 | 23 55 | 14 48 | | n.a. |
| T 23 | 6 39 | 12 25 | 4 43 | 1 13 | 1 25 | 11 44 | 1 26 | 15 17 | 0 37 | 17 31 | 0 4 | 24 37 | 0 42 | 21 6 | 0 9 | 21 46 | 0 37 | 3 52 | 11 8 | 23 55 | 23 55 | 14 46 | | n.a. |
| F 24 | 6 16 | 17 3 | 4 10 | 1 54 | 1 31 | 11 16 | 1 25 | 15 21 | 0 36 | 17 34 | 0 4 | 24 37 | 0 42 | 21 6 | 0 9 | 21 46 | 0 37 | 3 51 | 11 8 | 23 55 | 23 55 | 14 44 | | n.a. |
| S 25 | 5 52 | 20 39 | 3 24 | 2 35 | 1 37 | 10 47 | 1 25 | 15 24 | 0 34 | 17 37 | 0 4 | 24 37 | 0 42 | 21 6 | 0 9 | 21 46 | 0 37 | 3 50 | 11 8 | 23 55 | 23 55 | 14 41 | | n.a. |
| S 26 | 5 28 | 23 5 | 2 28 | 3 15 | 1 43 | 10 18 | 1 24 | 15 27 | 0 32 | 17 39 | 0 3 | 24 37 | 0 42 | 21 7 | 0 9 | 21 46 | 0 37 | 3 49 | 11 8 | 23 55 | 23 55 | 14 39 | | n.a. |
| M27 | 5 4 | 24 15 | 1 27 | 3 55 | 1 49 | 9 48 | 1 24 | 15 30 | 0 31 | 17 42 | 0 3 | 24 37 | 0 42 | 21 7 | 0 9 | 21 46 | 0 37 | 3 48 | 11 7 | 23 55 | 23 55 | 14 36 | | n.a. |
| T 28 | 4 40 | 24 13 | 0 23 | 4 34 | 1 54 | 9 19 | 1 23 | 15 33 | 0 29 | 17 45 | 0 3 | 24 37 | 0 42 | 21 7 | 0 9 | 21 46 | 0 37 | 3 47 | 11 7 | 23 55 | 23 55 | 14 34 | | n.a. |
| W29 | 4 16 | 23 2 | 0n41 | 5 13 | 1 59 | 8 49 | 1 22 | 15 36 | 0 27 | 17 48 | 0 3 | 24 37 | 0 42 | 21 8 | 0 9 | 21 46 | 0 37 | 3 46 | 11 7 | 23 55 | 23 55 | 14 31 | | n.a. |
| T 30 | 3n51 | 20s51 | 1n41 | 5s51 | 2s 4 | 8n18 | 1n21 | 15n38 | 0s25 | 17s51 | 0n 3 | 24s37 | 0s42 | 21s 8 | 0s 9 | 21s46 | 0n37 | 3n45 | 11n 7 | 23s55 | 23s55 | 14s29 | | n.a. |

Julian Day Number = 1007602.5, Delta T = 12h43m48s
Ecliptic obliquity = 23°55'10, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'09, Lahiri = -30°54'08 Julian Calendar 1 Sept. 1955 BCE == Greg. Calendar 15 Aug. 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## OCTOBER 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 31 36 | 21♍27'53 | 0♒57 | 11♎ 9 | 13♍37 | 12♉58 | 19♏28 | 28♐33 | 2♐ 5 | 9♐55 | 16♎12 | 29°R33 | 28♐42 | 11♒ 8 | n.a. | F 1 |
| S 2 | 23 35 32 | 22°28'35 | 12°46 | 12°30 | 14°53 | 12°R58 | 19°38 | 28°34 | 2° 7 | 9°56 | 16°14 | 29♐26 | 28°38 | 11°15 | n.a. | S 2 |
| S 3 | 23 39 29 | 23°29'19 | 24°39 | 13°50 | 16° 8 | 12°58 | 19°49 | 28°36 | 2° 9 | 9°57 | 16°16 | 29°17 | 28°35 | 11°22 | n.a. | S 3 |
| M 4 | 23 43 25 | 24°30'05 | 6♓40 | 15° 8 | 17°24 | 12°57 | 19°59 | 28°37 | 2°11 | 9°58 | 16°19 | 29° 5 | 28°32 | 11°28 | n.a. | M 4 |
| T 5 | 23 47 22 | 25°30'52 | 18°49 | 16°25 | 18°40 | 12°55 | 20°10 | 28°39 | 2°12 | 9°59 | 16°21 | 28°51 | 28°29 | 11°35 | n.a. | T 5 |
| W 6 | 23 51 19 | 26°31'40 | 1♈ 8 | 17°41 | 19°55 | 12°52 | 20°21 | 28°41 | 2°14 | 10° 0 | 16°23 | 28°36 | 28°26 | 11°42 | n.a. | W 6 |
| T 7 | 23 55 15 | 27°32'30 | 13°38 | 18°54 | 21°11 | 12°48 | 20°32 | 28°42 | 2°16 | 10° 1 | 16°25 | 28°22 | 28°23 | 11°48 | n.a. | T 7 |
| F 8 | 23 59 12 | 28°33'22 | 26°18 | 20° 6 | 22°27 | 12°43 | 20°43 | 28°44 | 2°18 | 10° 2 | 16°28 | 28°10 | 28°19 | 11°55 | n.a. | F 8 |
| S 9 | 0 3 8 | 29°34'15 | 9♉ 8 | 21°15 | 23°42 | 12°38 | 20°54 | 28°46 | 2°20 | 10° 3 | 16°30 | 28° 0 | 28°16 | 12° 2 | n.a. | S 9 |
| S 10 | 0 7 5 | 0♎35'09 | 22° 9 | 22°21 | 24°58 | 12°32 | 21° 5 | 28°48 | 2°22 | 10° 4 | 16°32 | 27°54 | 28°13 | 12° 8 | n.a. | S 10 |
| M11 | 0 11 1 | 1°36'06 | 5♊22 | 23°25 | 26°14 | 12°25 | 21°17 | 28°51 | 2°24 | 10° 5 | 16°34 | 27°50 | 28°10 | 12°15 | n.a. | M11 |
| T 12 | 0 14 58 | 2°37'03 | 18°49 | 24°24 | 27°29 | 12°17 | 21°28 | 28°53 | 2°27 | 10° 6 | 16°37 | 27°49 | 28° 7 | 12°22 | n.a. | T 12 |
| W13 | 0 18 54 | 3°38'03 | 2♋29 | 25°20 | 28°45 | 12° 8 | 21°40 | 28°55 | 2°29 | 10° 7 | 16°39 | 27°49 | 28° 4 | 12°29 | n.a. | W13 |
| T 14 | 0 22 51 | 4°39'04 | 16°26 | 26°11 | 0♎ 1 | 11°58 | 21°51 | 28°58 | 2°31 | 10° 8 | 16°41 | 27°48 | 28° 0 | 12°35 | n.a. | T 14 |
| F 15 | 0 26 48 | 5°40'06 | 0♌39 | 26°57 | 1°16 | 11°47 | 22° 3 | 29° 1 | 2°33 | 10° 9 | 16°44 | 27°46 | 27°57 | 12°42 | n.a. | F 15 |
| S 16 | 0 30 44 | 6°41'10 | 15° 8 | 27°37 | 2°32 | 11°36 | 22°15 | 29° 3 | 2°35 | 10°11 | 16°46 | 27°42 | 27°54 | 12°49 | n.a. | S 16 |
| S 17 | 0 34 41 | 7°42'15 | 29°48 | 28°10 | 3°48 | 11°24 | 22°27 | 29° 6 | 2°38 | 10°12 | 16°48 | 27°35 | 27°51 | 12°55 | n.a. | S 17 |
| M18 | 0 38 37 | 8°43'22 | 14♍33 | 28°36 | 5° 3 | 11°11 | 22°39 | 29° 9 | 2°40 | 10°13 | 16°51 | 27°25 | 27°48 | 13° 2 | n.a. | M18 |
| T 19 | 0 42 34 | 9°44'29 | 29°17 | 28°54 | 6°19 | 10°57 | 22°51 | 29°12 | 2°43 | 10°14 | 16°53 | 27°14 | 27°44 | 13° 9 | n.a. | T 19 |
| W20 | 0 46 30 | 10°45'38 | 13♎50 | 29°R 2 | 7°35 | 10°42 | 23° 3 | 29°15 | 2°45 | 10°16 | 16°55 | 27° 2 | 27°41 | 13°15 | n.a. | W20 |
| T 21 | 0 50 27 | 11°46'48 | 28° 6 | 29° 1 | 8°51 | 10°26 | 23°15 | 29°19 | 2°48 | 10°17 | 16°58 | 26°50 | 27°38 | 13°22 | n.a. | T 21 |
| F 22 | 0 54 23 | 12°47'58 | 11♏59 | 28°49 | 10° 6 | 10°10 | 23°27 | 29°22 | 2°50 | 10°19 | 17° 0 | 26°41 | 27°35 | 13°29 | n.a. | F 22 |
| S 23 | 0 58 20 | 13°49'10 | 25°25 | 28°26 | 11°22 | 9°53 | 23°40 | 29°25 | 2°53 | 10°20 | 17° 2 | 26°34 | 27°32 | 13°35 | n.a. | S 23 |
| S 24 | 1 2 17 | 14°50'22 | 8♐26 | 27°52 | 12°38 | 9°36 | 23°52 | 29°29 | 2°55 | 10°22 | 17° 5 | 26°31 | 27°29 | 13°42 | n.a. | S 24 |
| M25 | 1 6 13 | 15°51'35 | 21° 3 | 27° 6 | 13°53 | 9°17 | 24° 5 | 29°32 | 2°58 | 10°23 | 17° 7 | 26°D29 | 27°25 | 13°49 | n.a. | M25 |
| T 26 | 1 10 10 | 16°52'48 | 3♑20 | 26°10 | 15° 9 | 8°58 | 24°17 | 29°36 | 3° 1 | 10°25 | 17° 9 | 26°29 | 27°22 | 13°55 | n.a. | T 26 |
| W27 | 1 14 6 | 17°54'02 | 15°22 | 25° 5 | 16°25 | 8°39 | 24°30 | 29°40 | 3° 3 | 10°26 | 17°12 | 26°R30 | 27°19 | 14° 2 | n.a. | W27 |
| T 28 | 1 18 3 | 18°55'16 | 27°15 | 23°51 | 17°40 | 8°18 | 24°43 | 29°44 | 3° 6 | 10°28 | 17°14 | 26°29 | 27°16 | 14° 9 | n.a. | T 28 |
| F 29 | 1 21 59 | 19°56'30 | 9♒ 4 | 22°32 | 18°56 | 7°58 | 24°55 | 29°48 | 3° 9 | 10°29 | 17°16 | 26°27 | 27°13 | 14°15 | n.a. | F 29 |
| S 30 | 1 25 56 | 20°57'45 | 20°55 | 21° 9 | 20°12 | 7°37 | 25° 8 | 29°52 | 3°12 | 10°31 | 17°19 | 26°23 | 27° 9 | 14°22 | n.a. | S 30 |
| S 31 | 1 29 53 | 21♎59'01 | 2♓51 | 19♎47 | 21♎27 | 7♉15 | 25♏21 | 29♐56 | 3♐14 | 10♐32 | 17♎21 | 26♐16 | 27♐ 6 | 14♒29 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 3n27 | 17s47 | 2n38 | 6s28 | 2s 9 | 7n48 | 1n20 | 15n40 | 0s24 | 17s54 | 0n 3 | 24s37 | 0s42 | 21s 8 | 0s 9 | 21s47 | 0n37 | 3n44 | 11n 6 | 23s55 | 23s55 | 14s26 | | n.a. | F 1 |
| S 2 | 3 3 | 14 1 | 3 27 | 7 4 | 2 13 | 7 17 | 1 19 | 15 42 | 0 22 | 17 57 | 0 3 | 24 37 | 0 43 | 21 9 | 0 9 | 21 47 | 0 37 | 3 43 | 11 6 | 23 55 | 23 55 | 14 24 | | n.a. | S 2 |
| S 3 | 2 38 | 9 41 | 4 7 | 7 40 | 2 17 | 6 46 | 1 18 | 15 44 | 0 20 | 18 0 | 0 2 | 24 37 | 0 43 | 21 9 | 0 9 | 21 47 | 0 37 | 3 42 | 11 6 | 23 55 | 23 55 | 14 21 | | n.a. | S 3 |
| M 4 | 2 14 | 4 58 | 4 37 | 8 14 | 2 21 | 6 15 | 1 17 | 15 45 | 0 18 | 18 3 | 0 2 | 24 37 | 0 43 | 21 9 | 0 9 | 21 47 | 0 37 | 3 41 | 11 6 | 23 55 | 23 55 | 14 19 | | n.a. | M 4 |
| T 5 | 1 49 | 0n 0 | 4 55 | 8 48 | 2 25 | 5 44 | 1 16 | 15 47 | 0 16 | 18 6 | 0 2 | 24 37 | 0 43 | 21 10 | 0 9 | 21 47 | 0 37 | 3 40 | 11 5 | 23 55 | 23 55 | 14 16 | | n.a. | T 5 |
| W 6 | 1 24 | 5 1 | 4 59 | 9 20 | 2 28 | 5 13 | 1 15 | 15 48 | 0 14 | 18 9 | 0 2 | 24 37 | 0 43 | 21 10 | 0 9 | 21 47 | 0 37 | 3 39 | 11 5 | 23 55 | 23 55 | 14 14 | | n.a. | W 6 |
| T 7 | 1 0 | 9 54 | 4 49 | 9 51 | 2 30 | 4 41 | 1 14 | 15 48 | 0 12 | 18 13 | 0 2 | 24 37 | 0 43 | 21 10 | 0 9 | 21 48 | 0 37 | 3 37 | 11 5 | 23 55 | 23 55 | 14 12 | | n.a. | T 7 |
| F 8 | 0 35 | 14 27 | 4 25 | 10 21 | 2 32 | 4 10 | 1 13 | 15 49 | 0 10 | 18 16 | 0 2 | 24 37 | 0 43 | 21 11 | 0 9 | 21 48 | 0 37 | 3 36 | 11 5 | 23 54 | 23 55 | 14 9 | | n.a. | F 8 |
| S 9 | 0 10 | 18 24 | 3 47 | 10 49 | 2 34 | 3 38 | 1 11 | 15 49 | 0 7 | 18 19 | 0 2 | 24 37 | 0 43 | 21 11 | 0 9 | 21 48 | 0 37 | 3 35 | 11 5 | 23 54 | 23 54 | 14 7 | | n.a. | S 9 |
| S 10 | 0s14 | 21 30 | 2 56 | 11 15 | 2 34 | 3 6 | 1 10 | 15 49 | 0 5 | 18 22 | 0 2 | 24 37 | 0 43 | 21 12 | 0 9 | 21 48 | 0 37 | 3 34 | 11 4 | 23 54 | 23 54 | 14 4 | | n.a. | S 10 |
| M11 | 0 39 | 23 31 | 1 56 | 11 39 | 2 34 | 2 34 | 1 8 | 15 49 | 0 3 | 18 25 | 0 1 | 24 37 | 0 43 | 21 12 | 0 9 | 21 48 | 0 37 | 3 33 | 11 4 | 23 54 | 23 54 | 14 2 | | n.a. | M11 |
| T 12 | 1 4 | 24 13 | 0 47 | 12 1 | 2 34 | 2 2 | 1 7 | 15 49 | 0 1 | 18 28 | 0 1 | 24 38 | 0 43 | 21 12 | 0 9 | 21 49 | 0 36 | 3 32 | 11 4 | 23 54 | 23 54 | 13 59 | | n.a. | T 12 |
| W13 | 1 28 | 23 29 | 0s25 | 12 21 | 2 32 | 1 30 | 1 5 | 15 48 | 0n 1 | 18 31 | 0 1 | 24 38 | 0 43 | 21 13 | 0 9 | 21 49 | 0 36 | 3 31 | 11 4 | 23 54 | 23 54 | 13 57 | | n.a. | W13 |
| T 14 | 1 53 | 21 17 | 1 37 | 12 38 | 2 30 | 0 58 | 1 4 | 15 47 | 0 4 | 18 35 | 0 1 | 24 38 | 0 43 | 21 13 | 0 9 | 21 49 | 0 36 | 3 30 | 11 4 | 23 54 | 23 54 | 13 54 | | n.a. | T 14 |
| F 15 | 2 18 | 17 44 | 2 44 | 12 52 | 2 27 | 0 26 | 1 2 | 15 46 | 0 6 | 18 38 | 0 1 | 24 38 | 0 43 | 21 14 | 0 9 | 21 49 | 0 36 | 3 29 | 11 4 | 23 54 | 23 54 | 13 52 | | n.a. | F 15 |
| S 16 | 2 42 | 13 5 | 3 42 | 13 2 | 2 22 | 0s 6 | 1 0 | 15 45 | 0 8 | 18 41 | 0 1 | 24 38 | 0 43 | 21 14 | 0 9 | 21 49 | 0 36 | 3 28 | 11 3 | 23 54 | 23 54 | 13 49 | | n.a. | S 16 |
| S 17 | 3 7 | 7 37 | 4 27 | 13 9 | 2 17 | 0 39 | 0 59 | 15 43 | 0 11 | 18 44 | 0 1 | 24 38 | 0 43 | 21 15 | 0 9 | 21 50 | 0 36 | 3 27 | 11 3 | 23 54 | 23 54 | 13 47 | | n.a. | S 17 |
| M18 | 3 32 | 1 42 | 4 53 | 13 12 | 2 10 | 1 11 | 0 57 | 15 41 | 0 13 | 18 48 | 0 1 | 24 38 | 0 43 | 21 15 | 0 9 | 21 50 | 0 36 | 3 26 | 11 3 | 23 54 | 23 54 | 13 44 | | n.a. | M18 |
| T 19 | 3 56 | 4s17 | 5 1 | 13 11 | 2 1 | 1 43 | 0 55 | 15 39 | 0 15 | 18 51 | 0 0 | 24 38 | 0 43 | 21 16 | 0 9 | 21 50 | 0 36 | 3 25 | 11 3 | 23 53 | 23 54 | 13 42 | | n.a. | T 19 |
| W20 | 4 20 | 9 58 | 4 48 | 13 5 | 1 52 | 2 15 | 0 53 | 15 37 | 0 18 | 18 54 | 0 0 | 24 38 | 0 43 | 21 16 | 0 9 | 21 50 | 0 36 | 3 24 | 11 3 | 23 53 | 23 54 | 13 39 | | n.a. | W20 |
| T 21 | 4 45 | 15 0 | 4 18 | 12 54 | 1 40 | 2 47 | 0 51 | 15 34 | 0 20 | 18 57 | 0 0 | 24 38 | 0 43 | 21 17 | 0 9 | 21 51 | 0 36 | 3 23 | 11 3 | 23 53 | 23 54 | 13 37 | | n.a. | T 21 |
| F 22 | 5 9 | 19 6 | 3 33 | 12 37 | 1 27 | 3 19 | 0 49 | 15 31 | 0 23 | 19 1 | 0 0 | 24 38 | 0 43 | 21 17 | 0 9 | 21 51 | 0 36 | 3 22 | 11 3 | 23 53 | 23 54 | 13 34 | | n.a. | F 22 |
| S 23 | 5 33 | 22 2 | 2 37 | 12 15 | 1 13 | 3 51 | 0 47 | 15 28 | 0 25 | 19 4 | 0s 0 | 24 38 | 0 43 | 21 18 | 0 9 | 21 51 | 0 36 | 3 21 | 11 2 | 23 52 | 23 54 | 13 32 | | n.a. | S 23 |
| S 24 | 5 58 | 23 42 | 1 34 | 11 48 | 0 56 | 4 23 | 0 45 | 15 25 | 0 28 | 19 7 | 0 0 | 24 38 | 0 43 | 21 18 | 0 9 | 21 51 | 0 36 | 3 20 | 11 2 | 23 52 | 23 54 | 13 29 | | n.a. | S 24 |
| M25 | 6 22 | 24 5 | 0 29 | 11 15 | 0 39 | 4 55 | 0 43 | 15 21 | 0 30 | 19 10 | 0 0 | 24 38 | 0 43 | 21 19 | 0 9 | 21 51 | 0 36 | 3 19 | 11 2 | 23 52 | 23 54 | 13 27 | | n.a. | M25 |
| T 26 | 6 46 | 23 16 | 0n36 | 10 36 | 0 20 | 5 27 | 0 41 | 15 17 | 0 33 | 19 14 | 0 0 | 24 38 | 0 43 | 21 19 | 0 9 | 21 52 | 0 36 | 3 18 | 11 2 | 23 52 | 23 54 | 13 24 | | n.a. | T 26 |
| W27 | 7 10 | 21 23 | 1 39 | 9 54 | 0n 0 | 5 58 | 0 39 | 15 13 | 0 35 | 19 17 | 0 1 | 24 38 | 0 43 | 21 20 | 0 9 | 21 52 | 0 36 | 3 17 | 11 2 | 23 52 | 23 53 | 13 22 | | n.a. | W27 |
| T 28 | 7 33 | 18 35 | 2 36 | 9 7 | 0 21 | 6 30 | 0 37 | 15 9 | 0 38 | 19 20 | 0 1 | 24 38 | 0 43 | 21 20 | 0 9 | 21 52 | 0 36 | 3 16 | 11 2 | 23 52 | 23 53 | 13 19 | | n.a. | T 28 |
| F 29 | 7 57 | 15 2 | 3 26 | 8 18 | 0 41 | 7 1 | 0 35 | 15 5 | 0 40 | 19 23 | 0 1 | 24 38 | 0 43 | 21 21 | 0 9 | 21 52 | 0 36 | 3 15 | 11 2 | 23 52 | 23 53 | 13 17 | | n.a. | F 29 |
| S 30 | 8 20 | 10 54 | 4 8 | 7 28 | 1 1 | 7 32 | 0 33 | 15 0 | 0 43 | 19 27 | 0 1 | 24 38 | 0 43 | 21 22 | 0 9 | 21 53 | 0 36 | 3 14 | 11 2 | 23 52 | 23 53 | 13 14 | | n.a. | S 30 |
| S 31 | 8s44 | 6s20 | 4n39 | 6s39 | 1n21 | 8s 3 | 0n31 | 14n55 | 0n45 | 19s30 | 0s 1 | 24s38 | 0s43 | 21s22 | 0s 9 | 21s53 | 0n36 | 3n13 | 11n 2 | 23s52 | 23s53 | 13s12 | | n.a. | S 31 |

Julian Day Number = 1007632.5, Delta T = 12h43m46s
Ecliptic obliquity = 23°55'11, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'05, Lahiri = -30°54'04 Julian Calendar 1 Oct. 1955 BCE == Greg. Calendar 14 Sept. 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## NOVEMBER 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 33 49 | 23♎ 0'16 | 14♓57 | 18°R27 | 22♎43 | 6°R53 | 25♏34 | 29♐59 | 3♐17 | 10♐34 | 17♎23 | 26°R 6 | 27♐ 3 | 14♒36 | n.a. | M 1 |
| T 2 | 1 37 46 | 24° 1'32 | 27°15 | 17♎11 | 23°58 | 6♉30 | 25°47 | 0♑ 4 | 3°20 | 10°36 | 17°26 | 25♐55 | 27° 0 | 14°42 | n.a. | T 2 |
| W 3 | 1 41 42 | 25° 2'48 | 9♈47 | 16° 4 | 25°14 | 6° 7 | 26° 0 | 0° 9 | 3°23 | 10°37 | 17°28 | 25°43 | 26°57 | 14°49 | n.a. | W 3 |
| T 4 | 1 45 39 | 26° 4'05 | 22°33 | 15° 5 | 26°29 | 5°44 | 26°13 | 0°13 | 3°26 | 10°39 | 17°30 | 25°32 | 26°54 | 14°56 | n.a. | T 4 |
| F 5 | 1 49 35 | 27° 5'22 | 5♉33 | 14°16 | 27°45 | 5°21 | 26°26 | 0°18 | 3°29 | 10°41 | 17°33 | 25°22 | 26°50 | 15° 2 | n.a. | F 5 |
| S 6 | 1 53 32 | 28° 6'39 | 18°46 | 13°38 | 29° 1 | 4°57 | 26°40 | 0°22 | 3°32 | 10°43 | 17°35 | 25°14 | 26°47 | 15° 9 | n.a. | S 6 |
| S 7 | 1 57 28 | 29° 7'57 | 2♊ 9 | 13°11 | 0♏16 | 4°33 | 26°53 | 0°27 | 3°35 | 10°45 | 17°37 | 25° 9 | 26°44 | 15°16 | n.a. | S 7 |
| M 8 | 2 1 25 | 0♏ 9'16 | 15°43 | 12°54 | 1°32 | 4° 9 | 27° 6 | 0°32 | 3°38 | 10°46 | 17°40 | 25° 7 | 26°41 | 15°22 | n.a. | M 8 |
| T 9 | 2 5 22 | 1°10'35 | 29°25 | 12°D48 | 2°47 | 3°45 | 27°20 | 0°37 | 3°41 | 10°48 | 17°42 | 25°D 6 | 26°38 | 15°29 | n.a. | T 9 |
| W10 | 2 9 18 | 2°11'54 | 13♋16 | 12°52 | 4° 3 | 3°21 | 27°33 | 0°41 | 3°44 | 10°50 | 17°44 | 25° 7 | 26°35 | 15°36 | n.a. | W10 |
| T 11 | 2 13 15 | 3°13'14 | 27°14 | 13° 5 | 5°18 | 2°57 | 27°46 | 0°46 | 3°47 | 10°52 | 17°46 | 25°R 8 | 26°31 | 15°42 | n.a. | T 11 |
| F 12 | 2 17 11 | 4°14'34 | 11♌20 | 13°26 | 6°34 | 2°34 | 28° 0 | 0°51 | 3°51 | 10°54 | 17°49 | 25° 8 | 26°28 | 15°49 | n.a. | F 12 |
| S 13 | 2 21 8 | 5°15'54 | 25°32 | 13°54 | 7°49 | 2°10 | 28°14 | 0°57 | 3°54 | 10°56 | 17°51 | 25° 6 | 26°25 | 15°56 | n.a. | S 13 |
| S 14 | 2 25 4 | 6°17'15 | 9♍49 | 14°29 | 9° 5 | 1°46 | 28°27 | 1° 2 | 3°57 | 10°58 | 17°53 | 25° 2 | 26°22 | 16° 3 | n.a. | S 14 |
| M15 | 2 29 1 | 7°18'36 | 24° 6 | 15°10 | 10°20 | 1°23 | 28°41 | 1° 7 | 4° 0 | 11° 0 | 17°56 | 24°56 | 26°19 | 16° 9 | n.a. | M15 |
| T 16 | 2 32 58 | 8°19'57 | 8♎21 | 15°57 | 11°36 | 1° 0 | 28°54 | 1°12 | 4° 4 | 11° 2 | 17°58 | 24°48 | 26°15 | 16°16 | n.a. | T 16 |
| W17 | 2 36 54 | 9°21'18 | 22°27 | 16°48 | 12°51 | 0°37 | 29° 8 | 1°18 | 4° 7 | 11° 4 | 18° 0 | 24°40 | 26°12 | 16°23 | n.a. | W17 |
| T 18 | 2 40 51 | 10°22'40 | 6♏21 | 17°43 | 14° 7 | 0°14 | 29°22 | 1°23 | 4°10 | 11° 6 | 18° 2 | 24°33 | 26° 9 | 16°29 | n.a. | T 18 |
| F 19 | 2 44 47 | 11°24'01 | 19°57 | 18°42 | 15°22 | 29♈52 | 29°36 | 1°29 | 4°13 | 11° 8 | 18° 4 | 24°27 | 26° 6 | 16°36 | n.a. | F 19 |
| S 20 | 2 48 44 | 12°25'22 | 3♐13 | 19°44 | 16°38 | 29°31 | 29°50 | 1°35 | 4°17 | 11°10 | 18° 7 | 24°22 | 26° 3 | 16°43 | n.a. | S 20 |
| S 21 | 2 52 40 | 13°26'42 | 16° 9 | 20°50 | 17°53 | 29°10 | 0♐ 3 | 1°40 | 4°20 | 11°12 | 18° 9 | 24°20 | 26° 0 | 16°49 | n.a. | S 21 |
| M22 | 2 56 37 | 14°28'02 | 28°44 | 21°58 | 19° 8 | 28°49 | 0°17 | 1°46 | 4°23 | 11°14 | 18°11 | 24°D20 | 25°56 | 16°56 | n.a. | M22 |
| T 23 | 3 0 33 | 15°29'22 | 11♑ 3 | 23° 8 | 20°24 | 28°29 | 0°31 | 1°52 | 4°27 | 11°16 | 18°13 | 24°21 | 25°53 | 17° 3 | n.a. | T 23 |
| W24 | 3 4 30 | 16°30'40 | 23° 7 | 24°20 | 21°39 | 28°10 | 0°45 | 1°58 | 4°30 | 11°18 | 18°15 | 24°23 | 25°50 | 17° 9 | n.a. | W24 |
| T 25 | 3 8 27 | 17°31'59 | 5♒ 2 | 25°35 | 22°55 | 27°51 | 0°59 | 2° 4 | 4°34 | 11°20 | 18°17 | 24°24 | 25°47 | 17°16 | n.a. | T 25 |
| F 26 | 3 12 23 | 18°33'16 | 16°52 | 26°50 | 24°10 | 27°33 | 1°13 | 2°10 | 4°37 | 11°22 | 18°19 | 24°R25 | 25°44 | 17°23 | n.a. | F 26 |
| S 27 | 3 16 20 | 19°34'32 | 28°44 | 28° 8 | 25°25 | 27°15 | 1°27 | 2°16 | 4°40 | 11°24 | 18°22 | 24°25 | 25°40 | 17°30 | n.a. | S 27 |
| S 28 | 3 20 16 | 20°35'48 | 10♓41 | 29°27 | 26°41 | 26°59 | 1°41 | 2°22 | 4°44 | 11°27 | 18°24 | 24°23 | 25°37 | 17°36 | n.a. | S 28 |
| M29 | 3 24 13 | 21°37'03 | 22°48 | 0♏47 | 27°56 | 26°43 | 1°55 | 2°28 | 4°47 | 11°29 | 18°26 | 24°19 | 25°34 | 17°43 | n.a. | M29 |
| T 30 | 3 28 9 | 22♏38'17 | 5♈10 | 2♏ 8 | 29♏11 | 26♈27 | 2♐ 9 | 2♑34 | 4♐51 | 11♐31 | 18♎28 | 24♐14 | 25♐31 | 17♒50 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 9s 7 | 1s29 | 4n58 | 5s51 | 1n39 | 8s34 | 0n28 | 14n50 | 0n48 | 19s33 | 0s 1 | 24s38 | 0s43 | 21s23 | 0s 9 | 21s53 | 0n36 | 3n12 | 11n 2 | 23s52 | 23s53 | 13s 9 | | n.a. |
| T 2 | 9 30 | 3n30 | 5 3 | 5 7 | 1 55 | 9 5 | 0 26 | 14 45 | 0 50 | 19 37 | 0 1 | 24 38 | 0 43 | 21 23 | 0 9 | 21 54 | 0 36 | 3 12 | 11 2 | 23 51 | 23 53 | 13 6 | | n.a. |
| W 3 | 9 53 | 8 26 | 4 54 | 4 27 | 2 9 | 9 35 | 0 24 | 14 39 | 0 53 | 19 40 | 0 1 | 24 38 | 0 43 | 21 24 | 0 9 | 21 54 | 0 36 | 3 11 | 11 2 | 23 51 | 23 53 | 13 4 | | n.a. |
| T 4 | 10 16 | 13 7 | 4 31 | 3 53 | 2 21 | 10 5 | 0 22 | 14 34 | 0 55 | 19 43 | 0 1 | 24 38 | 0 43 | 21 24 | 0 9 | 21 54 | 0 36 | 3 10 | 11 2 | 23 51 | 23 53 | 13 1 | | n.a. |
| F 5 | 10 38 | 17 17 | 3 53 | 3 25 | 2 32 | 10 35 | 0 19 | 14 28 | 0 58 | 19 46 | 0 2 | 24 38 | 0 43 | 21 25 | 0 9 | 21 54 | 0 36 | 3 9 | 11 2 | 23 50 | 23 53 | 12 59 | | n.a. |
| S 6 | 11 1 | 20 39 | 3 2 | 3 2 | 2 39 | 11 4 | 0 17 | 14 22 | 1 0 | 19 50 | 0 2 | 24 38 | 0 43 | 21 26 | 0 9 | 21 55 | 0 36 | 3 8 | 11 2 | 23 50 | 23 53 | 12 56 | | n.a. |
| S 7 | 11 23 | 22 58 | 2 0 | 2 46 | 2 45 | 11 34 | 0 15 | 14 16 | 1 3 | 19 53 | 0 2 | 24 38 | 0 43 | 21 26 | 0 9 | 21 55 | 0 36 | 3 7 | 11 2 | 23 50 | 23 53 | 12 54 | | n.a. |
| M 8 | 11 45 | 23 58 | 0 50 | 2 36 | 2 49 | 12 3 | 0 12 | 14 10 | 1 5 | 19 56 | 0 2 | 24 38 | 0 43 | 21 27 | 0 9 | 21 55 | 0 36 | 3 6 | 11 2 | 23 50 | 23 53 | 12 51 | | n.a. |
| T 9 | 12 7 | 23 32 | 0s23 | 2 32 | 2 52 | 12 32 | 0 10 | 14 4 | 1 7 | 19 59 | 0 2 | 24 38 | 0 43 | 21 27 | 0 9 | 21 56 | 0 36 | 3 5 | 11 2 | 23 50 | 23 53 | 12 49 | | n.a. |
| W10 | 12 29 | 21 39 | 1 36 | 2 33 | 2 52 | 13 0 | 0 8 | 13 58 | 1 10 | 20 3 | 0 2 | 24 38 | 0 43 | 21 28 | 0 9 | 21 56 | 0 36 | 3 4 | 11 2 | 23 50 | 23 52 | 12 46 | | n.a. |
| T 11 | 12 50 | 18 27 | 2 44 | 2 38 | 2 52 | 13 28 | 0 5 | 13 52 | 1 12 | 20 6 | 0 2 | 24 38 | 0 43 | 21 29 | 0 9 | 21 56 | 0 36 | 3 4 | 11 2 | 23 50 | 23 52 | 12 44 | | n.a. |
| F 12 | 13 11 | 14 10 | 3 42 | 2 48 | 2 50 | 13 56 | 0 3 | 13 46 | 1 14 | 20 9 | 0 2 | 24 38 | 0 43 | 21 29 | 0 9 | 21 56 | 0 36 | 3 3 | 11 2 | 23 50 | 23 52 | 12 41 | | n.a. |
| S 13 | 13 32 | 9 4 | 4 28 | 3 2 | 2 47 | 14 23 | 0 1 | 13 39 | 1 16 | 20 12 | 0 2 | 24 38 | 0 43 | 21 30 | 0 9 | 21 57 | 0 36 | 3 2 | 11 2 | 23 50 | 23 52 | 12 39 | | n.a. |
| S 14 | 13 53 | 3 28 | 4 57 | 3 19 | 2 44 | 14 50 | 0s 2 | 13 33 | 1 19 | 20 15 | 0 3 | 24 38 | 0 43 | 21 30 | 0 9 | 21 57 | 0 36 | 3 1 | 11 2 | 23 49 | 23 52 | 12 36 | | n.a. |
| M15 | 14 14 | 2s18 | 5 7 | 3 39 | 2 39 | 15 17 | 0 4 | 13 27 | 1 21 | 20 19 | 0 3 | 24 38 | 0 43 | 21 31 | 0 9 | 21 57 | 0 36 | 3 0 | 11 2 | 23 49 | 23 52 | 12 34 | | n.a. |
| T 16 | 14 34 | 7 56 | 4 59 | 4 2 | 2 34 | 15 43 | 0 6 | 13 20 | 1 23 | 20 22 | 0 3 | 24 38 | 0 43 | 21 32 | 0 9 | 21 58 | 0 36 | 2 59 | 11 2 | 23 49 | 23 52 | 12 31 | | n.a. |
| W17 | 14 54 | 13 6 | 4 32 | 4 27 | 2 28 | 16 9 | 0 9 | 13 14 | 1 25 | 20 25 | 0 3 | 24 38 | 0 43 | 21 32 | 0 9 | 21 58 | 0 35 | 2 59 | 11 2 | 23 49 | 23 52 | 12 28 | | n.a. |
| T 18 | 15 14 | 17 31 | 3 50 | 4 54 | 2 22 | 16 34 | 0 11 | 13 8 | 1 27 | 20 28 | 0 3 | 24 38 | 0 43 | 21 33 | 0 9 | 21 58 | 0 35 | 2 58 | 11 2 | 23 48 | 23 52 | 12 26 | | n.a. |
| F 19 | 15 33 | 20 53 | 2 55 | 5 23 | 2 16 | 16 59 | 0 14 | 13 2 | 1 29 | 20 31 | 0 3 | 24 38 | 0 43 | 21 34 | 0 9 | 21 59 | 0 35 | 2 57 | 11 2 | 23 48 | 23 52 | 12 23 | | n.a. |
| S 20 | 15 52 | 23 3 | 1 52 | 5 53 | 2 9 | 17 24 | 0 16 | 12 56 | 1 30 | 20 34 | 0 3 | 24 38 | 0 43 | 21 34 | 0 9 | 21 59 | 0 35 | 2 56 | 11 2 | 23 48 | 23 52 | 12 21 | | n.a. |
| S 21 | 16 11 | 23 55 | 0 44 | 6 24 | 2 2 | 17 48 | 0 18 | 12 50 | 1 32 | 20 37 | 0 3 | 24 38 | 0 43 | 21 35 | 0 9 | 21 59 | 0 35 | 2 55 | 11 2 | 23 48 | 23 51 | 12 18 | | n.a. |
| M22 | 16 30 | 23 31 | 0n24 | 6 57 | 1 55 | 18 11 | 0 20 | 12 44 | 1 34 | 20 41 | 0 4 | 24 38 | 0 43 | 21 35 | 0 9 | 21 59 | 0 35 | 2 55 | 11 2 | 23 48 | 23 51 | 12 16 | | n.a. |
| T 23 | 16 48 | 21 58 | 1 30 | 7 30 | 1 47 | 18 34 | 0 23 | 12 38 | 1 36 | 20 44 | 0 4 | 24 38 | 0 43 | 21 36 | 0 9 | 22 0 | 0 35 | 2 54 | 11 2 | 23 48 | 23 51 | 12 13 | | n.a. |
| W24 | 17 6 | 19 26 | 2 30 | 8 4 | 1 40 | 18 57 | 0 25 | 12 33 | 1 37 | 20 47 | 0 4 | 24 38 | 0 43 | 21 37 | 0 9 | 22 0 | 0 35 | 2 53 | 11 2 | 23 48 | 23 51 | 12 11 | | n.a. |
| T 25 | 17 24 | 16 6 | 3 24 | 8 39 | 1 32 | 19 19 | 0 27 | 12 27 | 1 39 | 20 50 | 0 4 | 24 38 | 0 43 | 21 37 | 0 9 | 22 0 | 0 35 | 2 52 | 11 2 | 23 48 | 23 51 | 12 8 | | n.a. |
| F 26 | 17 42 | 12 9 | 4 8 | 9 14 | 1 24 | 19 40 | 0 30 | 12 22 | 1 41 | 20 53 | 0 4 | 24 38 | 0 43 | 21 38 | 0 9 | 22 1 | 0 35 | 2 52 | 11 2 | 23 48 | 23 51 | 12 5 | | n.a. |
| S 27 | 17 59 | 7 45 | 4 42 | 9 50 | 1 17 | 20 1 | 0 32 | 12 17 | 1 42 | 20 56 | 0 4 | 24 37 | 0 43 | 21 39 | 0 9 | 22 1 | 0 35 | 2 51 | 11 3 | 23 48 | 23 51 | 12 3 | | n.a. |
| S 28 | 18 15 | 3 2 | 5 3 | 10 25 | 1 9 | 20 21 | 0 34 | 12 12 | 1 43 | 20 59 | 0 4 | 24 37 | 0 43 | 21 39 | 0 9 | 22 1 | 0 35 | 2 50 | 11 3 | 23 48 | 23 51 | 12 0 | | n.a. |
| M29 | 18 32 | 1n51 | 5 12 | 11 1 | 1 1 | 20 41 | 0 36 | 12 7 | 1 45 | 21 2 | 0 4 | 24 37 | 0 44 | 21 40 | 0 9 | 22 2 | 0 35 | 2 50 | 11 3 | 23 48 | 23 51 | 11 58 | | n.a. |
| T 30 | 18s48 | 6n46 | 5n 7 | 11s37 | 0n53 | 21s 0 | 0s38 | 12n 3 | 1n46 | 21s 5 | 0s 4 | 24s37 | 0s44 | 21s41 | 0s 9 | 22s 2 | 0n35 | 2n49 | 11n 3 | 23s47 | 23s50 | 11s55 | | n.a. |

Julian Day Number = 1007663.5, Delta T = 12h43m44s
Ecliptic obliquity = 23°55'10, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°01'00, Lahiri = -30°54'00 Julian Calendar 1 Nov. 1955 BCE == Greg. Calendar 15 Oct. 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1955 BCE
# geocentric

## DECEMBER 1955 BCE (-1954) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 32 6 | 23♏39'30 | 17♈49 | 3♏30 | 0♐26 | 26°R13 | 2♐23 | 2♑40 | 4♐54 | 11♐33 | 18♎30 | 24°R 9 | 25♐28 | 17♒56 | n.a. | W 1 |
| T 2 | 3 36 3 | 24°40'42 | 0♉47 | 4°53 | 1°42 | 25♈59 | 2°37 | 2°47 | 4°58 | 11°35 | 18°32 | 24♐ 4 | 25°25 | 18° 3 | n.a. | T 2 |
| F 3 | 3 39 59 | 25°41'53 | 14° 3 | 6°17 | 2°57 | 25°46 | 2°52 | 2°53 | 5° 1 | 11°38 | 18°34 | 23°59 | 25°21 | 18°10 | n.a. | F 3 |
| S 4 | 3 43 56 | 26°43'04 | 27°38 | 7°42 | 4°12 | 25°34 | 3° 6 | 3° 0 | 5° 5 | 11°40 | 18°36 | 23°56 | 25°18 | 18°16 | n.a. | S 4 |
| S 5 | 3 47 52 | 27°44'14 | 11♊27 | 9° 8 | 5°27 | 25°22 | 3°20 | 3° 6 | 5° 8 | 11°42 | 18°38 | 23°54 | 25°15 | 18°23 | n.a. | S 5 |
| M 6 | 3 51 49 | 28°45'23 | 25°29 | 10°35 | 6°43 | 25°12 | 3°34 | 3°13 | 5°12 | 11°44 | 18°39 | 23°D53 | 25°12 | 18°30 | n.a. | M 6 |
| T 7 | 3 55 45 | 29°46'31 | 9♋39 | 12° 2 | 7°58 | 25° 2 | 3°48 | 3°19 | 5°15 | 11°46 | 18°41 | 23°54 | 25° 9 | 18°36 | n.a. | T 7 |
| W 8 | 3 59 42 | 0♐47'38 | 23°53 | 13°30 | 9°13 | 24°53 | 4° 2 | 3°26 | 5°19 | 11°49 | 18°43 | 23°55 | 25° 6 | 18°43 | n.a. | W 8 |
| T 9 | 4 3 39 | 1°48'45 | 8♌ 8 | 14°59 | 10°28 | 24°44 | 4°16 | 3°32 | 5°22 | 11°51 | 18°45 | 23°57 | 25° 2 | 18°50 | n.a. | T 9 |
| F 10 | 4 7 35 | 2°49'51 | 22°22 | 16°28 | 11°43 | 24°37 | 4°31 | 3°39 | 5°26 | 11°53 | 18°47 | 23°58 | 24°59 | 18°57 | n.a. | F 10 |
| S 11 | 4 11 32 | 3°50'56 | 6♍32 | 17°58 | 12°58 | 24°30 | 4°45 | 3°46 | 5°29 | 11°55 | 18°49 | 23°R58 | 24°56 | 19° 3 | n.a. | S 11 |
| S 12 | 4 15 28 | 4°52'00 | 20°36 | 19°29 | 14°14 | 24°25 | 4°59 | 3°53 | 5°33 | 11°58 | 18°51 | 23°57 | 24°53 | 19°10 | n.a. | S 12 |
| M13 | 4 19 25 | 5°53'04 | 4♎33 | 21° 0 | 15°29 | 24°20 | 5°13 | 3°59 | 5°36 | 12° 0 | 18°52 | 23°56 | 24°50 | 19°17 | n.a. | M13 |
| T 14 | 4 23 21 | 6°54'07 | 18°21 | 22°32 | 16°44 | 24°15 | 5°27 | 4° 6 | 5°40 | 12° 2 | 18°54 | 23°54 | 24°46 | 19°23 | n.a. | T 14 |
| W15 | 4 27 18 | 7°55'08 | 1♏58 | 24° 5 | 17°59 | 24°12 | 5°42 | 4°13 | 5°43 | 12° 5 | 18°56 | 23°51 | 24°43 | 19°30 | n.a. | W15 |
| T 16 | 4 31 14 | 8°56'09 | 15°23 | 25°38 | 19°14 | 24° 9 | 5°56 | 4°20 | 5°47 | 12° 7 | 18°57 | 23°49 | 24°40 | 19°37 | n.a. | T 16 |
| F 17 | 4 35 11 | 9°57'08 | 28°34 | 27°13 | 20°29 | 24° 7 | 6°10 | 4°27 | 5°50 | 12° 9 | 18°59 | 23°47 | 24°37 | 19°43 | n.a. | F 17 |
| S 18 | 4 39 8 | 10°58'07 | 11♐31 | 28°47 | 21°44 | 24° 6 | 6°24 | 4°34 | 5°54 | 12°11 | 19° 1 | 23°46 | 24°34 | 19°50 | n.a. | S 18 |
| S 19 | 4 43 4 | 11°59'04 | 24°12 | 0♐23 | 22°59 | 24°D 6 | 6°38 | 4°41 | 5°57 | 12°14 | 19° 2 | 23°D46 | 24°31 | 19°57 | n.a. | S 19 |
| M20 | 4 47 1 | 12°59'59 | 6♑39 | 1°59 | 24°14 | 24° 7 | 6°52 | 4°48 | 6° 1 | 12°16 | 19° 4 | 23°46 | 24°27 | 20° 4 | n.a. | M20 |
| T 21 | 4 50 57 | 14° 0'53 | 18°53 | 3°36 | 25°29 | 24° 8 | 7° 7 | 4°55 | 6° 4 | 12°18 | 19° 6 | 23°47 | 24°24 | 20°10 | n.a. | T 21 |
| W22 | 4 54 54 | 15° 1'46 | 0♒56 | 5°13 | 26°44 | 24°10 | 7°21 | 5° 2 | 6° 8 | 12°20 | 19° 7 | 23°48 | 24°21 | 20°17 | n.a. | W22 |
| T 23 | 4 58 50 | 16° 2'36 | 12°51 | 6°52 | 27°59 | 24°12 | 7°35 | 5° 9 | 6°11 | 12°23 | 19° 9 | 23°49 | 24°18 | 20°24 | n.a. | T 23 |
| F 24 | 5 2 47 | 17° 3'25 | 24°42 | 8°31 | 29°14 | 24°16 | 7°49 | 5°16 | 6°15 | 12°25 | 19°10 | 23°50 | 24°15 | 20°30 | n.a. | F 24 |
| S 25 | 5 6 44 | 18° 4'13 | 6♓33 | 10°11 | 0♑29 | 24°20 | 8° 3 | 5°24 | 6°18 | 12°27 | 19°11 | 23°50 | 24°12 | 20°37 | n.a. | S 25 |
| S 26 | 5 10 40 | 19° 4'58 | 18°30 | 11°51 | 1°44 | 24°25 | 8°17 | 5°31 | 6°22 | 12°30 | 19°13 | 23°R50 | 24° 8 | 20°44 | n.a. | S 26 |
| M27 | 5 14 37 | 20° 5'41 | 0♈35 | 13°33 | 2°58 | 24°30 | 8°31 | 5°38 | 6°25 | 12°32 | 19°14 | 23°50 | 24° 5 | 20°50 | n.a. | M27 |
| T 28 | 5 18 33 | 21° 6'23 | 12°55 | 15°15 | 4°13 | 24°36 | 8°45 | 5°45 | 6°29 | 12°34 | 19°16 | 23°50 | 24° 2 | 20°57 | n.a. | T 28 |
| W29 | 5 22 30 | 22° 7'03 | 25°33 | 16°58 | 5°28 | 24°43 | 8°59 | 5°52 | 6°32 | 12°36 | 19°17 | 23°50 | 23°59 | 21° 4 | n.a. | W29 |
| T 30 | 5 26 26 | 23° 7'41 | 8♉33 | 18°42 | 6°43 | 24°51 | 9°13 | 6° 0 | 6°36 | 12°39 | 19°18 | 23°50 | 23°56 | 21°11 | n.a. | T 30 |
| F 31 | 5 30 23 | 24♐ 8'16 | 21♉56 | 20♐27 | 7♑58 | 24♈59 | 9♐27 | 6♑ 7 | 6♐39 | 12♐41 | 19♎20 | 23°D50 | 23♐52 | 21♒17 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 19s 4 | 11n31 | 4n46 | 12s13 | 0n45 | 21s19 | 0s41 | 11n59 | 1n47 | 21s 8 | 0s 5 | 24s37 | 0s44 | 21s41 | 0s 9 | 22s 2 | 0n35 | 2n48 | 11n 3 | 23s47 | 23s50 | 11s53 | | n.a. | W 1 |
| T 2 | 19 19 | 15 53 | 4 11 | 12 49 | 0 38 | 21 37 | 0 43 | 11 55 | 1 49 | 21 11 | 0 5 | 24 37 | 0 44 | 21 42 | 0 9 | 22 3 | 0 35 | 2 48 | 11 3 | 23 47 | 23 50 | 11 50 | | n.a. | T 2 |
| F 3 | 19 34 | 19 34 | 3 21 | 13 25 | 0 30 | 21 54 | 0 45 | 11 51 | 1 50 | 21 14 | 0 5 | 24 37 | 0 44 | 21 43 | 0 9 | 22 3 | 0 35 | 2 47 | 11 3 | 23 47 | 23 50 | 11 47 | | n.a. | F 3 |
| S 4 | 19 49 | 22 17 | 2 19 | 14 0 | 0 22 | 22 11 | 0 47 | 11 47 | 1 51 | 21 17 | 0 5 | 24 37 | 0 44 | 21 43 | 0 9 | 22 3 | 0 35 | 2 47 | 11 3 | 23 47 | 23 50 | 11 45 | | n.a. | S 4 |
| S 5 | 20 3 | 23 44 | 1 8 | 14 35 | 0 15 | 22 27 | 0 49 | 11 44 | 1 52 | 21 19 | 0 5 | 24 37 | 0 44 | 21 44 | 0 9 | 22 4 | 0 35 | 2 46 | 11 4 | 23 47 | 23 50 | 11 42 | | n.a. | S 5 |
| M 6 | 20 17 | 23 42 | 0s 9 | 15 10 | 0 7 | 22 42 | 0 51 | 11 41 | 1 53 | 21 22 | 0 5 | 24 37 | 0 44 | 21 44 | 0 9 | 22 4 | 0 35 | 2 45 | 11 4 | 23 46 | 23 50 | 11 40 | | n.a. | M 6 |
| T 7 | 20 30 | 22 8 | 1 26 | 15 45 | 0 0 | 22 57 | 0 53 | 11 38 | 1 54 | 21 25 | 0 5 | 24 36 | 0 44 | 21 45 | 0 9 | 22 4 | 0 35 | 2 45 | 11 4 | 23 47 | 23 50 | 11 37 | | n.a. | T 7 |
| W 8 | 20 44 | 19 10 | 2 38 | 16 19 | 0s 7 | 23 11 | 0 55 | 11 36 | 1 55 | 21 28 | 0 5 | 24 36 | 0 44 | 21 46 | 0 9 | 22 5 | 0 35 | 2 44 | 11 4 | 23 47 | 23 50 | 11 35 | | n.a. | W 8 |
| T 9 | 20 56 | 15 3 | 3 40 | 16 53 | 0 14 | 23 24 | 0 57 | 11 33 | 1 56 | 21 31 | 0 5 | 24 36 | 0 44 | 21 46 | 0 9 | 22 5 | 0 35 | 2 44 | 11 4 | 23 47 | 23 49 | 11 32 | | n.a. | T 9 |
| F 10 | 21 9 | 10 6 | 4 29 | 17 26 | 0 21 | 23 36 | 0 58 | 11 31 | 1 56 | 21 34 | 0 6 | 24 36 | 0 44 | 21 47 | 0 9 | 22 5 | 0 35 | 2 43 | 11 4 | 23 47 | 23 49 | 11 29 | | n.a. | F 10 |
| S 11 | 21 21 | 4 38 | 5 1 | 17 58 | 0 28 | 23 48 | 1 0 | 11 30 | 1 57 | 21 36 | 0 6 | 24 36 | 0 44 | 21 48 | 0 9 | 22 6 | 0 35 | 2 43 | 11 4 | 23 47 | 23 49 | 11 27 | | n.a. | S 11 |
| S 12 | 21 32 | 1s 1 | 5 15 | 18 30 | 0 34 | 23 59 | 1 2 | 11 28 | 1 58 | 21 39 | 0 6 | 24 36 | 0 44 | 21 48 | 0 9 | 22 6 | 0 35 | 2 42 | 11 5 | 23 47 | 23 49 | 11 24 | | n.a. | S 12 |
| M13 | 21 43 | 6 34 | 5 10 | 19 1 | 0 41 | 24 10 | 1 4 | 11 27 | 1 59 | 21 42 | 0 6 | 24 36 | 0 44 | 21 49 | 0 9 | 22 6 | 0 35 | 2 42 | 11 5 | 23 47 | 23 49 | 11 22 | | n.a. | M13 |
| T 14 | 21 54 | 11 45 | 4 47 | 19 32 | 0 47 | 24 20 | 1 5 | 11 26 | 1 59 | 21 44 | 0 6 | 24 35 | 0 44 | 21 50 | 0 9 | 22 7 | 0 35 | 2 41 | 11 5 | 23 47 | 23 49 | 11 19 | | n.a. | T 14 |
| W15 | 22 4 | 16 16 | 4 9 | 20 2 | 0 53 | 24 28 | 1 7 | 11 25 | 2 0 | 21 47 | 0 6 | 24 35 | 0 44 | 21 50 | 0 9 | 22 7 | 0 35 | 2 41 | 11 5 | 23 46 | 23 49 | 11 17 | | n.a. | W15 |
| T 16 | 22 14 | 19 54 | 3 17 | 20 31 | 0 59 | 24 37 | 1 9 | 11 25 | 2 0 | 21 50 | 0 6 | 24 35 | 0 44 | 21 51 | 0 9 | 22 7 | 0 35 | 2 40 | 11 5 | 23 46 | 23 49 | 11 14 | | n.a. | T 16 |
| F 17 | 22 23 | 22 26 | 2 15 | 20 59 | 1 5 | 24 44 | 1 10 | 11 24 | 2 1 | 21 52 | 0 6 | 24 35 | 0 44 | 21 52 | 0 9 | 22 7 | 0 35 | 2 40 | 11 6 | 23 46 | 23 48 | 11 11 | | n.a. | F 17 |
| S 18 | 22 32 | 23 44 | 1 7 | 21 26 | 1 10 | 24 51 | 1 12 | 11 24 | 2 1 | 21 55 | 0 6 | 24 35 | 0 44 | 21 52 | 0 9 | 22 8 | 0 35 | 2 39 | 11 6 | 23 46 | 23 48 | 11 9 | | n.a. | S 18 |
| S 19 | 22 41 | 23 45 | 0n 2 | 21 52 | 1 16 | 24 57 | 1 13 | 11 25 | 2 2 | 21 58 | 0 7 | 24 34 | 0 44 | 21 53 | 0 9 | 22 8 | 0 35 | 2 39 | 11 6 | 23 46 | 23 48 | 11 6 | | n.a. | S 19 |
| M20 | 22 49 | 22 34 | 1 11 | 22 17 | 1 21 | 25 2 | 1 14 | 11 25 | 2 2 | 22 0 | 0 7 | 24 34 | 0 44 | 21 53 | 0 9 | 22 8 | 0 35 | 2 38 | 11 6 | 23 46 | 23 48 | 11 4 | | n.a. | M20 |
| T 21 | 22 56 | 20 20 | 2 15 | 22 41 | 1 25 | 25 6 | 1 16 | 11 26 | 2 3 | 22 3 | 0 7 | 24 34 | 0 44 | 21 54 | 0 9 | 22 9 | 0 35 | 2 38 | 11 6 | 23 46 | 23 48 | 11 1 | | n.a. | T 21 |
| W22 | 23 4 | 17 14 | 3 12 | 23 4 | 1 30 | 25 10 | 1 17 | 11 27 | 2 3 | 22 5 | 0 7 | 24 34 | 0 44 | 21 55 | 0 9 | 22 9 | 0 35 | 2 38 | 11 7 | 23 46 | 23 48 | 10 58 | | n.a. | W22 |
| T 23 | 23 10 | 13 28 | 4 0 | 23 26 | 1 34 | 25 12 | 1 18 | 11 29 | 2 3 | 22 8 | 0 7 | 24 33 | 0 45 | 21 55 | 0 9 | 22 9 | 0 35 | 2 37 | 11 7 | 23 46 | 23 48 | 10 56 | | n.a. | T 23 |
| F 24 | 23 16 | 9 12 | 4 37 | 23 47 | 1 38 | 25 14 | 1 19 | 11 30 | 2 4 | 22 10 | 0 7 | 24 33 | 0 45 | 21 56 | 0 9 | 22 10 | 0 35 | 2 37 | 11 7 | 23 46 | 23 47 | 10 53 | | n.a. | F 24 |
| S 25 | 23 22 | 4 36 | 5 3 | 24 6 | 1 42 | 25 16 | 1 20 | 11 32 | 2 4 | 22 13 | 0 7 | 24 33 | 0 45 | 21 57 | 0 9 | 22 10 | 0 35 | 2 37 | 11 7 | 23 46 | 23 47 | 10 51 | | n.a. | S 25 |
| S 26 | 23 28 | 0n12 | 5 16 | 24 24 | 1 45 | 25 16 | 1 22 | 11 34 | 2 4 | 22 15 | 0 7 | 24 33 | 0 45 | 21 57 | 0 9 | 22 10 | 0 35 | 2 36 | 11 8 | 23 46 | 23 47 | 10 48 | | n.a. | S 26 |
| M27 | 23 32 | 5 2 | 5 15 | 24 40 | 1 48 | 25 16 | 1 23 | 11 36 | 2 5 | 22 17 | 0 8 | 24 33 | 0 45 | 21 58 | 0 9 | 22 11 | 0 35 | 2 36 | 11 8 | 23 46 | 23 47 | 10 45 | | n.a. | M27 |
| T 28 | 23 37 | 9 47 | 5 0 | 24 55 | 1 51 | 25 14 | 1 23 | 11 39 | 2 5 | 22 20 | 0 8 | 24 32 | 0 45 | 21 58 | 0 9 | 22 11 | 0 35 | 2 36 | 11 8 | 23 46 | 23 47 | 10 43 | | n.a. | T 28 |
| W29 | 23 41 | 14 15 | 4 30 | 25 8 | 1 53 | 25 12 | 1 24 | 11 42 | 2 5 | 22 22 | 0 8 | 24 32 | 0 45 | 21 59 | 0 9 | 22 11 | 0 35 | 2 35 | 11 8 | 23 46 | 23 47 | 10 40 | | n.a. | W29 |
| T 30 | 23 44 | 18 11 | 3 46 | 25 20 | 1 55 | 25 10 | 1 25 | 11 44 | 2 5 | 22 24 | 0 8 | 24 32 | 0 45 | 22 0 | 0 9 | 22 12 | 0 35 | 2 35 | 11 8 | 23 46 | 23 47 | 10 38 | | n.a. | T 30 |
| F 31 | 23s47 | 21n19 | 2n48 | 25s30 | 1s57 | 25s 6 | 1s26 | 11n48 | 2n 5 | 22s27 | 0s 8 | 24s31 | 0s45 | 22s 0 | 0s 9 | 22s12 | 0n35 | 2n35 | 11n 9 | 23s46 | 23s46 | 10s35 | | n.a. | F 31 |

Julian Day Number = 1007693.5, Delta T = 12h43m42s
Ecliptic obliquity = 23°55'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'56, Lahiri = -30°53'56 Julian Calendar 1 Dec. 1955 BCE == Greg. Calendar 14 Nov. 1955 BCE

The year -1954 astronomical counting style corresponds to year 1955 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## JANUARY 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 34 19 | 25♐ 8'51 | 5♊43 | 22♐12 | 9♑12 | 25♈ 8 | 9♐41 | 6♑14 | 6♐42 | 12♐43 | 19♎21 | 23♐50 | 23♐49 | 21♒24 | n.a. | S 1 |
| S 2 | 5 38 16 | 26° 9'23 | 19°51 | 23°59 | 10°27 | 25°17 | 9°55 | 6°22 | 6°46 | 12°45 | 19°22 | 23°R50 | 23°46 | 21°31 | n.a. | S 2 |
| M 3 | 5 42 13 | 27° 9'53 | 4♋18 | 25°46 | 11°42 | 25°27 | 10° 9 | 6°29 | 6°49 | 12°48 | 19°23 | 23°50 | 23°43 | 21°37 | n.a. | M 3 |
| T 4 | 5 46 9 | 28°10'22 | 18°56 | 27°35 | 12°57 | 25°37 | 10°23 | 6°36 | 6°52 | 12°50 | 19°24 | 23°49 | 23°40 | 21°44 | n.a. | T 4 |
| W 5 | 5 50 6 | 29°10'49 | 3♌40 | 29°24 | 14°11 | 25°48 | 10°37 | 6°44 | 6°56 | 12°52 | 19°26 | 23°49 | 23°37 | 21°51 | n.a. | W 5 |
| T 6 | 5 54 2 | 0♑11'15 | 18°22 | 1♑14 | 15°26 | 26° 0 | 10°50 | 6°51 | 6°59 | 12°54 | 19°27 | 23°48 | 23°33 | 21°58 | n.a. | T 6 |
| F 7 | 5 57 59 | 1°11'38 | 2♍57 | 3° 4 | 16°40 | 26°12 | 11° 4 | 6°58 | 7° 2 | 12°56 | 19°28 | 23°48 | 23°30 | 22° 4 | n.a. | F 7 |
| S 8 | 6 1 55 | 2°12'00 | 17°20 | 4°56 | 17°55 | 26°25 | 11°18 | 7° 6 | 7° 6 | 12°59 | 19°29 | 23°47 | 23°27 | 22°11 | n.a. | S 8 |
| S 9 | 6 5 52 | 3°12'21 | 1♎26 | 6°48 | 19°10 | 26°38 | 11°32 | 7°13 | 7° 9 | 13° 1 | 19°30 | 23°D47 | 23°24 | 22°18 | n.a. | S 9 |
| M10 | 6 9 48 | 4°12'39 | 15°16 | 8°41 | 20°24 | 26°51 | 11°45 | 7°21 | 7°12 | 13° 3 | 19°31 | 23°47 | 23°21 | 22°24 | n.a. | M10 |
| T 11 | 6 13 45 | 5°12'57 | 28°49 | 10°34 | 21°39 | 27° 6 | 11°59 | 7°28 | 7°15 | 13° 5 | 19°32 | 23°47 | 23°18 | 22°31 | n.a. | T 11 |
| W12 | 6 17 42 | 6°13'12 | 12♏ 5 | 12°28 | 22°53 | 27°20 | 12°13 | 7°35 | 7°19 | 13° 7 | 19°33 | 23°49 | 23°14 | 22°38 | n.a. | W12 |
| T 13 | 6 21 38 | 7°13'26 | 25° 6 | 14°22 | 24° 8 | 27°35 | 12°26 | 7°43 | 7°22 | 13° 9 | 19°33 | 23°50 | 23°11 | 22°44 | n.a. | T 13 |
| F 14 | 6 25 35 | 8°13'38 | 7♐53 | 16°16 | 25°22 | 27°51 | 12°40 | 7°50 | 7°25 | 13°11 | 19°34 | 23°51 | 23° 8 | 22°51 | n.a. | F 14 |
| S 15 | 6 29 31 | 9°13'48 | 20°28 | 18°10 | 26°37 | 28° 7 | 12°53 | 7°58 | 7°28 | 13°14 | 19°35 | 23°R51 | 23° 5 | 22°58 | n.a. | S 15 |
| S 16 | 6 33 28 | 10°13'56 | 2♑51 | 20° 4 | 27°51 | 28°23 | 13° 7 | 8° 5 | 7°31 | 13°16 | 19°36 | 23°51 | 23° 2 | 23° 5 | n.a. | S 16 |
| M17 | 6 37 24 | 11°14'03 | 15° 5 | 21°57 | 29° 5 | 28°40 | 13°20 | 8°12 | 7°34 | 13°18 | 19°37 | 23°50 | 22°58 | 23°11 | n.a. | M17 |
| T 18 | 6 41 21 | 12°14'07 | 27°10 | 23°49 | 0♒20 | 28°58 | 13°33 | 8°20 | 7°37 | 13°20 | 19°37 | 23°48 | 22°55 | 23°18 | n.a. | T 18 |
| W19 | 6 45 17 | 13°14'09 | 9♒ 9 | 25°40 | 1°34 | 29°16 | 13°47 | 8°27 | 7°40 | 13°22 | 19°38 | 23°45 | 22°52 | 23°25 | n.a. | W19 |
| T 20 | 6 49 14 | 14°14'08 | 21° 2 | 27°30 | 2°48 | 29°34 | 14° 0 | 8°35 | 7°43 | 13°24 | 19°39 | 23°42 | 22°49 | 23°31 | n.a. | T 20 |
| F 21 | 6 53 11 | 15°14'06 | 2♓53 | 29°17 | 4° 3 | 29°52 | 14°13 | 8°42 | 7°46 | 13°26 | 19°39 | 23°38 | 22°46 | 23°38 | n.a. | F 21 |
| S 22 | 6 57 7 | 16°14'01 | 14°44 | 1♒ 2 | 5°17 | 0♉11 | 14°26 | 8°49 | 7°49 | 13°28 | 19°40 | 23°35 | 22°43 | 23°45 | n.a. | S 22 |
| S 23 | 7 1 4 | 17°13'53 | 26°40 | 2°44 | 6°31 | 0°31 | 14°39 | 8°57 | 7°52 | 13°30 | 19°40 | 23°32 | 22°39 | 23°52 | n.a. | S 23 |
| M24 | 7 5 0 | 18°13'44 | 8♈43 | 4°23 | 7°45 | 0°50 | 14°52 | 9° 4 | 7°55 | 13°32 | 19°41 | 23°31 | 22°36 | 23°58 | n.a. | M24 |
| T 25 | 7 8 57 | 19°13'32 | 20°59 | 5°57 | 8°59 | 1°11 | 15° 5 | 9°12 | 7°58 | 13°34 | 19°41 | 23°D30 | 22°33 | 24° 5 | n.a. | T 25 |
| W26 | 7 12 53 | 20°13'17 | 3♉33 | 7°27 | 10°14 | 1°31 | 15°18 | 9°19 | 8° 1 | 13°36 | 19°42 | 23°31 | 22°30 | 24°12 | n.a. | W26 |
| T 27 | 7 16 50 | 21°13'00 | 16°27 | 8°52 | 11°28 | 1°52 | 15°31 | 9°26 | 8° 4 | 13°38 | 19°42 | 23°32 | 22°27 | 24°18 | n.a. | T 27 |
| F 28 | 7 20 46 | 22°12'41 | 29°46 | 10°11 | 12°42 | 2°13 | 15°44 | 9°33 | 8° 6 | 13°40 | 19°42 | 23°34 | 22°24 | 24°25 | n.a. | F 28 |
| S 29 | 7 24 43 | 23°12'19 | 13♊33 | 11°25 | 13°56 | 2°34 | 15°56 | 9°41 | 8° 9 | 13°41 | 19°43 | 23°35 | 22°20 | 24°32 | n.a. | S 29 |
| S 30 | 7 28 39 | 24°11'55 | 27°46 | 12°31 | 15°10 | 2°56 | 16° 9 | 9°48 | 8°12 | 13°43 | 19°43 | 23°R35 | 22°17 | 24°38 | n.a. | S 30 |
| M31 | 7 32 36 | 25♑11'28 | 12♋24 | 13♒31 | 16♒24 | 3♉18 | 16♐22 | 9♑55 | 8♐14 | 13♐45 | 19♎43 | 23♐34 | 22♐14 | 24♒45 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 23 s50 | 23n19 | 1n39 | 25 s39 | 1 s58 | 25 s 2 | 1 s27 | 11n51 | 2n 5 | 22 s29 | 0 s 8 | 24 s31 | 0 s45 | 22 s 1 | 0 s 9 | 22 s12 | 0n35 | 2n35 | 11n 9 | 23 s46 | 23 s46 | 10 s32 | | n.a. |
| S 2 | 23 52 | 23 53 | 0 22 | 25 45 | 1 58 | 24 57 | 1 27 | 11 55 | 2 5 | 22 31 | 0 8 | 24 31 | 0 45 | 22 1 | 0 9 | 22 12 | 0 35 | 2 34 | 11 9 | 23 46 | 23 46 | 10 30 | | n.a. |
| M 3 | 23 53 | 22 53 | 0 s58 | 25 50 | 1 59 | 24 51 | 1 28 | 11 58 | 2 5 | 22 33 | 0 8 | 24 31 | 0 45 | 22 2 | 0 9 | 22 13 | 0 35 | 2 34 | 11 9 | 23 46 | 23 46 | 10 27 | | n.a. |
| T 4 | 23 54 | 20 19 | 2 15 | 25 52 | 1 58 | 24 44 | 1 28 | 12 2 | 2 6 | 22 36 | 0 8 | 24 30 | 0 45 | 22 3 | 0 9 | 22 13 | 0 35 | 2 34 | 11 10 | 23 46 | 23 46 | 10 25 | | n.a. |
| W 5 | 23 55 | 16 25 | 3 24 | 25 53 | 1 58 | 24 37 | 1 29 | 12 6 | 2 6 | 22 38 | 0 9 | 24 30 | 0 45 | 22 3 | 0 9 | 22 13 | 0 35 | 2 34 | 11 10 | 23 46 | 23 46 | 10 22 | | n.a. |
| T 6 | 23 55 | 11 32 | 4 19 | 25 51 | 1 57 | 24 29 | 1 29 | 12 11 | 2 6 | 22 40 | 0 9 | 24 30 | 0 45 | 22 4 | 0 9 | 22 14 | 0 35 | 2 34 | 11 10 | 23 46 | 23 46 | 10 19 | | n.a. |
| F 7 | 23 55 | 6 1 | 4 56 | 25 48 | 1 55 | 24 20 | 1 30 | 12 15 | 2 6 | 22 42 | 0 9 | 24 29 | 0 45 | 22 4 | 0 9 | 22 14 | 0 35 | 2 34 | 11 11 | 23 46 | 23 45 | 10 17 | | n.a. |
| S 8 | 23 54 | 0 17 | 5 15 | 25 42 | 1 52 | 24 10 | 1 30 | 12 20 | 2 6 | 22 44 | 0 9 | 24 29 | 0 46 | 22 5 | 0 9 | 22 14 | 0 35 | 2 33 | 11 11 | 23 46 | 23 45 | 10 14 | | n.a. |
| S 9 | 23 53 | 5 s22 | 5 14 | 25 34 | 1 50 | 24 0 | 1 30 | 12 25 | 2 6 | 22 46 | 0 9 | 24 29 | 0 46 | 22 5 | 0 9 | 22 14 | 0 35 | 2 33 | 11 11 | 23 46 | 23 45 | 10 12 | | n.a. |
| M10 | 23 51 | 10 39 | 4 55 | 25 24 | 1 46 | 23 49 | 1 30 | 12 30 | 2 6 | 22 48 | 0 9 | 24 28 | 0 46 | 22 6 | 0 9 | 22 15 | 0 35 | 2 33 | 11 11 | 23 46 | 23 45 | 10 9 | | n.a. |
| T 11 | 23 49 | 15 18 | 4 20 | 25 11 | 1 42 | 23 37 | 1 30 | 12 35 | 2 6 | 22 50 | 0 9 | 24 28 | 0 46 | 22 7 | 0 9 | 22 15 | 0 35 | 2 33 | 11 12 | 23 46 | 23 45 | 10 6 | | n.a. |
| W12 | 23 46 | 19 6 | 3 31 | 24 56 | 1 37 | 23 25 | 1 30 | 12 41 | 2 6 | 22 52 | 0 9 | 24 28 | 0 46 | 22 7 | 0 9 | 22 15 | 0 35 | 2 33 | 11 12 | 23 46 | 23 45 | 10 4 | | n.a. |
| T 13 | 23 43 | 21 53 | 2 33 | 24 39 | 1 32 | 23 12 | 1 30 | 12 46 | 2 5 | 22 54 | 0 10 | 24 27 | 0 46 | 22 8 | 0 9 | 22 16 | 0 35 | 2 33 | 11 12 | 23 46 | 23 44 | 10 1 | | n.a. |
| F 14 | 23 39 | 23 30 | 1 27 | 24 19 | 1 26 | 22 58 | 1 30 | 12 52 | 2 5 | 22 56 | 0 10 | 24 27 | 0 46 | 22 8 | 0 9 | 22 16 | 0 35 | 2 33 | 11 12 | 23 46 | 23 44 | 9 59 | | n.a. |
| S 15 | 23 35 | 23 53 | 0 19 | 23 58 | 1 19 | 22 43 | 1 30 | 12 58 | 2 5 | 22 58 | 0 10 | 24 26 | 0 46 | 22 9 | 0 9 | 22 16 | 0 35 | 2 33 | 11 13 | 23 46 | 23 44 | 9 56 | | n.a. |
| S 16 | 23 31 | 23 4 | 0n50 | 23 34 | 1 12 | 22 28 | 1 29 | 13 4 | 2 5 | 23 0 | 0 10 | 24 26 | 0 46 | 22 9 | 0 9 | 22 16 | 0 35 | 2 33 | 11 13 | 23 46 | 23 44 | 9 53 | | n.a. |
| M17 | 23 26 | 21 9 | 1 55 | 23 8 | 1 3 | 22 12 | 1 29 | 13 10 | 2 5 | 23 1 | 0 10 | 24 26 | 0 46 | 22 10 | 0 9 | 22 17 | 0 35 | 2 33 | 11 13 | 23 46 | 23 44 | 9 51 | | n.a. |
| T 18 | 23 21 | 18 18 | 2 54 | 22 40 | 0 54 | 21 55 | 1 29 | 13 16 | 2 5 | 23 3 | 0 10 | 24 25 | 0 46 | 22 10 | 0 9 | 22 17 | 0 35 | 2 33 | 11 14 | 23 46 | 23 44 | 9 48 | | n.a. |
| W19 | 23 15 | 14 43 | 3 44 | 22 10 | 0 45 | 21 38 | 1 28 | 13 22 | 2 5 | 23 5 | 0 10 | 24 25 | 0 46 | 22 11 | 0 9 | 22 17 | 0 35 | 2 33 | 11 14 | 23 46 | 23 43 | 9 45 | | n.a. |
| T 20 | 23 8 | 10 35 | 4 25 | 21 38 | 0 34 | 21 21 | 1 28 | 13 29 | 2 5 | 23 7 | 0 11 | 24 24 | 0 46 | 22 11 | 0 9 | 22 17 | 0 35 | 2 33 | 11 14 | 23 46 | 23 43 | 9 43 | | n.a. |
| F 21 | 23 2 | 6 5 | 4 54 | 21 5 | 0 23 | 21 2 | 1 27 | 13 35 | 2 5 | 23 8 | 0 11 | 24 24 | 0 47 | 22 12 | 0 9 | 22 18 | 0 35 | 2 33 | 11 14 | 23 46 | 23 43 | 9 40 | | n.a. |
| S 22 | 22 55 | 1 22 | 5 11 | 20 31 | 0 12 | 20 43 | 1 26 | 13 42 | 2 4 | 23 10 | 0 11 | 24 24 | 0 47 | 22 12 | 0 9 | 22 18 | 0 35 | 2 33 | 11 15 | 23 46 | 23 43 | 9 38 | | n.a. |
| S 23 | 22 47 | 3n26 | 5 14 | 19 56 | 0n 0 | 20 24 | 1 25 | 13 49 | 2 4 | 23 12 | 0 11 | 24 23 | 0 47 | 22 13 | 0 9 | 22 18 | 0 35 | 2 33 | 11 15 | 23 45 | 23 43 | 9 35 | | n.a. |
| M24 | 22 39 | 8 9 | 5 3 | 19 20 | 0 13 | 20 3 | 1 25 | 13 56 | 2 4 | 23 13 | 0 11 | 24 23 | 0 47 | 22 13 | 0 9 | 22 18 | 0 35 | 2 33 | 11 15 | 23 45 | 23 42 | 9 32 | | n.a. |
| T 25 | 22 31 | 12 39 | 4 39 | 18 44 | 0 27 | 19 43 | 1 24 | 14 3 | 2 4 | 23 15 | 0 11 | 24 22 | 0 47 | 22 14 | 0 9 | 22 19 | 0 35 | 2 33 | 11 16 | 23 45 | 23 42 | 9 30 | | n.a. |
| W26 | 22 22 | 16 43 | 4 1 | 18 8 | 0 40 | 19 21 | 1 23 | 14 10 | 2 4 | 23 17 | 0 11 | 24 22 | 0 47 | 22 14 | 0 9 | 22 19 | 0 35 | 2 33 | 11 16 | 23 45 | 23 42 | 9 27 | | n.a. |
| T 27 | 22 12 | 20 7 | 3 10 | 17 32 | 0 54 | 19 0 | 1 22 | 14 17 | 2 4 | 23 18 | 0 11 | 24 21 | 0 47 | 22 15 | 0 10 | 22 19 | 0 35 | 2 33 | 11 16 | 23 45 | 23 42 | 9 24 | | n.a. |
| F 28 | 22 3 | 22 34 | 2 7 | 16 57 | 1 9 | 18 37 | 1 21 | 14 24 | 2 3 | 23 20 | 0 12 | 24 21 | 0 47 | 22 15 | 0 10 | 22 19 | 0 35 | 2 34 | 11 16 | 23 46 | 23 42 | 9 22 | | n.a. |
| S 29 | 21 53 | 23 47 | 0 55 | 16 23 | 1 23 | 18 15 | 1 19 | 14 32 | 2 3 | 23 21 | 0 12 | 24 21 | 0 47 | 22 16 | 0 10 | 22 20 | 0 35 | 2 34 | 11 17 | 23 46 | 23 42 | 9 19 | | n.a. |
| S 30 | 21 42 | 23 31 | 0 s23 | 15 50 | 1 37 | 17 51 | 1 18 | 14 39 | 2 3 | 23 23 | 0 12 | 24 20 | 0 47 | 22 16 | 0 10 | 22 20 | 0 35 | 2 34 | 11 17 | 23 46 | 23 41 | 9 17 | | n.a. |
| M31 | 21 s31 | 21n39 | 1 s41 | 15 s19 | 1n52 | 17 s28 | 1 s17 | 14n47 | 2n 3 | 23 s24 | 0 s12 | 24 s20 | 0 s47 | 22 s17 | 0 s10 | 22 s20 | 0n35 | 2n34 | 11n17 | 23 s46 | 23 s41 | 9 s14 | | n.a. |

Julian Day Number = 1007724.5, Delta T = 12h43m40s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'52, Lahiri = -30°53'52 Julian Calendar 1 Jan. 1954 BCE == Greg. Calendar 15 Dec. 1955 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## FEBRUARY 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 36 33 | 26♉11'00 | 27♋21 | 14♒24 | 17♒37 | 3♉41 | 16♐34 | 10♉ 2 | 8♐17 | 13♐47 | 19♎43 | 23°R32 | 22♐11 | 24♒52 | n.a. | T 1 |
| W 2 | 7 40 29 | 27°10'29 | 12♌28 | 15° 9 | 18°51 | 4° 3 | 16°47 | 10°10 | 8°20 | 13°49 | 19°44 | 23♐27 | 22° 8 | 24°59 | n.a. | W 2 |
| T 3 | 7 44 26 | 28° 9'55 | 27°35 | 15°46 | 20° 5 | 4°26 | 16°59 | 10°17 | 8°22 | 13°50 | 19°44 | 23°22 | 22° 4 | 25° 5 | n.a. | T 3 |
| F 4 | 7 48 22 | 29° 9'20 | 12♍35 | 16°16 | 21°19 | 4°50 | 17°11 | 10°24 | 8°25 | 13°52 | 19°44 | 23°17 | 22° 1 | 25°12 | n.a. | F 4 |
| S 5 | 7 52 19 | 0♒ 8'43 | 27°17 | 16°37 | 22°33 | 5°13 | 17°24 | 10°31 | 8°27 | 13°54 | 19°44 | 23°13 | 21°58 | 25°19 | n.a. | S 5 |
| S 6 | 7 56 15 | 1° 8'04 | 11♎37 | 16°50 | 23°46 | 5°37 | 17°36 | 10°38 | 8°30 | 13°56 | 19°44 | 23°10 | 21°55 | 25°25 | n.a. | S 6 |
| M 7 | 8 0 12 | 2° 7'22 | 25°32 | 16°R55 | 25° 0 | 6° 1 | 17°48 | 10°45 | 8°32 | 13°57 | 19°R44 | 23° 8 | 21°52 | 25°32 | n.a. | M 7 |
| T 8 | 8 4 8 | 3° 6'39 | 9♏ 2 | 16°53 | 26°14 | 6°25 | 18° 0 | 10°52 | 8°35 | 13°59 | 19°44 | 23°D 8 | 21°49 | 25°39 | n.a. | T 8 |
| W 9 | 8 8 5 | 4° 5'54 | 22°10 | 16°42 | 27°27 | 6°50 | 18°12 | 11° 0 | 8°37 | 14° 1 | 19°44 | 23° 9 | 21°45 | 25°46 | n.a. | W 9 |
| T 10 | 8 12 1 | 5° 5'08 | 4♐57 | 16°25 | 28°41 | 7°15 | 18°24 | 11° 7 | 8°39 | 14° 2 | 19°44 | 23°10 | 21°42 | 25°52 | n.a. | T 10 |
| F 11 | 8 15 58 | 6° 4'19 | 17°29 | 16° 1 | 29°54 | 7°40 | 18°36 | 11°13 | 8°42 | 14° 4 | 19°44 | 23°R12 | 21°39 | 25°59 | n.a. | F 11 |
| S 12 | 8 19 55 | 7° 3'28 | 29°48 | 15°31 | 1♓ 8 | 8° 5 | 18°47 | 11°20 | 8°44 | 14° 5 | 19°44 | 23°12 | 21°36 | 26° 6 | n.a. | S 12 |
| S 13 | 8 23 51 | 8° 2'35 | 11♉57 | 14°55 | 2°21 | 8°31 | 18°59 | 11°27 | 8°46 | 14° 7 | 19°44 | 23°10 | 21°33 | 26°12 | n.a. | S 13 |
| M14 | 8 27 48 | 9° 1'40 | 23°59 | 14°15 | 3°35 | 8°56 | 19°10 | 11°34 | 8°48 | 14° 8 | 19°43 | 23° 6 | 21°30 | 26°19 | n.a. | M14 |
| T 15 | 8 31 44 | 10° 0'43 | 5♒55 | 13°31 | 4°48 | 9°22 | 19°22 | 11°41 | 8°50 | 14°10 | 19°43 | 22°59 | 21°26 | 26°26 | n.a. | T 15 |
| W16 | 8 35 41 | 10°59'44 | 17°49 | 12°44 | 6° 1 | 9°49 | 19°33 | 11°48 | 8°52 | 14°11 | 19°43 | 22°51 | 21°23 | 26°33 | n.a. | W16 |
| T 17 | 8 39 37 | 11°58'42 | 29°40 | 11°56 | 7°15 | 10°15 | 19°45 | 11°55 | 8°54 | 14°13 | 19°42 | 22°42 | 21°20 | 26°39 | n.a. | T 17 |
| F 18 | 8 43 34 | 12°57'38 | 11♓31 | 11° 6 | 8°28 | 10°42 | 19°56 | 12° 1 | 8°56 | 14°14 | 19°42 | 22°32 | 21°17 | 26°46 | n.a. | F 18 |
| S 19 | 8 47 30 | 13°56'32 | 23°25 | 10°17 | 9°41 | 11° 9 | 20° 7 | 12° 8 | 8°58 | 14°16 | 19°42 | 22°22 | 21°14 | 26°53 | n.a. | S 19 |
| S 20 | 8 51 27 | 14°55'23 | 5♈22 | 9°29 | 10°54 | 11°36 | 20°18 | 12°15 | 9° 0 | 14°17 | 19°41 | 22°14 | 21°10 | 26°59 | n.a. | S 20 |
| M21 | 8 55 23 | 15°54'12 | 17°26 | 8°43 | 12° 7 | 12° 3 | 20°29 | 12°21 | 9° 2 | 14°18 | 19°41 | 22° 8 | 21° 7 | 27° 6 | n.a. | M21 |
| T 22 | 8 59 20 | 16°52'59 | 29°41 | 8° 0 | 13°21 | 12°30 | 20°39 | 12°28 | 9° 4 | 14°19 | 19°40 | 22° 4 | 21° 4 | 27°13 | n.a. | T 22 |
| W23 | 9 3 17 | 17°51'43 | 12♉11 | 7°20 | 14°34 | 12°58 | 20°50 | 12°35 | 9° 6 | 14°21 | 19°40 | 22° 3 | 21° 1 | 27°20 | n.a. | W23 |
| T 24 | 9 7 13 | 18°50'25 | 24°59 | 6°44 | 15°46 | 13°26 | 21° 1 | 12°41 | 9° 8 | 14°22 | 19°39 | 22°D 3 | 20°58 | 27°26 | n.a. | T 24 |
| F 25 | 9 11 10 | 19°49'04 | 8♊11 | 6°12 | 16°59 | 13°54 | 21°11 | 12°47 | 9° 9 | 14°23 | 19°39 | 22° 4 | 20°55 | 27°33 | n.a. | F 25 |
| S 26 | 9 15 6 | 20°47'41 | 21°49 | 5°45 | 18°12 | 14°22 | 21°22 | 12°54 | 9°11 | 14°24 | 19°38 | 22°R 4 | 20°51 | 27°40 | n.a. | S 26 |
| S 27 | 9 19 3 | 21°46'16 | 5♋56 | 5°23 | 19°25 | 14°50 | 21°32 | 13° 0 | 9°13 | 14°26 | 19°38 | 22° 3 | 20°48 | 27°46 | n.a. | S 27 |
| M28 | 9 22 59 | 22♒44'49 | 20♋30 | 5♒ 6 | 20♓38 | 15♉19 | 21♐42 | 13♉ 6 | 9♐14 | 14♐27 | 19♎37 | 22♐ 0 | 20♐45 | 27♒53 | n.a. | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 21s20 | 18n16 | 2s54 | 14s50 | 2n 6 | 17s 3 | 1s16 | 14n55 | 2n 3 | 23s26 | 0s12 | 24s19 | 0s48 | 22s17 | 0s10 | 22s20 | 0n35 | 2n34 | 11n18 | 23s45 | 23s41 | 9s11 | | n.a. |
| W 2 | 21 9 | 13 38 | 3 55 | 14 24 | 2 19 | 16 39 | 1 14 | 15 2 | 2 2 | 23 27 | 0 12 | 24 19 | 0 48 | 22 18 | 0 10 | 22 21 | 0 35 | 2 34 | 11 18 | 23 45 | 23 41 | 9 9 | | n.a. |
| T 3 | 20 57 | 8 10 | 4 40 | 14 0 | 2 33 | 16 14 | 1 13 | 15 10 | 2 2 | 23 28 | 0 12 | 24 18 | 0 48 | 22 18 | 0 10 | 22 21 | 0 35 | 2 35 | 11 18 | 23 45 | 23 41 | 9 6 | | n.a. |
| F 4 | 20 44 | 2 17 | 5 6 | 13 39 | 2 45 | 15 48 | 1 11 | 15 18 | 2 2 | 23 30 | 0 13 | 24 18 | 0 48 | 22 18 | 0 10 | 22 21 | 0 35 | 2 35 | 11 19 | 23 45 | 23 40 | 9 3 | | n.a. |
| S 5 | 20 31 | 3s38 | 5 10 | 13 21 | 2 57 | 15 22 | 1 10 | 15 26 | 2 2 | 23 31 | 0 13 | 24 17 | 0 48 | 22 19 | 0 10 | 22 21 | 0 35 | 2 35 | 11 19 | 23 44 | 23 40 | 9 1 | | n.a. |
| S 6 | 20 18 | 9 11 | 4 55 | 13 7 | 3 8 | 14 56 | 1 8 | 15 34 | 2 1 | 23 32 | 0 13 | 24 17 | 0 48 | 22 19 | 0 10 | 22 21 | 0 35 | 2 35 | 11 19 | 23 44 | 23 40 | 8 58 | | n.a. |
| M 7 | 20 5 | 14 8 | 4 23 | 12 56 | 3 18 | 14 29 | 1 6 | 15 42 | 2 1 | 23 34 | 0 13 | 24 16 | 0 48 | 22 20 | 0 10 | 22 22 | 0 35 | 2 36 | 11 19 | 23 44 | 23 40 | 8 56 | | n.a. |
| T 8 | 19 51 | 18 13 | 3 37 | 12 48 | 3 27 | 14 2 | 1 4 | 15 50 | 2 1 | 23 35 | 0 13 | 24 16 | 0 48 | 22 20 | 0 10 | 22 22 | 0 35 | 2 36 | 11 20 | 23 44 | 23 40 | 8 53 | | n.a. |
| W 9 | 19 37 | 21 15 | 2 41 | 12 44 | 3 34 | 13 34 | 1 3 | 15 58 | 2 1 | 23 36 | 0 13 | 24 15 | 0 48 | 22 20 | 0 10 | 22 22 | 0 35 | 2 36 | 11 20 | 23 44 | 23 39 | 8 50 | | n.a. |
| T 10 | 19 23 | 23 9 | 1 37 | 12 44 | 3 40 | 13 7 | 1 1 | 16 6 | 2 0 | 23 37 | 0 13 | 24 15 | 0 48 | 22 21 | 0 10 | 22 22 | 0 35 | 2 36 | 11 20 | 23 44 | 23 39 | 8 48 | | n.a. |
| F 11 | 19 8 | 23 50 | 0 31 | 12 47 | 3 45 | 12 39 | 0 59 | 16 14 | 2 0 | 23 39 | 0 14 | 24 14 | 0 49 | 22 21 | 0 10 | 22 22 | 0 35 | 2 37 | 11 21 | 23 44 | 23 39 | 8 45 | | n.a. |
| S 12 | 18 53 | 23 19 | 0n36 | 12 53 | 3 48 | 12 10 | 0 57 | 16 22 | 2 0 | 23 40 | 0 14 | 24 14 | 0 49 | 22 22 | 0 10 | 22 23 | 0 35 | 2 37 | 11 21 | 23 44 | 23 39 | 8 42 | | n.a. |
| S 13 | 18 37 | 21 43 | 1 40 | 13 3 | 3 49 | 11 41 | 0 55 | 16 30 | 2 0 | 23 41 | 0 14 | 24 13 | 0 49 | 22 22 | 0 10 | 22 23 | 0 35 | 2 37 | 11 21 | 23 44 | 23 39 | 8 40 | | n.a. |
| M14 | 18 21 | 19 9 | 2 39 | 13 15 | 3 48 | 11 12 | 0 53 | 16 39 | 1 59 | 23 42 | 0 14 | 24 13 | 0 49 | 22 22 | 0 10 | 22 23 | 0 35 | 2 38 | 11 21 | 23 44 | 23 38 | 8 37 | | n.a. |
| T 15 | 18 5 | 15 47 | 3 30 | 13 30 | 3 45 | 10 43 | 0 50 | 16 47 | 1 59 | 23 43 | 0 14 | 24 12 | 0 49 | 22 23 | 0 10 | 22 23 | 0 35 | 2 38 | 11 22 | 23 44 | 23 38 | 8 34 | | n.a. |
| W16 | 17 49 | 11 49 | 4 11 | 13 48 | 3 41 | 10 14 | 0 48 | 16 55 | 1 59 | 23 44 | 0 14 | 24 12 | 0 49 | 22 23 | 0 10 | 22 23 | 0 35 | 2 38 | 11 22 | 23 43 | 23 38 | 8 32 | | n.a. |
| T 17 | 17 32 | 7 25 | 4 42 | 14 7 | 3 35 | 9 44 | 0 46 | 17 4 | 1 59 | 23 45 | 0 14 | 24 11 | 0 49 | 22 23 | 0 10 | 22 23 | 0 35 | 2 39 | 11 22 | 23 43 | 23 38 | 8 29 | | n.a. |
| F 18 | 17 16 | 2 46 | 5 0 | 14 28 | 3 27 | 9 14 | 0 44 | 17 12 | 1 58 | 23 46 | 0 15 | 24 11 | 0 49 | 22 24 | 0 10 | 22 24 | 0 35 | 2 39 | 11 22 | 23 42 | 23 38 | 8 27 | | n.a. |
| S 19 | 16 58 | 2n 0 | 5 6 | 14 50 | 3 18 | 8 43 | 0 41 | 17 20 | 1 58 | 23 47 | 0 15 | 24 10 | 0 49 | 22 24 | 0 10 | 22 24 | 0 35 | 2 40 | 11 23 | 23 42 | 23 37 | 8 24 | | n.a. |
| S 20 | 16 41 | 6 43 | 4 58 | 15 14 | 3 7 | 8 13 | 0 39 | 17 29 | 1 58 | 23 48 | 0 15 | 24 10 | 0 50 | 22 24 | 0 10 | 22 24 | 0 35 | 2 40 | 11 23 | 23 41 | 23 37 | 8 21 | | n.a. |
| M21 | 16 23 | 11 14 | 4 37 | 15 37 | 2 56 | 7 42 | 0 36 | 17 37 | 1 58 | 23 49 | 0 15 | 24 9 | 0 50 | 22 25 | 0 10 | 22 24 | 0 35 | 2 40 | 11 23 | 23 41 | 23 37 | 8 19 | | n.a. |
| T 22 | 16 5 | 15 22 | 4 3 | 16 1 | 2 43 | 7 12 | 0 34 | 17 45 | 1 57 | 23 50 | 0 15 | 24 9 | 0 50 | 22 25 | 0 10 | 22 24 | 0 35 | 2 41 | 11 23 | 23 41 | 23 37 | 8 16 | | n.a. |
| W23 | 15 47 | 18 55 | 3 17 | 16 24 | 2 29 | 6 41 | 0 31 | 17 54 | 1 57 | 23 51 | 0 15 | 24 8 | 0 50 | 22 25 | 0 10 | 22 24 | 0 35 | 2 41 | 11 24 | 23 40 | 23 36 | 8 13 | | n.a. |
| T 24 | 15 29 | 21 39 | 2 20 | 16 48 | 2 15 | 6 9 | 0 29 | 18 2 | 1 57 | 23 52 | 0 16 | 24 8 | 0 50 | 22 26 | 0 10 | 22 24 | 0 35 | 2 42 | 11 24 | 23 40 | 23 36 | 8 11 | | n.a. |
| F 25 | 15 10 | 23 19 | 1 14 | 17 10 | 2 0 | 5 38 | 0 26 | 18 10 | 1 56 | 23 53 | 0 16 | 24 7 | 0 50 | 22 26 | 0 10 | 22 25 | 0 35 | 2 42 | 11 24 | 23 41 | 23 36 | 8 8 | | n.a. |
| S 26 | 14 51 | 23 41 | 0 1 | 17 31 | 1 45 | 5 7 | 0 23 | 18 19 | 1 56 | 23 54 | 0 16 | 24 7 | 0 50 | 22 26 | 0 10 | 22 25 | 0 35 | 2 42 | 11 24 | 23 41 | 23 36 | 8 5 | | n.a. |
| S 27 | 14 32 | 22 34 | 1s13 | 17 52 | 1 29 | 4 35 | 0 21 | 18 27 | 1 56 | 23 55 | 0 16 | 24 6 | 0 50 | 22 26 | 0 10 | 22 25 | 0 35 | 2 43 | 11 25 | 23 41 | 23 36 | 8 3 | | n.a. |
| M28 | 14s12 | 19n55 | 2s26 | 18s11 | 1n14 | 4s 4 | 0s18 | 18n35 | 1n56 | 23s55 | 0s16 | 24s 6 | 0s51 | 22s27 | 0s10 | 22s25 | 0n35 | 2n43 | 11n25 | 23s40 | 23s35 | 8s 0 | | n.a. |

Julian Day Number = 1007755.5, Delta T = 12h43m38s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'48, Lahiri = -30°53'48 Julian Calendar 1 Feb. 1954 BCE == Greg. Calendar 15 Jan. 1954 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## MARCH 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 26 56 | 23♒43'19 | 5♌28 | 4°R55 | 21♓50 | 15♉47 | 21♐52 | 13♋13 | 9♐16 | 14♐28 | 19°R36 | 21°R55 | 20♐42 | 28♒ 0 | n.a. | T 1 |
| W 2 | 9 30 52 | 24°41'46 | 20°43 | 4♒49 | 23° 3 | 16°16 | 22° 2 | 13°19 | 9°17 | 14°29 | 19♎36 | 21♐48 | 20°39 | 28° 7 | n.a. | W 2 |
| T 3 | 9 34 49 | 25°40'12 | 6♍ 3 | 4°D48 | 24°16 | 16°45 | 22°12 | 13°25 | 9°18 | 14°30 | 19°35 | 21°38 | 20°36 | 28°13 | n.a. | T 3 |
| F 4 | 9 38 45 | 26°38'36 | 21°17 | 4°52 | 25°28 | 17°14 | 22°22 | 13°31 | 9°20 | 14°31 | 19°34 | 21°29 | 20°32 | 28°20 | n.a. | F 4 |
| S 5 | 9 42 42 | 27°36'57 | 6♎16 | 5° 2 | 26°41 | 17°44 | 22°31 | 13°37 | 9°21 | 14°32 | 19°33 | 21°20 | 20°29 | 28°27 | n.a. | S 5 |
| S 6 | 9 46 39 | 28°35'17 | 20°50 | 5°16 | 27°53 | 18°13 | 22°41 | 13°43 | 9°22 | 14°33 | 19°32 | 21°13 | 20°26 | 28°33 | n.a. | S 6 |
| M 7 | 9 50 35 | 29°33'36 | 4♏56 | 5°35 | 29° 5 | 18°43 | 22°50 | 13°49 | 9°24 | 14°34 | 19°32 | 21° 9 | 20°23 | 28°40 | n.a. | M 7 |
| T 8 | 9 54 32 | 0♓31'52 | 18°33 | 5°58 | 0♈18 | 19°12 | 22°59 | 13°55 | 9°25 | 14°35 | 19°31 | 21° 6 | 20°20 | 28°47 | n.a. | T 8 |
| W 9 | 9 58 28 | 1°30'07 | 1♐42 | 6°26 | 1°30 | 19°42 | 23° 9 | 14° 1 | 9°26 | 14°35 | 19°30 | 21°D 6 | 20°16 | 28°54 | n.a. | W 9 |
| T 10 | 10 2 25 | 2°28'21 | 14°27 | 6°59 | 2°42 | 20°12 | 23°18 | 14° 7 | 9°27 | 14°36 | 19°29 | 21°R 6 | 20°13 | 29° 0 | n.a. | T 10 |
| F 11 | 10 6 21 | 3°26'32 | 26°53 | 7°35 | 3°54 | 20°42 | 23°27 | 14°12 | 9°28 | 14°37 | 19°28 | 21° 6 | 20°10 | 29° 7 | n.a. | F 11 |
| S 12 | 10 10 18 | 4°24'42 | 9♑ 4 | 8°15 | 5° 6 | 21°13 | 23°35 | 14°18 | 9°29 | 14°38 | 19°27 | 21° 4 | 20° 7 | 29°14 | n.a. | S 12 |
| S 13 | 10 14 14 | 5°22'51 | 21° 5 | 8°59 | 6°18 | 21°43 | 23°44 | 14°24 | 9°30 | 14°38 | 19°26 | 21° 1 | 20° 4 | 29°20 | n.a. | S 13 |
| M14 | 10 18 11 | 6°20'57 | 3♒ 0 | 9°46 | 7°30 | 22°14 | 23°53 | 14°29 | 9°31 | 14°39 | 19°25 | 20°55 | 20° 1 | 29°27 | n.a. | M14 |
| T 15 | 10 22 7 | 7°19'02 | 14°52 | 10°37 | 8°42 | 22°44 | 24° 1 | 14°35 | 9°32 | 14°40 | 19°24 | 20°45 | 19°57 | 29°34 | n.a. | T 15 |
| W16 | 10 26 4 | 8°17'05 | 26°42 | 11°31 | 9°54 | 23°15 | 24° 9 | 14°40 | 9°33 | 14°40 | 19°23 | 20°34 | 19°54 | 29°41 | n.a. | W16 |
| T 17 | 10 30 1 | 9°15'06 | 8♓34 | 12°28 | 11° 6 | 23°46 | 24°17 | 14°45 | 9°33 | 14°41 | 19°22 | 20°20 | 19°51 | 29°47 | n.a. | T 17 |
| F 18 | 10 33 57 | 10°13'06 | 20°28 | 13°28 | 12°18 | 24°17 | 24°25 | 14°51 | 9°34 | 14°42 | 19°20 | 20° 6 | 19°48 | 29°54 | n.a. | F 18 |
| S 19 | 10 37 54 | 11°11'03 | 2♈26 | 14°31 | 13°29 | 24°48 | 24°33 | 14°56 | 9°35 | 14°42 | 19°19 | 19°53 | 19°45 | 0♓ 1 | n.a. | S 19 |
| S 20 | 10 41 50 | 12° 8'59 | 14°29 | 15°37 | 14°41 | 25°20 | 24°41 | 15° 1 | 9°35 | 14°43 | 19°18 | 19°41 | 19°41 | 0° 7 | n.a. | S 20 |
| M21 | 10 45 47 | 13° 6'53 | 26°40 | 16°45 | 15°52 | 25°51 | 24°48 | 15° 6 | 9°36 | 14°43 | 19°17 | 19°32 | 19°38 | 0°14 | n.a. | M21 |
| T 22 | 10 49 43 | 14° 4'45 | 9♉ 0 | 17°56 | 17° 4 | 26°22 | 24°56 | 15°11 | 9°36 | 14°44 | 19°16 | 19°25 | 19°35 | 0°21 | n.a. | T 22 |
| W23 | 10 53 40 | 15° 2'35 | 21°32 | 19° 9 | 18°15 | 26°54 | 25° 3 | 15°16 | 9°37 | 14°44 | 19°14 | 19°22 | 19°32 | 0°28 | n.a. | W23 |
| T 24 | 10 57 36 | 16° 0'24 | 4♊20 | 20°25 | 19°26 | 27°26 | 25°10 | 15°21 | 9°37 | 14°44 | 19°13 | 19°20 | 19°29 | 0°34 | n.a. | T 24 |
| F 25 | 11 1 33 | 16°58'10 | 17°28 | 21°44 | 20°38 | 27°58 | 25°17 | 15°26 | 9°38 | 14°45 | 19°12 | 19°20 | 19°26 | 0°41 | n.a. | F 25 |
| S 26 | 11 5 30 | 17°55'55 | 0♋59 | 23° 4 | 21°49 | 28°30 | 25°24 | 15°30 | 9°38 | 14°45 | 19°11 | 19°20 | 19°22 | 0°48 | n.a. | S 26 |
| S 27 | 11 9 26 | 18°53'37 | 14°55 | 24°27 | 23° 0 | 29° 2 | 25°31 | 15°35 | 9°38 | 14°45 | 19° 9 | 19°18 | 19°19 | 0°54 | n.a. | S 27 |
| M28 | 11 13 23 | 19°51'18 | 29°17 | 25°52 | 24°11 | 29°34 | 25°37 | 15°40 | 9°38 | 14°45 | 19° 8 | 19°15 | 19°16 | 1° 1 | n.a. | M28 |
| T 29 | 11 17 19 | 20°48'57 | 14♌ 4 | 27°20 | 25°22 | 0♊ 6 | 25°44 | 15°44 | 9°39 | 14°46 | 19° 7 | 19° 9 | 19°13 | 1° 8 | n.a. | T 29 |
| W30 | 11 21 16 | 21°46'35 | 29° 9 | 28°49 | 26°33 | 0°38 | 25°50 | 15°48 | 9°39 | 14°46 | 19° 5 | 19° 0 | 19°10 | 1°15 | n.a. | W30 |
| T 31 | 11 25 12 | 22♓44'10 | 14♍23 | 0♓21 | 27♈43 | 1♊11 | 25♐56 | 15♋53 | 9♐39 | 14♐46 | 19♎ 4 | 18♐50 | 19♐ 7 | 1♓21 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 13s53 | 15n53 | 3s30 | 18s28 | 0n58 | 3s32 | 0s15 | 18n44 | 1n55 | 23s56 | 0s16 | 24s 5 | 0s51 | 22s27 | 0s10 | 22s25 | 0n35 | 2n44 | 11n25 | 23s40 | 23s35 | 7s58 | | | n.a. |
| W 2 | 13 33 | 10 46 | 4 20 | 18 45 | 0 43 | 3 0 | 0 12 | 18 52 | 1 55 | 23 57 | 0 17 | 24 5 | 0 51 | 22 27 | 0 10 | 22 25 | 0 35 | 2 44 | 11 25 | 23 40 | 23 35 | 7 55 | | | n.a. |
| T 3 | 13 13 | 4 57 | 4 52 | 18 59 | 0 28 | 2 28 | 0 10 | 19 0 | 1 55 | 23 58 | 0 17 | 24 4 | 0 51 | 22 27 | 0 10 | 22 25 | 0 35 | 2 45 | 11 26 | 23 39 | 23 35 | 7 52 | | | n.a. |
| F 4 | 12 53 | 1s 7 | 5 3 | 19 12 | 0 14 | 1 56 | 0 7 | 19 9 | 1 54 | 23 59 | 0 17 | 24 4 | 0 51 | 22 28 | 0 10 | 22 25 | 0 35 | 2 45 | 11 26 | 23 38 | 23 34 | 7 50 | | | n.a. |
| S 5 | 12 33 | 7 0 | 4 53 | 19 24 | 0s 0 | 1 24 | 0 4 | 19 17 | 1 54 | 23 59 | 0 17 | 24 3 | 0 51 | 22 28 | 0 10 | 22 26 | 0 35 | 2 46 | 11 26 | 23 38 | 23 34 | 7 47 | | | n.a. |
| S 6 | 12 12 | 12 21 | 4 24 | 19 33 | 0 14 | 0 52 | 0 1 | 19 25 | 1 54 | 24 0 | 0 17 | 24 3 | 0 51 | 22 28 | 0 10 | 22 26 | 0 35 | 2 46 | 11 26 | 23 37 | 23 34 | 7 44 | | | n.a. |
| M 7 | 11 51 | 16 52 | 3 40 | 19 41 | 0 27 | 0 20 | 0n 2 | 19 33 | 1 53 | 24 1 | 0 17 | 24 2 | 0 51 | 22 28 | 0 10 | 22 26 | 0 35 | 2 47 | 11 27 | 23 37 | 23 34 | 7 42 | | | n.a. |
| T 8 | 11 30 | 20 19 | 2 44 | 19 47 | 0 39 | 0n12 | 0 5 | 19 41 | 1 53 | 24 1 | 0 18 | 24 2 | 0 52 | 22 28 | 0 10 | 22 26 | 0 35 | 2 47 | 11 27 | 23 37 | 23 33 | 7 39 | | | n.a. |
| W 9 | 11 9 | 22 34 | 1 41 | 19 52 | 0 51 | 0 44 | 0 8 | 19 49 | 1 53 | 24 2 | 0 18 | 24 1 | 0 52 | 22 29 | 0 10 | 22 26 | 0 35 | 2 48 | 11 27 | 23 37 | 23 33 | 7 36 | | | n.a. |
| T 10 | 10 48 | 23 35 | 0 35 | 19 54 | 1 3 | 1 16 | 0 11 | 19 57 | 1 52 | 24 3 | 0 18 | 24 1 | 0 52 | 22 29 | 0 10 | 22 26 | 0 35 | 2 48 | 11 27 | 23 37 | 23 33 | 7 34 | | | n.a. |
| F 11 | 10 27 | 23 22 | 0n31 | 19 55 | 1 13 | 1 48 | 0 14 | 20 5 | 1 52 | 24 3 | 0 18 | 24 0 | 0 52 | 22 29 | 0 10 | 22 26 | 0 35 | 2 49 | 11 27 | 23 37 | 23 33 | 7 31 | | | n.a. |
| S 12 | 10 5 | 22 2 | 1 34 | 19 54 | 1 23 | 2 20 | 0 17 | 20 13 | 1 52 | 24 4 | 0 18 | 24 0 | 0 52 | 22 29 | 0 10 | 22 26 | 0 35 | 2 50 | 11 28 | 23 37 | 23 33 | 7 28 | | | n.a. |
| S 13 | 9 43 | 19 44 | 2 32 | 19 52 | 1 33 | 2 52 | 0 20 | 20 21 | 1 52 | 24 5 | 0 19 | 23 59 | 0 52 | 22 29 | 0 10 | 22 26 | 0 35 | 2 50 | 11 28 | 23 36 | 23 32 | 7 26 | | | n.a. |
| M14 | 9 22 | 16 36 | 3 23 | 19 47 | 1 42 | 3 23 | 0 23 | 20 29 | 1 51 | 24 5 | 0 19 | 23 59 | 0 52 | 22 29 | 0 10 | 22 26 | 0 35 | 2 51 | 11 28 | 23 36 | 23 32 | 7 23 | | | n.a. |
| T 15 | 9 0 | 12 49 | 4 4 | 19 41 | 1 50 | 3 55 | 0 26 | 20 37 | 1 51 | 24 6 | 0 19 | 23 59 | 0 53 | 22 30 | 0 10 | 22 26 | 0 35 | 2 51 | 11 28 | 23 35 | 23 32 | 7 20 | | | n.a. |
| W16 | 8 38 | 8 34 | 4 35 | 19 33 | 1 57 | 4 27 | 0 29 | 20 44 | 1 51 | 24 6 | 0 19 | 23 58 | 0 53 | 22 30 | 0 10 | 22 27 | 0 35 | 2 52 | 11 28 | 23 35 | 23 32 | 7 18 | | | n.a. |
| T 17 | 8 15 | 4 0 | 4 54 | 19 23 | 2 4 | 4 58 | 0 32 | 20 52 | 1 50 | 24 7 | 0 19 | 23 58 | 0 53 | 22 30 | 0 10 | 22 27 | 0 35 | 2 52 | 11 28 | 23 34 | 23 31 | 7 15 | | | n.a. |
| F 18 | 7 53 | 0n44 | 5 0 | 19 12 | 2 11 | 5 30 | 0 35 | 21 0 | 1 50 | 24 7 | 0 19 | 23 57 | 0 53 | 22 30 | 0 10 | 22 27 | 0 35 | 2 53 | 11 29 | 23 33 | 23 31 | 7 13 | | | n.a. |
| S 19 | 7 31 | 5 27 | 4 53 | 18 58 | 2 16 | 6 1 | 0 38 | 21 7 | 1 50 | 24 8 | 0 20 | 23 57 | 0 53 | 22 30 | 0 10 | 22 27 | 0 35 | 2 54 | 11 29 | 23 31 | 23 31 | 7 10 | | | n.a. |
| S 20 | 7 8 | 10 0 | 4 33 | 18 43 | 2 21 | 6 32 | 0 42 | 21 15 | 1 49 | 24 8 | 0 20 | 23 56 | 0 53 | 22 30 | 0 10 | 22 27 | 0 35 | 2 54 | 11 29 | 23 31 | 23 31 | 7 7 | | | n.a. |
| M21 | 6 46 | 14 12 | 4 0 | 18 26 | 2 25 | 7 3 | 0 45 | 21 22 | 1 49 | 24 9 | 0 20 | 23 56 | 0 54 | 22 30 | 0 10 | 22 27 | 0 35 | 2 55 | 11 29 | 23 30 | 23 30 | 7 5 | | | n.a. |
| T 22 | 6 23 | 17 52 | 3 16 | 18 7 | 2 29 | 7 34 | 0 48 | 21 29 | 1 49 | 24 9 | 0 20 | 23 55 | 0 54 | 22 30 | 0 10 | 22 27 | 0 35 | 2 55 | 11 29 | 23 29 | 23 30 | 7 2 | | | n.a. |
| W23 | 6 0 | 20 47 | 2 21 | 17 47 | 2 32 | 8 4 | 0 51 | 21 37 | 1 48 | 24 10 | 0 20 | 23 55 | 0 54 | 22 31 | 0 10 | 22 27 | 0 35 | 2 56 | 11 29 | 23 29 | 23 30 | 6 59 | | | n.a. |
| T 24 | 5 38 | 22 43 | 1 18 | 17 24 | 2 35 | 8 35 | 0 54 | 21 44 | 1 48 | 24 10 | 0 21 | 23 55 | 0 54 | 22 31 | 0 10 | 22 27 | 0 35 | 2 57 | 11 29 | 23 29 | 23 30 | 6 57 | | | n.a. |
| F 25 | 5 15 | 23 29 | 0 10 | 17 0 | 2 37 | 9 5 | 0 57 | 21 51 | 1 48 | 24 11 | 0 21 | 23 54 | 0 54 | 22 31 | 0 10 | 22 27 | 0 35 | 2 57 | 11 30 | 23 29 | 23 29 | 6 54 | | | n.a. |
| S 26 | 4 52 | 22 54 | 1s 1 | 16 35 | 2 38 | 9 35 | 1 0 | 21 58 | 1 47 | 24 11 | 0 21 | 23 54 | 0 54 | 22 31 | 0 10 | 22 27 | 0 35 | 2 58 | 11 30 | 23 29 | 23 29 | 6 51 | | | n.a. |
| S 27 | 4 29 | 20 54 | 2 11 | 16 7 | 2 38 | 10 5 | 1 3 | 22 5 | 1 47 | 24 12 | 0 21 | 23 53 | 0 54 | 22 31 | 0 10 | 22 27 | 0 35 | 2 58 | 11 30 | 23 29 | 23 29 | 6 49 | | | n.a. |
| M28 | 4 6 | 17 33 | 3 14 | 15 37 | 2 38 | 10 35 | 1 6 | 22 12 | 1 47 | 24 12 | 0 21 | 23 53 | 0 55 | 22 31 | 0 11 | 22 27 | 0 35 | 2 59 | 11 30 | 23 28 | 23 29 | 6 46 | | | n.a. |
| T 29 | 3 43 | 13 1 | 4 6 | 15 6 | 2 38 | 11 4 | 1 9 | 22 18 | 1 46 | 24 12 | 0 22 | 23 53 | 0 55 | 22 31 | 0 11 | 22 27 | 0 35 | 3 0 | 11 30 | 23 28 | 23 28 | 6 43 | | | n.a. |
| W30 | 3 19 | 7 36 | 4 43 | 14 33 | 2 37 | 11 33 | 1 12 | 22 25 | 1 46 | 24 13 | 0 22 | 23 52 | 0 55 | 22 31 | 0 11 | 22 27 | 0 35 | 3 0 | 11 30 | 23 27 | 23 28 | 6 41 | | | n.a. |
| T 31 | 2s56 | 1n40 | 4s59 | 13s58 | 2s35 | 12n 2 | 1n15 | 22n32 | 1n46 | 24s13 | 0s22 | 23s52 | 0s55 | 22s31 | 0s11 | 22s27 | 0n35 | 3n 1 | 11n30 | 23s26 | 23s28 | 6s38 | | | n.a. |

Julian Day Number = 1007783.5, Delta T = 12h43m36s
Ecliptic obliquity = 23°55'09, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'44, Lahiri = -30°53'44 Julian Calendar 1 March 1954 BCE == Greg. Calendar 12 Feb. 1954 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## APRIL 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 11 29 9 | 23♓41'44 | 29♍37 | 1♓55 | 28♈54 | 1♊43 | 26♐ 2 | 15♑57 | 9°R39 | 14♐46 | 19°R 2 | 18°R39 | 19♐ 3 | 1♓28 | n.a. | F 1 |
| S 2 | 11 33 5 | 24°39'17 | 14♎38 | 3°31 | 0♉ 5 | 2°16 | 26° 8 | 16° 1 | 9♐39 | 14°46 | 19♎ 1 | 18♐29 | 19° 0 | 1°35 | n.a. | S 2 |
| S 3 | 11 37 2 | 25°36'48 | 29°19 | 5° 9 | 1°15 | 2°49 | 26°13 | 16° 5 | 9°39 | 14°46 | 18°59 | 18°21 | 18°57 | 1°41 | n.a. | S 3 |
| M 4 | 11 40 58 | 26°34'18 | 13♏32 | 6°50 | 2°26 | 3°21 | 26°19 | 16° 9 | 9°39 | 14°R46 | 18°58 | 18°15 | 18°54 | 1°48 | n.a. | M 4 |
| T 5 | 11 44 55 | 27°31'48 | 27°15 | 8°32 | 3°36 | 3°54 | 26°24 | 16°13 | 9°38 | 14°46 | 18°57 | 18°12 | 18°51 | 1°55 | n.a. | T 5 |
| W 6 | 11 48 52 | 28°29'16 | 10♐30 | 10°17 | 4°46 | 4°27 | 26°29 | 16°17 | 9°38 | 14°46 | 18°55 | 18°10 | 18°47 | 2° 2 | n.a. | W 6 |
| T 7 | 11 52 48 | 29°26'43 | 23°19 | 12° 4 | 5°57 | 5° 0 | 26°34 | 16°21 | 9°38 | 14°46 | 18°54 | 18°10 | 18°44 | 2° 8 | n.a. | T 7 |
| F 8 | 11 56 45 | 0♈24'09 | 5♑46 | 13°52 | 7° 7 | 5°34 | 26°39 | 16°25 | 9°37 | 14°46 | 18°52 | 18°10 | 18°41 | 2°15 | n.a. | F 8 |
| S 9 | 12 0 41 | 1°21'34 | 17°57 | 15°43 | 8°17 | 6° 7 | 26°43 | 16°28 | 9°37 | 14°46 | 18°51 | 18° 9 | 18°38 | 2°22 | n.a. | S 9 |
| S 10 | 12 4 38 | 2°18'59 | 29°56 | 17°36 | 9°27 | 6°40 | 26°48 | 16°32 | 9°37 | 14°46 | 18°49 | 18° 6 | 18°35 | 2°28 | n.a. | S 10 |
| M11 | 12 8 34 | 3°16'22 | 11♒49 | 19°32 | 10°36 | 7°14 | 26°52 | 16°35 | 9°36 | 14°45 | 18°48 | 18° 1 | 18°32 | 2°35 | n.a. | M11 |
| T 12 | 12 12 31 | 4°13'44 | 23°40 | 21°29 | 11°46 | 7°47 | 26°56 | 16°38 | 9°36 | 14°45 | 18°46 | 17°52 | 18°28 | 2°42 | n.a. | T 12 |
| W13 | 12 16 27 | 5°11'06 | 5♓31 | 23°28 | 12°56 | 8°21 | 27° 0 | 16°42 | 9°35 | 14°45 | 18°44 | 17°42 | 18°25 | 2°49 | n.a. | W13 |
| T 14 | 12 20 24 | 6° 8'26 | 17°25 | 25°29 | 14° 5 | 8°54 | 27° 4 | 16°45 | 9°35 | 14°44 | 18°43 | 17°30 | 18°22 | 2°55 | n.a. | T 14 |
| F 15 | 12 24 21 | 7° 5'45 | 29°24 | 27°32 | 15°15 | 9°28 | 27° 7 | 16°48 | 9°34 | 14°44 | 18°41 | 17°17 | 18°19 | 3° 2 | n.a. | F 15 |
| S 16 | 12 28 17 | 8° 3'04 | 11♈30 | 29°36 | 16°24 | 10° 2 | 27°11 | 16°51 | 9°33 | 14°44 | 18°40 | 17° 5 | 18°16 | 3° 9 | n.a. | S 16 |
| S 17 | 12 32 14 | 9° 0'21 | 23°44 | 1♈42 | 17°34 | 10°36 | 27°14 | 16°54 | 9°32 | 14°43 | 18°38 | 16°54 | 18°12 | 3°15 | n.a. | S 17 |
| M18 | 12 36 10 | 9°57'38 | 6♉ 6 | 3°50 | 18°43 | 11°10 | 27°17 | 16°57 | 9°32 | 14°43 | 18°36 | 16°45 | 18° 9 | 3°22 | n.a. | M18 |
| T 19 | 12 40 7 | 10°54'53 | 18°38 | 5°59 | 19°52 | 11°44 | 27°20 | 16°59 | 9°31 | 14°42 | 18°35 | 16°40 | 18° 6 | 3°29 | n.a. | T 19 |
| W20 | 12 44 3 | 11°52'08 | 1♊21 | 8° 9 | 21° 1 | 12°18 | 27°23 | 17° 2 | 9°30 | 14°42 | 18°33 | 16°36 | 18° 3 | 3°36 | n.a. | W20 |
| T 21 | 12 48 0 | 12°49'21 | 14°18 | 10°19 | 22°10 | 12°52 | 27°25 | 17° 4 | 9°29 | 14°41 | 18°32 | 16°D35 | 18° 0 | 3°42 | n.a. | T 21 |
| F 22 | 12 51 56 | 13°46'34 | 27°31 | 12°31 | 23°18 | 13°27 | 27°27 | 17° 7 | 9°28 | 14°41 | 18°30 | 16°36 | 17°57 | 3°49 | n.a. | F 22 |
| S 23 | 12 55 53 | 14°43'45 | 11♋ 1 | 14°42 | 24°27 | 14° 1 | 27°29 | 17° 9 | 9°27 | 14°40 | 18°28 | 16°R36 | 17°53 | 3°56 | n.a. | S 23 |
| S 24 | 12 59 50 | 15°40'55 | 24°51 | 16°54 | 25°36 | 14°35 | 27°31 | 17°11 | 9°26 | 14°40 | 18°27 | 16°36 | 17°50 | 4° 3 | n.a. | S 24 |
| M25 | 13 3 46 | 16°38'05 | 9♌ 2 | 19° 5 | 26°44 | 15°10 | 27°33 | 17°14 | 9°25 | 14°39 | 18°25 | 16°34 | 17°47 | 4° 9 | n.a. | M25 |
| T 26 | 13 7 43 | 17°35'13 | 23°33 | 21°16 | 27°52 | 15°45 | 27°35 | 17°16 | 9°24 | 14°38 | 18°24 | 16°30 | 17°44 | 4°16 | n.a. | T 26 |
| W27 | 13 11 39 | 18°32'20 | 8♍19 | 23°26 | 29° 0 | 16°19 | 27°36 | 17°18 | 9°22 | 14°38 | 18°22 | 16°23 | 17°41 | 4°23 | n.a. | W27 |
| T 28 | 13 15 36 | 19°29'26 | 23°14 | 25°35 | 0♊ 8 | 16°54 | 27°37 | 17°20 | 9°21 | 14°37 | 18°20 | 16°16 | 17°38 | 4°29 | n.a. | T 28 |
| F 29 | 13 19 32 | 20°26'32 | 8♎11 | 27°43 | 1°16 | 17°29 | 27°38 | 17°21 | 9°20 | 14°36 | 18°19 | 16° 7 | 17°34 | 4°36 | n.a. | F 29 |
| S 30 | 13 23 29 | 21♈23'37 | 22♎59 | 29♈49 | 2♊24 | 18♊ 4 | 27♐39 | 17♑23 | 9♐19 | 14♐35 | 18♎17 | 15♐59 | 17♐31 | 4♓43 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 2s33 | 4s20 | 4s55 | 13s22 | 2s32 | 12n30 | 1n17 | 22n38 | 1n45 | 24s14 | 0s22 | 23s52 | 0s55 | 22s31 | 0s11 | 22s27 | 0n35 | 3n 1 | 11n30 | 23s25 | 23s27 | 6s35 | | n.a. |
| S 2 | 2 10 | 10 1 | 4 30 | 12 44 | 2 29 | 12 58 | 1 20 | 22 45 | 1 45 | 24 14 | 0 22 | 23 51 | 0 55 | 22 31 | 0 11 | 22 27 | 0 35 | 3 2 | 11 30 | 23 25 | 23 27 | 6 33 | | n.a. |
| S 3 | 1 47 | 14 59 | 3 48 | 12 4 | 2 26 | 13 26 | 1 23 | 22 51 | 1 45 | 24 14 | 0 23 | 23 51 | 0 56 | 22 31 | 0 11 | 22 27 | 0 35 | 3 3 | 11 30 | 23 24 | 23 27 | 6 30 | | n.a. |
| M 4 | 1 23 | 18 57 | 2 52 | 11 22 | 2 22 | 13 54 | 1 26 | 22 57 | 1 44 | 24 15 | 0 23 | 23 51 | 0 56 | 22 31 | 0 11 | 22 27 | 0 35 | 3 3 | 11 31 | 23 23 | 23 27 | 6 28 | | n.a. |
| T 5 | 1 0 | 21 42 | 1 48 | 10 38 | 2 17 | 14 21 | 1 29 | 23 3 | 1 44 | 24 15 | 0 23 | 23 50 | 0 56 | 22 31 | 0 11 | 22 27 | 0 35 | 3 4 | 11 31 | 23 23 | 23 26 | 6 25 | | n.a. |
| W 6 | 0 37 | 23 8 | 0 41 | 9 53 | 2 12 | 14 48 | 1 31 | 23 9 | 1 44 | 24 15 | 0 23 | 23 50 | 0 56 | 22 31 | 0 11 | 22 27 | 0 35 | 3 4 | 11 31 | 23 23 | 23 26 | 6 22 | | n.a. |
| T 7 | 0 13 | 23 18 | 0n27 | 9 6 | 2 6 | 15 15 | 1 34 | 23 15 | 1 43 | 24 16 | 0 23 | 23 50 | 0 56 | 22 31 | 0 11 | 22 27 | 0 35 | 3 5 | 11 31 | 23 23 | 23 26 | 6 20 | | n.a. |
| F 8 | 0n10 | 22 16 | 1 32 | 8 18 | 1 59 | 15 41 | 1 37 | 23 21 | 1 43 | 24 16 | 0 24 | 23 49 | 0 56 | 22 31 | 0 11 | 22 27 | 0 35 | 3 6 | 11 31 | 23 23 | 23 26 | 6 17 | | n.a. |
| S 9 | 0 33 | 20 12 | 2 31 | 7 28 | 1 52 | 16 7 | 1 39 | 23 26 | 1 43 | 24 16 | 0 24 | 23 49 | 0 57 | 22 31 | 0 11 | 22 27 | 0 35 | 3 6 | 11 31 | 23 23 | 23 25 | 6 14 | | n.a. |
| S 10 | 0 56 | 17 17 | 3 22 | 6 36 | 1 45 | 16 32 | 1 42 | 23 32 | 1 42 | 24 17 | 0 24 | 23 49 | 0 57 | 22 31 | 0 11 | 22 27 | 0 35 | 3 7 | 11 31 | 23 22 | 23 25 | 6 12 | | n.a. |
| M11 | 1 20 | 13 41 | 4 4 | 5 43 | 1 37 | 16 57 | 1 44 | 23 37 | 1 42 | 24 17 | 0 24 | 23 48 | 0 57 | 22 31 | 0 11 | 22 27 | 0 35 | 3 7 | 11 31 | 23 22 | 23 25 | 6 9 | | n.a. |
| T 12 | 1 43 | 9 35 | 4 35 | 4 48 | 1 29 | 17 22 | 1 47 | 23 43 | 1 41 | 24 17 | 0 24 | 23 48 | 0 57 | 22 31 | 0 11 | 22 27 | 0 35 | 3 8 | 11 31 | 23 21 | 23 24 | 6 6 | | n.a. |
| W13 | 2 6 | 5 7 | 4 55 | 3 52 | 1 20 | 17 46 | 1 49 | 23 48 | 1 41 | 24 18 | 0 25 | 23 48 | 0 57 | 22 31 | 0 11 | 22 27 | 0 35 | 3 9 | 11 31 | 23 20 | 23 24 | 6 4 | | n.a. |
| T 14 | 2 29 | 0 28 | 5 1 | 2 55 | 1 11 | 18 9 | 1 52 | 23 53 | 1 41 | 24 18 | 0 25 | 23 48 | 0 58 | 22 31 | 0 11 | 22 27 | 0 35 | 3 9 | 11 31 | 23 19 | 23 24 | 6 1 | | n.a. |
| F 15 | 2 52 | 4n15 | 4 55 | 1 56 | 1 1 | 18 33 | 1 54 | 23 58 | 1 40 | 24 18 | 0 25 | 23 48 | 0 58 | 22 30 | 0 11 | 22 27 | 0 35 | 3 10 | 11 31 | 23 18 | 23 24 | 5 58 | | n.a. |
| S 16 | 3 15 | 8 50 | 4 35 | 0 57 | 0 51 | 18 56 | 1 56 | 24 3 | 1 40 | 24 19 | 0 25 | 23 47 | 0 58 | 22 30 | 0 11 | 22 27 | 0 35 | 3 10 | 11 31 | 23 17 | 23 23 | 5 56 | | n.a. |
| S 17 | 3 38 | 13 8 | 4 2 | 0n 4 | 0 41 | 19 18 | 1 58 | 24 8 | 1 40 | 24 19 | 0 26 | 23 47 | 0 58 | 22 30 | 0 11 | 22 27 | 0 35 | 3 11 | 11 31 | 23 16 | 23 23 | 5 53 | | n.a. |
| M18 | 4 1 | 16 55 | 3 18 | 1 5 | 0 31 | 19 40 | 2 0 | 24 12 | 1 39 | 24 19 | 0 26 | 23 47 | 0 58 | 22 30 | 0 11 | 22 27 | 0 35 | 3 11 | 11 31 | 23 15 | 23 23 | 5 50 | | n.a. |
| T 19 | 4 24 | 20 0 | 2 23 | 2 6 | 0 20 | 20 1 | 2 2 | 24 17 | 1 39 | 24 20 | 0 26 | 23 47 | 0 58 | 22 30 | 0 11 | 22 27 | 0 35 | 3 12 | 11 31 | 23 14 | 23 22 | 5 48 | | n.a. |
| W20 | 4 47 | 22 9 | 1 20 | 3 8 | 0 10 | 20 22 | 2 4 | 24 21 | 1 39 | 24 20 | 0 26 | 23 47 | 0 59 | 22 30 | 0 11 | 22 26 | 0 35 | 3 13 | 11 31 | 23 14 | 23 22 | 5 45 | | n.a. |
| T 21 | 5 10 | 23 11 | 0 12 | 4 11 | 0n 1 | 20 42 | 2 6 | 24 25 | 1 38 | 24 20 | 0 27 | 23 47 | 0 59 | 22 30 | 0 11 | 22 26 | 0 35 | 3 13 | 11 31 | 23 14 | 23 22 | 5 42 | | n.a. |
| F 22 | 5 32 | 22 56 | 0s58 | 5 13 | 0 11 | 21 2 | 2 8 | 24 29 | 1 38 | 24 20 | 0 27 | 23 46 | 0 59 | 22 30 | 0 11 | 22 26 | 0 35 | 3 14 | 11 31 | 23 14 | 23 22 | 5 40 | | n.a. |
| S 23 | 5 55 | 21 21 | 2 7 | 6 14 | 0 22 | 21 21 | 2 10 | 24 33 | 1 38 | 24 21 | 0 27 | 23 46 | 0 59 | 22 30 | 0 11 | 22 26 | 0 35 | 3 14 | 11 31 | 23 14 | 23 21 | 5 37 | | n.a. |
| S 24 | 6 17 | 18 29 | 3 9 | 7 15 | 0 32 | 21 40 | 2 12 | 24 37 | 1 37 | 24 21 | 0 27 | 23 46 | 0 59 | 22 29 | 0 11 | 22 26 | 0 35 | 3 15 | 11 30 | 23 14 | 23 21 | 5 35 | | n.a. |
| M25 | 6 40 | 14 28 | 4 2 | 8 16 | 0 42 | 21 58 | 2 13 | 24 41 | 1 37 | 24 21 | 0 27 | 23 46 | 1 0 | 22 29 | 0 11 | 22 26 | 0 35 | 3 15 | 11 30 | 23 14 | 23 21 | 5 32 | | n.a. |
| T 26 | 7 2 | 9 31 | 4 41 | 9 15 | 0 51 | 22 16 | 2 15 | 24 44 | 1 36 | 24 21 | 0 28 | 23 46 | 1 0 | 22 29 | 0 11 | 22 26 | 0 35 | 3 16 | 11 30 | 23 13 | 23 20 | 5 29 | | n.a. |
| W27 | 7 24 | 3 58 | 5 2 | 10 13 | 1 1 | 22 33 | 2 16 | 24 48 | 1 36 | 24 22 | 0 28 | 23 46 | 1 0 | 22 29 | 0 11 | 22 26 | 0 35 | 3 16 | 11 30 | 23 12 | 23 20 | 5 27 | | n.a. |
| T 28 | 7 46 | 1s53 | 5 3 | 11 9 | 1 9 | 22 49 | 2 18 | 24 51 | 1 36 | 24 22 | 0 28 | 23 46 | 1 0 | 22 29 | 0 11 | 22 26 | 0 35 | 3 17 | 11 30 | 23 12 | 23 20 | 5 24 | | n.a. |
| F 29 | 8 8 | 7 37 | 4 43 | 12 4 | 1 18 | 23 5 | 2 19 | 24 54 | 1 35 | 24 22 | 0 28 | 23 46 | 1 0 | 22 29 | 0 11 | 22 26 | 0 35 | 3 17 | 11 30 | 23 11 | 23 19 | 5 21 | | n.a. |
| S 30 | 8n30 | 12s53 | 4s 4 | 12n58 | 1n25 | 23n21 | 2n20 | 24n57 | 1n35 | 24s22 | 0s29 | 23s46 | 1s 0 | 22s28 | 0s11 | 22s26 | 0n35 | 3n18 | 11n30 | 23s10 | 23s19 | 5s19 | | n.a. |

Julian Day Number = 1007814.5, Delta T = 12h43m34s
Ecliptic obliquity = 23°55'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'40, Lahiri = -30°53'40 Julian Calendar 1 Apr. 1954 BCE == Greg. Calendar 15 March 1954 BCE


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## MAY 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 13 27 25 | 22♈20'41 | 7♏32 | 1♉54 | 3♊32 | 18♊38 | 27♐39 | 17♑25 | 9°R17 | 14°R35 | 18°R16 | 15°R53 | 17♐28 | 4♓50 | n.a. | S 1 |
| M 2 | 13 31 22 | 23°17'46 | 21°41 | 3°57 | 4°39 | 19°13 | 27°40 | 17°26 | 9♐16 | 14♐34 | 18♎14 | 15♐49 | 17°25 | 4°56 | n.a. | M 2 |
| T 3 | 13 35 19 | 24°14'50 | 5♐25 | 5°58 | 5°47 | 19°48 | 27°40 | 17°27 | 9°14 | 14°33 | 18°12 | 15°46 | 17°22 | 5° 3 | n.a. | T 3 |
| W 4 | 13 39 15 | 25°11'53 | 18°42 | 7°58 | 6°54 | 20°24 | 27°R40 | 17°29 | 9°13 | 14°32 | 18°11 | 15°D46 | 17°18 | 5°10 | n.a. | W 4 |
| T 5 | 13 43 12 | 26° 8'57 | 1♑35 | 9°55 | 8° 1 | 20°59 | 27°40 | 17°30 | 9°11 | 14°31 | 18° 9 | 15°47 | 17°15 | 5°16 | n.a. | T 5 |
| F 6 | 13 47 8 | 27° 6'01 | 14° 5 | 11°50 | 9° 8 | 21°34 | 27°40 | 17°31 | 9°10 | 14°30 | 18° 7 | 15°48 | 17°12 | 5°23 | n.a. | F 6 |
| S 7 | 13 51 5 | 28° 3'04 | 26°19 | 13°43 | 10°14 | 22° 9 | 27°39 | 17°32 | 9° 8 | 14°29 | 18° 6 | 15°R48 | 17° 9 | 5°30 | n.a. | S 7 |
| S 8 | 13 55 1 | 29° 0'07 | 8♒21 | 15°34 | 11°21 | 22°45 | 27°38 | 17°33 | 9° 7 | 14°28 | 18° 4 | 15°48 | 17° 6 | 5°37 | n.a. | S 8 |
| M 9 | 13 58 58 | 29°57'11 | 20°15 | 17°23 | 12°28 | 23°20 | 27°37 | 17°34 | 9° 5 | 14°27 | 18° 3 | 15°46 | 17° 3 | 5°43 | n.a. | M 9 |
| T 10 | 14 2 55 | 0♉54'14 | 2♓ 7 | 19° 9 | 13°34 | 23°56 | 27°36 | 17°34 | 9° 3 | 14°26 | 18° 1 | 15°42 | 16°59 | 5°50 | n.a. | T 10 |
| W11 | 14 6 51 | 1°51'17 | 14° 0 | 20°53 | 14°40 | 24°31 | 27°35 | 17°35 | 9° 2 | 14°25 | 18° 0 | 15°36 | 16°56 | 5°57 | n.a. | W11 |
| T 12 | 14 10 48 | 2°48'21 | 25°58 | 22°35 | 15°46 | 25° 7 | 27°33 | 17°35 | 9° 0 | 14°24 | 17°58 | 15°29 | 16°53 | 6° 3 | n.a. | T 12 |
| F 13 | 14 14 44 | 3°45'24 | 8♈ 4 | 24°15 | 16°52 | 25°43 | 27°32 | 17°36 | 8°58 | 14°23 | 17°56 | 15°21 | 16°50 | 6°10 | n.a. | F 13 |
| S 14 | 14 18 41 | 4°42'28 | 20°19 | 25°52 | 17°57 | 26°18 | 27°30 | 17°36 | 8°56 | 14°22 | 17°55 | 15°14 | 16°47 | 6°17 | n.a. | S 14 |
| S 15 | 14 22 37 | 5°39'32 | 2♉45 | 27°27 | 19° 3 | 26°54 | 27°28 | 17°36 | 8°54 | 14°20 | 17°53 | 15° 8 | 16°43 | 6°24 | n.a. | S 15 |
| M16 | 14 26 34 | 6°36'35 | 15°23 | 29° 0 | 20° 8 | 27°30 | 27°25 | 17°R36 | 8°52 | 14°19 | 17°52 | 15° 3 | 16°40 | 6°30 | n.a. | M16 |
| T 17 | 14 30 30 | 7°33'39 | 28°13 | 0♊30 | 21°13 | 28° 6 | 27°23 | 17°36 | 8°51 | 14°18 | 17°50 | 15° 0 | 16°37 | 6°37 | n.a. | T 17 |
| W18 | 14 34 27 | 8°30'43 | 11♊15 | 1°58 | 22°18 | 28°42 | 27°20 | 17°36 | 8°49 | 14°17 | 17°49 | 14°D59 | 16°34 | 6°44 | n.a. | W18 |
| T 19 | 14 38 24 | 9°27'46 | 24°30 | 3°24 | 23°23 | 29°18 | 27°18 | 17°36 | 8°47 | 14°16 | 17°47 | 14°59 | 16°31 | 6°51 | n.a. | T 19 |
| F 20 | 14 42 20 | 10°24'50 | 7♋57 | 4°47 | 24°27 | 29°54 | 27°15 | 17°35 | 8°45 | 14°14 | 17°46 | 15° 0 | 16°28 | 6°57 | n.a. | F 20 |
| S 21 | 14 46 17 | 11°21'54 | 21°38 | 6° 8 | 25°32 | 0♋31 | 27°11 | 17°35 | 8°43 | 14°13 | 17°45 | 15° 2 | 16°24 | 7° 4 | n.a. | S 21 |
| S 22 | 14 50 13 | 12°18'57 | 5♌31 | 7°27 | 26°36 | 1° 7 | 27° 8 | 17°35 | 8°41 | 14°12 | 17°43 | 15° 3 | 16°21 | 7°11 | n.a. | S 22 |
| M23 | 14 54 10 | 13°16'00 | 19°38 | 8°43 | 27°40 | 1°43 | 27° 5 | 17°34 | 8°38 | 14°10 | 17°42 | 15°R 3 | 16°18 | 7°17 | n.a. | M23 |
| T 24 | 14 58 6 | 14°13'03 | 3♍56 | 9°56 | 28°43 | 2°20 | 27° 1 | 17°33 | 8°36 | 14° 9 | 17°40 | 15° 1 | 16°15 | 7°24 | n.a. | T 24 |
| W25 | 15 2 3 | 15°10'07 | 18°23 | 11° 7 | 29°46 | 2°56 | 26°57 | 17°32 | 8°34 | 14° 8 | 17°39 | 14°59 | 16°12 | 7°31 | n.a. | W25 |
| T 26 | 15 6 0 | 16° 7'10 | 2♎55 | 12°15 | 0♋50 | 3°33 | 26°53 | 17°31 | 8°32 | 14° 6 | 17°38 | 14°55 | 16° 9 | 7°38 | n.a. | T 26 |
| F 27 | 15 9 56 | 17° 4'13 | 17°25 | 13°20 | 1°52 | 4° 9 | 26°49 | 17°30 | 8°30 | 14° 5 | 17°36 | 14°51 | 16° 5 | 7°44 | n.a. | F 27 |
| S 28 | 15 13 53 | 18° 1'17 | 1♏49 | 14°23 | 2°55 | 4°46 | 26°44 | 17°29 | 8°28 | 14° 4 | 17°35 | 14°48 | 16° 2 | 7°51 | n.a. | S 28 |
| S 29 | 15 17 49 | 18°58'21 | 16° 1 | 15°22 | 3°57 | 5°22 | 26°40 | 17°28 | 8°26 | 14° 2 | 17°33 | 14°45 | 15°59 | 7°58 | n.a. | S 29 |
| M30 | 15 21 46 | 19°55'26 | 29°55 | 16°19 | 4°59 | 5°59 | 26°35 | 17°27 | 8°23 | 14° 1 | 17°32 | 14°43 | 15°56 | 8° 5 | n.a. | M30 |
| T 31 | 15 25 42 | 20♉52'31 | 13♐29 | 17♊12 | 6♋ 1 | 6♋36 | 26♐30 | 17♑25 | 8♐21 | 13♐59 | 17♎31 | 14°D42 | 15♐53 | 8♓11 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| S 1 | 8n52 | 17s17 | 3s10 | 13n49 | 1n33 | 23n35 | 2n21 | 25n 0 | 1n35 | 24s23 | 0s29 | 23s46 | 1s 1 | 22s28 | 0s11 | 22s26 | 0n35 | 3n19 | 11n30 | 23s 9 | 23s19 | 5s16 | | | n.a. |
| M 2 | 9 14 | 20 34 | 2 6 | 14 38 | 1 39 | 23 49 | 2 22 | 25 2 | 1 34 | 24 23 | 0 29 | 23 46 | 1 1 | 22 28 | 0 11 | 22 25 | 0 35 | 3 19 | 11 30 | 23 9 | 23 19 | 5 13 | | | n.a. |
| T 3 | 9 35 | 22 33 | 0 55 | 15 26 | 1 45 | 24 3 | 2 23 | 25 5 | 1 34 | 24 23 | 0 29 | 23 46 | 1 1 | 22 28 | 0 11 | 22 25 | 0 35 | 3 20 | 11 30 | 23 8 | 23 18 | 5 11 | | | n.a. |
| W 4 | 9 56 | 23 10 | 0n16 | 16 11 | 1 50 | 24 15 | 2 24 | 25 7 | 1 33 | 24 23 | 0 30 | 23 46 | 1 1 | 22 28 | 0 11 | 22 25 | 0 35 | 3 20 | 11 29 | 23 8 | 23 18 | 5 8 | | | n.a. |
| T 5 | 10 18 | 22 30 | 1 24 | 16 54 | 1 55 | 24 27 | 2 24 | 25 9 | 1 33 | 24 24 | 0 30 | 23 46 | 1 1 | 22 27 | 0 11 | 22 25 | 0 35 | 3 20 | 11 29 | 23 9 | 23 18 | 5 5 | | | n.a. |
| F 6 | 10 39 | 20 44 | 2 27 | 17 34 | 1 59 | 24 39 | 2 25 | 25 11 | 1 33 | 24 24 | 0 30 | 23 46 | 1 2 | 22 27 | 0 11 | 22 25 | 0 35 | 3 21 | 11 29 | 23 9 | 23 17 | 5 3 | | | n.a. |
| S 7 | 10 59 | 18 1 | 3 21 | 18 13 | 2 2 | 24 50 | 2 26 | 25 13 | 1 32 | 24 24 | 0 30 | 23 46 | 1 2 | 22 27 | 0 11 | 22 25 | 0 35 | 3 21 | 11 29 | 23 9 | 23 17 | 5 0 | | | n.a. |
| S 8 | 11 20 | 14 36 | 4 5 | 18 49 | 2 5 | 25 0 | 2 26 | 25 15 | 1 32 | 24 24 | 0 31 | 23 46 | 1 2 | 22 27 | 0 11 | 22 25 | 0 35 | 3 22 | 11 29 | 23 9 | 23 17 | 4 57 | | | n.a. |
| M 9 | 11 41 | 10 38 | 4 39 | 19 23 | 2 7 | 25 10 | 2 26 | 25 16 | 1 31 | 24 25 | 0 31 | 23 46 | 1 2 | 22 26 | 0 11 | 22 25 | 0 35 | 3 22 | 11 29 | 23 8 | 23 16 | 4 55 | | | n.a. |
| T 10 | 12 1 | 6 17 | 5 0 | 19 54 | 2 8 | 25 18 | 2 26 | 25 18 | 1 31 | 24 25 | 0 31 | 23 46 | 1 2 | 22 26 | 0 11 | 22 25 | 0 35 | 3 23 | 11 28 | 23 8 | 23 16 | 4 52 | | | n.a. |
| W11 | 12 21 | 1 41 | 5 8 | 20 24 | 2 8 | 25 27 | 2 27 | 25 19 | 1 31 | 24 25 | 0 31 | 23 46 | 1 3 | 22 26 | 0 11 | 22 24 | 0 35 | 3 23 | 11 28 | 23 7 | 23 16 | 4 50 | | | n.a. |
| T 12 | 12 41 | 2n59 | 5 3 | 20 51 | 2 8 | 25 34 | 2 26 | 25 20 | 1 30 | 24 25 | 0 31 | 23 46 | 1 3 | 22 26 | 0 11 | 22 24 | 0 35 | 3 24 | 11 28 | 23 7 | 23 15 | 4 47 | | | n.a. |
| F 13 | 13 1 | 7 36 | 4 45 | 21 16 | 2 7 | 25 41 | 2 26 | 25 21 | 1 30 | 24 25 | 0 32 | 23 47 | 1 3 | 22 25 | 0 11 | 22 24 | 0 35 | 3 24 | 11 28 | 23 6 | 23 15 | 4 44 | | | n.a. |
| S 14 | 13 21 | 11 59 | 4 13 | 21 39 | 2 6 | 25 47 | 2 26 | 25 21 | 1 30 | 24 26 | 0 32 | 23 47 | 1 3 | 22 25 | 0 11 | 22 24 | 0 35 | 3 24 | 11 28 | 23 5 | 23 15 | 4 42 | | | n.a. |
| S 15 | 13 40 | 15 56 | 3 29 | 21 59 | 2 4 | 25 53 | 2 26 | 25 22 | 1 29 | 24 26 | 0 32 | 23 47 | 1 3 | 22 25 | 0 11 | 22 24 | 0 35 | 3 25 | 11 27 | 23 4 | 23 14 | 4 39 | | | n.a. |
| M16 | 14 0 | 19 13 | 2 34 | 22 18 | 2 1 | 25 57 | 2 25 | 25 22 | 1 29 | 24 26 | 0 32 | 23 47 | 1 4 | 22 25 | 0 11 | 22 24 | 0 35 | 3 25 | 11 27 | 23 4 | 23 14 | 4 36 | | | n.a. |
| T 17 | 14 19 | 21 37 | 1 30 | 22 35 | 1 58 | 26 1 | 2 25 | 25 23 | 1 28 | 24 26 | 0 33 | 23 47 | 1 4 | 22 24 | 0 11 | 22 24 | 0 35 | 3 25 | 11 27 | 23 3 | 23 14 | 4 34 | | | n.a. |
| W18 | 14 37 | 22 55 | 0 20 | 22 50 | 1 54 | 26 5 | 2 24 | 25 23 | 1 28 | 24 26 | 0 33 | 23 47 | 1 4 | 22 24 | 0 11 | 22 23 | 0 35 | 3 26 | 11 27 | 23 3 | 23 14 | 4 31 | | | n.a. |
| T 19 | 14 56 | 22 56 | 0s52 | 23 2 | 1 49 | 26 8 | 2 23 | 25 23 | 1 28 | 24 27 | 0 33 | 23 48 | 1 4 | 22 24 | 0 11 | 22 23 | 0 35 | 3 26 | 11 27 | 23 3 | 23 13 | 4 28 | | | n.a. |
| F 20 | 15 14 | 21 39 | 2 2 | 23 13 | 1 44 | 26 10 | 2 22 | 25 22 | 1 27 | 24 27 | 0 33 | 23 48 | 1 4 | 22 23 | 0 11 | 22 23 | 0 35 | 3 27 | 11 26 | 23 3 | 23 13 | 4 26 | | | n.a. |
| S 21 | 15 32 | 19 4 | 3 7 | 23 23 | 1 38 | 26 11 | 2 21 | 25 22 | 1 27 | 24 27 | 0 34 | 23 48 | 1 4 | 22 23 | 0 11 | 22 23 | 0 35 | 3 27 | 11 26 | 23 4 | 23 13 | 4 23 | | | n.a. |
| S 22 | 15 50 | 15 22 | 4 1 | 23 30 | 1 32 | 26 12 | 2 20 | 25 21 | 1 26 | 24 27 | 0 34 | 23 48 | 1 5 | 22 23 | 0 11 | 22 23 | 0 35 | 3 27 | 11 26 | 23 4 | 23 12 | 4 20 | | | n.a. |
| M23 | 16 8 | 10 46 | 4 42 | 23 36 | 1 25 | 26 12 | 2 18 | 25 20 | 1 26 | 24 27 | 0 34 | 23 49 | 1 5 | 22 22 | 0 11 | 22 23 | 0 35 | 3 27 | 11 26 | 23 4 | 23 12 | 4 18 | | | n.a. |
| T 24 | 16 25 | 5 30 | 5 7 | 23 40 | 1 18 | 26 11 | 2 17 | 25 19 | 1 26 | 24 27 | 0 34 | 23 49 | 1 5 | 22 22 | 0 11 | 22 23 | 0 35 | 3 28 | 11 25 | 23 3 | 23 12 | 4 15 | | | n.a. |
| W25 | 16 43 | 0s 5 | 5 12 | 23 42 | 1 10 | 26 10 | 2 15 | 25 18 | 1 25 | 24 28 | 0 35 | 23 49 | 1 5 | 22 22 | 0 11 | 22 22 | 0 35 | 3 28 | 11 25 | 23 3 | 23 11 | 4 13 | | | n.a. |
| T 26 | 16 59 | 5 43 | 4 57 | 23 43 | 1 1 | 26 8 | 2 13 | 25 17 | 1 25 | 24 28 | 0 35 | 23 50 | 1 5 | 22 21 | 0 11 | 22 22 | 0 35 | 3 28 | 11 25 | 23 3 | 23 11 | 4 10 | | | n.a. |
| F 27 | 17 16 | 11 1 | 4 24 | 23 43 | 0 52 | 26 5 | 2 11 | 25 15 | 1 24 | 24 28 | 0 35 | 23 50 | 1 6 | 22 21 | 0 11 | 22 22 | 0 35 | 3 29 | 11 24 | 23 2 | 23 11 | 4 7 | | | n.a. |
| S 28 | 17 32 | 15 40 | 3 34 | 23 41 | 0 42 | 26 2 | 2 9 | 25 14 | 1 24 | 24 28 | 0 35 | 23 50 | 1 6 | 22 21 | 0 12 | 22 22 | 0 35 | 3 29 | 11 24 | 23 2 | 23 10 | 4 5 | | | n.a. |
| S 29 | 17 49 | 19 22 | 2 31 | 23 38 | 0 32 | 25 58 | 2 7 | 25 12 | 1 23 | 24 28 | 0 36 | 23 51 | 1 6 | 22 20 | 0 12 | 22 22 | 0 35 | 3 29 | 11 24 | 23 2 | 23 10 | 4 2 | | | n.a. |
| M30 | 18 4 | 21 51 | 1 20 | 23 34 | 0 22 | 25 54 | 2 4 | 25 10 | 1 23 | 24 28 | 0 36 | 23 51 | 1 6 | 22 20 | 0 12 | 22 22 | 0 35 | 3 29 | 11 24 | 23 1 | 23 10 | 3 59 | | | n.a. |
| T 31 | 18n20 | 22s59 | 0s 7 | 23n28 | 0n11 | 25n49 | 2n 2 | 25n 8 | 1n23 | 24s28 | 0s36 | 23s51 | 1s 6 | 22s20 | 0s12 | 22s21 | 0n35 | 3n29 | 11n23 | 23s 1 | 23s 9 | 3s57 | | | n.a. |

Julian Day Number = 1007844.5, Delta T = 12h43m32s
Ecliptic obliquity = 23°55'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'36, Lahiri = -30°53'36 Julian Calendar 1 May 1954 BCE == Greg. Calendar 14 Apr. 1954 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## JUNE 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 15 29 39 | 21♉49'37 | 26♐41 | 18♊ 2 | 7♋ 3 | 7♋13 | 26°R25 | 17°R24 | 8°R19 | 13°R58 | 17°R30 | 14♐43 | 15♐49 | 8♓18 | n.a. | W 1 |
| T 2 | 15 33 36 | 22°46'44 | 9♑32 | 18°48 | 8° 4 | 7°50 | 26♐20 | 17♑22 | 8♐17 | 13♐56 | 17♎28 | 14°44 | 15°46 | 8°25 | n.a. | T 2 |
| F 3 | 15 37 32 | 23°43'51 | 22° 4 | 19°31 | 9° 5 | 8°27 | 26°15 | 17°21 | 8°14 | 13°55 | 17°27 | 14°45 | 15°43 | 8°31 | n.a. | F 3 |
| S 4 | 15 41 29 | 24°41'00 | 4♒19 | 20°10 | 10° 5 | 9° 4 | 26° 9 | 17°19 | 8°12 | 13°53 | 17°26 | 14°47 | 15°40 | 8°38 | n.a. | S 4 |
| S 5 | 15 45 25 | 25°38'09 | 16°23 | 20°46 | 11° 5 | 9°41 | 26° 3 | 17°17 | 8°10 | 13°52 | 17°25 | 14°48 | 15°37 | 8°45 | n.a. | S 5 |
| M 6 | 15 49 22 | 26°35'19 | 28°19 | 21°17 | 12° 5 | 10°18 | 25°58 | 17°15 | 8° 7 | 13°50 | 17°24 | 14°R48 | 15°34 | 8°52 | n.a. | M 6 |
| T 7 | 15 53 18 | 27°32'31 | 10♓12 | 21°44 | 13° 5 | 10°55 | 25°52 | 17°13 | 8° 5 | 13°49 | 17°22 | 14°47 | 15°30 | 8°58 | n.a. | T 7 |
| W 8 | 15 57 15 | 28°29'43 | 22° 7 | 22° 7 | 14° 4 | 11°32 | 25°46 | 17°11 | 8° 3 | 13°47 | 17°21 | 14°46 | 15°27 | 9° 5 | n.a. | W 8 |
| T 9 | 16 1 11 | 29°26'56 | 4♈ 8 | 22°25 | 15° 3 | 12°10 | 25°40 | 17° 8 | 8° 0 | 13°46 | 17°20 | 14°44 | 15°24 | 9°12 | n.a. | T 9 |
| F 10 | 16 5 8 | 0♊24'10 | 16°18 | 22°38 | 16° 1 | 12°47 | 25°33 | 17° 6 | 7°58 | 13°44 | 17°19 | 14°42 | 15°21 | 9°18 | n.a. | F 10 |
| S 11 | 16 9 5 | 1°21'26 | 28°41 | 22°47 | 16°59 | 13°25 | 25°27 | 17° 4 | 7°56 | 13°42 | 17°18 | 14°40 | 15°18 | 9°25 | n.a. | S 11 |
| S 12 | 16 13 1 | 2°18'42 | 11♉19 | 22°R51 | 17°57 | 14° 2 | 25°20 | 17° 1 | 7°53 | 13°41 | 17°17 | 14°39 | 15°15 | 9°32 | n.a. | S 12 |
| M13 | 16 16 58 | 3°16'00 | 24°13 | 22°50 | 18°54 | 14°40 | 25°14 | 16°59 | 7°51 | 13°39 | 17°16 | 14°38 | 15°11 | 9°39 | n.a. | M13 |
| T 14 | 16 20 54 | 4°13'19 | 7♊23 | 22°44 | 19°51 | 15°17 | 25° 7 | 16°56 | 7°48 | 13°38 | 17°15 | 14°37 | 15° 8 | 9°45 | n.a. | T 14 |
| W15 | 16 24 51 | 5°10'38 | 20°48 | 22°32 | 20°47 | 15°55 | 25° 0 | 16°53 | 7°46 | 13°36 | 17°14 | 14°D37 | 15° 5 | 9°52 | n.a. | W15 |
| T 16 | 16 28 47 | 6° 7'59 | 4♋27 | 22°16 | 21°43 | 16°33 | 24°53 | 16°50 | 7°44 | 13°34 | 17°13 | 14°37 | 15° 2 | 9°59 | n.a. | T 16 |
| F 17 | 16 32 44 | 7° 5'21 | 18°19 | 21°55 | 22°39 | 17°10 | 24°46 | 16°47 | 7°41 | 13°33 | 17°12 | 14°38 | 14°59 | 10° 6 | n.a. | F 17 |
| S 18 | 16 36 41 | 8° 2'43 | 2♌20 | 21°28 | 23°33 | 17°48 | 24°39 | 16°44 | 7°39 | 13°31 | 17°12 | 14°39 | 14°55 | 10°12 | n.a. | S 18 |
| S 19 | 16 40 37 | 9° 0'07 | 16°28 | 20°58 | 24°28 | 18°26 | 24°32 | 16°41 | 7°36 | 13°30 | 17°11 | 14°39 | 14°52 | 10°19 | n.a. | S 19 |
| M20 | 16 44 34 | 9°57'31 | 0♍40 | 20°23 | 25°22 | 19° 4 | 24°24 | 16°38 | 7°34 | 13°28 | 17°10 | 14°39 | 14°49 | 10°26 | n.a. | M20 |
| T 21 | 16 48 30 | 10°54'56 | 14°55 | 19°44 | 26°15 | 19°42 | 24°17 | 16°35 | 7°32 | 13°26 | 17° 9 | 14°R39 | 14°46 | 10°32 | n.a. | T 21 |
| W22 | 16 52 27 | 11°52'22 | 29° 9 | 19° 2 | 27° 8 | 20°20 | 24° 9 | 16°31 | 7°29 | 13°25 | 17° 8 | 14°39 | 14°43 | 10°39 | n.a. | W22 |
| T 23 | 16 56 23 | 12°49'49 | 13♎19 | 18°18 | 28° 0 | 20°58 | 24° 2 | 16°28 | 7°27 | 13°23 | 17° 8 | 14°39 | 14°40 | 10°46 | n.a. | T 23 |
| F 24 | 17 0 20 | 13°47'16 | 27°24 | 17°31 | 28°51 | 21°37 | 23°54 | 16°25 | 7°25 | 13°21 | 17° 7 | 14°39 | 14°36 | 10°53 | n.a. | F 24 |
| S 25 | 17 4 16 | 14°44'45 | 11♏20 | 16°43 | 29°42 | 22°15 | 23°47 | 16°21 | 7°22 | 13°20 | 17° 6 | 14°D39 | 14°33 | 10°59 | n.a. | S 25 |
| S 26 | 17 8 13 | 15°42'16 | 25° 4 | 15°56 | 0♌32 | 22°53 | 23°39 | 16°18 | 7°20 | 13°18 | 17° 6 | 14°39 | 14°30 | 11° 6 | n.a. | S 26 |
| M27 | 17 12 10 | 16°39'47 | 8♐35 | 15° 8 | 1°22 | 23°31 | 23°31 | 16°14 | 7°17 | 13°17 | 17° 5 | 14°R39 | 14°27 | 11°13 | n.a. | M27 |
| T 28 | 17 16 6 | 17°37'20 | 21°51 | 14°23 | 2°11 | 24°10 | 23°24 | 16°10 | 7°15 | 13°15 | 17° 4 | 14°39 | 14°24 | 11°20 | n.a. | T 28 |
| W29 | 17 20 3 | 18°34'55 | 4♑50 | 13°40 | 2°59 | 24°48 | 23°16 | 16° 6 | 7°13 | 13°13 | 17° 4 | 14°39 | 14°21 | 11°26 | n.a. | W29 |
| T 30 | 17 23 59 | 19♊32'30 | 17♑33 | 13♊ 0 | 3♌46 | 25♋27 | 23♐ 8 | 16♑ 3 | 7♐10 | 13♐12 | 17♎ 3 | 14♐39 | 14♐17 | 11♓33 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 18n35 | 22s47 | 1n 5 | 23n21 | 0s 1 | 25n43 | 1n59 | 25n 5 | 1n22 | 24s28 | 0s36 | 23s52 | 1s 7 | 22s19 | 0s12 | 22s21 | 0n35 | 3n30 | 11n23 | 23s 1 | 23s 9 | 3s54 | | n.a. |
| T 2 | 18 50 | 21 22 | 2 12 | 23 14 | 0 12 | 25 36 | 1 57 | 25 3 | 1 22 | 24 29 | 0 37 | 23 52 | 1 7 | 22 19 | 0 12 | 22 21 | 0 35 | 3 30 | 11 23 | 23 1 | 23 8 | 3 51 | | n.a. |
| F 3 | 19 5 | 18 55 | 3 11 | 23 5 | 0 25 | 25 29 | 1 54 | 25 0 | 1 21 | 24 29 | 0 37 | 23 53 | 1 7 | 22 19 | 0 12 | 22 21 | 0 35 | 3 30 | 11 22 | 23 2 | 23 8 | 3 49 | | n.a. |
| S 4 | 19 19 | 15 41 | 4 0 | 22 55 | 0 37 | 25 22 | 1 50 | 24 57 | 1 21 | 24 29 | 0 37 | 23 53 | 1 7 | 22 18 | 0 12 | 22 21 | 0 35 | 3 30 | 11 22 | 23 2 | 23 8 | 3 46 | | n.a. |
| S 5 | 19 33 | 11 50 | 4 38 | 22 45 | 0 50 | 25 13 | 1 47 | 24 54 | 1 20 | 24 29 | 0 37 | 23 53 | 1 7 | 22 18 | 0 12 | 22 21 | 0 35 | 3 30 | 11 22 | 23 2 | 23 7 | 3 44 | | n.a. |
| M 6 | 19 47 | 7 34 | 5 2 | 22 34 | 1 4 | 25 5 | 1 44 | 24 50 | 1 20 | 24 29 | 0 37 | 23 54 | 1 8 | 22 18 | 0 12 | 22 20 | 0 35 | 3 30 | 11 21 | 23 2 | 23 7 | 3 41 | | n.a. |
| T 7 | 20 0 | 3 3 | 5 14 | 22 22 | 1 17 | 24 55 | 1 40 | 24 47 | 1 20 | 24 29 | 0 38 | 23 54 | 1 8 | 22 17 | 0 12 | 22 20 | 0 35 | 3 31 | 11 21 | 23 2 | 23 7 | 3 38 | | n.a. |
| W 8 | 20 13 | 1n35 | 5 13 | 22 10 | 1 31 | 24 45 | 1 36 | 24 43 | 1 19 | 24 29 | 0 38 | 23 55 | 1 8 | 22 17 | 0 12 | 22 20 | 0 35 | 3 31 | 11 21 | 23 2 | 23 6 | 3 36 | | n.a. |
| T 9 | 20 26 | 6 12 | 4 58 | 21 57 | 1 45 | 24 35 | 1 32 | 24 39 | 1 19 | 24 29 | 0 38 | 23 55 | 1 8 | 22 16 | 0 12 | 22 20 | 0 35 | 3 31 | 11 20 | 23 2 | 23 6 | 3 33 | | n.a. |
| F 10 | 20 39 | 10 39 | 4 29 | 21 44 | 1 59 | 24 24 | 1 28 | 24 35 | 1 18 | 24 29 | 0 38 | 23 56 | 1 8 | 22 16 | 0 12 | 22 20 | 0 35 | 3 31 | 11 20 | 23 1 | 23 6 | 3 30 | | n.a. |
| S 11 | 20 51 | 14 45 | 3 47 | 21 30 | 2 13 | 24 12 | 1 24 | 24 31 | 1 18 | 24 29 | 0 39 | 23 56 | 1 8 | 22 16 | 0 12 | 22 19 | 0 35 | 3 31 | 11 20 | 23 1 | 23 5 | 3 28 | | n.a. |
| S 12 | 21 2 | 18 16 | 2 54 | 21 16 | 2 27 | 24 0 | 1 20 | 24 27 | 1 17 | 24 29 | 0 39 | 23 57 | 1 9 | 22 15 | 0 12 | 22 19 | 0 35 | 3 31 | 11 19 | 23 1 | 23 5 | 3 25 | | n.a. |
| M13 | 21 14 | 20 59 | 1 51 | 21 2 | 2 41 | 23 48 | 1 15 | 24 22 | 1 17 | 24 29 | 0 39 | 23 57 | 1 9 | 22 15 | 0 12 | 22 19 | 0 35 | 3 31 | 11 19 | 23 1 | 23 5 | 3 22 | | n.a. |
| T 14 | 21 25 | 22 38 | 0 40 | 20 48 | 2 55 | 23 35 | 1 10 | 24 17 | 1 17 | 24 29 | 0 39 | 23 58 | 1 9 | 22 15 | 0 12 | 22 19 | 0 35 | 3 31 | 11 19 | 23 1 | 23 4 | 3 20 | | n.a. |
| W15 | 21 35 | 23 1 | 0s34 | 20 34 | 3 9 | 23 21 | 1 5 | 24 12 | 1 16 | 24 29 | 0 39 | 23 58 | 1 9 | 22 14 | 0 12 | 22 19 | 0 35 | 3 31 | 11 18 | 23 1 | 23 4 | 3 17 | | n.a. |
| T 16 | 21 46 | 22 3 | 1 48 | 20 20 | 3 21 | 23 7 | 1 0 | 24 7 | 1 16 | 24 29 | 0 40 | 23 59 | 1 9 | 22 14 | 0 12 | 22 18 | 0 35 | 3 31 | 11 18 | 23 1 | 23 4 | 3 15 | | n.a. |
| F 17 | 21 56 | 19 44 | 2 56 | 20 7 | 3 34 | 22 53 | 0 55 | 24 2 | 1 15 | 24 29 | 0 40 | 23 59 | 1 10 | 22 13 | 0 12 | 22 18 | 0 35 | 3 31 | 11 17 | 23 1 | 23 3 | 3 12 | | n.a. |
| S 18 | 22 5 | 16 14 | 3 55 | 19 54 | 3 45 | 22 38 | 0 50 | 23 57 | 1 15 | 24 29 | 0 40 | 24 0 | 1 10 | 22 13 | 0 12 | 22 18 | 0 35 | 3 31 | 11 17 | 23 1 | 23 3 | 3 9 | | n.a. |
| S 19 | 22 14 | 11 47 | 4 39 | 19 41 | 3 56 | 22 23 | 0 44 | 23 51 | 1 14 | 24 28 | 0 40 | 24 0 | 1 10 | 22 13 | 0 12 | 22 18 | 0 35 | 3 31 | 11 17 | 23 1 | 23 2 | 3 7 | | n.a. |
| M20 | 22 23 | 6 40 | 5 7 | 19 29 | 4 5 | 22 7 | 0 38 | 23 45 | 1 14 | 24 28 | 0 40 | 24 1 | 1 10 | 22 12 | 0 12 | 22 18 | 0 35 | 3 31 | 11 16 | 23 1 | 23 2 | 3 4 | | n.a. |
| T 21 | 22 32 | 1 12 | 5 17 | 19 18 | 4 14 | 21 51 | 0 32 | 23 39 | 1 13 | 24 28 | 0 41 | 24 2 | 1 10 | 22 12 | 0 12 | 22 18 | 0 35 | 3 31 | 11 16 | 23 1 | 23 2 | 3 1 | | n.a. |
| W22 | 22 40 | 4s20 | 5 7 | 19 8 | 4 21 | 21 35 | 0 26 | 23 33 | 1 13 | 24 28 | 0 41 | 24 2 | 1 10 | 22 11 | 0 12 | 22 17 | 0 35 | 3 31 | 11 15 | 23 1 | 23 1 | 2 59 | | n.a. |
| T 23 | 22 47 | 9 37 | 4 38 | 18 58 | 4 26 | 21 18 | 0 20 | 23 26 | 1 12 | 24 28 | 0 41 | 24 3 | 1 11 | 22 11 | 0 12 | 22 17 | 0 35 | 3 31 | 11 15 | 23 1 | 23 1 | 2 56 | | n.a. |
| F 24 | 22 55 | 14 22 | 3 53 | 18 50 | 4 30 | 21 1 | 0 13 | 23 20 | 1 12 | 24 28 | 0 41 | 24 3 | 1 11 | 22 11 | 0 12 | 22 17 | 0 35 | 3 31 | 11 15 | 23 1 | 23 1 | 2 54 | | n.a. |
| S 25 | 23 2 | 18 17 | 2 54 | 18 44 | 4 32 | 20 44 | 0 7 | 23 13 | 1 12 | 24 28 | 0 41 | 24 4 | 1 11 | 22 10 | 0 12 | 22 17 | 0 35 | 3 30 | 11 14 | 23 1 | 23 0 | 2 51 | | n.a. |
| S 26 | 23 8 | 21 8 | 1 46 | 18 38 | 4 33 | 20 26 | 0s 0 | 23 6 | 1 11 | 24 27 | 0 42 | 24 5 | 1 11 | 22 10 | 0 12 | 22 17 | 0 35 | 3 30 | 11 14 | 23 1 | 23 0 | 2 48 | | n.a. |
| M27 | 23 14 | 22 44 | 0 34 | 18 35 | 4 31 | 20 8 | 0 7 | 22 59 | 1 11 | 24 27 | 0 42 | 24 5 | 1 11 | 22 9 | 0 12 | 22 16 | 0 35 | 3 30 | 11 13 | 23 1 | 22 59 | 2 46 | | n.a. |
| T 28 | 23 20 | 23 0 | 0n40 | 18 33 | 4 28 | 19 50 | 0 15 | 22 52 | 1 10 | 24 27 | 0 42 | 24 6 | 1 11 | 22 9 | 0 12 | 22 16 | 0 35 | 3 30 | 11 13 | 23 1 | 22 59 | 2 43 | | n.a. |
| W29 | 23 25 | 22 0 | 1 50 | 18 33 | 4 23 | 19 31 | 0 22 | 22 44 | 1 10 | 24 27 | 0 42 | 24 6 | 1 11 | 22 9 | 0 12 | 22 16 | 0 35 | 3 30 | 11 12 | 23 1 | 22 59 | 2 40 | | n.a. |
| T 30 | 23n30 | 19s54 | 2n52 | 18n35 | 4s16 | 19n13 | 0s30 | 22n37 | 1n 9 | 24s26 | 0s42 | 24s 7 | 1s12 | 22s 8 | 0s12 | 22s16 | 0n35 | 3n30 | 11n12 | 23s 1 | 22s58 | 2s38 | | n.a. |

Julian Day Number = 1007875.5, Delta T = 12h43m29s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'32, Lahiri = -30°53'31 Julian Calendar 1 June 1954 BCE == Greg. Calendar 15 May 1954 BCE


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## JULY 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 17 27 56 | 20♊30'08 | 0♒ 1 | 12°R24 | 4♌32 | 26♋ 5 | 23°R 0 | 15°R59 | 7°R 8 | 13°R10 | 17°R 3 | 14°R38 | 14♐14 | 11♓40 | n.a. | F 1 |
| S 2 | 17 31 52 | 21°27'47 | 12°15 | 11♊54 | 5°18 | 26°44 | 22♐52 | 15♉55 | 7♐ 6 | 13♐ 8 | 17♎ 2 | 14♐37 | 14°11 | 11°46 | n.a. | S 2 |
| S 3 | 17 35 49 | 22°25'28 | 24°18 | 11°29 | 6° 3 | 27°23 | 22°44 | 15°51 | 7° 4 | 13° 7 | 17° 2 | 14°36 | 14° 8 | 11°53 | n.a. | S 3 |
| M 4 | 17 39 46 | 23°23'10 | 6♓14 | 11°10 | 6°46 | 28° 1 | 22°37 | 15°47 | 7° 1 | 13° 5 | 17° 2 | 14°35 | 14° 5 | 12° 0 | n.a. | M 4 |
| T 5 | 17 43 42 | 24°20'55 | 18° 7 | 10°58 | 7°29 | 28°40 | 22°29 | 15°43 | 6°59 | 13° 4 | 17° 1 | 14°35 | 14° 1 | 12° 7 | n.a. | T 5 |
| W 6 | 17 47 39 | 25°18'41 | 0♈ 2 | 10°D52 | 8°11 | 29°19 | 22°21 | 15°38 | 6°57 | 13° 2 | 17° 1 | 14°D35 | 13°58 | 12°13 | n.a. | W 6 |
| T 7 | 17 51 35 | 26°16'29 | 12° 3 | 10°55 | 8°52 | 29°58 | 22°13 | 15°34 | 6°55 | 13° 0 | 17° 1 | 14°35 | 13°55 | 12°20 | n.a. | T 7 |
| F 8 | 17 55 32 | 27°14'19 | 24°14 | 11° 5 | 9°32 | 0♌37 | 22° 5 | 15°30 | 6°52 | 12°59 | 17° 0 | 14°36 | 13°52 | 12°27 | n.a. | F 8 |
| S 9 | 17 59 28 | 28°12'11 | 6♉40 | 11°22 | 10°11 | 1°16 | 21°58 | 15°26 | 6°50 | 12°57 | 17° 0 | 14°37 | 13°49 | 12°34 | n.a. | S 9 |
| S 10 | 18 3 25 | 29°10'05 | 19°24 | 11°47 | 10°48 | 1°55 | 21°50 | 15°21 | 6°48 | 12°56 | 17° 0 | 14°39 | 13°46 | 12°40 | n.a. | S 10 |
| M11 | 18 7 21 | 0♋ 8'01 | 2♊29 | 12°20 | 11°25 | 2°34 | 21°42 | 15°17 | 6°46 | 12°54 | 17° 0 | 14°39 | 13°42 | 12°47 | n.a. | M11 |
| T 12 | 18 11 18 | 1° 5'58 | 15°55 | 13° 1 | 12° 0 | 3°14 | 21°34 | 15°13 | 6°44 | 12°53 | 17° 0 | 14°R40 | 13°39 | 12°54 | n.a. | T 12 |
| W13 | 18 15 15 | 2° 3'58 | 29°42 | 13°49 | 12°34 | 3°53 | 21°27 | 15° 8 | 6°42 | 12°51 | 16°59 | 14°39 | 13°36 | 13° 0 | n.a. | W13 |
| T 14 | 18 19 11 | 3° 2'00 | 13♋47 | 14°44 | 13° 7 | 4°32 | 21°19 | 15° 4 | 6°40 | 12°50 | 16°59 | 14°38 | 13°33 | 13° 7 | n.a. | T 14 |
| F 15 | 18 23 8 | 4° 0'03 | 28° 7 | 15°46 | 13°38 | 5°12 | 21°12 | 14°59 | 6°38 | 12°48 | 16°59 | 14°36 | 13°30 | 13°14 | n.a. | F 15 |
| S 16 | 18 27 4 | 4°58'08 | 12♌35 | 16°54 | 14° 8 | 5°51 | 21° 4 | 14°55 | 6°35 | 12°47 | 16°D59 | 14°33 | 13°27 | 13°21 | n.a. | S 16 |
| S 17 | 18 31 1 | 5°56'14 | 27° 6 | 18° 9 | 14°37 | 6°30 | 20°57 | 14°50 | 6°33 | 12°45 | 16°59 | 14°30 | 13°23 | 13°27 | n.a. | S 17 |
| M18 | 18 34 57 | 6°54'22 | 11♍35 | 19°30 | 15° 3 | 7°10 | 20°50 | 14°46 | 6°32 | 12°44 | 16°59 | 14°28 | 13°20 | 13°34 | n.a. | M18 |
| T 19 | 18 38 54 | 7°52'32 | 25°57 | 20°56 | 15°29 | 7°50 | 20°43 | 14°41 | 6°30 | 12°42 | 17° 0 | 14°27 | 13°17 | 13°41 | n.a. | T 19 |
| W20 | 18 42 50 | 8°50'43 | 10♎ 8 | 22°27 | 15°52 | 8°29 | 20°35 | 14°37 | 6°28 | 12°41 | 17° 0 | 14°D26 | 13°14 | 13°47 | n.a. | W20 |
| T 21 | 18 46 47 | 9°48'56 | 24° 7 | 24° 2 | 16°14 | 9° 9 | 20°28 | 14°32 | 6°26 | 12°40 | 17° 0 | 14°27 | 13°11 | 13°54 | n.a. | T 21 |
| F 22 | 18 50 43 | 10°47'10 | 7♏52 | 25°41 | 16°34 | 9°49 | 20°22 | 14°27 | 6°24 | 12°38 | 17° 0 | 14°28 | 13° 7 | 14° 1 | n.a. | F 22 |
| S 23 | 18 54 40 | 11°45'27 | 21°25 | 27°24 | 16°53 | 10°29 | 20°15 | 14°23 | 6°22 | 12°37 | 17° 0 | 14°30 | 13° 4 | 14° 8 | n.a. | S 23 |
| S 24 | 18 58 37 | 12°43'45 | 4♐44 | 29° 9 | 17° 9 | 11° 9 | 20° 8 | 14°18 | 6°20 | 12°35 | 17° 0 | 14°31 | 13° 1 | 14°14 | n.a. | S 24 |
| M25 | 19 2 33 | 13°42'05 | 17°50 | 0♋57 | 17°23 | 11°48 | 20° 1 | 14°13 | 6°19 | 12°34 | 17° 1 | 14°R31 | 12°58 | 14°21 | n.a. | M25 |
| T 26 | 19 6 30 | 14°40'26 | 0♑44 | 2°47 | 17°36 | 12°29 | 19°55 | 14° 9 | 6°17 | 12°33 | 17° 1 | 14°30 | 12°55 | 14°28 | n.a. | T 26 |
| W27 | 19 10 26 | 15°38'50 | 13°26 | 4°39 | 17°46 | 13° 9 | 19°49 | 14° 4 | 6°15 | 12°31 | 17° 1 | 14°27 | 12°52 | 14°35 | n.a. | W27 |
| T 28 | 19 14 23 | 16°37'16 | 25°56 | 6°31 | 17°54 | 13°49 | 19°42 | 14° 0 | 6°14 | 12°30 | 17° 2 | 14°23 | 12°48 | 14°41 | n.a. | T 28 |
| F 29 | 19 18 19 | 17°35'44 | 8♒15 | 8°25 | 18° 0 | 14°29 | 19°36 | 13°55 | 6°12 | 12°29 | 17° 2 | 14°18 | 12°45 | 14°48 | n.a. | F 29 |
| S 30 | 19 22 16 | 18°34'13 | 20°23 | 10°19 | 18° 4 | 15° 9 | 19°30 | 13°50 | 6°10 | 12°28 | 17° 3 | 14°12 | 12°42 | 14°55 | n.a. | S 30 |
| S 31 | 19 26 12 | 19♋32'46 | 2♓24 | 12♋13 | 18°R 5 | 15♌49 | 19♐25 | 13♑46 | 6♐ 9 | 12♐26 | 17♎ 3 | 14♐ 6 | 12♐39 | 15♓ 1 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 23n34 | 16s53 | 3n46 | 18n39 | 4s 8 | 18n54 | 0s38 | 22n29 | 1n 9 | 24s26 | 0s43 | 24s 8 | 1s12 | 22s 8 | 0s12 | 22s16 | 0n35 | 3n29 | 11n12 | 23s 1 | 22s58 | 2s35 | | n.a. |
| S 2 | 23 38 | 13 11 | 4 28 | 18 44 | 3 58 | 18 35 | 0 46 | 22 21 | 1 8 | 24 26 | 0 43 | 24 8 | 1 12 | 22 7 | 0 12 | 22 15 | 0 35 | 3 29 | 11 11 | 23 1 | 22 58 | 2 33 | | n.a. |
| S 3 | 23 42 | 9 1 | 4 57 | 18 52 | 3 46 | 18 16 | 0 54 | 22 13 | 1 8 | 24 26 | 0 43 | 24 9 | 1 12 | 22 7 | 0 12 | 22 15 | 0 35 | 3 29 | 11 11 | 23 1 | 22 57 | 2 30 | | n.a. |
| M 4 | 23 45 | 4 34 | 5 13 | 19 2 | 3 34 | 17 57 | 1 3 | 22 4 | 1 7 | 24 25 | 0 43 | 24 10 | 1 12 | 22 7 | 0 12 | 22 15 | 0 35 | 3 29 | 11 10 | 23 0 | 22 57 | 2 27 | | n.a. |
| T 5 | 23 48 | 0n 3 | 5 16 | 19 14 | 3 20 | 17 37 | 1 11 | 21 56 | 1 7 | 24 25 | 0 43 | 24 10 | 1 12 | 22 6 | 0 12 | 22 15 | 0 35 | 3 28 | 11 10 | 23 0 | 22 56 | 2 25 | | n.a. |
| W 6 | 23 50 | 4 40 | 5 5 | 19 27 | 3 6 | 17 18 | 1 20 | 21 47 | 1 6 | 24 25 | 0 43 | 24 11 | 1 12 | 22 6 | 0 12 | 22 15 | 0 35 | 3 28 | 11 9 | 23 0 | 22 56 | 2 22 | | n.a. |
| T 7 | 23 52 | 9 9 | 4 41 | 19 43 | 2 51 | 16 58 | 1 29 | 21 38 | 1 6 | 24 24 | 0 43 | 24 11 | 1 13 | 22 6 | 0 12 | 22 15 | 0 35 | 3 28 | 11 9 | 23 0 | 22 56 | 2 20 | | n.a. |
| F 8 | 23 53 | 13 21 | 4 4 | 19 59 | 2 35 | 16 39 | 1 38 | 21 29 | 1 5 | 24 24 | 0 44 | 24 12 | 1 13 | 22 5 | 0 12 | 22 14 | 0 35 | 3 27 | 11 9 | 23 1 | 22 55 | 2 17 | | n.a. |
| S 9 | 23 54 | 17 4 | 3 15 | 20 18 | 2 19 | 16 19 | 1 48 | 21 20 | 1 5 | 24 24 | 0 44 | 24 13 | 1 13 | 22 5 | 0 12 | 22 14 | 0 35 | 3 27 | 11 8 | 23 1 | 22 55 | 2 14 | | n.a. |
| S 10 | 23 55 | 20 6 | 2 15 | 20 37 | 2 3 | 15 59 | 1 58 | 21 10 | 1 4 | 24 23 | 0 44 | 24 13 | 1 13 | 22 4 | 0 12 | 22 14 | 0 35 | 3 27 | 11 8 | 23 1 | 22 55 | 2 12 | | n.a. |
| M11 | 23 55 | 22 10 | 1 7 | 20 58 | 1 46 | 15 40 | 2 7 | 21 1 | 1 4 | 24 23 | 0 44 | 24 14 | 1 13 | 22 4 | 0 12 | 22 14 | 0 35 | 3 26 | 11 7 | 23 1 | 22 54 | 2 9 | | n.a. |
| T 12 | 23 55 | 23 3 | 0s 7 | 21 20 | 1 30 | 15 20 | 2 17 | 20 51 | 1 3 | 24 23 | 0 44 | 24 15 | 1 13 | 22 4 | 0 12 | 22 14 | 0 35 | 3 26 | 11 7 | 23 1 | 22 54 | 2 7 | | n.a. |
| W13 | 23 54 | 22 33 | 1 22 | 21 42 | 1 14 | 15 1 | 2 28 | 20 41 | 1 3 | 24 22 | 0 44 | 24 15 | 1 13 | 22 3 | 0 12 | 22 13 | 0 35 | 3 26 | 11 6 | 23 1 | 22 53 | 2 4 | | n.a. |
| T 14 | 23 53 | 20 38 | 2 34 | 22 4 | 0 58 | 14 41 | 2 38 | 20 31 | 1 2 | 24 22 | 0 44 | 24 16 | 1 14 | 22 3 | 0 12 | 22 13 | 0 34 | 3 25 | 11 6 | 23 1 | 22 53 | 2 1 | | n.a. |
| F 15 | 23 51 | 17 25 | 3 37 | 22 26 | 0 42 | 14 22 | 2 49 | 20 21 | 1 2 | 24 22 | 0 45 | 24 17 | 1 14 | 22 3 | 0 12 | 22 13 | 0 34 | 3 25 | 11 5 | 23 1 | 22 53 | 1 59 | | n.a. |
| S 16 | 23 49 | 13 6 | 4 27 | 22 49 | 0 27 | 14 3 | 3 0 | 20 11 | 1 1 | 24 21 | 0 45 | 24 17 | 1 14 | 22 2 | 0 12 | 22 13 | 0 34 | 3 25 | 11 5 | 23 0 | 22 52 | 1 56 | | n.a. |
| S 17 | 23 47 | 8 2 | 5 0 | 23 10 | 0 13 | 13 44 | 3 11 | 20 0 | 1 1 | 24 21 | 0 45 | 24 18 | 1 14 | 22 2 | 0 12 | 22 13 | 0 34 | 3 24 | 11 4 | 23 0 | 22 52 | 1 53 | | n.a. |
| M18 | 23 44 | 2 32 | 5 14 | 23 31 | 0n 1 | 13 26 | 3 22 | 19 49 | 1 0 | 24 20 | 0 45 | 24 18 | 1 14 | 22 2 | 0 12 | 22 13 | 0 34 | 3 24 | 11 4 | 23 0 | 22 51 | 1 51 | | n.a. |
| T 19 | 23 41 | 3s 3 | 5 8 | 23 50 | 0 14 | 13 7 | 3 33 | 19 38 | 1 0 | 24 20 | 0 45 | 24 19 | 1 14 | 22 1 | 0 12 | 22 12 | 0 34 | 3 23 | 11 4 | 22 59 | 22 51 | 1 48 | | n.a. |
| W20 | 23 37 | 8 25 | 4 43 | 24 9 | 0 27 | 12 49 | 3 45 | 19 27 | 0 59 | 24 20 | 0 45 | 24 20 | 1 14 | 22 1 | 0 12 | 22 12 | 0 34 | 3 23 | 11 3 | 22 59 | 22 51 | 1 46 | | n.a. |
| T 21 | 23 33 | 13 16 | 4 2 | 24 25 | 0 38 | 12 32 | 3 56 | 19 16 | 0 59 | 24 19 | 0 45 | 24 20 | 1 14 | 22 1 | 0 12 | 22 12 | 0 34 | 3 22 | 11 3 | 22 59 | 22 50 | 1 43 | | n.a. |
| F 22 | 23 28 | 17 22 | 3 8 | 24 40 | 0 49 | 12 15 | 4 8 | 19 5 | 0 58 | 24 19 | 0 45 | 24 21 | 1 14 | 22 0 | 0 12 | 22 12 | 0 34 | 3 22 | 11 2 | 23 0 | 22 50 | 1 40 | | n.a. |
| S 23 | 23 23 | 20 27 | 2 3 | 24 52 | 0 59 | 11 58 | 4 20 | 18 53 | 0 58 | 24 18 | 0 45 | 24 22 | 1 15 | 22 0 | 0 12 | 22 12 | 0 34 | 3 21 | 11 2 | 23 0 | 22 49 | 1 38 | | n.a. |
| S 24 | 23 18 | 22 23 | 0 53 | 25 3 | 1 8 | 11 41 | 4 32 | 18 42 | 0 57 | 24 18 | 0 46 | 24 22 | 1 15 | 22 0 | 0 12 | 22 12 | 0 34 | 3 21 | 11 1 | 23 0 | 22 49 | 1 35 | | n.a. |
| M25 | 23 12 | 23 3 | 0n18 | 25 10 | 1 16 | 11 25 | 4 44 | 18 30 | 0 57 | 24 18 | 0 46 | 24 23 | 1 15 | 21 59 | 0 12 | 22 11 | 0 34 | 3 20 | 11 1 | 23 0 | 22 48 | 1 33 | | n.a. |
| T 26 | 23 6 | 22 27 | 1 28 | 25 16 | 1 23 | 11 10 | 4 57 | 18 18 | 0 56 | 24 17 | 0 46 | 24 23 | 1 15 | 21 59 | 0 12 | 22 11 | 0 34 | 3 20 | 11 0 | 23 0 | 22 48 | 1 30 | | n.a. |
| W27 | 22 59 | 20 43 | 2 31 | 25 19 | 1 29 | 10 55 | 5 9 | 18 6 | 0 56 | 24 17 | 0 46 | 24 24 | 1 15 | 21 59 | 0 12 | 22 11 | 0 34 | 3 19 | 11 0 | 23 0 | 22 48 | 1 27 | | n.a. |
| T 28 | 22 52 | 18 0 | 3 27 | 25 19 | 1 34 | 10 41 | 5 21 | 17 54 | 0 55 | 24 16 | 0 46 | 24 25 | 1 15 | 21 59 | 0 12 | 22 11 | 0 34 | 3 19 | 10 59 | 22 59 | 22 47 | 1 25 | | n.a. |
| F 29 | 22 44 | 14 31 | 4 12 | 25 17 | 1 39 | 10 27 | 5 34 | 17 41 | 0 55 | 24 16 | 0 46 | 24 25 | 1 15 | 21 58 | 0 12 | 22 11 | 0 34 | 3 18 | 10 59 | 22 58 | 22 47 | 1 22 | | n.a. |
| S 30 | 22 36 | 10 29 | 4 44 | 25 12 | 1 42 | 10 14 | 5 46 | 17 29 | 0 54 | 24 15 | 0 46 | 24 26 | 1 15 | 21 58 | 0 12 | 22 11 | 0 34 | 3 17 | 10 59 | 22 58 | 22 46 | 1 20 | | n.a. |
| S 31 | 22n28 | 6s 6 | 5n 4 | 25n 5 | 1n45 | 10n 2 | 5s58 | 17n16 | 0n54 | 24s15 | 0s46 | 24s26 | 1s15 | 21s58 | 0s12 | 22s11 | 0n34 | 3n17 | 10n58 | 22s57 | 22s46 | 1s17 | | n.a. |

Julian Day Number = 1007905.5, Delta T = 12h43m27s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'28, Lahiri = -30°53'27 Julian Calendar 1 July 1954 BCE == Greg. Calendar 14 June 1954 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## AUGUST 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 19 30 9 | 20♋31'20 | 14♓18 | 14♋ 7 | 18°R 4 | 16♌30 | 19°R19 | 13°R41 | 6°R 7 | 12°R25 | 17♎ 4 | 14°R 0 | 12♐36 | 15♓ 8 | n.a. | M 1 |
| T 2 | 19 34 6 | 21°29'56 | 26°10 | 16° 2 | 18♌ 1 | 17°10 | 19♐13 | 13♑37 | 6♐ 6 | 12♐24 | 17° 4 | 13♐56 | 12°33 | 15°15 | n.a. | T 2 |
| W 3 | 19 38 2 | 22°28'35 | 8♈ 3 | 17°55 | 17°56 | 17°51 | 19° 8 | 13°32 | 6° 4 | 12°23 | 17° 5 | 13°53 | 12°29 | 15°22 | n.a. | W 3 |
| T 4 | 19 41 59 | 23°27'17 | 20° 1 | 19°49 | 17°48 | 18°31 | 19° 3 | 13°27 | 6° 3 | 12°22 | 17° 5 | 13°D52 | 12°26 | 15°28 | n.a. | T 4 |
| F 5 | 19 45 55 | 24°26'01 | 2♉10 | 21°41 | 17°37 | 19°12 | 18°58 | 13°23 | 6° 2 | 12°21 | 17° 6 | 13°52 | 12°23 | 15°35 | n.a. | F 5 |
| S 6 | 19 49 52 | 25°24'47 | 14°34 | 23°33 | 17°25 | 19°52 | 18°53 | 13°18 | 6° 0 | 12°20 | 17° 7 | 13°53 | 12°20 | 15°42 | n.a. | S 6 |
| S 7 | 19 53 48 | 26°23'36 | 27°17 | 25°24 | 17°10 | 20°33 | 18°48 | 13°14 | 5°59 | 12°18 | 17° 8 | 13°54 | 12°17 | 15°49 | n.a. | S 7 |
| M 8 | 19 57 45 | 27°22'27 | 10♊24 | 27°15 | 16°53 | 21°14 | 18°43 | 13°10 | 5°58 | 12°17 | 17° 8 | 13°R55 | 12°13 | 15°55 | n.a. | M 8 |
| T 9 | 20 1 41 | 28°21'21 | 23°57 | 29° 4 | 16°33 | 21°55 | 18°39 | 13° 5 | 5°57 | 12°16 | 17° 9 | 13°55 | 12°10 | 16° 2 | n.a. | T 9 |
| W10 | 20 5 38 | 29°20'17 | 7♋56 | 0♌53 | 16°11 | 22°36 | 18°35 | 13° 1 | 5°56 | 12°15 | 17°10 | 13°53 | 12° 7 | 16° 9 | n.a. | W10 |
| T 11 | 20 9 34 | 0♌19'15 | 22°20 | 2°41 | 15°47 | 23°16 | 18°31 | 12°56 | 5°55 | 12°14 | 17°11 | 13°48 | 12° 4 | 16°15 | n.a. | T 11 |
| F 12 | 20 13 31 | 1°18'15 | 7♌ 3 | 4°27 | 15°22 | 23°57 | 18°27 | 12°52 | 5°54 | 12°14 | 17°12 | 13°42 | 12° 1 | 16°22 | n.a. | F 12 |
| S 13 | 20 17 28 | 2°17'18 | 21°58 | 6°13 | 14°54 | 24°39 | 18°23 | 12°48 | 5°53 | 12°13 | 17°13 | 13°35 | 11°58 | 16°29 | n.a. | S 13 |
| S 14 | 20 21 24 | 3°16'23 | 6♍56 | 7°58 | 14°24 | 25°20 | 18°20 | 12°44 | 5°52 | 12°12 | 17°13 | 13°27 | 11°54 | 16°36 | n.a. | S 14 |
| M15 | 20 25 21 | 4°15'29 | 21°48 | 9°42 | 13°53 | 26° 1 | 18°16 | 12°40 | 5°51 | 12°11 | 17°14 | 13°20 | 11°51 | 16°42 | n.a. | M15 |
| T 16 | 20 29 17 | 5°14'38 | 6♎26 | 11°25 | 13°21 | 26°42 | 18°13 | 12°35 | 5°50 | 12°10 | 17°15 | 13°15 | 11°48 | 16°49 | n.a. | T 16 |
| W17 | 20 33 14 | 6°13'48 | 20°46 | 13° 7 | 12°47 | 27°23 | 18°10 | 12°31 | 5°49 | 12° 9 | 17°17 | 13°12 | 11°45 | 16°56 | n.a. | W17 |
| T 18 | 20 37 10 | 7°13'01 | 4♏45 | 14°49 | 12°12 | 28° 5 | 18° 7 | 12°27 | 5°48 | 12° 8 | 17°18 | 13°D11 | 11°42 | 17° 3 | n.a. | T 18 |
| F 19 | 20 41 7 | 8°12'15 | 18°22 | 16°29 | 11°37 | 28°46 | 18° 5 | 12°23 | 5°48 | 12° 8 | 17°19 | 13°11 | 11°38 | 17° 9 | n.a. | F 19 |
| S 20 | 20 45 3 | 9°11'32 | 1♐41 | 18° 9 | 11° 1 | 29°28 | 18° 2 | 12°20 | 5°47 | 12° 7 | 17°20 | 13°12 | 11°35 | 17°16 | n.a. | S 20 |
| S 21 | 20 49 0 | 10°10'50 | 14°42 | 19°47 | 10°24 | 0♍ 9 | 18° 0 | 12°16 | 5°46 | 12° 6 | 17°21 | 13°R12 | 11°32 | 17°23 | n.a. | S 21 |
| M22 | 20 52 56 | 11°10'10 | 27°29 | 21°25 | 9°48 | 0°51 | 17°58 | 12°12 | 5°46 | 12° 6 | 17°22 | 13°11 | 11°29 | 17°29 | n.a. | M22 |
| T 23 | 20 56 53 | 12° 9'33 | 10♑ 4 | 23° 2 | 9°11 | 1°32 | 17°56 | 12° 8 | 5°45 | 12° 5 | 17°23 | 13° 8 | 11°26 | 17°36 | n.a. | T 23 |
| W24 | 21 0 50 | 13° 8'57 | 22°29 | 24°39 | 8°35 | 2°14 | 17°55 | 12° 5 | 5°45 | 12° 5 | 17°25 | 13° 2 | 11°23 | 17°43 | n.a. | W24 |
| T 25 | 21 4 46 | 14° 8'24 | 4♒45 | 26°14 | 8° 0 | 2°56 | 17°53 | 12° 1 | 5°44 | 12° 4 | 17°26 | 12°53 | 11°19 | 17°50 | n.a. | T 25 |
| F 26 | 21 8 43 | 15° 7'52 | 16°53 | 27°49 | 7°25 | 3°38 | 17°52 | 11°58 | 5°44 | 12° 3 | 17°27 | 12°43 | 11°16 | 17°56 | n.a. | F 26 |
| S 27 | 21 12 39 | 16° 7'23 | 28°55 | 29°23 | 6°52 | 4°19 | 17°51 | 11°54 | 5°44 | 12° 3 | 17°29 | 12°31 | 11°13 | 18° 3 | n.a. | S 27 |
| S 28 | 21 16 36 | 17° 6'56 | 10♓51 | 0♍56 | 6°20 | 5° 1 | 17°50 | 11°51 | 5°43 | 12° 2 | 17°30 | 12°18 | 11°10 | 18°10 | n.a. | S 28 |
| M29 | 21 20 32 | 18° 6'32 | 22°44 | 2°29 | 5°49 | 5°43 | 17°50 | 11°48 | 5°43 | 12° 2 | 17°31 | 12° 6 | 11° 7 | 18°17 | n.a. | M29 |
| T 30 | 21 24 29 | 19° 6'09 | 4♈35 | 4° 1 | 5°20 | 6°25 | 17°49 | 11°44 | 5°43 | 12° 2 | 17°33 | 11°56 | 11° 4 | 18°23 | n.a. | T 30 |
| W31 | 21 28 25 | 20♌ 5'49 | 16♈27 | 5♍32 | 4♌53 | 7♍ 7 | 17♐49 | 11♑41 | 5♐43 | 12♐ 1 | 17♎34 | 11♐49 | 11♐ 0 | 18♓30 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 22n19 | 1s32 | 5n10 | 24n56 | 1n47 | 9n51 | 6s11 | 17n 3 | 0n53 | 24s15 | 0s46 | 24s27 | 1s15 | 21s57 | 0s12 | 22s10 | 0n34 | 3n16 | 10n58 | 22s56 | 22s46 | 1s15 | | | n.a. |
| T 2 | 22 10 | 3n 4 | 5 3 | 24 44 | 1 48 | 9 40 | 6 23 | 16 50 | 0 53 | 24 14 | 0 46 | 24 27 | 1 15 | 21 57 | 0 12 | 22 10 | 0 34 | 3 15 | 10 57 | 22 56 | 22 45 | 1 12 | | | n.a. |
| W 3 | 22 0 | 7 35 | 4 43 | 24 30 | 1 49 | 9 30 | 6 35 | 16 37 | 0 52 | 24 14 | 0 46 | 24 28 | 1 15 | 21 57 | 0 12 | 22 10 | 0 34 | 3 15 | 10 57 | 22 55 | 22 45 | 1 9 | | | n.a. |
| T 4 | 21 50 | 11 50 | 4 11 | 24 13 | 1 49 | 9 21 | 6 47 | 16 24 | 0 52 | 24 14 | 0 46 | 24 28 | 1 15 | 21 57 | 0 12 | 22 10 | 0 34 | 3 14 | 10 56 | 22 55 | 22 44 | 1 7 | | | n.a. |
| F 5 | 21 40 | 15 41 | 3 27 | 23 55 | 1 49 | 9 13 | 6 58 | 16 10 | 0 51 | 24 13 | 0 46 | 24 29 | 1 16 | 21 56 | 0 12 | 22 10 | 0 34 | 3 14 | 10 56 | 22 55 | 22 44 | 1 4 | | | n.a. |
| S 6 | 21 29 | 18 57 | 2 32 | 23 35 | 1 48 | 9 6 | 7 10 | 15 57 | 0 50 | 24 13 | 0 46 | 24 29 | 1 16 | 21 56 | 0 12 | 22 10 | 0 34 | 3 13 | 10 55 | 22 55 | 22 44 | 1 2 | | | n.a. |
| S 7 | 21 18 | 21 23 | 1 29 | 23 13 | 1 46 | 9 0 | 7 21 | 15 43 | 0 50 | 24 12 | 0 46 | 24 30 | 1 16 | 21 56 | 0 12 | 22 10 | 0 34 | 3 12 | 10 55 | 22 56 | 22 43 | 0 59 | | | n.a. |
| M 8 | 21 6 | 22 46 | 0 19 | 22 50 | 1 44 | 8 55 | 7 31 | 15 29 | 0 49 | 24 12 | 0 46 | 24 31 | 1 16 | 21 56 | 0 12 | 22 10 | 0 34 | 3 11 | 10 54 | 22 56 | 22 43 | 0 56 | | | n.a. |
| T 9 | 20 54 | 22 53 | 0s54 | 22 24 | 1 41 | 8 51 | 7 42 | 15 15 | 0 49 | 24 12 | 0 47 | 24 31 | 1 16 | 21 56 | 0 12 | 22 9 | 0 34 | 3 11 | 10 54 | 22 56 | 22 42 | 0 54 | | | n.a. |
| W10 | 20 42 | 21 35 | 2 6 | 21 58 | 1 38 | 8 48 | 7 51 | 15 1 | 0 48 | 24 11 | 0 47 | 24 31 | 1 16 | 21 55 | 0 12 | 22 9 | 0 34 | 3 10 | 10 54 | 22 55 | 22 42 | 0 51 | | | n.a. |
| T 11 | 20 29 | 18 52 | 3 12 | 21 30 | 1 35 | 8 47 | 8 1 | 14 47 | 0 48 | 24 11 | 0 47 | 24 32 | 1 16 | 21 55 | 0 12 | 22 9 | 0 34 | 3 9 | 10 53 | 22 55 | 22 41 | 0 49 | | | n.a. |
| F 12 | 20 16 | 14 54 | 4 7 | 21 0 | 1 31 | 8 46 | 8 9 | 14 32 | 0 47 | 24 11 | 0 47 | 24 32 | 1 16 | 21 55 | 0 12 | 22 9 | 0 34 | 3 9 | 10 53 | 22 54 | 22 41 | 0 46 | | | n.a. |
| S 13 | 20 3 | 9 58 | 4 45 | 20 30 | 1 27 | 8 46 | 8 17 | 14 18 | 0 47 | 24 10 | 0 47 | 24 33 | 1 16 | 21 55 | 0 12 | 22 9 | 0 34 | 3 8 | 10 52 | 22 53 | 22 41 | 0 44 | | | n.a. |
| S 14 | 19 49 | 4 26 | 5 5 | 19 58 | 1 23 | 8 48 | 8 24 | 14 3 | 0 46 | 24 10 | 0 47 | 24 33 | 1 16 | 21 55 | 0 12 | 22 9 | 0 34 | 3 7 | 10 52 | 22 52 | 22 40 | 0 41 | | | n.a. |
| M15 | 19 35 | 1s19 | 5 3 | 19 26 | 1 18 | 8 50 | 8 31 | 13 49 | 0 45 | 24 10 | 0 47 | 24 34 | 1 16 | 21 55 | 0 12 | 22 9 | 0 34 | 3 6 | 10 51 | 22 51 | 22 40 | 0 38 | | | n.a. |
| T 16 | 19 20 | 6 54 | 4 42 | 18 52 | 1 13 | 8 54 | 8 37 | 13 34 | 0 45 | 24 10 | 0 47 | 24 34 | 1 16 | 21 54 | 0 12 | 22 9 | 0 34 | 3 5 | 10 51 | 22 51 | 22 39 | 0 36 | | | n.a. |
| W17 | 19 5 | 12 1 | 4 4 | 18 18 | 1 8 | 8 58 | 8 42 | 13 19 | 0 44 | 24 9 | 0 47 | 24 35 | 1 16 | 21 54 | 0 12 | 22 9 | 0 34 | 3 5 | 10 51 | 22 50 | 22 39 | 0 33 | | | n.a. |
| T 18 | 18 50 | 16 21 | 3 11 | 17 43 | 1 3 | 9 4 | 8 45 | 13 4 | 0 44 | 24 9 | 0 47 | 24 35 | 1 16 | 21 54 | 0 12 | 22 9 | 0 34 | 3 4 | 10 50 | 22 50 | 22 38 | 0 31 | | | n.a. |
| F 19 | 18 35 | 19 42 | 2 9 | 17 7 | 0 57 | 9 11 | 8 49 | 12 48 | 0 43 | 24 9 | 0 47 | 24 35 | 1 16 | 21 54 | 0 12 | 22 9 | 0 34 | 3 3 | 10 50 | 22 50 | 22 38 | 0 28 | | | n.a. |
| S 20 | 18 19 | 21 55 | 1 1 | 16 30 | 0 51 | 9 18 | 8 51 | 12 33 | 0 43 | 24 9 | 0 47 | 24 36 | 1 16 | 21 54 | 0 12 | 22 9 | 0 34 | 3 2 | 10 49 | 22 50 | 22 37 | 0 26 | | | n.a. |
| S 21 | 18 3 | 22 53 | 0n 8 | 15 53 | 0 45 | 9 27 | 8 52 | 12 18 | 0 42 | 24 9 | 0 47 | 24 36 | 1 16 | 21 54 | 0 12 | 22 8 | 0 34 | 3 1 | 10 49 | 22 50 | 22 37 | 0 23 | | | n.a. |
| M22 | 17 46 | 22 38 | 1 16 | 15 16 | 0 39 | 9 36 | 8 52 | 12 2 | 0 41 | 24 8 | 0 47 | 24 37 | 1 16 | 21 54 | 0 12 | 22 8 | 0 33 | 3 1 | 10 48 | 22 50 | 22 37 | 0 20 | | | n.a. |
| T 23 | 17 29 | 21 14 | 2 18 | 14 37 | 0 33 | 9 47 | 8 51 | 11 47 | 0 41 | 24 8 | 0 47 | 24 37 | 1 16 | 21 54 | 0 12 | 22 8 | 0 33 | 3 0 | 10 48 | 22 50 | 22 36 | 0 18 | | | n.a. |
| W24 | 17 12 | 18 49 | 3 13 | 13 59 | 0 26 | 9 57 | 8 50 | 11 31 | 0 40 | 24 8 | 0 47 | 24 37 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 59 | 10 48 | 22 49 | 22 36 | 0 15 | | | n.a. |
| T 25 | 16 55 | 15 36 | 3 59 | 13 20 | 0 20 | 10 9 | 8 47 | 11 15 | 0 40 | 24 8 | 0 47 | 24 38 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 58 | 10 47 | 22 48 | 22 35 | 0 13 | | | n.a. |
| F 26 | 16 37 | 11 46 | 4 33 | 12 40 | 0 13 | 10 21 | 8 43 | 10 59 | 0 39 | 24 8 | 0 47 | 24 38 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 57 | 10 47 | 22 47 | 22 35 | 0 10 | | | n.a. |
| S 27 | 16 19 | 7 30 | 4 54 | 12 1 | 0 6 | 10 34 | 8 39 | 10 43 | 0 39 | 24 8 | 0 47 | 24 38 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 56 | 10 46 | 22 45 | 22 34 | 0 8 | | | n.a. |
| S 28 | 16 1 | 3 0 | 5 2 | 11 21 | 0s 1 | 10 46 | 8 34 | 10 27 | 0 38 | 24 8 | 0 47 | 24 39 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 55 | 10 46 | 22 43 | 22 34 | 0 5 | | | n.a. |
| M29 | 15 42 | 1n36 | 4 57 | 10 41 | 0 7 | 11 0 | 8 27 | 10 10 | 0 37 | 24 8 | 0 47 | 24 39 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 54 | 10 46 | 22 42 | 22 33 | 0 2 | | | n.a. |
| T 30 | 15 24 | 6 7 | 4 39 | 10 1 | 0 14 | 11 13 | 8 20 | 9 54 | 0 37 | 24 8 | 0 47 | 24 39 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 54 | 10 45 | 22 40 | 22 33 | 0n 0 | | | n.a. |
| W31 | 15n 4 | 10n25 | 4n 9 | 9n20 | 0s21 | 11n27 | 8s13 | 9n38 | 0n36 | 24s 7 | 0s47 | 24s40 | 1s16 | 21s53 | 0s12 | 22s 8 | 0n33 | 2n53 | 10n45 | 22s39 | 22s33 | 0n 3 | | | n.a. |

Julian Day Number = 1007936.5, Delta T = 12h43m25s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'24, Lahiri = -30°53'23 Julian Calendar 1 Aug. 1954 BCE == Greg. Calendar 15 July 1954 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## SEPTEMBER 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 21 32 22 | 21♌ 5'32 | 28♈23 | 7♍ 2 | 4°R28 | 7♍50 | 17°D49 | 11°R38 | 5°R43 | 12°R 1 | 17♎36 | 11°R44 | 10♐57 | 18♓37 | n.a. | T 1 |
| F 2 | 21 36 18 | 22° 5'16 | 10♉28 | 8°32 | 4♌ 5 | 8°32 | 17♐49 | 11♑35 | 5°D43 | 12♐ 1 | 17°37 | 11♐41 | 10°54 | 18°43 | n.a. | F 2 |
| S 3 | 21 40 15 | 23° 5'04 | 22°47 | 10° 1 | 3°45 | 9°14 | 17°49 | 11°32 | 5♐43 | 12° 0 | 17°39 | 11°D41 | 10°51 | 18°50 | n.a. | S 3 |
| S 4 | 21 44 12 | 24° 4'54 | 5♊25 | 11°29 | 3°26 | 9°56 | 17°50 | 11°30 | 5°43 | 12° 0 | 17°40 | 11°R41 | 10°48 | 18°57 | n.a. | S 4 |
| M 5 | 21 48 8 | 25° 4'46 | 18°27 | 12°57 | 3°10 | 10°39 | 17°51 | 11°27 | 5°43 | 12° 0 | 17°42 | 11°41 | 10°44 | 19° 4 | n.a. | M 5 |
| T 6 | 21 52 5 | 26° 4'41 | 1♋56 | 14°23 | 2°56 | 11°21 | 17°52 | 11°24 | 5°43 | 12° 0 | 17°43 | 11°39 | 10°41 | 19°10 | n.a. | T 6 |
| W 7 | 21 56 1 | 27° 4'38 | 15°55 | 15°49 | 2°45 | 12° 4 | 17°53 | 11°22 | 5°43 | 12° 0 | 17°45 | 11°36 | 10°38 | 19°17 | n.a. | W 7 |
| T 8 | 21 59 58 | 28° 4'37 | 0♌23 | 17°15 | 2°36 | 12°46 | 17°54 | 11°19 | 5°44 | 11°59 | 17°47 | 11°29 | 10°35 | 19°24 | n.a. | T 8 |
| F 9 | 22 3 54 | 29° 4'39 | 15°16 | 18°39 | 2°30 | 13°29 | 17°56 | 11°17 | 5°44 | 11°59 | 17°48 | 11°20 | 10°32 | 19°30 | n.a. | F 9 |
| S 10 | 22 7 51 | 0♍ 4'42 | 0♍26 | 20° 3 | 2°26 | 14°12 | 17°58 | 11°15 | 5°44 | 11°59 | 17°50 | 11° 9 | 10°29 | 19°37 | n.a. | S 10 |
| S 11 | 22 11 47 | 1° 4'48 | 15°44 | 21°25 | 2°D25 | 14°54 | 18° 0 | 11°13 | 5°45 | 11°D59 | 17°52 | 10°58 | 10°25 | 19°44 | n.a. | S 11 |
| M12 | 22 15 44 | 2° 4'56 | 0♎57 | 22°47 | 2°25 | 15°37 | 18° 2 | 11°10 | 5°45 | 11°59 | 17°54 | 10°47 | 10°22 | 19°51 | n.a. | M12 |
| T 13 | 22 19 40 | 3° 5'05 | 15°54 | 24° 8 | 2°29 | 16°20 | 18° 4 | 11° 9 | 5°46 | 11°59 | 17°55 | 10°39 | 10°19 | 19°57 | n.a. | T 13 |
| W14 | 22 23 37 | 4° 5'17 | 0♏30 | 25°27 | 2°34 | 17° 3 | 18° 7 | 11° 7 | 5°46 | 12° 0 | 17°57 | 10°33 | 10°16 | 20° 4 | n.a. | W14 |
| T 15 | 22 27 34 | 5° 5'30 | 14°39 | 26°46 | 2°42 | 17°46 | 18°10 | 11° 5 | 5°47 | 12° 0 | 17°59 | 10°30 | 10°13 | 20°11 | n.a. | T 15 |
| F 16 | 22 31 30 | 6° 5'45 | 28°21 | 28° 3 | 2°52 | 18°29 | 18°13 | 11° 3 | 5°48 | 12° 0 | 18° 1 | 10°29 | 10°10 | 20°18 | n.a. | F 16 |
| S 17 | 22 35 27 | 7° 6'01 | 11♐37 | 29°19 | 3° 4 | 19°12 | 18°16 | 11° 2 | 5°48 | 12° 0 | 18° 3 | 10°28 | 10° 6 | 20°24 | n.a. | S 17 |
| S 18 | 22 39 23 | 8° 6'19 | 24°32 | 0♎33 | 3°19 | 19°55 | 18°19 | 11° 0 | 5°49 | 12° 0 | 18° 5 | 10°28 | 10° 3 | 20°31 | n.a. | S 18 |
| M19 | 22 43 20 | 9° 6'39 | 7♑ 9 | 1°46 | 3°35 | 20°38 | 18°23 | 10°59 | 5°50 | 12° 1 | 18° 6 | 10°26 | 10° 0 | 20°38 | n.a. | M19 |
| T 20 | 22 47 16 | 10° 7'01 | 19°32 | 2°56 | 3°54 | 21°21 | 18°26 | 10°58 | 5°51 | 12° 1 | 18° 8 | 10°22 | 9°57 | 20°44 | n.a. | T 20 |
| W21 | 22 51 13 | 11° 7'24 | 1♒44 | 4° 5 | 4°14 | 22° 5 | 18°30 | 10°56 | 5°52 | 12° 1 | 18°10 | 10°14 | 9°54 | 20°51 | n.a. | W21 |
| T 22 | 22 55 9 | 12° 7'49 | 13°49 | 5°12 | 4°36 | 22°48 | 18°34 | 10°55 | 5°53 | 12° 2 | 18°12 | 10° 4 | 9°50 | 20°58 | n.a. | T 22 |
| F 23 | 22 59 6 | 13° 8'15 | 25°49 | 6°15 | 5° 0 | 23°31 | 18°39 | 10°54 | 5°54 | 12° 2 | 18°14 | 9°51 | 9°47 | 21° 5 | n.a. | F 23 |
| S 24 | 23 3 2 | 14° 8'44 | 7♓44 | 7°16 | 5°26 | 24°15 | 18°43 | 10°54 | 5°55 | 12° 2 | 18°16 | 9°36 | 9°44 | 21°11 | n.a. | S 24 |
| S 25 | 23 6 59 | 15° 9'14 | 19°38 | 8°14 | 5°54 | 24°58 | 18°48 | 10°53 | 5°56 | 12° 3 | 18°18 | 9°21 | 9°41 | 21°18 | n.a. | S 25 |
| M26 | 23 10 56 | 16° 9'45 | 1♈30 | 9° 8 | 6°23 | 25°42 | 18°53 | 10°52 | 5°57 | 12° 3 | 18°20 | 9° 7 | 9°38 | 21°25 | n.a. | M26 |
| T 27 | 23 14 52 | 17°10'19 | 13°22 | 9°59 | 6°54 | 26°26 | 18°58 | 10°52 | 5°59 | 12° 4 | 18°22 | 8°55 | 9°35 | 21°31 | n.a. | T 27 |
| W28 | 23 18 49 | 18°10'54 | 25°17 | 10°44 | 7°26 | 27° 9 | 19° 3 | 10°51 | 6° 0 | 12° 4 | 18°24 | 8°45 | 9°31 | 21°38 | n.a. | W28 |
| T 29 | 23 22 45 | 19°11'32 | 7♉16 | 11°25 | 8° 0 | 27°53 | 19° 8 | 10°51 | 6° 1 | 12° 5 | 18°27 | 8°38 | 9°28 | 21°45 | n.a. | T 29 |
| F 30 | 23 26 42 | 20♍12'11 | 19♉22 | 12♎ 0 | 8♌35 | 28♍37 | 19♐14 | 10♑51 | 6♐ 3 | 12♐ 6 | 18♎29 | 8♐35 | 9♐25 | 21♓52 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 14n45 | 14n21 | 3n28 | 8n40 | 0s28 | 11n41 | 8s 5 | 9n21 | 0n36 | 24s 7 | 0s47 | 24s40 | 1s16 | 21s53 | 0s12 | 22s 8 | 0n33 | 2n52 | 10n44 | 22s39 | 22s32 | 0n 5 | | n.a. |
| F 2 | 14 26 | 17 45 | 2 38 | 7 59 | 0 35 | 11 55 | 7 56 | 9 4 | 0 35 | 24 7 | 0 47 | 24 40 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 51 | 10 44 | 22 38 | 22 32 | 0 8 | | n.a. |
| S 3 | 14 6 | 20 25 | 1 39 | 7 19 | 0 42 | 12 9 | 7 46 | 8 48 | 0 34 | 24 8 | 0 47 | 24 40 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 50 | 10 44 | 22 38 | 22 31 | 0 10 | | n.a. |
| S 4 | 13 46 | 22 11 | 0 33 | 6 38 | 0 49 | 12 23 | 7 36 | 8 31 | 0 34 | 24 8 | 0 47 | 24 41 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 49 | 10 43 | 22 38 | 22 31 | 0 13 | | n.a. |
| M 5 | 13 25 | 22 49 | 0s36 | 5 58 | 0 56 | 12 37 | 7 26 | 8 14 | 0 33 | 24 8 | 0 47 | 24 41 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 48 | 10 43 | 22 38 | 22 30 | 0 15 | | n.a. |
| T 6 | 13 5 | 22 9 | 1 45 | 5 17 | 1 3 | 12 50 | 7 15 | 7 57 | 0 33 | 24 8 | 0 47 | 24 41 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 47 | 10 43 | 22 38 | 22 30 | 0 18 | | n.a. |
| W 7 | 12 44 | 20 8 | 2 51 | 4 37 | 1 10 | 13 4 | 7 4 | 7 40 | 0 32 | 24 8 | 0 47 | 24 41 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 46 | 10 42 | 22 37 | 22 29 | 0 21 | | n.a. |
| T 8 | 12 23 | 16 46 | 3 47 | 3 57 | 1 17 | 13 17 | 6 52 | 7 23 | 0 31 | 24 8 | 0 47 | 24 41 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 45 | 10 42 | 22 37 | 22 29 | 0 23 | | n.a. |
| F 9 | 12 2 | 12 17 | 4 30 | 3 18 | 1 24 | 13 30 | 6 41 | 7 5 | 0 31 | 24 8 | 0 47 | 24 42 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 44 | 10 41 | 22 35 | 22 28 | 0 26 | | n.a. |
| S 10 | 11 40 | 6 56 | 4 55 | 2 38 | 1 31 | 13 42 | 6 29 | 6 48 | 0 30 | 24 8 | 0 47 | 24 42 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 43 | 10 41 | 22 34 | 22 28 | 0 28 | | n.a. |
| S 11 | 11 18 | 1 9 | 4 59 | 1 59 | 1 37 | 13 54 | 6 17 | 6 31 | 0 29 | 24 8 | 0 47 | 24 42 | 1 16 | 21 53 | 0 12 | 22 8 | 0 33 | 2 42 | 10 41 | 22 32 | 22 27 | 0 31 | | n.a. |
| M12 | 10 57 | 4s41 | 4 42 | 1 20 | 1 44 | 14 6 | 6 4 | 6 13 | 0 29 | 24 9 | 0 47 | 24 42 | 1 16 | 21 54 | 0 12 | 22 8 | 0 33 | 2 41 | 10 40 | 22 31 | 22 27 | 0 33 | | n.a. |
| T 13 | 10 35 | 10 9 | 4 6 | 0 42 | 1 50 | 14 17 | 5 52 | 5 56 | 0 28 | 24 9 | 0 47 | 24 42 | 1 16 | 21 54 | 0 12 | 22 8 | 0 33 | 2 40 | 10 40 | 22 29 | 22 27 | 0 36 | | n.a. |
| W14 | 10 12 | 14 54 | 3 14 | 0 4 | 1 56 | 14 28 | 5 40 | 5 38 | 0 28 | 24 9 | 0 47 | 24 42 | 1 16 | 21 54 | 0 12 | 22 8 | 0 33 | 2 39 | 10 40 | 22 29 | 22 26 | 0 38 | | n.a. |
| T 15 | 9 50 | 18 39 | 2 12 | 0s33 | 2 2 | 14 38 | 5 27 | 5 21 | 0 27 | 24 9 | 0 47 | 24 42 | 1 16 | 21 54 | 0 12 | 22 8 | 0 33 | 2 38 | 10 39 | 22 28 | 22 26 | 0 41 | | n.a. |
| F 16 | 9 27 | 21 13 | 1 4 | 1 10 | 2 8 | 14 48 | 5 15 | 5 3 | 0 26 | 24 9 | 0 47 | 24 43 | 1 16 | 21 54 | 0 12 | 22 8 | 0 33 | 2 37 | 10 39 | 22 28 | 22 25 | 0 43 | | n.a. |
| S 17 | 9 5 | 22 32 | 0n 6 | 1 45 | 2 13 | 14 57 | 5 3 | 4 45 | 0 26 | 24 10 | 0 47 | 24 43 | 1 16 | 21 54 | 0 12 | 22 8 | 0 33 | 2 36 | 10 39 | 22 28 | 22 25 | 0 46 | | n.a. |
| S 18 | 8 42 | 22 35 | 1 14 | 2 20 | 2 19 | 15 6 | 4 50 | 4 27 | 0 25 | 24 10 | 0 47 | 24 43 | 1 16 | 21 54 | 0 12 | 22 9 | 0 33 | 2 35 | 10 38 | 22 28 | 22 24 | 0 48 | | n.a. |
| M19 | 8 19 | 21 28 | 2 16 | 2 54 | 2 24 | 15 14 | 4 38 | 4 9 | 0 25 | 24 10 | 0 47 | 24 43 | 1 16 | 21 54 | 0 12 | 22 9 | 0 33 | 2 34 | 10 38 | 22 28 | 22 24 | 0 51 | | n.a. |
| T 20 | 7 56 | 19 19 | 3 10 | 3 27 | 2 28 | 15 22 | 4 26 | 3 51 | 0 24 | 24 11 | 0 47 | 24 43 | 1 16 | 21 55 | 0 12 | 22 9 | 0 33 | 2 33 | 10 38 | 22 27 | 22 23 | 0 53 | | n.a. |
| W21 | 7 32 | 16 21 | 3 55 | 3 59 | 2 33 | 15 28 | 4 14 | 3 33 | 0 23 | 24 11 | 0 47 | 24 43 | 1 16 | 21 55 | 0 12 | 22 9 | 0 33 | 2 32 | 10 38 | 22 26 | 22 23 | 0 56 | | n.a. |
| T 22 | 7 9 | 12 43 | 4 29 | 4 29 | 2 37 | 15 35 | 4 2 | 3 15 | 0 23 | 24 11 | 0 46 | 24 43 | 1 16 | 21 55 | 0 12 | 22 9 | 0 33 | 2 31 | 10 37 | 22 24 | 22 22 | 0 59 | | n.a. |
| F 23 | 6 45 | 8 37 | 4 50 | 4 58 | 2 40 | 15 40 | 3 50 | 2 57 | 0 22 | 24 12 | 0 46 | 24 43 | 1 16 | 21 55 | 0 12 | 22 9 | 0 32 | 2 30 | 10 37 | 22 22 | 22 22 | 1 1 | | n.a. |
| S 24 | 6 22 | 4 13 | 4 59 | 5 26 | 2 43 | 15 46 | 3 39 | 2 39 | 0 21 | 24 12 | 0 46 | 24 43 | 1 16 | 21 55 | 0 12 | 22 9 | 0 32 | 2 29 | 10 37 | 22 20 | 22 21 | 1 4 | | n.a. |
| S 25 | 5 58 | 0n19 | 4 55 | 5 51 | 2 46 | 15 50 | 3 27 | 2 21 | 0 21 | 24 12 | 0 46 | 24 43 | 1 16 | 21 55 | 0 12 | 22 9 | 0 32 | 2 28 | 10 36 | 22 18 | 22 21 | 1 6 | | n.a. |
| M26 | 5 34 | 4 50 | 4 37 | 6 15 | 2 47 | 15 54 | 3 16 | 2 3 | 0 20 | 24 13 | 0 46 | 24 43 | 1 16 | 21 56 | 0 12 | 22 9 | 0 32 | 2 27 | 10 36 | 22 16 | 22 20 | 1 9 | | n.a. |
| T 27 | 5 10 | 9 10 | 4 8 | 6 36 | 2 48 | 15 57 | 3 5 | 1 45 | 0 19 | 24 13 | 0 46 | 24 43 | 1 16 | 21 56 | 0 12 | 22 9 | 0 32 | 2 26 | 10 36 | 22 14 | 22 20 | 1 11 | | n.a. |
| W28 | 4 46 | 13 10 | 3 27 | 6 55 | 2 49 | 15 59 | 2 53 | 1 26 | 0 19 | 24 14 | 0 46 | 24 43 | 1 16 | 21 56 | 0 12 | 22 9 | 0 32 | 2 25 | 10 36 | 22 12 | 22 19 | 1 14 | | n.a. |
| T 29 | 4 22 | 16 41 | 2 37 | 7 10 | 2 48 | 16 1 | 2 43 | 1 8 | 0 18 | 24 14 | 0 46 | 24 43 | 1 15 | 21 56 | 0 12 | 22 10 | 0 32 | 2 24 | 10 35 | 22 11 | 22 19 | 1 16 | | n.a. |
| F 30 | 3n57 | 19n31 | 1n40 | 7s23 | 2s47 | 16n 2 | 2s32 | 0n50 | 0n17 | 24s14 | 0s46 | 24s43 | 1s15 | 21s57 | 0s12 | 22s10 | 0n32 | 2n23 | 10n35 | 22s10 | 22s18 | 1n19 | | n.a. |

Julian Day Number = 1007967.5, Delta T = 12h43m23s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'19, Lahiri = -30°53'19 Julian Calendar 1 Sept. 1954 BCE == Greg. Calendar 15 Aug. 1954 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## OCTOBER 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 30 38 | 21♍12'52 | 1♊40 | 12♎28 | 9♌12 | 29♍21 | 19♐19 | 10°R50 | 6♐ 4 | 12♐ 6 | 18♎31 | 8°R33 | 9♐22 | 21♓58 | n.a. | S 1 |
| S 2 | 23 34 35 | 22°13'35 | 14°15 | 12°50 | 9°50 | 0♎ 4 | 19°25 | 10°D50 | 6° 6 | 12° 7 | 18°33 | 8°D33 | 9°19 | 22° 5 | n.a. | S 2 |
| M 3 | 23 38 31 | 23°14'20 | 27°10 | 13° 4 | 10°29 | 0°48 | 19°31 | 10♑51 | 6° 7 | 12° 8 | 18°35 | 8°R33 | 9°15 | 22°12 | n.a. | M 3 |
| T 4 | 23 42 28 | 24°15'07 | 10♋30 | 13°R 9 | 11°10 | 1°32 | 19°38 | 10°51 | 6° 9 | 12° 9 | 18°37 | 8♐32 | 9°12 | 22°19 | n.a. | T 4 |
| W 5 | 23 46 25 | 25°15'56 | 24°19 | 13° 5 | 11°51 | 2°16 | 19°44 | 10°51 | 6°10 | 12° 9 | 18°39 | 8°29 | 9° 9 | 22°25 | n.a. | W 5 |
| T 6 | 23 50 21 | 26°16'46 | 8♌37 | 12°52 | 12°34 | 3° 1 | 19°51 | 10°52 | 6°12 | 12°10 | 18°42 | 8°24 | 9° 6 | 22°32 | n.a. | T 6 |
| F 7 | 23 54 18 | 27°17'38 | 23°22 | 12°28 | 13°18 | 3°45 | 19°57 | 10°52 | 6°14 | 12°11 | 18°44 | 8°15 | 9° 3 | 22°39 | n.a. | F 7 |
| S 8 | 23 58 14 | 28°18'32 | 8♍29 | 11°53 | 14° 3 | 4°29 | 20° 4 | 10°53 | 6°16 | 12°12 | 18°46 | 8° 5 | 9° 0 | 22°45 | n.a. | S 8 |
| S 9 | 0 2 11 | 29°19'27 | 23°48 | 11° 8 | 14°49 | 5°13 | 20°11 | 10°53 | 6°17 | 12°13 | 18°48 | 7°55 | 8°56 | 22°52 | n.a. | S 9 |
| M10 | 0 6 7 | 0♎20'24 | 9♎ 8 | 10°13 | 15°36 | 5°58 | 20°18 | 10°54 | 6°19 | 12°14 | 18°50 | 7°44 | 8°53 | 22°59 | n.a. | M10 |
| T 11 | 0 10 4 | 1°21'22 | 24°18 | 9° 9 | 16°24 | 6°42 | 20°26 | 10°55 | 6°21 | 12°15 | 18°53 | 7°36 | 8°50 | 23° 6 | n.a. | T 11 |
| W12 | 0 14 0 | 2°22'21 | 9♏ 7 | 7°57 | 17°13 | 7°26 | 20°33 | 10°56 | 6°23 | 12°16 | 18°55 | 7°30 | 8°47 | 23°12 | n.a. | W12 |
| T 13 | 0 17 57 | 3°23'21 | 23°29 | 6°39 | 18° 2 | 8°11 | 20°41 | 10°58 | 6°25 | 12°17 | 18°57 | 7°27 | 8°44 | 23°19 | n.a. | T 13 |
| F 14 | 0 21 54 | 4°24'22 | 7♐22 | 5°17 | 18°53 | 8°55 | 20°49 | 10°59 | 6°27 | 12°18 | 18°59 | 7°D27 | 8°41 | 23°26 | n.a. | F 14 |
| S 15 | 0 25 50 | 5°25'24 | 20°46 | 3°55 | 19°44 | 9°40 | 20°57 | 11° 0 | 6°29 | 12°19 | 19° 2 | 7°27 | 8°37 | 23°32 | n.a. | S 15 |
| S 16 | 0 29 47 | 6°26'28 | 3♑45 | 2°35 | 20°36 | 10°25 | 21° 5 | 11° 2 | 6°31 | 12°20 | 19° 4 | 7°R28 | 8°34 | 23°39 | n.a. | S 16 |
| M17 | 0 33 43 | 7°27'32 | 16°22 | 1°19 | 21°29 | 11° 9 | 21°13 | 11° 3 | 6°33 | 12°22 | 19° 6 | 7°27 | 8°31 | 23°46 | n.a. | M17 |
| T 18 | 0 37 40 | 8°28'36 | 28°42 | 0°11 | 22°22 | 11°54 | 21°21 | 11° 5 | 6°36 | 12°23 | 19° 9 | 7°25 | 8°28 | 23°53 | n.a. | T 18 |
| W19 | 0 41 36 | 9°29'42 | 10♒49 | 29♍11 | 23°16 | 12°39 | 21°30 | 11° 7 | 6°38 | 12°24 | 19°11 | 7°20 | 8°25 | 23°59 | n.a. | W19 |
| T 20 | 0 45 33 | 10°30'48 | 22°48 | 28°22 | 24°11 | 13°23 | 21°39 | 11° 9 | 6°40 | 12°25 | 19°13 | 7°13 | 8°21 | 24° 6 | n.a. | T 20 |
| F 21 | 0 49 29 | 11°31'55 | 4♓43 | 27°44 | 25° 7 | 14° 8 | 21°48 | 11°11 | 6°42 | 12°27 | 19°15 | 7° 4 | 8°18 | 24°13 | n.a. | F 21 |
| S 22 | 0 53 26 | 12°33'03 | 16°35 | 27°17 | 26° 3 | 14°53 | 21°56 | 11°13 | 6°45 | 12°28 | 19°18 | 6°53 | 8°15 | 24°19 | n.a. | S 22 |
| S 23 | 0 57 23 | 13°34'12 | 28°27 | 27° 2 | 26°59 | 15°38 | 22° 6 | 11°15 | 6°47 | 12°29 | 19°20 | 6°42 | 8°12 | 24°26 | n.a. | S 23 |
| M24 | 1 1 19 | 14°35'21 | 10♈21 | 26°D58 | 27°57 | 16°23 | 22°15 | 11°18 | 6°50 | 12°31 | 19°22 | 6°31 | 8° 9 | 24°33 | n.a. | M24 |
| T 25 | 1 5 16 | 15°36'31 | 22°18 | 27° 4 | 28°54 | 17° 8 | 22°24 | 11°20 | 6°52 | 12°32 | 19°25 | 6°22 | 8° 6 | 24°40 | n.a. | T 25 |
| W26 | 1 9 12 | 16°37'43 | 4♉20 | 27°20 | 29°53 | 17°53 | 22°34 | 11°23 | 6°55 | 12°34 | 19°27 | 6°15 | 8° 2 | 24°46 | n.a. | W26 |
| T 27 | 1 13 9 | 17°38'55 | 16°28 | 27°44 | 0♍52 | 18°38 | 22°43 | 11°25 | 6°57 | 12°35 | 19°29 | 6°10 | 7°59 | 24°53 | n.a. | T 27 |
| F 28 | 1 17 5 | 18°40'08 | 28°44 | 28°16 | 1°51 | 19°24 | 22°53 | 11°28 | 7° 0 | 12°37 | 19°32 | 6° 8 | 7°56 | 25° 0 | n.a. | F 28 |
| S 29 | 1 21 2 | 19°41'22 | 11♊10 | 28°56 | 2°51 | 20° 9 | 23° 3 | 11°31 | 7° 2 | 12°38 | 19°34 | 6°D 8 | 7°53 | 25° 6 | n.a. | S 29 |
| S 30 | 1 24 58 | 20°42'36 | 23°50 | 29°42 | 3°51 | 20°54 | 23°13 | 11°34 | 7° 5 | 12°40 | 19°36 | 6° 9 | 7°50 | 25°13 | n.a. | S 30 |
| M31 | 1 28 55 | 21♎43'52 | 6♋46 | 0♎33 | 4♍52 | 21♎39 | 23♐23 | 11♑37 | 7♐ 8 | 12♐41 | 19♎39 | 6♐10 | 7♐46 | 25♓20 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 3n33 | 21n30 | 0n36 | 7s32 | 2s44 | 16n 2 | 2s22 | 0n31 | 0n17 | 24s15 | 0s46 | 24s43 | 1s15 | 21s57 | 0s12 | 22s10 | 0n32 | 2n22 | 10n35 | 22s10 | 22s18 | 1n21 | | n.a. |
| S 2 | 3 9 | 22 28 | 0s30 | 7 37 | 2 40 | 16 2 | 2 11 | 0 13 | 0 16 | 24 15 | 0 46 | 24 43 | 1 15 | 21 57 | 0 12 | 22 10 | 0 32 | 2 21 | 10 35 | 22 10 | 22 17 | 1 24 | | n.a. |
| M 3 | 2 44 | 22 16 | 1 37 | 7 38 | 2 35 | 16 1 | 2 1 | 0s 5 | 0 16 | 24 16 | 0 46 | 24 43 | 1 15 | 21 57 | 0 12 | 22 10 | 0 32 | 2 20 | 10 34 | 22 10 | 22 17 | 1 26 | | n.a. |
| T 4 | 2 20 | 20 49 | 2 41 | 7 34 | 2 29 | 16 0 | 1 51 | 0 24 | 0 15 | 24 16 | 0 46 | 24 43 | 1 15 | 21 58 | 0 12 | 22 10 | 0 32 | 2 19 | 10 34 | 22 10 | 22 16 | 1 29 | | n.a. |
| W 5 | 1 55 | 18 7 | 3 37 | 7 26 | 2 21 | 15 57 | 1 41 | 0 42 | 0 14 | 24 17 | 0 46 | 24 43 | 1 15 | 21 58 | 0 12 | 22 10 | 0 32 | 2 18 | 10 34 | 22 10 | 22 16 | 1 31 | | n.a. |
| T 6 | 1 30 | 14 15 | 4 23 | 7 11 | 2 11 | 15 54 | 1 32 | 1 1 | 0 14 | 24 17 | 0 46 | 24 43 | 1 15 | 21 58 | 0 12 | 22 10 | 0 32 | 2 17 | 10 34 | 22 9 | 22 15 | 1 34 | | n.a. |
| F 7 | 1 6 | 9 25 | 4 52 | 6 51 | 2 0 | 15 51 | 1 23 | 1 19 | 0 13 | 24 18 | 0 46 | 24 43 | 1 15 | 21 59 | 0 12 | 22 11 | 0 32 | 2 16 | 10 33 | 22 7 | 22 15 | 1 36 | | n.a. |
| S 8 | 0 41 | 3 54 | 5 2 | 6 26 | 1 47 | 15 46 | 1 13 | 1 38 | 0 12 | 24 18 | 0 46 | 24 43 | 1 15 | 21 59 | 0 12 | 22 11 | 0 32 | 2 15 | 10 33 | 22 6 | 22 14 | 1 39 | | n.a. |
| S 9 | 0 16 | 1s55 | 4 51 | 5 54 | 1 32 | 15 41 | 1 5 | 1 56 | 0 12 | 24 19 | 0 46 | 24 42 | 1 15 | 21 59 | 0 12 | 22 11 | 0 32 | 2 14 | 10 33 | 22 4 | 22 14 | 1 41 | | n.a. |
| M10 | 0s 8 | 7 38 | 4 18 | 5 17 | 1 16 | 15 36 | 0 56 | 2 15 | 0 11 | 24 19 | 0 46 | 24 42 | 1 15 | 22 0 | 0 12 | 22 11 | 0 32 | 2 13 | 10 33 | 22 2 | 22 13 | 1 44 | | n.a. |
| T 11 | 0 33 | 12 49 | 3 28 | 4 34 | 0 57 | 15 29 | 0 47 | 2 33 | 0 10 | 24 20 | 0 46 | 24 42 | 1 15 | 22 0 | 0 12 | 22 11 | 0 32 | 2 12 | 10 33 | 22 1 | 22 13 | 1 46 | | n.a. |
| W12 | 0 58 | 17 6 | 2 25 | 3 48 | 0 38 | 15 22 | 0 39 | 2 52 | 0 10 | 24 20 | 0 46 | 24 42 | 1 15 | 22 0 | 0 12 | 22 11 | 0 32 | 2 11 | 10 32 | 22 0 | 22 12 | 1 49 | | n.a. |
| T 13 | 1 22 | 20 12 | 1 14 | 2 58 | 0 18 | 15 15 | 0 31 | 3 10 | 0 9 | 24 21 | 0 46 | 24 42 | 1 15 | 22 1 | 0 12 | 22 12 | 0 32 | 2 10 | 10 32 | 21 59 | 22 12 | 1 51 | | n.a. |
| F 14 | 1 47 | 21 59 | 0 0 | 2 6 | 0n 3 | 15 6 | 0 23 | 3 29 | 0 8 | 24 21 | 0 46 | 24 42 | 1 15 | 22 1 | 0 12 | 22 12 | 0 32 | 2 9 | 10 32 | 21 59 | 22 11 | 1 54 | | n.a. |
| S 15 | 2 12 | 22 25 | 1n11 | 1 14 | 0 23 | 14 57 | 0 15 | 3 47 | 0 8 | 24 22 | 0 46 | 24 42 | 1 15 | 22 1 | 0 12 | 22 12 | 0 32 | 2 8 | 10 32 | 21 59 | 22 11 | 1 56 | | n.a. |
| S 16 | 2 36 | 21 36 | 2 16 | 0 23 | 0 43 | 14 48 | 0 7 | 4 6 | 0 7 | 24 23 | 0 46 | 24 41 | 1 15 | 22 2 | 0 12 | 22 12 | 0 32 | 2 7 | 10 32 | 21 59 | 22 10 | 1 59 | | n.a. |
| M17 | 3 1 | 19 43 | 3 12 | 0n25 | 1 2 | 14 38 | 0n 0 | 4 24 | 0 6 | 24 23 | 0 46 | 24 41 | 1 15 | 22 2 | 0 12 | 22 12 | 0 32 | 2 6 | 10 32 | 21 59 | 22 10 | 2 1 | | n.a. |
| T 18 | 3 26 | 16 57 | 3 58 | 1 9 | 1 20 | 14 27 | 0 7 | 4 43 | 0 6 | 24 24 | 0 46 | 24 41 | 1 15 | 22 2 | 0 12 | 22 12 | 0 32 | 2 5 | 10 31 | 21 59 | 22 9 | 2 4 | | n.a. |
| W19 | 3 50 | 13 29 | 4 33 | 1 48 | 1 36 | 14 15 | 0 14 | 5 1 | 0 5 | 24 24 | 0 46 | 24 41 | 1 14 | 22 3 | 0 12 | 22 13 | 0 32 | 2 4 | 10 31 | 21 58 | 22 9 | 2 6 | | n.a. |
| T 20 | 4 15 | 9 32 | 4 55 | 2 21 | 1 50 | 14 3 | 0 21 | 5 19 | 0 4 | 24 25 | 0 46 | 24 41 | 1 14 | 22 3 | 0 12 | 22 13 | 0 32 | 2 3 | 10 31 | 21 57 | 22 8 | 2 9 | | n.a. |
| F 21 | 4 39 | 5 16 | 5 4 | 2 47 | 2 2 | 13 51 | 0 28 | 5 38 | 0 4 | 24 25 | 0 46 | 24 40 | 1 14 | 22 4 | 0 12 | 22 13 | 0 32 | 2 2 | 10 31 | 21 55 | 22 8 | 2 11 | | n.a. |
| S 22 | 5 3 | 0 48 | 5 0 | 3 7 | 2 13 | 13 37 | 0 34 | 5 56 | 0 3 | 24 26 | 0 46 | 24 40 | 1 14 | 22 4 | 0 12 | 22 13 | 0 32 | 2 1 | 10 31 | 21 54 | 22 7 | 2 14 | | n.a. |
| S 23 | 5 28 | 3n41 | 4 43 | 3 21 | 2 21 | 13 24 | 0 40 | 6 14 | 0 2 | 24 26 | 0 46 | 24 40 | 1 14 | 22 4 | 0 12 | 22 13 | 0 32 | 2 0 | 10 31 | 21 52 | 22 7 | 2 16 | | n.a. |
| M24 | 5 52 | 8 3 | 4 14 | 3 28 | 2 27 | 13 9 | 0 46 | 6 33 | 0 2 | 24 27 | 0 46 | 24 40 | 1 14 | 22 5 | 0 12 | 22 14 | 0 32 | 1 59 | 10 31 | 21 50 | 22 6 | 2 19 | | n.a. |
| T 25 | 6 16 | 12 8 | 3 33 | 3 30 | 2 32 | 12 54 | 0 52 | 6 51 | 0 1 | 24 27 | 0 46 | 24 39 | 1 14 | 22 5 | 0 12 | 22 14 | 0 32 | 1 58 | 10 31 | 21 48 | 22 6 | 2 21 | | n.a. |
| W26 | 6 40 | 15 46 | 2 43 | 3 27 | 2 35 | 12 39 | 0 58 | 7 9 | 0 0 | 24 28 | 0 46 | 24 39 | 1 14 | 22 6 | 0 12 | 22 14 | 0 31 | 1 57 | 10 30 | 21 47 | 22 5 | 2 23 | | n.a. |
| T 27 | 7 4 | 18 45 | 1 44 | 3 18 | 2 36 | 12 22 | 1 4 | 7 27 | 0s 0 | 24 29 | 0 46 | 24 39 | 1 14 | 22 6 | 0 12 | 22 14 | 0 31 | 1 56 | 10 30 | 21 46 | 22 5 | 2 26 | | n.a. |
| F 28 | 7 27 | 20 55 | 0 40 | 3 5 | 2 37 | 12 6 | 1 9 | 7 45 | 0 1 | 24 29 | 0 46 | 24 38 | 1 14 | 22 7 | 0 12 | 22 15 | 0 31 | 1 55 | 10 30 | 21 46 | 22 4 | 2 28 | | n.a. |
| S 29 | 7 51 | 22 7 | 0s27 | 2 49 | 2 36 | 11 49 | 1 14 | 8 3 | 0 2 | 24 30 | 0 46 | 24 38 | 1 14 | 22 7 | 0 12 | 22 15 | 0 31 | 1 54 | 10 30 | 21 46 | 22 4 | 2 31 | | n.a. |
| S 30 | 8 15 | 22 12 | 1 34 | 2 29 | 2 35 | 11 31 | 1 19 | 8 21 | 0 2 | 24 30 | 0 46 | 24 38 | 1 14 | 22 7 | 0 12 | 22 15 | 0 31 | 1 53 | 10 30 | 21 46 | 22 3 | 2 33 | | n.a. |
| M31 | 8s38 | 21n 7 | 2s38 | 2n 6 | 2n32 | 11n13 | 1n24 | 8s39 | 0s 3 | 24s31 | 0s46 | 24s38 | 1s14 | 22s 8 | 0s12 | 22s15 | 0n31 | 1n52 | 10n30 | 21s46 | 22s 3 | 2n36 | | n.a. |

Julian Day Number = 1007997.5, Delta T = 12h43m21s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'15, Lahiri = -30°53'15 Julian Calendar 1 Oct. 1954 BCE == Greg. Calendar 14 Sept. 1954 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## NOVEMBER 1954 BCE (-1953) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 32 52 | 22♎45'08 | 20♋ 3 | 1♎29 | 5♍53 | 22♎25 | 23♐33 | 11♑40 | 7♐10 | 12♐43 | 19♎41 | 6°R11 | 7♐43 | 25♓27 | n.a. | T 1 |
| W 2 | 1 36 48 | 23°46'26 | 3♌42 | 2°29 | 6°55 | 23°10 | 23°43 | 11°43 | 7°13 | 12°44 | 19°43 | 6♐11 | 7°40 | 25°33 | n.a. | W 2 |
| T 3 | 1 40 45 | 24°47'44 | 17°45 | 3°33 | 7°57 | 23°56 | 23°54 | 11°46 | 7°16 | 12°46 | 19°46 | 6° 9 | 7°37 | 25°40 | n.a. | T 3 |
| F 4 | 1 44 41 | 25°49'02 | 2♍12 | 4°41 | 8°59 | 24°41 | 24° 5 | 11°50 | 7°19 | 12°48 | 19°48 | 6° 5 | 7°34 | 25°47 | n.a. | F 4 |
| S 5 | 1 48 38 | 26°50'22 | 17° 0 | 5°51 | 10° 2 | 25°27 | 24°15 | 11°53 | 7°22 | 12°49 | 19°50 | 5°59 | 7°31 | 25°54 | n.a. | S 5 |
| S 6 | 1 52 34 | 27°51'42 | 2♎ 1 | 7° 4 | 11° 5 | 26°12 | 24°26 | 11°57 | 7°24 | 12°51 | 19°53 | 5°53 | 7°27 | 26° 0 | n.a. | S 6 |
| M 7 | 1 56 31 | 28°53'02 | 17° 8 | 8°19 | 12° 9 | 26°58 | 24°37 | 12° 1 | 7°27 | 12°53 | 19°55 | 5°47 | 7°24 | 26° 7 | n.a. | M 7 |
| T 8 | 2 0 28 | 29°54'23 | 2♏10 | 9°36 | 13°13 | 27°44 | 24°48 | 12° 4 | 7°30 | 12°55 | 19°57 | 5°43 | 7°21 | 26°14 | n.a. | T 8 |
| W 9 | 2 4 24 | 0♏55'44 | 16°59 | 10°54 | 14°17 | 28°29 | 24°59 | 12° 8 | 7°33 | 12°57 | 20° 0 | 5°39 | 7°18 | 26°20 | n.a. | W 9 |
| T 10 | 2 8 21 | 1°57'05 | 1♐26 | 12°14 | 15°22 | 29°15 | 25°10 | 12°12 | 7°36 | 12°58 | 20° 2 | 5°D38 | 7°15 | 26°27 | n.a. | T 10 |
| F 11 | 2 12 17 | 2°58'27 | 15°27 | 13°36 | 16°26 | 0♏ 1 | 25°21 | 12°16 | 7°39 | 13° 0 | 20° 4 | 5°38 | 7°12 | 26°34 | n.a. | F 11 |
| S 12 | 2 16 14 | 3°59'48 | 29° 0 | 14°58 | 17°31 | 0°47 | 25°33 | 12°21 | 7°42 | 13° 2 | 20° 6 | 5°40 | 7° 8 | 26°41 | n.a. | S 12 |
| S 13 | 2 20 10 | 5° 1'09 | 12♑ 7 | 16°22 | 18°37 | 1°33 | 25°44 | 12°25 | 7°45 | 13° 4 | 20° 9 | 5°41 | 7° 5 | 26°47 | n.a. | S 13 |
| M14 | 2 24 7 | 6° 2'30 | 24°51 | 17°46 | 19°42 | 2°18 | 25°56 | 12°29 | 7°49 | 13° 6 | 20°11 | 5°43 | 7° 2 | 26°54 | n.a. | M14 |
| T 15 | 2 28 3 | 7° 3'50 | 7♒15 | 19°11 | 20°48 | 3° 4 | 26° 8 | 12°34 | 7°52 | 13° 8 | 20°13 | 5°R43 | 6°59 | 27° 1 | n.a. | T 15 |
| W16 | 2 32 0 | 8° 5'10 | 19°24 | 20°38 | 21°55 | 3°50 | 26°19 | 12°38 | 7°55 | 13°10 | 20°15 | 5°43 | 6°56 | 27° 7 | n.a. | W16 |
| T 17 | 2 35 57 | 9° 6'30 | 1♓23 | 22° 4 | 23° 1 | 4°36 | 26°31 | 12°43 | 7°58 | 13°12 | 20°18 | 5°41 | 6°52 | 27°14 | n.a. | T 17 |
| F 18 | 2 39 53 | 10° 7'49 | 13°15 | 23°32 | 24° 8 | 5°22 | 26°43 | 12°47 | 8° 1 | 13°14 | 20°20 | 5°38 | 6°49 | 27°21 | n.a. | F 18 |
| S 19 | 2 43 50 | 11° 9'08 | 25° 6 | 24°59 | 25°14 | 6° 9 | 26°55 | 12°52 | 8° 4 | 13°16 | 20°22 | 5°34 | 6°46 | 27°28 | n.a. | S 19 |
| S 20 | 2 47 46 | 12°10'27 | 6♈59 | 26°28 | 26°21 | 6°55 | 27° 7 | 12°57 | 8° 8 | 13°18 | 20°24 | 5°29 | 6°43 | 27°34 | n.a. | S 20 |
| M21 | 2 51 43 | 13°11'45 | 18°56 | 27°57 | 27°29 | 7°41 | 27°20 | 13° 2 | 8°11 | 13°20 | 20°27 | 5°25 | 6°40 | 27°41 | n.a. | M21 |
| T 22 | 2 55 39 | 14°13'02 | 1♉ 0 | 29°26 | 28°36 | 8°27 | 27°32 | 13° 7 | 8°14 | 13°22 | 20°29 | 5°22 | 6°37 | 27°48 | n.a. | T 22 |
| W23 | 2 59 36 | 15°14'20 | 13°12 | 0♏56 | 29°44 | 9°13 | 27°44 | 13°12 | 8°17 | 13°24 | 20°31 | 5°19 | 6°33 | 27°54 | n.a. | W23 |
| T 24 | 3 3 33 | 16°15'37 | 25°34 | 2°27 | 0♎52 | 9°59 | 27°57 | 13°17 | 8°21 | 13°26 | 20°33 | 5°18 | 6°30 | 28° 1 | n.a. | T 24 |
| F 25 | 3 7 29 | 17°16'53 | 8♊ 7 | 3°58 | 2° 0 | 10°46 | 28° 9 | 13°22 | 8°24 | 13°28 | 20°35 | 5°D18 | 6°27 | 28° 8 | n.a. | F 25 |
| S 26 | 3 11 26 | 18°18'10 | 20°51 | 5°29 | 3° 8 | 11°32 | 28°22 | 13°27 | 8°27 | 13°30 | 20°37 | 5°18 | 6°24 | 28°15 | n.a. | S 26 |
| S 27 | 3 15 22 | 19°19'26 | 3♋48 | 7° 1 | 4°17 | 12°18 | 28°35 | 13°33 | 8°31 | 13°32 | 20°39 | 5°20 | 6°21 | 28°21 | n.a. | S 27 |
| M28 | 3 19 19 | 20°20'41 | 16°58 | 8°33 | 5°25 | 13° 5 | 28°47 | 13°38 | 8°34 | 13°34 | 20°42 | 5°21 | 6°18 | 28°28 | n.a. | M28 |
| T 29 | 3 23 15 | 21°21'57 | 0♌23 | 10° 6 | 6°34 | 13°51 | 29° 0 | 13°43 | 8°37 | 13°36 | 20°44 | 5°22 | 6°14 | 28°35 | n.a. | T 29 |
| W30 | 3 27 12 | 22♏23'11 | 14♌ 4 | 11♏39 | 7♎43 | 14♏38 | 29♐13 | 13♑49 | 8♐41 | 13♐38 | 20♎46 | 5♐23 | 6♐11 | 28♓41 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s 1 | 18n50 | 3s35 | 1n40 | 2n29 | 10n54 | 1n28 | 8s57 | 0s 4 | 24s31 | 0s46 | 24s37 | 1s14 | 22s 8 | 0s12 | 22s15 | 0n31 | 1n51 | 10n30 | 21s46 | 22s 2 | 2n38 | | n.a. |
| W 2 | 9 24 | 15 28 | 4 22 | 1 12 | 2 25 | 10 35 | 1 33 | 9 15 | 0 5 | 24 32 | 0 46 | 24 37 | 1 14 | 22 9 | 0 12 | 22 16 | 0 31 | 1 50 | 10 30 | 21 46 | 22 2 | 2 41 | | n.a. |
| T 3 | 9 47 | 11 9 | 4 54 | 0 42 | 2 20 | 10 15 | 1 37 | 9 33 | 0 5 | 24 32 | 0 46 | 24 37 | 1 14 | 22 9 | 0 12 | 22 16 | 0 31 | 1 49 | 10 30 | 21 46 | 22 1 | 2 43 | | n.a. |
| F 4 | 10 10 | 6 6 | 5 9 | 0 10 | 2 16 | 9 55 | 1 41 | 9 50 | 0 6 | 24 33 | 0 46 | 24 36 | 1 14 | 22 10 | 0 12 | 22 16 | 0 31 | 1 48 | 10 30 | 21 45 | 22 1 | 2 46 | | n.a. |
| S 5 | 10 33 | 0 34 | 5 4 | 0s23 | 2 10 | 9 34 | 1 45 | 10 8 | 0 7 | 24 33 | 0 46 | 24 36 | 1 14 | 22 10 | 0 12 | 22 16 | 0 31 | 1 47 | 10 30 | 21 44 | 22 0 | 2 48 | | n.a. |
| S 6 | 10 55 | 5s 4 | 4 39 | 0 58 | 2 4 | 9 14 | 1 49 | 10 26 | 0 7 | 24 34 | 0 46 | 24 35 | 1 14 | 22 11 | 0 12 | 22 17 | 0 31 | 1 46 | 10 30 | 21 43 | 21 59 | 2 51 | | n.a. |
| M 7 | 11 18 | 10 26 | 3 53 | 1 33 | 1 58 | 8 52 | 1 53 | 10 43 | 0 8 | 24 34 | 0 46 | 24 35 | 1 14 | 22 11 | 0 12 | 22 17 | 0 31 | 1 45 | 10 30 | 21 42 | 21 59 | 2 53 | | n.a. |
| T 8 | 11 40 | 15 9 | 2 52 | 2 10 | 1 52 | 8 30 | 1 56 | 11 0 | 0 9 | 24 35 | 0 46 | 24 35 | 1 14 | 22 12 | 0 12 | 22 17 | 0 31 | 1 45 | 10 30 | 21 41 | 21 58 | 2 55 | | n.a. |
| W 9 | 12 2 | 18 50 | 1 40 | 2 47 | 1 46 | 8 8 | 1 59 | 11 18 | 0 9 | 24 35 | 0 46 | 24 34 | 1 13 | 22 12 | 0 12 | 22 17 | 0 31 | 1 44 | 10 30 | 21 41 | 21 58 | 2 58 | | n.a. |
| T 10 | 12 23 | 21 14 | 0 23 | 3 25 | 1 39 | 7 45 | 2 3 | 11 35 | 0 10 | 24 35 | 0 46 | 24 34 | 1 13 | 22 13 | 0 12 | 22 18 | 0 31 | 1 43 | 10 29 | 21 40 | 21 57 | 3 0 | | n.a. |
| F 11 | 12 45 | 22 13 | 0n53 | 4 4 | 1 32 | 7 22 | 2 5 | 11 52 | 0 11 | 24 36 | 0 46 | 24 33 | 1 13 | 22 13 | 0 12 | 22 18 | 0 31 | 1 42 | 10 29 | 21 40 | 21 57 | 3 3 | | n.a. |
| S 12 | 13 6 | 21 50 | 2 4 | 4 42 | 1 25 | 6 59 | 2 8 | 12 9 | 0 11 | 24 36 | 0 46 | 24 33 | 1 13 | 22 14 | 0 12 | 22 18 | 0 31 | 1 41 | 10 29 | 21 41 | 21 56 | 3 5 | | n.a. |
| S 13 | 13 27 | 20 15 | 3 7 | 5 22 | 1 18 | 6 36 | 2 11 | 12 26 | 0 12 | 24 37 | 0 46 | 24 33 | 1 13 | 22 14 | 0 12 | 22 18 | 0 31 | 1 40 | 10 29 | 21 41 | 21 56 | 3 8 | | n.a. |
| M14 | 13 48 | 17 42 | 3 57 | 6 1 | 1 11 | 6 12 | 2 13 | 12 43 | 0 13 | 24 37 | 0 46 | 24 32 | 1 13 | 22 15 | 0 12 | 22 19 | 0 31 | 1 39 | 10 29 | 21 41 | 21 55 | 3 10 | | n.a. |
| T 15 | 14 9 | 14 23 | 4 36 | 6 41 | 1 4 | 5 47 | 2 16 | 12 59 | 0 13 | 24 37 | 0 46 | 24 32 | 1 13 | 22 15 | 0 12 | 22 19 | 0 31 | 1 39 | 10 29 | 21 41 | 21 55 | 3 13 | | n.a. |
| W16 | 14 29 | 10 32 | 5 1 | 7 20 | 0 56 | 5 23 | 2 18 | 13 16 | 0 14 | 24 38 | 0 46 | 24 31 | 1 13 | 22 16 | 0 12 | 22 19 | 0 31 | 1 38 | 10 29 | 21 41 | 21 54 | 3 15 | | n.a. |
| T 17 | 14 49 | 6 20 | 5 13 | 8 0 | 0 49 | 4 58 | 2 20 | 13 33 | 0 15 | 24 38 | 0 46 | 24 31 | 1 13 | 22 16 | 0 12 | 22 20 | 0 31 | 1 37 | 10 30 | 21 41 | 21 54 | 3 17 | | n.a. |
| F 18 | 15 9 | 1 56 | 5 11 | 8 40 | 0 42 | 4 33 | 2 22 | 13 49 | 0 15 | 24 38 | 0 46 | 24 30 | 1 13 | 22 17 | 0 12 | 22 20 | 0 31 | 1 36 | 10 30 | 21 40 | 21 53 | 3 20 | | n.a. |
| S 19 | 15 28 | 2n32 | 4 56 | 9 20 | 0 35 | 4 7 | 2 24 | 14 5 | 0 16 | 24 39 | 0 46 | 24 30 | 1 13 | 22 17 | 0 12 | 22 20 | 0 31 | 1 35 | 10 30 | 21 40 | 21 52 | 3 22 | | n.a. |
| S 20 | 15 48 | 6 55 | 4 28 | 9 59 | 0 28 | 3 41 | 2 25 | 14 21 | 0 17 | 24 39 | 0 46 | 24 29 | 1 13 | 22 18 | 0 12 | 22 20 | 0 31 | 1 34 | 10 30 | 21 39 | 21 52 | 3 25 | | n.a. |
| M21 | 16 7 | 11 4 | 3 48 | 10 38 | 0 20 | 3 15 | 2 27 | 14 37 | 0 17 | 24 39 | 0 46 | 24 29 | 1 13 | 22 18 | 0 12 | 22 21 | 0 31 | 1 34 | 10 30 | 21 38 | 21 51 | 3 27 | | n.a. |
| T 22 | 16 25 | 14 49 | 2 58 | 11 17 | 0 13 | 2 49 | 2 28 | 14 53 | 0 18 | 24 39 | 0 46 | 24 28 | 1 13 | 22 19 | 0 12 | 22 21 | 0 31 | 1 33 | 10 30 | 21 38 | 21 51 | 3 30 | | n.a. |
| W23 | 16 44 | 18 0 | 1 59 | 11 56 | 0 6 | 2 23 | 2 29 | 15 9 | 0 19 | 24 40 | 0 46 | 24 28 | 1 13 | 22 20 | 0 12 | 22 21 | 0 31 | 1 32 | 10 30 | 21 37 | 21 50 | 3 32 | | n.a. |
| T 24 | 17 2 | 20 24 | 0 53 | 12 34 | 0s 1 | 1 56 | 2 30 | 15 25 | 0 19 | 24 40 | 0 46 | 24 27 | 1 13 | 22 20 | 0 12 | 22 21 | 0 31 | 1 31 | 10 30 | 21 37 | 21 50 | 3 34 | | n.a. |
| F 25 | 17 20 | 21 51 | 0s16 | 13 13 | 0 8 | 1 30 | 2 31 | 15 40 | 0 20 | 24 40 | 0 46 | 24 26 | 1 13 | 22 21 | 0 12 | 22 22 | 0 31 | 1 31 | 10 30 | 21 37 | 21 49 | 3 37 | | n.a. |
| S 26 | 17 37 | 22 11 | 1 25 | 13 50 | 0 14 | 1 3 | 2 32 | 15 55 | 0 21 | 24 40 | 0 46 | 24 26 | 1 13 | 22 21 | 0 12 | 22 22 | 0 31 | 1 30 | 10 30 | 21 37 | 21 49 | 3 39 | | n.a. |
| S 27 | 17 54 | 21 21 | 2 31 | 14 27 | 0 21 | 0 35 | 2 33 | 16 11 | 0 21 | 24 41 | 0 46 | 24 25 | 1 13 | 22 22 | 0 12 | 22 22 | 0 31 | 1 29 | 10 30 | 21 37 | 21 48 | 3 42 | | n.a. |
| M28 | 18 11 | 19 20 | 3 31 | 15 4 | 0 28 | 0 8 | 2 33 | 16 26 | 0 22 | 24 41 | 0 46 | 24 25 | 1 13 | 22 22 | 0 12 | 22 23 | 0 31 | 1 29 | 10 30 | 21 37 | 21 47 | 3 44 | | n.a. |
| T 29 | 18 28 | 16 15 | 4 20 | 15 40 | 0 34 | 0s19 | 2 33 | 16 41 | 0 23 | 24 41 | 0 46 | 24 24 | 1 13 | 22 23 | 0 12 | 22 23 | 0 31 | 1 28 | 10 30 | 21 38 | 21 47 | 3 47 | | n.a. |
| W30 | 18s44 | 12n14 | 4s55 | 16s16 | 0s40 | 0s47 | 2n34 | 16s55 | 0s23 | 24s41 | 0s46 | 24s23 | 1s13 | 22s23 | 0s12 | 22s23 | 0n31 | 1n27 | 10n30 | 21s38 | 21s46 | 3n49 | | n.a. |

Julian Day Number = 1008028.5, Delta T = 12h43m19s
Ecliptic obliquity = 23°55'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'11, Lahiri = -30°53'11 Julian Calendar 1 Nov. 1954 BCE == Greg. Calendar 15 Oct. 1954 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1954 BCE
# geocentric

## DECEMBER 1954 BCE (-1953) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 31 9 | 23♏24'26 | 28♌ 0 | 13♏12 | 8♎52 | 15♏24 | 29♐26 | 13♑55 | 8♐44 | 13♐41 | 20♎48 | 5°R23 | 6♐ 8 | 28♓48 | n.a. | T 1 |
| F 2 | 3 35 5 | 24°25'40 | 12♍12 | 14°47 | 10° 2 | 16°11 | 29°39 | 14° 0 | 8°48 | 13°43 | 20°50 | 5♐22 | 6° 5 | 28°55 | n.a. | F 2 |
| S 3 | 3 39 2 | 25°26'53 | 26°37 | 16°21 | 11°11 | 16°57 | 29°52 | 14° 6 | 8°51 | 13°45 | 20°52 | 5°21 | 6° 2 | 29° 2 | n.a. | S 3 |
| S 4 | 3 42 58 | 26°28'06 | 11♎11 | 17°56 | 12°20 | 17°44 | 0♑ 5 | 14°12 | 8°55 | 13°47 | 20°54 | 5°20 | 5°58 | 29° 8 | n.a. | S 4 |
| M 5 | 3 46 55 | 27°29'19 | 25°51 | 19°32 | 13°30 | 18°30 | 0°18 | 14°18 | 8°58 | 13°49 | 20°56 | 5°19 | 5°55 | 29°15 | n.a. | M 5 |
| T 6 | 3 50 51 | 28°30'31 | 10♏28 | 21° 8 | 14°40 | 19°17 | 0°32 | 14°24 | 9° 1 | 13°52 | 20°58 | 5°19 | 5°52 | 29°22 | n.a. | T 6 |
| W 7 | 3 54 48 | 29°31'42 | 24°58 | 22°45 | 15°50 | 20° 3 | 0°45 | 14°30 | 9° 5 | 13°54 | 21° 0 | 5°18 | 5°49 | 29°28 | n.a. | W 7 |
| T 8 | 3 58 44 | 0♐32'52 | 9♐13 | 24°22 | 17° 0 | 20°50 | 0°58 | 14°36 | 9° 8 | 13°56 | 21° 2 | 5°D18 | 5°46 | 29°35 | n.a. | T 8 |
| F 9 | 4 2 41 | 1°34'02 | 23° 9 | 26° 0 | 18°10 | 21°37 | 1°12 | 14°42 | 9°12 | 13°58 | 21° 3 | 5°18 | 5°43 | 29°42 | n.a. | F 9 |
| S 10 | 4 6 38 | 2°35'10 | 6♑43 | 27°38 | 19°20 | 22°24 | 1°25 | 14°48 | 9°15 | 14° 0 | 21° 5 | 5°19 | 5°39 | 29°49 | n.a. | S 10 |
| S 11 | 4 10 34 | 3°36'17 | 19°54 | 29°17 | 20°31 | 23°10 | 1°39 | 14°54 | 9°19 | 14° 3 | 21° 7 | 5°19 | 5°36 | 29°55 | n.a. | S 11 |
| M12 | 4 14 31 | 4°37'22 | 2♒43 | 0♐57 | 21°41 | 23°57 | 1°52 | 15° 1 | 9°22 | 14° 5 | 21° 9 | 5°19 | 5°33 | 0♈ 2 | n.a. | M12 |
| T 13 | 4 18 27 | 5°38'26 | 15°12 | 2°37 | 22°52 | 24°44 | 2° 6 | 15° 7 | 9°26 | 14° 7 | 21°11 | 5°R19 | 5°30 | 0° 9 | n.a. | T 13 |
| W14 | 4 22 24 | 6°39'29 | 27°25 | 4°18 | 24° 2 | 25°31 | 2°20 | 15°13 | 9°29 | 14° 9 | 21°13 | 5°19 | 5°27 | 0°15 | n.a. | W14 |
| T 15 | 4 26 20 | 7°40'30 | 9♓26 | 5°59 | 25°13 | 26°17 | 2°33 | 15°20 | 9°33 | 14°12 | 21°14 | 5°D19 | 5°24 | 0°22 | n.a. | T 15 |
| F 16 | 4 30 17 | 8°41'30 | 21°20 | 7°42 | 26°24 | 27° 4 | 2°47 | 15°26 | 9°36 | 14°14 | 21°16 | 5°19 | 5°20 | 0°29 | n.a. | F 16 |
| S 17 | 4 34 14 | 9°42'28 | 3♈12 | 9°25 | 27°35 | 27°51 | 3° 1 | 15°33 | 9°40 | 14°16 | 21°18 | 5°19 | 5°17 | 0°35 | n.a. | S 17 |
| S 18 | 4 38 10 | 10°43'25 | 15° 5 | 11° 8 | 28°46 | 28°38 | 3°15 | 15°39 | 9°43 | 14°19 | 21°20 | 5°20 | 5°14 | 0°42 | n.a. | S 18 |
| M19 | 4 42 7 | 11°44'20 | 27° 4 | 12°52 | 29°57 | 29°25 | 3°29 | 15°46 | 9°47 | 14°21 | 21°21 | 5°20 | 5°11 | 0°49 | n.a. | M19 |
| T 20 | 4 46 3 | 12°45'14 | 9♉14 | 14°37 | 1♏ 8 | 0♐12 | 3°42 | 15°53 | 9°50 | 14°23 | 21°23 | 5°21 | 5° 8 | 0°56 | n.a. | T 20 |
| W21 | 4 50 0 | 13°46'06 | 21°35 | 16°23 | 2°19 | 0°59 | 3°56 | 15°59 | 9°54 | 14°25 | 21°24 | 5°22 | 5° 4 | 1° 2 | n.a. | W21 |
| T 22 | 4 53 56 | 14°46'56 | 4♊12 | 18° 9 | 3°30 | 1°45 | 4°10 | 16° 6 | 9°57 | 14°28 | 21°26 | 5°R22 | 5° 1 | 1° 9 | n.a. | T 22 |
| F 23 | 4 57 53 | 15°47'45 | 17° 4 | 19°56 | 4°41 | 2°32 | 4°24 | 16°13 | 10° 1 | 14°30 | 21°28 | 5°22 | 4°58 | 1°16 | n.a. | F 23 |
| S 24 | 5 1 49 | 16°48'33 | 0♋11 | 21°43 | 5°53 | 3°19 | 4°38 | 16°20 | 10° 4 | 14°32 | 21°29 | 5°21 | 4°55 | 1°22 | n.a. | S 24 |
| S 25 | 5 5 46 | 17°49'19 | 13°33 | 23°31 | 7° 4 | 4° 6 | 4°53 | 16°27 | 10° 8 | 14°34 | 21°31 | 5°20 | 4°52 | 1°29 | n.a. | S 25 |
| M26 | 5 9 43 | 18°50'04 | 27° 9 | 25°19 | 8°16 | 4°53 | 5° 7 | 16°33 | 10°11 | 14°37 | 21°32 | 5°18 | 4°49 | 1°36 | n.a. | M26 |
| T 27 | 5 13 39 | 19°50'47 | 10♌55 | 27° 8 | 9°27 | 5°40 | 5°21 | 16°40 | 10°15 | 14°39 | 21°34 | 5°16 | 4°45 | 1°43 | n.a. | T 27 |
| W28 | 5 17 36 | 20°51'29 | 24°52 | 28°57 | 10°39 | 6°27 | 5°35 | 16°47 | 10°18 | 14°41 | 21°35 | 5°14 | 4°42 | 1°49 | n.a. | W28 |
| T 29 | 5 21 32 | 21°52'10 | 8♍55 | 0♑46 | 11°51 | 7°14 | 5°49 | 16°54 | 10°22 | 14°44 | 21°36 | 5°13 | 4°39 | 1°56 | n.a. | T 29 |
| F 30 | 5 25 29 | 22°52'49 | 23° 4 | 2°35 | 13° 2 | 8° 1 | 6° 3 | 17° 2 | 10°25 | 14°46 | 21°38 | 5°D13 | 4°36 | 2° 3 | n.a. | F 30 |
| S 31 | 5 29 25 | 23♐53'27 | 7♎16 | 4♑24 | 14♏14 | 8♐48 | 6♑18 | 17♑ 9 | 10♐29 | 14♐48 | 21♎39 | 5♐13 | 4♐33 | 2♈ 9 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 19s 0 | 7n30 | 5s14 | 16s51 | 0s46 | 1s14 | 2n34 | 17s10 | 0s24 | 24s41 | 0s46 | 24s23 | 1s13 | 22s24 | 0s12 | 22s23 | 0n31 | 1n26 | 10n30 | 21s38 | 21s46 | 3n51 | | | n.a. |
| F 2 | 19 15 | 2 17 | 5 15 | 17 25 | 0 52 | 1 42 | 2 34 | 17 24 | 0 25 | 24 41 | 0 46 | 24 22 | 1 13 | 22 24 | 0 12 | 22 24 | 0 31 | 1 26 | 10 30 | 21 38 | 21 45 | 3 54 | | | n.a. |
| S 3 | 19 30 | 3s 8 | 4 55 | 17 59 | 0 58 | 2 10 | 2 34 | 17 38 | 0 25 | 24 41 | 0 46 | 24 22 | 1 13 | 22 25 | 0 12 | 22 24 | 0 31 | 1 25 | 10 31 | 21 37 | 21 45 | 3 56 | | | n.a. |
| S 4 | 19 45 | 8 26 | 4 17 | 18 32 | 1 4 | 2 37 | 2 33 | 17 52 | 0 26 | 24 41 | 0 46 | 24 21 | 1 13 | 22 26 | 0 12 | 22 24 | 0 31 | 1 24 | 10 31 | 21 37 | 21 44 | 3 59 | | | n.a. |
| M 5 | 20 0 | 13 18 | 3 22 | 19 4 | 1 9 | 3 5 | 2 33 | 18 6 | 0 27 | 24 41 | 0 46 | 24 20 | 1 13 | 22 26 | 0 12 | 22 25 | 0 31 | 1 24 | 10 31 | 21 37 | 21 44 | 4 1 | | | n.a. |
| T 6 | 20 14 | 17 22 | 2 13 | 19 36 | 1 14 | 3 33 | 2 33 | 18 20 | 0 27 | 24 41 | 0 46 | 24 20 | 1 13 | 22 27 | 0 12 | 22 25 | 0 31 | 1 23 | 10 31 | 21 37 | 21 43 | 4 3 | | | n.a. |
| W 7 | 20 27 | 20 19 | 0 57 | 20 6 | 1 19 | 4 1 | 2 32 | 18 34 | 0 28 | 24 41 | 0 46 | 24 19 | 1 13 | 22 27 | 0 12 | 22 25 | 0 31 | 1 23 | 10 31 | 21 37 | 21 42 | 4 6 | | | n.a. |
| T 8 | 20 40 | 21 55 | 0n22 | 20 36 | 1 24 | 4 29 | 2 31 | 18 47 | 0 29 | 24 41 | 0 46 | 24 18 | 1 13 | 22 28 | 0 12 | 22 25 | 0 31 | 1 22 | 10 31 | 21 37 | 21 42 | 4 8 | | | n.a. |
| F 9 | 20 53 | 22 7 | 1 38 | 21 4 | 1 29 | 4 57 | 2 31 | 19 0 | 0 29 | 24 41 | 0 46 | 24 18 | 1 13 | 22 28 | 0 12 | 22 26 | 0 31 | 1 21 | 10 31 | 21 37 | 21 41 | 4 11 | | | n.a. |
| S 10 | 21 6 | 20 59 | 2 46 | 21 32 | 1 33 | 5 25 | 2 30 | 19 13 | 0 30 | 24 41 | 0 46 | 24 17 | 1 13 | 22 29 | 0 12 | 22 26 | 0 30 | 1 21 | 10 31 | 21 37 | 21 41 | 4 13 | | | n.a. |
| S 11 | 21 18 | 18 44 | 3 43 | 21 58 | 1 37 | 5 53 | 2 29 | 19 26 | 0 31 | 24 41 | 0 46 | 24 16 | 1 13 | 22 29 | 0 12 | 22 26 | 0 30 | 1 20 | 10 32 | 21 37 | 21 40 | 4 15 | | | n.a. |
| M12 | 21 29 | 15 36 | 4 28 | 22 24 | 1 41 | 6 20 | 2 28 | 19 38 | 0 31 | 24 41 | 0 46 | 24 15 | 1 13 | 22 30 | 0 12 | 22 27 | 0 30 | 1 20 | 10 32 | 21 37 | 21 40 | 4 18 | | | n.a. |
| T 13 | 21 40 | 11 51 | 4 58 | 22 48 | 1 44 | 6 48 | 2 27 | 19 51 | 0 32 | 24 40 | 0 46 | 24 15 | 1 13 | 22 30 | 0 12 | 22 27 | 0 30 | 1 19 | 10 32 | 21 37 | 21 39 | 4 20 | | | n.a. |
| W14 | 21 51 | 7 42 | 5 14 | 23 11 | 1 47 | 7 16 | 2 25 | 20 3 | 0 33 | 24 40 | 0 46 | 24 14 | 1 13 | 22 31 | 0 12 | 22 27 | 0 30 | 1 19 | 10 32 | 21 37 | 21 38 | 4 22 | | | n.a. |
| T 15 | 22 2 | 3 18 | 5 17 | 23 33 | 1 50 | 7 43 | 2 24 | 20 15 | 0 33 | 24 40 | 0 46 | 24 13 | 1 13 | 22 32 | 0 12 | 22 27 | 0 30 | 1 18 | 10 32 | 21 37 | 21 38 | 4 25 | | | n.a. |
| F 16 | 22 11 | 1n10 | 5 5 | 23 53 | 1 53 | 8 11 | 2 22 | 20 27 | 0 34 | 24 40 | 0 47 | 24 12 | 1 13 | 22 32 | 0 12 | 22 28 | 0 30 | 1 18 | 10 32 | 21 37 | 21 37 | 4 27 | | | n.a. |
| S 17 | 22 21 | 5 34 | 4 41 | 24 12 | 1 55 | 8 38 | 2 21 | 20 38 | 0 35 | 24 40 | 0 47 | 24 12 | 1 13 | 22 33 | 0 12 | 22 28 | 0 30 | 1 17 | 10 33 | 21 37 | 21 37 | 4 30 | | | n.a. |
| S 18 | 22 30 | 9 48 | 4 4 | 24 29 | 1 56 | 9 5 | 2 19 | 20 49 | 0 35 | 24 39 | 0 47 | 24 11 | 1 13 | 22 33 | 0 12 | 22 28 | 0 30 | 1 17 | 10 33 | 21 37 | 21 36 | 4 32 | | | n.a. |
| M19 | 22 39 | 13 41 | 3 17 | 24 44 | 1 58 | 9 32 | 2 18 | 21 1 | 0 36 | 24 39 | 0 47 | 24 10 | 1 13 | 22 34 | 0 12 | 22 29 | 0 30 | 1 16 | 10 33 | 21 37 | 21 35 | 4 34 | | | n.a. |
| T 20 | 22 47 | 17 4 | 2 20 | 24 58 | 1 59 | 9 59 | 2 16 | 21 11 | 0 36 | 24 39 | 0 47 | 24 9 | 1 13 | 22 34 | 0 12 | 22 29 | 0 30 | 1 16 | 10 33 | 21 37 | 21 35 | 4 37 | | | n.a. |
| W21 | 22 55 | 19 44 | 1 16 | 25 11 | 1 59 | 10 26 | 2 14 | 21 22 | 0 37 | 24 38 | 0 47 | 24 8 | 1 13 | 22 35 | 0 12 | 22 29 | 0 30 | 1 15 | 10 33 | 21 37 | 21 34 | 4 39 | | | n.a. |
| T 22 | 23 2 | 21 31 | 0 7 | 25 21 | 1 59 | 10 52 | 2 12 | 21 32 | 0 38 | 24 38 | 0 47 | 24 8 | 1 13 | 22 35 | 0 12 | 22 29 | 0 30 | 1 15 | 10 33 | 21 38 | 21 34 | 4 41 | | | n.a. |
| F 23 | 23 9 | 22 12 | 1s 4 | 25 30 | 1 59 | 11 18 | 2 10 | 21 43 | 0 38 | 24 37 | 0 47 | 24 7 | 1 13 | 22 36 | 0 12 | 22 30 | 0 30 | 1 15 | 10 34 | 21 37 | 21 33 | 4 44 | | | n.a. |
| S 24 | 23 15 | 21 42 | 2 13 | 25 37 | 1 58 | 11 45 | 2 8 | 21 53 | 0 39 | 24 37 | 0 47 | 24 6 | 1 13 | 22 36 | 0 12 | 22 30 | 0 30 | 1 14 | 10 34 | 21 37 | 21 33 | 4 46 | | | n.a. |
| S 25 | 23 21 | 19 58 | 3 16 | 25 41 | 1 56 | 12 10 | 2 6 | 22 2 | 0 40 | 24 37 | 0 47 | 24 5 | 1 13 | 22 37 | 0 12 | 22 30 | 0 30 | 1 14 | 10 34 | 21 37 | 21 32 | 4 49 | | | n.a. |
| M26 | 23 26 | 17 5 | 4 9 | 25 44 | 1 54 | 12 36 | 2 3 | 22 12 | 0 40 | 24 36 | 0 47 | 24 4 | 1 13 | 22 37 | 0 12 | 22 31 | 0 30 | 1 14 | 10 34 | 21 37 | 21 31 | 4 51 | | | n.a. |
| T 27 | 23 31 | 13 13 | 4 48 | 25 44 | 1 51 | 13 1 | 2 1 | 22 21 | 0 41 | 24 36 | 0 47 | 24 3 | 1 13 | 22 38 | 0 12 | 22 31 | 0 30 | 1 13 | 10 34 | 21 36 | 21 31 | 4 53 | | | n.a. |
| W28 | 23 36 | 8 37 | 5 11 | 25 43 | 1 48 | 13 26 | 1 59 | 22 30 | 0 41 | 24 35 | 0 47 | 24 3 | 1 13 | 22 39 | 0 12 | 22 31 | 0 30 | 1 13 | 10 35 | 21 36 | 21 30 | 4 56 | | | n.a. |
| T 29 | 23 40 | 3 32 | 5 15 | 25 39 | 1 44 | 13 51 | 1 56 | 22 39 | 0 42 | 24 34 | 0 47 | 24 2 | 1 13 | 22 39 | 0 12 | 22 31 | 0 30 | 1 12 | 10 35 | 21 36 | 21 30 | 4 58 | | | n.a. |
| F 30 | 23 43 | 1s47 | 5 1 | 25 33 | 1 39 | 14 16 | 1 54 | 22 47 | 0 43 | 24 34 | 0 47 | 24 1 | 1 13 | 22 40 | 0 12 | 22 32 | 0 30 | 1 12 | 10 35 | 21 36 | 21 29 | 5 0 | | | n.a. |
| S 31 | 23s46 | 7s 1 | 4s28 | 25s25 | 1s34 | 14s40 | 1n51 | 22s55 | 0s43 | 24s33 | 0s47 | 24s 0 | 1s13 | 22s40 | 0s12 | 22s32 | 0n30 | 1n12 | 10n35 | 21s36 | 21s28 | 5n 3 | | | n.a. |

Julian Day Number = 1008058.5, Delta T = 12h43m17s
Ecliptic obliquity = 23°55'06, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'07, Lahiri = -30°53'07 Julian Calendar 1 Dec. 1954 BCE == Greg. Calendar 14 Nov. 1954 BCE

The year -1953 astronomical counting style corresponds to year 1954 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## JANUARY 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 33 22 | 24♐54'03 | 21♎28 | 6♑12 | 15♏26 | 9♐35 | 6♑32 | 17♑16 | 10♐32 | 14♐50 | 21♎41 | 5♐14 | 4♐30 | 2♈16 | n.a. | S 1 |
| M 2 | 5 37 18 | 25°54'38 | 5♏40 | 8° 0 | 16°38 | 10°22 | 6°46 | 17°23 | 10°36 | 14°53 | 21°42 | 5°16 | 4°26 | 2°23 | n.a. | M 2 |
| T 3 | 5 41 15 | 26°55'12 | 19°47 | 9°47 | 17°50 | 11° 9 | 7° 0 | 17°30 | 10°39 | 14°55 | 21°43 | 5°17 | 4°23 | 2°30 | n.a. | T 3 |
| W 4 | 5 45 12 | 27°55'44 | 3♐48 | 11°32 | 19° 2 | 11°56 | 7°15 | 17°37 | 10°42 | 14°57 | 21°44 | 5°R17 | 4°20 | 2°36 | n.a. | W 4 |
| T 5 | 5 49 8 | 28°56'14 | 17°38 | 13°16 | 20°14 | 12°44 | 7°29 | 17°45 | 10°46 | 14°59 | 21°45 | 5°17 | 4°17 | 2°43 | n.a. | T 5 |
| F 6 | 5 53 5 | 29°56'43 | 1♑16 | 14°58 | 21°26 | 13°31 | 7°43 | 17°52 | 10°49 | 15° 2 | 21°47 | 5°15 | 4°14 | 2°50 | n.a. | F 6 |
| S 7 | 5 57 1 | 0♑57'09 | 14°38 | 16°37 | 22°38 | 14°18 | 7°58 | 17°59 | 10°53 | 15° 4 | 21°48 | 5°12 | 4°10 | 2°56 | n.a. | S 7 |
| S 8 | 6 0 58 | 1°57'34 | 27°42 | 18°12 | 23°50 | 15° 5 | 8°12 | 18° 6 | 10°56 | 15° 6 | 21°49 | 5° 8 | 4° 7 | 3° 3 | n.a. | S 8 |
| M 9 | 6 4 54 | 2°57'57 | 10♒28 | 19°44 | 25° 2 | 15°52 | 8°26 | 18°14 | 10°59 | 15° 8 | 21°50 | 5° 3 | 4° 4 | 3°10 | n.a. | M 9 |
| T 10 | 6 8 51 | 3°58'17 | 22°58 | 21°12 | 26°14 | 16°39 | 8°41 | 18°21 | 11° 3 | 15°10 | 21°51 | 4°59 | 4° 1 | 3°17 | n.a. | T 10 |
| W11 | 6 12 47 | 4°58'36 | 5♓12 | 22°35 | 27°27 | 17°26 | 8°55 | 18°28 | 11° 6 | 15°13 | 21°52 | 4°54 | 3°58 | 3°23 | n.a. | W11 |
| T 12 | 6 16 44 | 5°58'52 | 17°15 | 23°52 | 28°39 | 18°13 | 9°10 | 18°36 | 11° 9 | 15°15 | 21°53 | 4°51 | 3°55 | 3°30 | n.a. | T 12 |
| F 13 | 6 20 41 | 6°59'06 | 29° 9 | 25° 3 | 29°51 | 19° 0 | 9°24 | 18°43 | 11°12 | 15°17 | 21°54 | 4°50 | 3°51 | 3°37 | n.a. | F 13 |
| S 14 | 6 24 37 | 7°59'17 | 11♈ 0 | 26° 7 | 1♐ 3 | 19°47 | 9°38 | 18°51 | 11°16 | 15°19 | 21°55 | 4°D49 | 3°48 | 3°43 | n.a. | S 14 |
| S 15 | 6 28 34 | 8°59'26 | 22°53 | 27° 3 | 2°16 | 20°34 | 9°53 | 18°58 | 11°19 | 15°21 | 21°56 | 4°50 | 3°45 | 3°50 | n.a. | S 15 |
| M16 | 6 32 30 | 9°59'33 | 4♉53 | 27°52 | 3°28 | 21°21 | 10° 7 | 19° 5 | 11°22 | 15°23 | 21°57 | 4°52 | 3°42 | 3°57 | n.a. | M16 |
| T 17 | 6 36 27 | 10°59'38 | 17° 4 | 28°32 | 4°40 | 22° 8 | 10°22 | 19°13 | 11°25 | 15°25 | 21°57 | 4°54 | 3°39 | 4° 3 | n.a. | T 17 |
| W18 | 6 40 23 | 11°59'41 | 29°31 | 29° 3 | 5°53 | 22°55 | 10°36 | 19°20 | 11°28 | 15°27 | 21°58 | 4°R55 | 3°35 | 4°10 | n.a. | W18 |
| T 19 | 6 44 20 | 12°59'41 | 12♊16 | 29°26 | 7° 5 | 23°42 | 10°50 | 19°28 | 11°31 | 15°30 | 21°59 | 4°55 | 3°32 | 4°17 | n.a. | T 19 |
| F 20 | 6 48 16 | 13°59'39 | 25°23 | 29°39 | 8°17 | 24°30 | 11° 5 | 19°35 | 11°35 | 15°32 | 22° 0 | 4°53 | 3°29 | 4°24 | n.a. | F 20 |
| S 21 | 6 52 13 | 14°59'35 | 8♋51 | 29°R42 | 9°30 | 25°17 | 11°19 | 19°43 | 11°38 | 15°34 | 22° 0 | 4°49 | 3°26 | 4°30 | n.a. | S 21 |
| S 22 | 6 56 10 | 15°59'29 | 22°39 | 29°37 | 10°42 | 26° 4 | 11°34 | 19°50 | 11°41 | 15°36 | 22° 1 | 4°43 | 3°23 | 4°37 | n.a. | S 22 |
| M23 | 7 0 6 | 16°59'21 | 6♌43 | 29°23 | 11°55 | 26°51 | 11°48 | 19°58 | 11°44 | 15°38 | 22° 2 | 4°37 | 3°20 | 4°44 | n.a. | M23 |
| T 24 | 7 4 3 | 17°59'10 | 20°59 | 29° 0 | 13° 7 | 27°38 | 12° 2 | 20° 5 | 11°47 | 15°40 | 22° 2 | 4°30 | 3°16 | 4°50 | n.a. | T 24 |
| W25 | 7 7 59 | 18°58'58 | 5♍22 | 28°29 | 14°20 | 28°25 | 12°17 | 20°13 | 11°50 | 15°42 | 22° 3 | 4°23 | 3°13 | 4°57 | n.a. | W25 |
| T 26 | 7 11 56 | 19°58'43 | 19°45 | 27°51 | 15°32 | 29°12 | 12°31 | 20°20 | 11°53 | 15°44 | 22° 3 | 4°18 | 3°10 | 5° 4 | n.a. | T 26 |
| F 27 | 7 15 52 | 20°58'27 | 4♎ 5 | 27° 7 | 16°45 | 29°59 | 12°45 | 20°28 | 11°56 | 15°46 | 22° 4 | 4°15 | 3° 7 | 5°11 | n.a. | F 27 |
| S 28 | 7 19 49 | 21°58'08 | 18°17 | 26°18 | 17°57 | 0♑46 | 13° 0 | 20°35 | 11°58 | 15°48 | 22° 4 | 4°D13 | 3° 4 | 5°17 | n.a. | S 28 |
| S 29 | 7 23 45 | 22°57'48 | 2♏21 | 25°26 | 19°10 | 1°32 | 13°14 | 20°43 | 12° 1 | 15°50 | 22° 5 | 4°14 | 3° 1 | 5°24 | n.a. | S 29 |
| M30 | 7 27 42 | 23°57'27 | 16°16 | 24°30 | 20°23 | 2°19 | 13°28 | 20°50 | 12° 4 | 15°51 | 22° 5 | 4°15 | 2°57 | 5°31 | n.a. | M30 |
| T 31 | 7 31 39 | 24♑57'03 | 0♐ 0 | 23♑33 | 21♐35 | 3♑ 6 | 13♑43 | 20♑58 | 12♐ 7 | 15♐53 | 22♎ 5 | 4°R16 | 2♐54 | 5♈37 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| S 1 | 23 s49 | 11 s54 | 3 s39 | 25 s14 | 1 s28 | 15 s 4 | 1n49 | 23 s 3 | 0 s44 | 24 s33 | 0 s47 | 23 s59 | 1 s13 | 22 s41 | 0 s12 | 22 s32 | 0n30 | 1n12 | 10n35 | 21 s36 | 21 s28 | 5n 5 | | | n.a. |
| M 2 | 23 51 | 16 7 | 2 36 | 25 1 | 1 21 | 15 27 | 1 46 | 23 11 | 0 44 | 24 32 | 0 47 | 23 58 | 1 13 | 22 41 | 0 12 | 22 32 | 0 30 | 1 11 | 10 36 | 21 36 | 21 27 | 5 7 | | | n.a. |
| T 3 | 23 53 | 19 23 | 1 24 | 24 46 | 1 13 | 15 50 | 1 43 | 23 18 | 0 45 | 24 31 | 0 48 | 23 57 | 1 13 | 22 42 | 0 12 | 22 33 | 0 30 | 1 11 | 10 36 | 21 37 | 21 27 | 5 10 | | | n.a. |
| W 4 | 23 54 | 21 28 | 0 8 | 24 29 | 1 5 | 16 13 | 1 40 | 23 25 | 0 46 | 24 30 | 0 48 | 23 56 | 1 13 | 22 42 | 0 12 | 22 33 | 0 30 | 1 11 | 10 36 | 21 37 | 21 26 | 5 12 | | | n.a. |
| T 5 | 23 55 | 22 13 | 1n 7 | 24 10 | 0 56 | 16 35 | 1 38 | 23 32 | 0 46 | 24 30 | 0 48 | 23 55 | 1 13 | 22 43 | 0 12 | 22 33 | 0 30 | 1 11 | 10 36 | 21 37 | 21 25 | 5 14 | | | n.a. |
| F 6 | 23 55 | 21 37 | 2 18 | 23 49 | 0 46 | 16 57 | 1 35 | 23 39 | 0 47 | 24 29 | 0 48 | 23 54 | 1 13 | 22 43 | 0 12 | 22 34 | 0 30 | 1 10 | 10 37 | 21 36 | 21 25 | 5 17 | | | n.a. |
| S 7 | 23 55 | 19 48 | 3 19 | 23 26 | 0 35 | 17 19 | 1 32 | 23 45 | 0 47 | 24 28 | 0 48 | 23 53 | 1 13 | 22 44 | 0 12 | 22 34 | 0 30 | 1 10 | 10 37 | 21 36 | 21 24 | 5 19 | | | n.a. |
| S 8 | 23 54 | 16 58 | 4 9 | 23 2 | 0 23 | 17 40 | 1 29 | 23 51 | 0 48 | 24 27 | 0 48 | 23 52 | 1 13 | 22 44 | 0 12 | 22 34 | 0 30 | 1 10 | 10 37 | 21 35 | 21 24 | 5 21 | | | n.a. |
| M 9 | 23 53 | 13 24 | 4 45 | 22 37 | 0 11 | 18 1 | 1 26 | 23 57 | 0 48 | 24 26 | 0 48 | 23 51 | 1 13 | 22 45 | 0 12 | 22 34 | 0 30 | 1 10 | 10 37 | 21 34 | 21 23 | 5 24 | | | n.a. |
| T 10 | 23 51 | 9 19 | 5 6 | 22 10 | 0n 2 | 18 21 | 1 23 | 24 3 | 0 49 | 24 26 | 0 48 | 23 50 | 1 13 | 22 45 | 0 12 | 22 35 | 0 30 | 1 10 | 10 38 | 21 33 | 21 22 | 5 26 | | | n.a. |
| W11 | 23 49 | 4 57 | 5 13 | 21 43 | 0 16 | 18 41 | 1 20 | 24 8 | 0 49 | 24 25 | 0 48 | 23 49 | 1 13 | 22 46 | 0 12 | 22 35 | 0 30 | 1 10 | 10 38 | 21 32 | 21 22 | 5 28 | | | n.a. |
| T 12 | 23 47 | 0 28 | 5 6 | 21 16 | 0 30 | 19 0 | 1 17 | 24 13 | 0 50 | 24 24 | 0 48 | 23 48 | 1 13 | 22 46 | 0 12 | 22 35 | 0 30 | 1 9 | 10 38 | 21 32 | 21 21 | 5 31 | | | n.a. |
| F 13 | 23 44 | 4n 0 | 4 45 | 20 49 | 0 45 | 19 19 | 1 14 | 24 17 | 0 51 | 24 23 | 0 48 | 23 47 | 1 13 | 22 47 | 0 12 | 22 35 | 0 30 | 1 9 | 10 38 | 21 32 | 21 21 | 5 33 | | | n.a. |
| S 14 | 23 40 | 8 18 | 4 13 | 20 22 | 1 1 | 19 37 | 1 11 | 24 22 | 0 51 | 24 22 | 0 48 | 23 46 | 1 13 | 22 47 | 0 12 | 22 36 | 0 30 | 1 9 | 10 39 | 21 32 | 21 20 | 5 35 | | | n.a. |
| S 15 | 23 36 | 12 18 | 3 29 | 19 55 | 1 16 | 19 55 | 1 8 | 24 26 | 0 52 | 24 21 | 0 48 | 23 45 | 1 13 | 22 47 | 0 12 | 22 36 | 0 30 | 1 9 | 10 39 | 21 32 | 21 19 | 5 38 | | | n.a. |
| M16 | 23 32 | 15 51 | 2 37 | 19 30 | 1 32 | 20 12 | 1 5 | 24 30 | 0 52 | 24 20 | 0 49 | 23 44 | 1 13 | 22 48 | 0 13 | 22 36 | 0 30 | 1 9 | 10 39 | 21 32 | 21 19 | 5 40 | | | n.a. |
| T 17 | 23 27 | 18 48 | 1 36 | 19 6 | 1 48 | 20 29 | 1 2 | 24 33 | 0 53 | 24 19 | 0 49 | 23 43 | 1 13 | 22 48 | 0 13 | 22 36 | 0 30 | 1 9 | 10 39 | 21 32 | 21 18 | 5 42 | | | n.a. |
| W18 | 23 22 | 20 56 | 0 29 | 18 45 | 2 4 | 20 45 | 0 59 | 24 37 | 0 53 | 24 18 | 0 49 | 23 42 | 1 14 | 22 49 | 0 13 | 22 36 | 0 30 | 1 9 | 10 40 | 21 33 | 21 18 | 5 45 | | | n.a. |
| T 19 | 23 16 | 22 3 | 0 s40 | 18 25 | 2 19 | 21 1 | 0 55 | 24 40 | 0 54 | 24 17 | 0 49 | 23 41 | 1 14 | 22 49 | 0 13 | 22 37 | 0 30 | 1 9 | 10 40 | 21 32 | 21 17 | 5 47 | | | n.a. |
| F 20 | 23 10 | 22 1 | 1 49 | 18 7 | 2 34 | 21 16 | 0 52 | 24 42 | 0 54 | 24 15 | 0 49 | 23 40 | 1 14 | 22 50 | 0 13 | 22 37 | 0 30 | 1 9 | 10 40 | 21 32 | 21 16 | 5 49 | | | n.a. |
| S 21 | 23 3 | 20 44 | 2 54 | 17 53 | 2 48 | 21 31 | 0 49 | 24 45 | 0 55 | 24 14 | 0 49 | 23 39 | 1 14 | 22 50 | 0 13 | 22 37 | 0 30 | 1 9 | 10 40 | 21 31 | 21 16 | 5 51 | | | n.a. |
| S 22 | 22 56 | 18 12 | 3 50 | 17 41 | 3 2 | 21 45 | 0 46 | 24 47 | 0 55 | 24 13 | 0 49 | 23 38 | 1 14 | 22 51 | 0 13 | 22 37 | 0 30 | 1 9 | 10 41 | 21 30 | 21 15 | 5 54 | | | n.a. |
| M23 | 22 49 | 14 34 | 4 33 | 17 31 | 3 14 | 21 58 | 0 43 | 24 48 | 0 56 | 24 12 | 0 49 | 23 37 | 1 14 | 22 51 | 0 13 | 22 38 | 0 30 | 1 9 | 10 41 | 21 29 | 21 14 | 5 56 | | | n.a. |
| T 24 | 22 41 | 10 3 | 5 0 | 17 25 | 3 25 | 22 11 | 0 39 | 24 50 | 0 56 | 24 11 | 0 49 | 23 36 | 1 14 | 22 51 | 0 13 | 22 38 | 0 30 | 1 9 | 10 41 | 21 28 | 21 14 | 5 58 | | | n.a. |
| W25 | 22 33 | 4 57 | 5 8 | 17 22 | 3 35 | 22 23 | 0 36 | 24 51 | 0 57 | 24 9 | 0 49 | 23 35 | 1 14 | 22 52 | 0 13 | 22 38 | 0 30 | 1 9 | 10 42 | 21 27 | 21 13 | 6 1 | | | n.a. |
| T 26 | 22 24 | 0 s24 | 4 58 | 17 22 | 3 43 | 22 34 | 0 33 | 24 52 | 0 57 | 24 8 | 0 50 | 23 34 | 1 14 | 22 52 | 0 13 | 22 38 | 0 30 | 1 9 | 10 42 | 21 26 | 21 13 | 6 3 | | | n.a. |
| F 27 | 22 15 | 5 44 | 4 28 | 17 24 | 3 49 | 22 45 | 0 30 | 24 53 | 0 58 | 24 7 | 0 50 | 23 33 | 1 14 | 22 53 | 0 13 | 22 39 | 0 30 | 1 9 | 10 42 | 21 25 | 21 12 | 6 5 | | | n.a. |
| S 28 | 22 5 | 10 43 | 3 42 | 17 30 | 3 53 | 22 55 | 0 27 | 24 53 | 0 58 | 24 6 | 0 50 | 23 32 | 1 14 | 22 53 | 0 13 | 22 39 | 0 30 | 1 9 | 10 42 | 21 25 | 21 11 | 6 7 | | | n.a. |
| S 29 | 21 55 | 15 5 | 2 43 | 17 37 | 3 56 | 23 4 | 0 24 | 24 53 | 0 59 | 24 4 | 0 50 | 23 30 | 1 14 | 22 54 | 0 13 | 22 39 | 0 30 | 1 9 | 10 43 | 21 25 | 21 11 | 6 10 | | | n.a. |
| M30 | 21 45 | 18 33 | 1 36 | 17 47 | 3 56 | 23 13 | 0 21 | 24 53 | 0 59 | 24 3 | 0 50 | 23 29 | 1 14 | 22 54 | 0 13 | 22 39 | 0 30 | 1 9 | 10 43 | 21 25 | 21 10 | 6 12 | | | n.a. |
| T 31 | 21 s34 | 20 s56 | 0 s23 | 17 s58 | 3n54 | 23 s21 | 0n17 | 24 s52 | 0 s59 | 24 s 2 | 0 s50 | 23 s28 | 1 s14 | 22 s54 | 0 s13 | 22 s39 | 0n30 | 1n10 | 10n43 | 21 s25 | 21 s 9 | 6n14 | | | n.a. |

Julian Day Number = 1008089.5, Delta T = 12h43m15s
Ecliptic obliquity = 23°55'05, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -30°00'03, Lahiri = -30°53'02 Julian Calendar 1 Jan. 1953 BCE == Greg. Calendar 15 Dec. 1954 BCE

The year -1952 astronomical counting style corresponds to year 1953 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## FEBRUARY 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 35 35 | 25♑56'37 | 13♐34 | 22°R36 | 22♐48 | 3♑53 | 13♑57 | 21♑ 5 | 12♐10 | 15♐55 | 22♎ 6 | 4°R15 | 2♐51 | 5♈44 | n.a. | W 1 |
| T 2 | 7 39 32 | 26°56'09 | 26°58 | 21♑41 | 24° 1 | 4°40 | 14°11 | 21°13 | 12°12 | 15°57 | 22° 6 | 4♐13 | 2°48 | 5°51 | n.a. | T 2 |
| F 3 | 7 43 28 | 27°55'40 | 10♑11 | 20°47 | 25°13 | 5°27 | 14°25 | 21°20 | 12°15 | 15°59 | 22° 6 | 4° 8 | 2°45 | 5°57 | n.a. | F 3 |
| S 4 | 7 47 25 | 28°55'08 | 23°13 | 19°56 | 26°26 | 6°14 | 14°40 | 21°28 | 12°18 | 16° 1 | 22° 6 | 4° 1 | 2°41 | 6° 4 | n.a. | S 4 |
| S 5 | 7 51 21 | 29°54'34 | 6♒ 1 | 19°10 | 27°39 | 7° 1 | 14°54 | 21°35 | 12°21 | 16° 2 | 22° 7 | 3°51 | 2°38 | 6°11 | n.a. | S 5 |
| M 6 | 7 55 18 | 0♒53'57 | 18°37 | 18°28 | 28°51 | 7°48 | 15° 8 | 21°43 | 12°23 | 16° 4 | 22° 7 | 3°41 | 2°35 | 6°18 | n.a. | M 6 |
| T 7 | 7 59 14 | 1°53'18 | 1♓ 0 | 17°51 | 0♑ 4 | 8°34 | 15°22 | 21°50 | 12°26 | 16° 6 | 22° 7 | 3°30 | 2°32 | 6°24 | n.a. | T 7 |
| W 8 | 8 3 11 | 2°52'37 | 13°10 | 17°20 | 1°17 | 9°21 | 15°36 | 21°58 | 12°28 | 16° 8 | 22° 7 | 3°20 | 2°29 | 6°31 | n.a. | W 8 |
| T 9 | 8 7 7 | 3°51'53 | 25°11 | 16°54 | 2°29 | 10° 8 | 15°50 | 22° 5 | 12°31 | 16° 9 | 22° 7 | 3°11 | 2°26 | 6°38 | n.a. | T 9 |
| F 10 | 8 11 4 | 4°51'07 | 7♈ 4 | 16°35 | 3°42 | 10°55 | 16° 4 | 22°12 | 12°33 | 16°11 | 22°R 7 | 3° 5 | 2°22 | 6°44 | n.a. | F 10 |
| S 11 | 8 15 1 | 5°50'19 | 18°54 | 16°21 | 4°55 | 11°41 | 16°18 | 22°20 | 12°36 | 16°13 | 22° 7 | 3° 1 | 2°19 | 6°51 | n.a. | S 11 |
| S 12 | 8 18 57 | 6°49'28 | 0♉45 | 16°13 | 6° 8 | 12°28 | 16°32 | 22°27 | 12°38 | 16°14 | 22° 7 | 3° 0 | 2°16 | 6°58 | n.a. | S 12 |
| M13 | 8 22 54 | 7°48'35 | 12°43 | 16°D12 | 7°20 | 13°15 | 16°46 | 22°35 | 12°40 | 16°16 | 22° 7 | 3°D 0 | 2°13 | 7° 4 | n.a. | M13 |
| T 14 | 8 26 50 | 8°47'39 | 24°52 | 16°15 | 8°33 | 14° 1 | 17° 0 | 22°42 | 12°43 | 16°17 | 22° 7 | 3° 0 | 2°10 | 7°11 | n.a. | T 14 |
| W15 | 8 30 47 | 9°46'41 | 7♊19 | 16°24 | 9°46 | 14°48 | 17°14 | 22°49 | 12°45 | 16°19 | 22° 6 | 3°R 0 | 2° 7 | 7°18 | n.a. | W15 |
| T 16 | 8 34 43 | 10°45'40 | 20° 7 | 16°39 | 10°59 | 15°35 | 17°28 | 22°57 | 12°47 | 16°20 | 22° 6 | 2°59 | 2° 3 | 7°25 | n.a. | T 16 |
| F 17 | 8 38 40 | 11°44'37 | 3♋19 | 16°58 | 12°11 | 16°21 | 17°41 | 23° 4 | 12°49 | 16°22 | 22° 6 | 2°55 | 2° 0 | 7°31 | n.a. | F 17 |
| S 18 | 8 42 36 | 12°43'31 | 16°59 | 17°22 | 13°24 | 17° 8 | 17°55 | 23°11 | 12°52 | 16°23 | 22° 6 | 2°49 | 1°57 | 7°38 | n.a. | S 18 |
| S 19 | 8 46 33 | 13°42'23 | 1♌ 4 | 17°51 | 14°37 | 17°54 | 18° 9 | 23°18 | 12°54 | 16°25 | 22° 5 | 2°41 | 1°54 | 7°45 | n.a. | S 19 |
| M20 | 8 50 29 | 14°41'13 | 15°31 | 18°24 | 15°50 | 18°41 | 18°22 | 23°25 | 12°56 | 16°26 | 22° 5 | 2°31 | 1°51 | 7°51 | n.a. | M20 |
| T 21 | 8 54 26 | 15°40'01 | 0♍14 | 19° 1 | 17° 2 | 19°27 | 18°36 | 23°33 | 12°58 | 16°28 | 22° 5 | 2°20 | 1°47 | 7°58 | n.a. | T 21 |
| W22 | 8 58 23 | 16°38'46 | 15° 3 | 19°42 | 18°15 | 20°14 | 18°50 | 23°40 | 13° 0 | 16°29 | 22° 4 | 2° 9 | 1°44 | 8° 5 | n.a. | W22 |
| T 23 | 9 2 19 | 17°37'30 | 29°52 | 20°26 | 19°28 | 21° 0 | 19° 3 | 23°47 | 13° 2 | 16°30 | 22° 4 | 2° 1 | 1°41 | 8°11 | n.a. | T 23 |
| F 24 | 9 6 16 | 18°36'11 | 14♎32 | 21°14 | 20°41 | 21°46 | 19°17 | 23°54 | 13° 4 | 16°32 | 22° 4 | 1°55 | 1°38 | 8°18 | n.a. | F 24 |
| S 25 | 9 10 12 | 19°34'51 | 28°58 | 22° 6 | 21°54 | 22°33 | 19°30 | 24° 1 | 13° 6 | 16°33 | 22° 3 | 1°51 | 1°35 | 8°25 | n.a. | S 25 |
| S 26 | 9 14 9 | 20°33'29 | 13♏ 6 | 23° 0 | 23° 7 | 23°19 | 19°43 | 24° 8 | 13° 8 | 16°34 | 22° 3 | 1°50 | 1°32 | 8°32 | n.a. | S 26 |
| M27 | 9 18 5 | 21°32'05 | 26°57 | 23°58 | 24°19 | 24° 5 | 19°57 | 24°15 | 13° 9 | 16°35 | 22° 2 | 1°50 | 1°28 | 8°38 | n.a. | M27 |
| T 28 | 9 22 2 | 22°30'39 | 10♐31 | 24°58 | 25°32 | 24°52 | 20°10 | 24°22 | 13°11 | 16°37 | 22° 1 | 1°50 | 1°25 | 8°45 | n.a. | T 28 |
| W29 | 9 25 58 | 23♒29'12 | 23♐49 | 26♑ 1 | 26♑45 | 25♑38 | 20♑23 | 24♑29 | 13♐13 | 16♐38 | 22♎ 1 | 1♐48 | 1♐22 | 8♈52 | n.a. | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 21 s23 | 22 s 4 | 0n50 | 18 s11 | 3n50 | 23 s29 | 0n14 | 24 s51 | 1 s 0 | 24 s 0 | 0 s50 | 23 s27 | 1 s14 | 22 s55 | 0 s13 | 22 s40 | 0n30 | 1n10 | 10n43 | 21 s25 | 21 s 9 | 6n17 | | n.a. |
| T 2 | 21 11 | 21 54 | 1 59 | 18 26 | 3 45 | 23 36 | 0 11 | 24 50 | 1 0 | 23 59 | 0 50 | 23 26 | 1 15 | 22 55 | 0 13 | 22 40 | 0 30 | 1 10 | 10 44 | 21 25 | 21 8 | 6 19 | | n.a. |
| F 3 | 20 59 | 20 31 | 3 0 | 18 41 | 3 38 | 23 42 | 0 8 | 24 49 | 1 1 | 23 57 | 0 50 | 23 25 | 1 15 | 22 56 | 0 13 | 22 40 | 0 30 | 1 10 | 10 44 | 21 24 | 21 8 | 6 21 | | n.a. |
| S 4 | 20 47 | 18 5 | 3 51 | 18 58 | 3 29 | 23 47 | 0 5 | 24 47 | 1 1 | 23 56 | 0 51 | 23 24 | 1 15 | 22 56 | 0 13 | 22 40 | 0 30 | 1 10 | 10 44 | 21 22 | 21 7 | 6 23 | | n.a. |
| S 5 | 20 34 | 14 47 | 4 30 | 19 14 | 3 19 | 23 52 | 0 2 | 24 45 | 1 2 | 23 54 | 0 51 | 23 23 | 1 15 | 22 56 | 0 13 | 22 40 | 0 30 | 1 10 | 10 44 | 21 21 | 21 6 | 6 26 | | n.a. |
| M 6 | 20 21 | 10 54 | 4 54 | 19 31 | 3 8 | 23 56 | 0 s 1 | 24 43 | 1 2 | 23 53 | 0 51 | 23 22 | 1 15 | 22 57 | 0 13 | 22 41 | 0 30 | 1 10 | 10 45 | 21 19 | 21 6 | 6 28 | | n.a. |
| T 7 | 20 8 | 6 37 | 5 4 | 19 48 | 2 55 | 23 59 | 0 4 | 24 40 | 1 2 | 23 51 | 0 51 | 23 20 | 1 15 | 22 57 | 0 13 | 22 41 | 0 30 | 1 11 | 10 45 | 21 16 | 21 5 | 6 30 | | n.a. |
| W 8 | 19 54 | 2 8 | 5 0 | 20 5 | 2 42 | 24 2 | 0 7 | 24 38 | 1 3 | 23 50 | 0 51 | 23 19 | 1 15 | 22 57 | 0 13 | 22 41 | 0 30 | 1 11 | 10 45 | 21 14 | 21 4 | 6 32 | | n.a. |
| T 9 | 19 40 | 2n21 | 4 43 | 20 22 | 2 29 | 24 3 | 0 10 | 24 34 | 1 3 | 23 48 | 0 51 | 23 18 | 1 15 | 22 58 | 0 13 | 22 41 | 0 30 | 1 11 | 10 46 | 21 13 | 21 4 | 6 35 | | n.a. |
| F 10 | 19 26 | 6 43 | 4 13 | 20 38 | 2 15 | 24 5 | 0 13 | 24 31 | 1 4 | 23 47 | 0 51 | 23 17 | 1 15 | 22 58 | 0 13 | 22 41 | 0 30 | 1 11 | 10 46 | 21 12 | 21 3 | 6 37 | | n.a. |
| S 11 | 19 11 | 10 49 | 3 33 | 20 54 | 2 1 | 24 5 | 0 16 | 24 27 | 1 4 | 23 45 | 0 51 | 23 16 | 1 15 | 22 58 | 0 13 | 22 41 | 0 30 | 1 12 | 10 46 | 21 11 | 21 2 | 6 39 | | n.a. |
| S 12 | 18 56 | 14 30 | 2 43 | 21 9 | 1 47 | 24 5 | 0 18 | 24 23 | 1 4 | 23 43 | 0 52 | 23 15 | 1 15 | 22 59 | 0 13 | 22 42 | 0 30 | 1 12 | 10 46 | 21 11 | 21 2 | 6 41 | | n.a. |
| M13 | 18 41 | 17 39 | 1 46 | 21 23 | 1 32 | 24 4 | 0 21 | 24 19 | 1 5 | 23 42 | 0 52 | 23 14 | 1 16 | 22 59 | 0 13 | 22 42 | 0 30 | 1 12 | 10 47 | 21 10 | 21 1 | 6 44 | | n.a. |
| T 14 | 18 25 | 20 4 | 0 43 | 21 37 | 1 18 | 24 2 | 0 24 | 24 15 | 1 5 | 23 40 | 0 52 | 23 12 | 1 16 | 22 59 | 0 13 | 22 42 | 0 30 | 1 12 | 10 47 | 21 11 | 21 1 | 6 46 | | n.a. |
| W15 | 18 9 | 21 35 | 0 s23 | 21 50 | 1 4 | 24 0 | 0 27 | 24 10 | 1 6 | 23 39 | 0 52 | 23 11 | 1 16 | 23 0 | 0 13 | 22 42 | 0 30 | 1 13 | 10 47 | 21 11 | 21 0 | 6 48 | | n.a. |
| T 16 | 17 53 | 22 3 | 1 30 | 22 2 | 0 50 | 23 56 | 0 29 | 24 5 | 1 6 | 23 37 | 0 52 | 23 10 | 1 16 | 23 0 | 0 13 | 22 42 | 0 30 | 1 13 | 10 47 | 21 10 | 20 59 | 6 50 | | n.a. |
| F 17 | 17 36 | 21 19 | 2 34 | 22 13 | 0 37 | 23 53 | 0 32 | 23 59 | 1 6 | 23 35 | 0 52 | 23 9 | 1 16 | 23 0 | 0 13 | 22 42 | 0 30 | 1 13 | 10 48 | 21 10 | 20 59 | 6 53 | | n.a. |
| S 18 | 17 20 | 19 19 | 3 31 | 22 23 | 0 23 | 23 48 | 0 35 | 23 54 | 1 7 | 23 33 | 0 52 | 23 8 | 1 16 | 23 1 | 0 13 | 22 43 | 0 30 | 1 14 | 10 48 | 21 8 | 20 58 | 6 55 | | n.a. |
| S 19 | 17 3 | 16 8 | 4 17 | 22 31 | 0 11 | 23 43 | 0 37 | 23 48 | 1 7 | 23 32 | 0 53 | 23 7 | 1 16 | 23 1 | 0 13 | 22 43 | 0 30 | 1 14 | 10 48 | 21 7 | 20 57 | 6 57 | | n.a. |
| M20 | 16 45 | 11 55 | 4 49 | 22 39 | 0 s 2 | 23 37 | 0 40 | 23 42 | 1 7 | 23 30 | 0 53 | 23 6 | 1 16 | 23 1 | 0 13 | 22 43 | 0 30 | 1 14 | 10 48 | 21 5 | 20 57 | 6 59 | | n.a. |
| T 21 | 16 28 | 6 55 | 5 1 | 22 46 | 0 14 | 23 30 | 0 42 | 23 35 | 1 8 | 23 28 | 0 53 | 23 4 | 1 16 | 23 1 | 0 13 | 22 43 | 0 30 | 1 15 | 10 49 | 21 3 | 20 56 | 7 2 | | n.a. |
| W22 | 16 10 | 1 30 | 4 54 | 22 51 | 0 25 | 23 23 | 0 44 | 23 29 | 1 8 | 23 26 | 0 53 | 23 3 | 1 17 | 23 2 | 0 13 | 22 43 | 0 30 | 1 15 | 10 49 | 21 0 | 20 55 | 7 4 | | n.a. |
| T 23 | 15 51 | 4 s 1 | 4 27 | 22 55 | 0 36 | 23 15 | 0 47 | 23 22 | 1 8 | 23 25 | 0 53 | 23 2 | 1 17 | 23 2 | 0 13 | 22 43 | 0 30 | 1 16 | 10 49 | 20 59 | 20 55 | 7 6 | | n.a. |
| F 24 | 15 33 | 9 15 | 3 43 | 22 58 | 0 46 | 23 6 | 0 49 | 23 15 | 1 9 | 23 23 | 0 53 | 23 1 | 1 17 | 23 2 | 0 13 | 22 43 | 0 30 | 1 16 | 10 49 | 20 57 | 20 54 | 7 8 | | n.a. |
| S 25 | 15 14 | 13 53 | 2 45 | 23 0 | 0 56 | 22 56 | 0 51 | 23 7 | 1 9 | 23 21 | 0 53 | 23 0 | 1 17 | 23 3 | 0 13 | 22 44 | 0 30 | 1 16 | 10 50 | 20 57 | 20 53 | 7 10 | | n.a. |
| S 26 | 14 56 | 17 38 | 1 37 | 23 0 | 1 6 | 22 46 | 0 54 | 23 0 | 1 9 | 23 19 | 0 54 | 22 59 | 1 17 | 23 3 | 0 13 | 22 44 | 0 30 | 1 17 | 10 50 | 20 56 | 20 53 | 7 13 | | n.a. |
| M27 | 14 36 | 20 17 | 0 26 | 22 58 | 1 15 | 22 36 | 0 56 | 22 52 | 1 9 | 23 17 | 0 54 | 22 58 | 1 17 | 23 3 | 0 13 | 22 44 | 0 30 | 1 17 | 10 50 | 20 56 | 20 52 | 7 15 | | n.a. |
| T 28 | 14 17 | 21 43 | 0n46 | 22 56 | 1 23 | 22 24 | 0 58 | 22 44 | 1 10 | 23 16 | 0 54 | 22 56 | 1 17 | 23 3 | 0 13 | 22 44 | 0 30 | 1 18 | 10 50 | 20 56 | 20 51 | 7 17 | | n.a. |
| W29 | 13 s58 | 21 s53 | 1n54 | 22 s52 | 1 s31 | 22 s12 | 1 s 0 | 22 s35 | 1 s10 | 23 s14 | 0 s54 | 22 s55 | 1 s17 | 23 s 4 | 0 s13 | 22 s44 | 0n30 | 1n18 | 10n50 | 20 s56 | 20 s51 | 7n19 | | n.a. |

Julian Day Number = 1008120.5, Delta T = 12h43m13s
Ecliptic obliquity = 23°55'05, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'59, Lahiri = -30°52'58 Julian Calendar 1 Feb. 1953 BCE == Greg. Calendar 15 Jan. 1953 BCE


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## MARCH 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 29 55 | 24♒27'42 | 6♉54 | 27♉ 7 | 27♉58 | 26♉24 | 20♉36 | 24♉36 | 13♐14 | 16♐39 | 22°R 0 | 1°R45 | 1♐19 | 8♈58 | n.a. | T 1 |
| F 2 | 9 33 51 | 25°26'11 | 19°46 | 28°15 | 29°11 | 27°10 | 20°49 | 24°43 | 13°16 | 16°40 | 21♎59 | 1♐38 | 1°16 | 9° 5 | n.a. | F 2 |
| S 3 | 9 37 48 | 26°24'38 | 2♒27 | 29°26 | 0♒24 | 27°56 | 21° 2 | 24°49 | 13°18 | 16°41 | 21°59 | 1°28 | 1°13 | 9°12 | n.a. | S 3 |
| S 4 | 9 41 45 | 27°23'03 | 14°58 | 0♒39 | 1°37 | 28°42 | 21°15 | 24°56 | 13°19 | 16°42 | 21°58 | 1°16 | 1° 9 | 9°18 | n.a. | S 4 |
| M 5 | 9 45 41 | 28°21'26 | 27°19 | 1°54 | 2°50 | 29°28 | 21°28 | 25° 3 | 13°21 | 16°43 | 21°57 | 1° 3 | 1° 6 | 9°25 | n.a. | M 5 |
| T 6 | 9 49 38 | 29°19'47 | 9♓31 | 3°11 | 4° 3 | 0♒14 | 21°41 | 25°10 | 13°22 | 16°44 | 21°57 | 0°49 | 1° 3 | 9°32 | n.a. | T 6 |
| W 7 | 9 53 34 | 0♓18'06 | 21°34 | 4°31 | 5°15 | 1° 0 | 21°54 | 25°16 | 13°23 | 16°45 | 21°56 | 0°36 | 1° 0 | 9°38 | n.a. | W 7 |
| T 8 | 9 57 31 | 1°16'22 | 3♈30 | 5°52 | 6°28 | 1°46 | 22° 7 | 25°23 | 13°25 | 16°46 | 21°55 | 0°24 | 0°57 | 9°45 | n.a. | T 8 |
| F 9 | 10 1 27 | 2°14'37 | 15°20 | 7°16 | 7°41 | 2°32 | 22°19 | 25°29 | 13°26 | 16°47 | 21°54 | 0°15 | 0°53 | 9°52 | n.a. | F 9 |
| S 10 | 10 5 24 | 3°12'50 | 27° 9 | 8°41 | 8°54 | 3°18 | 22°32 | 25°36 | 13°27 | 16°48 | 21°53 | 0° 9 | 0°50 | 9°59 | n.a. | S 10 |
| S 11 | 10 9 20 | 4°11'00 | 8♉59 | 10° 9 | 10° 7 | 4° 4 | 22°44 | 25°42 | 13°29 | 16°49 | 21°52 | 0° 6 | 0°47 | 10° 5 | n.a. | S 11 |
| M12 | 10 13 17 | 5° 9'08 | 20°55 | 11°38 | 11°20 | 4°49 | 22°57 | 25°49 | 13°30 | 16°49 | 21°51 | 0° 5 | 0°44 | 10°12 | n.a. | M12 |
| T 13 | 10 17 13 | 6° 7'15 | 3♊ 2 | 13° 9 | 12°33 | 5°35 | 23° 9 | 25°55 | 13°31 | 16°50 | 21°50 | 0° 4 | 0°41 | 10°19 | n.a. | T 13 |
| W14 | 10 21 10 | 7° 5'19 | 15°26 | 14°43 | 13°46 | 6°21 | 23°22 | 26° 1 | 13°32 | 16°51 | 21°49 | 0° 4 | 0°38 | 10°25 | n.a. | W14 |
| T 15 | 10 25 7 | 8° 3'21 | 28°11 | 16°18 | 14°59 | 7° 6 | 23°34 | 26° 8 | 13°33 | 16°52 | 21°48 | 0° 3 | 0°34 | 10°32 | n.a. | T 15 |
| F 16 | 10 29 3 | 9° 1'21 | 11♋23 | 17°54 | 16°12 | 7°52 | 23°46 | 26°14 | 13°34 | 16°52 | 21°47 | 29♏59 | 0°31 | 10°39 | n.a. | F 16 |
| S 17 | 10 33 0 | 9°59'18 | 25° 3 | 19°33 | 17°25 | 8°37 | 23°58 | 26°20 | 13°35 | 16°53 | 21°46 | 29°54 | 0°28 | 10°45 | n.a. | S 17 |
| S 18 | 10 36 56 | 10°57'14 | 9♌13 | 21°14 | 18°38 | 9°23 | 24°10 | 26°26 | 13°36 | 16°54 | 21°45 | 29°46 | 0°25 | 10°52 | n.a. | S 18 |
| M19 | 10 40 53 | 11°55'08 | 23°49 | 22°56 | 19°51 | 10° 8 | 24°22 | 26°32 | 13°36 | 16°54 | 21°44 | 29°36 | 0°22 | 10°59 | n.a. | M19 |
| T 20 | 10 44 49 | 12°53'00 | 8♍46 | 24°40 | 21° 4 | 10°54 | 24°34 | 26°38 | 13°37 | 16°55 | 21°43 | 29°25 | 0°18 | 11° 5 | n.a. | T 20 |
| W21 | 10 48 46 | 13°50'50 | 23°54 | 26°26 | 22°17 | 11°39 | 24°46 | 26°44 | 13°38 | 16°55 | 21°42 | 29°15 | 0°15 | 11°12 | n.a. | W21 |
| T 22 | 10 52 42 | 14°48'39 | 9♎ 4 | 28°14 | 23°30 | 12°24 | 24°57 | 26°50 | 13°39 | 16°56 | 21°40 | 29° 7 | 0°12 | 11°19 | n.a. | T 22 |
| F 23 | 10 56 39 | 15°46'26 | 24° 4 | 0♓ 4 | 24°43 | 13°10 | 25° 9 | 26°56 | 13°39 | 16°56 | 21°39 | 29° 0 | 0° 9 | 11°26 | n.a. | F 23 |
| S 24 | 11 0 35 | 16°44'11 | 8♏48 | 1°55 | 25°56 | 13°55 | 25°20 | 27° 2 | 13°40 | 16°57 | 21°38 | 28°57 | 0° 6 | 11°32 | n.a. | S 24 |
| S 25 | 11 4 32 | 17°41'56 | 23° 9 | 3°49 | 27° 9 | 14°40 | 25°32 | 27° 7 | 13°40 | 16°57 | 21°37 | 28°D55 | 0° 3 | 11°39 | n.a. | S 25 |
| M26 | 11 8 29 | 18°39'39 | 7♐ 8 | 5°44 | 28°22 | 15°25 | 25°43 | 27°13 | 13°41 | 16°57 | 21°36 | 28°55 | 29♏59 | 11°46 | n.a. | M26 |
| T 27 | 11 12 25 | 19°37'20 | 20°42 | 7°41 | 29°35 | 16°10 | 25°54 | 27°18 | 13°41 | 16°58 | 21°34 | 28°R56 | 29°56 | 11°52 | n.a. | T 27 |
| W28 | 11 16 22 | 20°35'01 | 3♉56 | 9°40 | 0♓48 | 16°55 | 26° 5 | 27°24 | 13°42 | 16°58 | 21°33 | 28°55 | 29°53 | 11°59 | n.a. | W28 |
| T 29 | 11 20 18 | 21°32'40 | 16°52 | 11°41 | 2° 1 | 17°40 | 26°16 | 27°29 | 13°42 | 16°58 | 21°32 | 28°52 | 29°50 | 12° 6 | n.a. | T 29 |
| F 30 | 11 24 15 | 22°30'18 | 29°32 | 13°43 | 3°14 | 18°25 | 26°27 | 27°35 | 13°42 | 16°58 | 21°30 | 28°47 | 29°47 | 12°12 | n.a. | F 30 |
| S 31 | 11 28 11 | 23♓27'55 | 11♒59 | 15♓47 | 4♓27 | 19♒10 | 26♉38 | 27♉40 | 13♐42 | 16♐59 | 21♎29 | 28♏39 | 29♏44 | 12♈19 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 13s38 | 20s50 | 2n54 | 22s46 | 1s39 | 21s59 | 1s 2 | 22s27 | 1s10 | 23s12 | 0s54 | 22s54 | 1s17 | 23s 4 | 0s13 | 22s44 | 0n30 | 1n18 | 10n51 | 20s55 | 20s50 | 7n21 | | | n.a. |
| F 2 | 13 18 | 18 44 | 3 44 | 22 39 | 1 45 | 21 46 | 1 4 | 22 18 | 1 10 | 23 10 | 0 54 | 22 53 | 1 18 | 23 4 | 0 13 | 22 44 | 0 30 | 1 19 | 10 51 | 20 54 | 20 49 | 7 24 | | | n.a. |
| S 3 | 12 58 | 15 45 | 4 23 | 22 30 | 1 52 | 21 32 | 1 5 | 22 9 | 1 11 | 23 8 | 0 55 | 22 52 | 1 18 | 23 4 | 0 13 | 22 44 | 0 30 | 1 19 | 10 51 | 20 52 | 20 49 | 7 26 | | | n.a. |
| S 4 | 12 37 | 12 5 | 4 48 | 22 20 | 1 58 | 21 17 | 1 7 | 21 59 | 1 11 | 23 6 | 0 55 | 22 51 | 1 18 | 23 4 | 0 13 | 22 44 | 0 30 | 1 20 | 10 51 | 20 50 | 20 48 | 7 28 | | | n.a. |
| M 5 | 12 17 | 7 58 | 4 59 | 22 8 | 2 3 | 21 2 | 1 9 | 21 50 | 1 11 | 23 4 | 0 55 | 22 50 | 1 18 | 23 5 | 0 13 | 22 45 | 0 30 | 1 20 | 10 52 | 20 47 | 20 47 | 7 30 | | | n.a. |
| T 6 | 11 56 | 3 36 | 4 56 | 21 54 | 2 8 | 20 46 | 1 11 | 21 40 | 1 11 | 23 2 | 0 55 | 22 49 | 1 18 | 23 5 | 0 13 | 22 45 | 0 30 | 1 21 | 10 52 | 20 44 | 20 47 | 7 32 | | | n.a. |
| W 7 | 11 35 | 0n52 | 4 40 | 21 39 | 2 12 | 20 30 | 1 12 | 21 30 | 1 12 | 23 0 | 0 55 | 22 47 | 1 18 | 23 5 | 0 13 | 22 45 | 0 30 | 1 21 | 10 52 | 20 41 | 20 46 | 7 35 | | | n.a. |
| T 8 | 11 14 | 5 15 | 4 12 | 21 22 | 2 15 | 20 13 | 1 14 | 21 20 | 1 12 | 22 58 | 0 56 | 22 46 | 1 18 | 23 5 | 0 13 | 22 45 | 0 30 | 1 22 | 10 52 | 20 39 | 20 45 | 7 37 | | | n.a. |
| F 9 | 10 53 | 9 25 | 3 33 | 21 3 | 2 19 | 19 55 | 1 15 | 21 9 | 1 12 | 22 57 | 0 56 | 22 45 | 1 19 | 23 5 | 0 13 | 22 45 | 0 30 | 1 22 | 10 52 | 20 37 | 20 45 | 7 39 | | | n.a. |
| S 10 | 10 32 | 13 13 | 2 45 | 20 43 | 2 21 | 19 37 | 1 17 | 20 59 | 1 12 | 22 55 | 0 56 | 22 44 | 1 19 | 23 6 | 0 13 | 22 45 | 0 30 | 1 23 | 10 53 | 20 35 | 20 44 | 7 41 | | | n.a. |
| S 11 | 10 10 | 16 30 | 1 49 | 20 21 | 2 23 | 19 19 | 1 18 | 20 48 | 1 12 | 22 53 | 0 56 | 22 43 | 1 19 | 23 6 | 0 13 | 22 45 | 0 30 | 1 23 | 10 53 | 20 35 | 20 43 | 7 43 | | | n.a. |
| M12 | 9 49 | 19 7 | 0 48 | 19 57 | 2 25 | 18 59 | 1 19 | 20 37 | 1 13 | 22 51 | 0 56 | 22 42 | 1 19 | 23 6 | 0 13 | 22 45 | 0 30 | 1 24 | 10 53 | 20 34 | 20 43 | 7 46 | | | n.a. |
| T 13 | 9 27 | 20 56 | 0s16 | 19 31 | 2 26 | 18 40 | 1 21 | 20 26 | 1 13 | 22 49 | 0 56 | 22 41 | 1 19 | 23 6 | 0 13 | 22 45 | 0 30 | 1 24 | 10 53 | 20 34 | 20 42 | 7 48 | | | n.a. |
| W14 | 9 5 | 21 46 | 1 20 | 19 4 | 2 26 | 18 20 | 1 22 | 20 14 | 1 13 | 22 47 | 0 57 | 22 40 | 1 19 | 23 6 | 0 14 | 22 45 | 0 30 | 1 25 | 10 53 | 20 34 | 20 41 | 7 50 | | | n.a. |
| T 15 | 8 43 | 21 31 | 2 23 | 18 35 | 2 26 | 17 59 | 1 23 | 20 3 | 1 13 | 22 45 | 0 57 | 22 39 | 1 20 | 23 6 | 0 14 | 22 45 | 0 30 | 1 25 | 10 53 | 20 34 | 20 41 | 7 52 | | | n.a. |
| F 16 | 8 21 | 20 6 | 3 20 | 18 4 | 2 25 | 17 38 | 1 24 | 19 51 | 1 13 | 22 43 | 0 57 | 22 38 | 1 20 | 23 6 | 0 14 | 22 45 | 0 30 | 1 26 | 10 54 | 20 33 | 20 40 | 7 54 | | | n.a. |
| S 17 | 7 59 | 17 29 | 4 8 | 17 31 | 2 24 | 17 16 | 1 25 | 19 39 | 1 13 | 22 41 | 0 57 | 22 37 | 1 20 | 23 7 | 0 14 | 22 45 | 0 30 | 1 26 | 10 54 | 20 32 | 20 39 | 7 56 | | | n.a. |
| S 18 | 7 36 | 13 46 | 4 42 | 16 56 | 2 22 | 16 54 | 1 26 | 19 27 | 1 14 | 22 39 | 0 57 | 22 36 | 1 20 | 23 7 | 0 14 | 22 46 | 0 30 | 1 27 | 10 54 | 20 30 | 20 39 | 7 59 | | | n.a. |
| M19 | 7 14 | 9 8 | 5 0 | 16 20 | 2 19 | 16 31 | 1 26 | 19 14 | 1 14 | 22 37 | 0 58 | 22 35 | 1 20 | 23 7 | 0 14 | 22 46 | 0 30 | 1 28 | 10 54 | 20 28 | 20 38 | 8 1 | | | n.a. |
| T 20 | 6 51 | 3 52 | 4 57 | 15 42 | 2 16 | 16 8 | 1 27 | 19 2 | 1 14 | 22 35 | 0 58 | 22 34 | 1 20 | 23 7 | 0 14 | 22 46 | 0 30 | 1 28 | 10 54 | 20 26 | 20 37 | 8 3 | | | n.a. |
| W21 | 6 29 | 1s43 | 4 34 | 15 2 | 2 13 | 15 45 | 1 28 | 18 49 | 1 14 | 22 33 | 0 58 | 22 33 | 1 20 | 23 7 | 0 14 | 22 46 | 0 30 | 1 29 | 10 54 | 20 24 | 20 37 | 8 5 | | | n.a. |
| T 22 | 6 6 | 7 12 | 3 52 | 14 20 | 2 9 | 15 21 | 1 28 | 18 36 | 1 14 | 22 31 | 0 58 | 22 32 | 1 21 | 23 7 | 0 14 | 22 46 | 0 30 | 1 29 | 10 54 | 20 22 | 20 36 | 8 7 | | | n.a. |
| F 23 | 5 43 | 12 12 | 2 54 | 13 36 | 2 4 | 14 56 | 1 29 | 18 23 | 1 14 | 22 29 | 0 58 | 22 31 | 1 21 | 23 7 | 0 14 | 22 46 | 0 30 | 1 30 | 10 55 | 20 20 | 20 35 | 8 9 | | | n.a. |
| S 24 | 5 20 | 16 22 | 1 45 | 12 51 | 1 59 | 14 32 | 1 29 | 18 10 | 1 14 | 22 27 | 0 59 | 22 30 | 1 21 | 23 7 | 0 14 | 22 46 | 0 30 | 1 30 | 10 55 | 20 19 | 20 35 | 8 11 | | | n.a. |
| S 25 | 4 57 | 19 26 | 0 31 | 12 3 | 1 53 | 14 7 | 1 30 | 17 57 | 1 14 | 22 25 | 0 59 | 22 29 | 1 21 | 23 7 | 0 14 | 22 46 | 0 30 | 1 31 | 10 55 | 20 19 | 20 34 | 8 14 | | | n.a. |
| M26 | 4 34 | 21 13 | 0n43 | 11 14 | 1 47 | 13 41 | 1 30 | 17 43 | 1 14 | 22 24 | 0 59 | 22 28 | 1 21 | 23 8 | 0 14 | 22 46 | 0 30 | 1 32 | 10 55 | 20 19 | 20 33 | 8 16 | | | n.a. |
| T 27 | 4 11 | 21 42 | 1 53 | 10 24 | 1 40 | 13 15 | 1 30 | 17 29 | 1 15 | 22 22 | 0 59 | 22 27 | 1 22 | 23 8 | 0 14 | 22 46 | 0 30 | 1 32 | 10 55 | 20 19 | 20 33 | 8 18 | | | n.a. |
| W28 | 3 48 | 20 57 | 2 55 | 9 31 | 1 33 | 12 49 | 1 31 | 17 16 | 1 15 | 22 20 | 1 0 | 22 26 | 1 22 | 23 8 | 0 14 | 22 46 | 0 30 | 1 33 | 10 55 | 20 19 | 20 32 | 8 20 | | | n.a. |
| T 29 | 3 25 | 19 6 | 3 46 | 8 37 | 1 25 | 12 23 | 1 31 | 17 2 | 1 15 | 22 18 | 1 0 | 22 25 | 1 22 | 23 8 | 0 14 | 22 46 | 0 30 | 1 33 | 10 55 | 20 18 | 20 31 | 8 22 | | | n.a. |
| F 30 | 3 2 | 16 20 | 4 25 | 7 42 | 1 17 | 11 56 | 1 31 | 16 47 | 1 15 | 22 16 | 1 0 | 22 24 | 1 22 | 23 8 | 0 14 | 22 46 | 0 30 | 1 34 | 10 55 | 20 17 | 20 30 | 8 24 | | | n.a. |
| S 31 | 2s39 | 12s54 | 4n50 | 6s45 | 1s 8 | 11s29 | 1s31 | 16s33 | 1s15 | 22s14 | 1s 0 | 22s23 | 1s22 | 23s 8 | 0s14 | 22s46 | 0n30 | 1n34 | 10n55 | 20s16 | 20s30 | 8n26 | | | n.a. |

Julian Day Number = 1008149.5, Delta T = 12h43m11s
Ecliptic obliquity = 23°55'05, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'56, Lahiri = -30°52'54 Julian Calendar 1 March 1953 BCE == Greg. Calendar 13 Feb. 1953 BCE

The year -1952 astronomical counting style corresponds to year 1953 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## APRIL 1953 BCE (-1952) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 11 32 8 | 24♓25'30 | 24♒16 | 17♓52 | 5♓40 | 19♒55 | 26♉49 | 27♉45 | 13♐43 | 16♐59 | 21°R28 | 28°R30 | 29♏40 | 12♈26 | n.a. | S 1 |
| M 2 | 11 36 4 | 25°23'05 | 6♓24 | 19°59 | 6°53 | 20°39 | 27° 0 | 27°51 | 13°43 | 16°59 | 21♎26 | 28♏18 | 29°37 | 12°32 | n.a. | M 2 |
| T 3 | 11 40 1 | 26°20'37 | 18°25 | 22° 7 | 8° 6 | 21°24 | 27°10 | 27°56 | 13°43 | 16°59 | 21°25 | 28° 7 | 29°34 | 12°39 | n.a. | T 3 |
| W 4 | 11 43 57 | 27°18'09 | 0♈21 | 24°16 | 9°19 | 22° 9 | 27°21 | 28° 1 | 13°R43 | 16°59 | 21°23 | 27°56 | 29°31 | 12°46 | n.a. | W 4 |
| T 5 | 11 47 54 | 28°15'39 | 12°12 | 26°26 | 10°32 | 22°53 | 27°31 | 28° 6 | 13°43 | 16°R59 | 21°22 | 27°46 | 29°28 | 12°52 | n.a. | T 5 |
| F 6 | 11 51 51 | 29°13'08 | 24° 1 | 28°37 | 11°46 | 23°38 | 27°41 | 28°11 | 13°43 | 16°59 | 21°20 | 27°39 | 29°24 | 12°59 | n.a. | F 6 |
| S 7 | 11 55 47 | 0♈10'35 | 5♉49 | 0♈48 | 12°59 | 24°22 | 27°51 | 28°15 | 13°43 | 16°59 | 21°19 | 27°34 | 29°21 | 13° 6 | n.a. | S 7 |
| S 8 | 11 59 44 | 1° 8'01 | 17°41 | 2°59 | 14°12 | 25° 7 | 28° 1 | 28°20 | 13°42 | 16°59 | 21°18 | 27°31 | 29°18 | 13°13 | n.a. | S 8 |
| M 9 | 12 3 40 | 2° 5'26 | 29°38 | 5°10 | 15°25 | 25°51 | 28°11 | 28°25 | 13°42 | 16°59 | 21°16 | 27°D31 | 29°15 | 13°19 | n.a. | M 9 |
| T 10 | 12 7 37 | 3° 2'49 | 11♊46 | 7°21 | 16°38 | 26°35 | 28°21 | 28°29 | 13°42 | 16°59 | 21°15 | 27°32 | 29°12 | 13°26 | n.a. | T 10 |
| W11 | 12 11 33 | 4° 0'11 | 24° 9 | 9°31 | 17°51 | 27°20 | 28°31 | 28°34 | 13°42 | 16°58 | 21°13 | 27°33 | 29° 9 | 13°33 | n.a. | W11 |
| T 12 | 12 15 30 | 4°57'32 | 6♋53 | 11°40 | 19° 4 | 28° 4 | 28°40 | 28°38 | 13°41 | 16°58 | 21°11 | 27°R33 | 29° 5 | 13°39 | n.a. | T 12 |
| F 13 | 12 19 26 | 5°54'51 | 20° 0 | 13°48 | 20°18 | 28°48 | 28°50 | 28°43 | 13°41 | 16°58 | 21°10 | 27°32 | 29° 2 | 13°46 | n.a. | F 13 |
| S 14 | 12 23 23 | 6°52'09 | 3♌35 | 15°55 | 21°31 | 29°32 | 28°59 | 28°47 | 13°40 | 16°58 | 21° 8 | 27°29 | 28°59 | 13°53 | n.a. | S 14 |
| S 15 | 12 27 20 | 7°49'26 | 17°39 | 18° 0 | 22°44 | 0♓16 | 29° 8 | 28°51 | 13°40 | 16°58 | 21° 7 | 27°24 | 28°56 | 13°59 | n.a. | S 15 |
| M16 | 12 31 16 | 8°46'41 | 2♍12 | 20° 3 | 23°57 | 1° 0 | 29°17 | 28°55 | 13°39 | 16°57 | 21° 5 | 27°18 | 28°53 | 14° 6 | n.a. | M16 |
| T 17 | 12 35 13 | 9°43'55 | 17° 7 | 22° 4 | 25°10 | 1°44 | 29°26 | 29° 0 | 13°39 | 16°57 | 21° 4 | 27°11 | 28°49 | 14°13 | n.a. | T 17 |
| W18 | 12 39 9 | 10°41'08 | 2♎18 | 24° 3 | 26°23 | 2°28 | 29°35 | 29° 3 | 13°38 | 16°56 | 21° 2 | 27° 4 | 28°46 | 14°19 | n.a. | W18 |
| T 19 | 12 43 6 | 11°38'20 | 17°35 | 25°59 | 27°37 | 3°12 | 29°44 | 29° 7 | 13°37 | 16°56 | 21° 1 | 26°59 | 28°43 | 14°26 | n.a. | T 19 |
| F 20 | 12 47 2 | 12°35'31 | 2♏46 | 27°53 | 28°50 | 3°55 | 29°52 | 29°11 | 13°37 | 16°56 | 20°59 | 26°55 | 28°40 | 14°33 | n.a. | F 20 |
| S 21 | 12 50 59 | 13°32'42 | 17°43 | 29°45 | 0♈ 3 | 4°39 | 0♒ 1 | 29°15 | 13°36 | 16°55 | 20°57 | 26°53 | 28°37 | 14°39 | n.a. | S 21 |
| S 22 | 12 54 55 | 14°29'52 | 2♐18 | 1♉35 | 1°16 | 5°23 | 0° 9 | 29°19 | 13°35 | 16°55 | 20°56 | 26°D53 | 28°34 | 14°46 | n.a. | S 22 |
| M23 | 12 58 52 | 15°27'01 | 16°28 | 3°22 | 2°30 | 6° 6 | 0°17 | 29°22 | 13°34 | 16°54 | 20°54 | 26°54 | 28°30 | 14°53 | n.a. | M23 |
| T 24 | 13 2 49 | 16°24'10 | 0♑11 | 5° 6 | 3°43 | 6°50 | 0°25 | 29°26 | 13°33 | 16°53 | 20°53 | 26°55 | 28°27 | 14°59 | n.a. | T 24 |
| W25 | 13 6 45 | 17°21'19 | 13°29 | 6°48 | 4°56 | 7°33 | 0°33 | 29°29 | 13°32 | 16°53 | 20°51 | 26°R56 | 28°24 | 15° 6 | n.a. | W25 |
| T 26 | 13 10 42 | 18°18'27 | 26°25 | 8°27 | 6° 9 | 8°16 | 0°41 | 29°32 | 13°31 | 16°52 | 20°49 | 26°56 | 28°21 | 15°13 | n.a. | T 26 |
| F 27 | 13 14 38 | 19°15'35 | 9♒ 1 | 10° 3 | 7°23 | 9° 0 | 0°49 | 29°35 | 13°30 | 16°52 | 20°48 | 26°54 | 28°18 | 15°20 | n.a. | F 27 |
| S 28 | 13 18 35 | 20°12'42 | 21°22 | 11°37 | 8°36 | 9°43 | 0°56 | 29°38 | 13°29 | 16°51 | 20°46 | 26°50 | 28°15 | 15°26 | n.a. | S 28 |
| S 29 | 13 22 31 | 21° 9'49 | 3♓31 | 13° 8 | 9°49 | 10°26 | 1° 3 | 29°41 | 13°28 | 16°50 | 20°45 | 26°46 | 28°11 | 15°33 | n.a. | S 29 |
| M30 | 13 26 28 | 22♈ 6'56 | 15♓31 | 14♉37 | 11♈ 3 | 11♓ 9 | 1♒11 | 29♉44 | 13♐27 | 16♐49 | 20♎43 | 26♏40 | 28♏ 8 | 15♈40 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 2s15 | 8s57 | 5n 2 | 5s47 | 0s59 | 11s 1 | 1s31 | 16s19 | 1s15 | 22s12 | 1s 0 | 22s22 | 1s22 | 23s 8 | 0s14 | 22s46 | 0n30 | 1n35 | 10n56 | 20s13 | 20s29 | 8n28 | | n.a. |
| M 2 | 1 52 | 4 42 | 5 0 | 4 48 | 0 49 | 10 33 | 1 31 | 16 4 | 1 15 | 22 10 | 1 1 | 22 21 | 1 23 | 23 8 | 0 14 | 22 46 | 0 30 | 1 36 | 10 56 | 20 11 | 20 28 | 8 31 | | n.a. |
| T 3 | 1 29 | 0 19 | 4 45 | 3 47 | 0 39 | 10 5 | 1 30 | 15 50 | 1 15 | 22 8 | 1 1 | 22 20 | 1 23 | 23 8 | 0 14 | 22 46 | 0 30 | 1 36 | 10 56 | 20 8 | 20 28 | 8 33 | | n.a. |
| W 4 | 1 6 | 4n 3 | 4 17 | 2 46 | 0 29 | 9 37 | 1 30 | 15 35 | 1 15 | 22 6 | 1 1 | 22 20 | 1 23 | 23 8 | 0 14 | 22 46 | 0 30 | 1 37 | 10 56 | 20 6 | 20 27 | 8 35 | | n.a. |
| T 5 | 0 42 | 8 14 | 3 38 | 1 44 | 0 19 | 9 9 | 1 30 | 15 20 | 1 15 | 22 5 | 1 1 | 22 19 | 1 23 | 23 8 | 0 14 | 22 46 | 0 30 | 1 37 | 10 56 | 20 3 | 20 26 | 8 37 | | n.a. |
| F 6 | 0 19 | 12 7 | 2 49 | 0 41 | 0 9 | 8 40 | 1 29 | 15 5 | 1 15 | 22 3 | 1 2 | 22 18 | 1 23 | 23 8 | 0 14 | 22 46 | 0 30 | 1 38 | 10 56 | 20 2 | 20 26 | 8 39 | | n.a. |
| S 7 | 0n 4 | 15 30 | 1 54 | 0n21 | 0n 2 | 8 11 | 1 29 | 14 50 | 1 15 | 22 1 | 1 2 | 22 17 | 1 24 | 23 8 | 0 14 | 22 46 | 0 30 | 1 39 | 10 56 | 20 1 | 20 25 | 8 41 | | n.a. |
| S 8 | 0 28 | 18 17 | 0 53 | 1 24 | 0 13 | 7 42 | 1 28 | 14 35 | 1 15 | 21 59 | 1 2 | 22 16 | 1 24 | 23 8 | 0 14 | 22 46 | 0 30 | 1 39 | 10 56 | 20 0 | 20 24 | 8 43 | | n.a. |
| M 9 | 0 51 | 20 17 | 0s11 | 2 27 | 0 23 | 7 12 | 1 28 | 14 19 | 1 15 | 21 57 | 1 2 | 22 16 | 1 24 | 23 8 | 0 14 | 22 46 | 0 30 | 1 40 | 10 56 | 20 0 | 20 23 | 8 45 | | n.a. |
| T 10 | 1 14 | 21 24 | 1 16 | 3 29 | 0 33 | 6 43 | 1 27 | 14 4 | 1 15 | 21 56 | 1 3 | 22 15 | 1 24 | 23 8 | 0 14 | 22 46 | 0 30 | 1 40 | 10 56 | 20 0 | 20 23 | 8 47 | | n.a. |
| W11 | 1 37 | 21 29 | 2 18 | 4 31 | 0 44 | 6 13 | 1 26 | 13 49 | 1 15 | 21 54 | 1 3 | 22 14 | 1 24 | 23 8 | 0 14 | 22 46 | 0 30 | 1 41 | 10 56 | 20 0 | 20 22 | 8 50 | | n.a. |
| T 12 | 2 0 | 20 29 | 3 16 | 5 31 | 0 53 | 5 43 | 1 26 | 13 33 | 1 15 | 21 52 | 1 3 | 22 13 | 1 25 | 23 8 | 0 14 | 22 46 | 0 30 | 1 41 | 10 56 | 20 0 | 20 21 | 8 52 | | n.a. |
| F 13 | 2 24 | 18 22 | 4 5 | 6 31 | 1 3 | 5 13 | 1 25 | 13 17 | 1 15 | 21 50 | 1 3 | 22 13 | 1 25 | 23 8 | 0 14 | 22 46 | 0 30 | 1 42 | 10 56 | 20 0 | 20 21 | 8 54 | | n.a. |
| S 14 | 2 47 | 15 11 | 4 42 | 7 29 | 1 12 | 4 43 | 1 24 | 13 1 | 1 15 | 21 49 | 1 4 | 22 12 | 1 25 | 23 8 | 0 14 | 22 46 | 0 30 | 1 43 | 10 56 | 19 59 | 20 20 | 8 56 | | n.a. |
| S 15 | 3 10 | 11 2 | 5 3 | 8 26 | 1 21 | 4 12 | 1 23 | 12 46 | 1 15 | 21 47 | 1 4 | 22 11 | 1 25 | 23 8 | 0 14 | 22 46 | 0 30 | 1 43 | 10 56 | 19 58 | 20 19 | 8 58 | | n.a. |
| M16 | 3 33 | 6 8 | 5 7 | 9 21 | 1 29 | 3 42 | 1 22 | 12 30 | 1 14 | 21 45 | 1 4 | 22 11 | 1 25 | 23 8 | 0 14 | 22 46 | 0 30 | 1 44 | 10 56 | 19 57 | 20 19 | 9 0 | | n.a. |
| T 17 | 3 56 | 0 45 | 4 50 | 10 15 | 1 37 | 3 11 | 1 21 | 12 13 | 1 14 | 21 44 | 1 4 | 22 10 | 1 26 | 23 8 | 0 14 | 22 46 | 0 30 | 1 44 | 10 56 | 19 55 | 20 18 | 9 2 | | n.a. |
| W18 | 4 19 | 4s46 | 4 12 | 11 7 | 1 44 | 2 41 | 1 20 | 11 57 | 1 14 | 21 42 | 1 5 | 22 9 | 1 26 | 23 8 | 0 14 | 22 46 | 0 30 | 1 45 | 10 56 | 19 54 | 20 17 | 9 4 | | n.a. |
| T 19 | 4 41 | 10 3 | 3 16 | 11 56 | 1 50 | 2 10 | 1 19 | 11 41 | 1 14 | 21 40 | 1 5 | 22 9 | 1 26 | 23 8 | 0 14 | 22 46 | 0 30 | 1 45 | 10 56 | 19 52 | 20 16 | 9 6 | | n.a. |
| F 20 | 5 4 | 14 39 | 2 7 | 12 44 | 1 56 | 1 39 | 1 17 | 11 25 | 1 14 | 21 39 | 1 5 | 22 8 | 1 26 | 23 8 | 0 14 | 22 46 | 0 30 | 1 46 | 10 56 | 19 51 | 20 16 | 9 8 | | n.a. |
| S 21 | 5 27 | 18 15 | 0 49 | 13 30 | 2 1 | 1 8 | 1 16 | 11 8 | 1 14 | 21 37 | 1 6 | 22 7 | 1 26 | 23 7 | 0 14 | 22 46 | 0 30 | 1 47 | 10 56 | 19 51 | 20 15 | 9 10 | | n.a. |
| S 22 | 5 50 | 20 33 | 0n29 | 14 13 | 2 6 | 0 37 | 1 15 | 10 52 | 1 14 | 21 36 | 1 6 | 22 7 | 1 27 | 23 7 | 0 14 | 22 45 | 0 30 | 1 47 | 10 56 | 19 51 | 20 14 | 9 12 | | n.a. |
| M23 | 6 12 | 21 29 | 1 44 | 14 54 | 2 10 | 0 6 | 1 13 | 10 36 | 1 14 | 21 34 | 1 6 | 22 6 | 1 27 | 23 7 | 0 14 | 22 45 | 0 30 | 1 48 | 10 56 | 19 51 | 20 14 | 9 14 | | n.a. |
| T 24 | 6 34 | 21 4 | 2 51 | 15 34 | 2 13 | 0n25 | 1 12 | 10 19 | 1 14 | 21 33 | 1 6 | 22 6 | 1 27 | 23 7 | 0 14 | 22 45 | 0 30 | 1 48 | 10 56 | 19 51 | 20 13 | 9 17 | | n.a. |
| W25 | 6 57 | 19 28 | 3 46 | 16 10 | 2 15 | 0 56 | 1 10 | 10 2 | 1 13 | 21 31 | 1 7 | 22 5 | 1 27 | 23 7 | 0 14 | 22 45 | 0 30 | 1 49 | 10 56 | 19 52 | 20 12 | 9 19 | | n.a. |
| T 26 | 7 19 | 16 54 | 4 28 | 16 45 | 2 17 | 1 27 | 1 9 | 9 46 | 1 13 | 21 30 | 1 7 | 22 5 | 1 28 | 23 7 | 0 14 | 22 45 | 0 30 | 1 49 | 10 56 | 19 52 | 20 11 | 9 21 | | n.a. |
| F 27 | 7 41 | 13 36 | 4 56 | 17 18 | 2 18 | 1 58 | 1 7 | 9 29 | 1 13 | 21 28 | 1 7 | 22 4 | 1 28 | 23 7 | 0 14 | 22 45 | 0 30 | 1 50 | 10 56 | 19 51 | 20 11 | 9 23 | | n.a. |
| S 28 | 8 3 | 9 47 | 5 10 | 17 48 | 2 18 | 2 29 | 1 6 | 9 12 | 1 13 | 21 27 | 1 8 | 22 4 | 1 28 | 23 7 | 0 14 | 22 45 | 0 30 | 1 50 | 10 55 | 19 50 | 20 10 | 9 25 | | n.a. |
| S 29 | 8 25 | 5 38 | 5 9 | 18 16 | 2 17 | 2 59 | 1 4 | 8 55 | 1 13 | 21 26 | 1 8 | 22 3 | 1 28 | 23 7 | 0 14 | 22 45 | 0 30 | 1 51 | 10 55 | 19 49 | 20 9 | 9 27 | | n.a. |
| M30 | 8n47 | 1s19 | 4n55 | 18n42 | 2n16 | 3n30 | 1s 2 | 8s39 | 1s13 | 21s24 | 1s 8 | 22s 3 | 1s28 | 23s 7 | 0s14 | 22s45 | 0n30 | 1n51 | 10n55 | 19s48 | 20s 8 | 9n29 | | n.a. |

Julian Day Number = 1008180.5, Delta T = 12h43m09s
Ecliptic obliquity = 23°55'06, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'51, Lahiri = -30°52'50 Julian Calendar 1 Apr. 1953 BCE == Greg. Calendar 15 March 1953 BCE


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## MAY 1953 BCE (-1952) JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 30 25 | 23♈ 4'03 | 27♓25 | 16♉ 3 | 12♈16 | 11♓52 | 1♒18 | 29♑47 | 13°R26 | 16°R49 | 20°R41 | 26°R34 | 28♏ 5 | 15♈46 | n.a. | T 1 |
| W 2 | 13 34 21 | 24° 1'09 | 9♈15 | 17°26 | 13°29 | 12°35 | 1°24 | 29°50 | 13♐24 | 16♐48 | 20♎40 | 26♏28 | 28° 2 | 15°53 | n.a. | W 2 |
| T 3 | 13 38 18 | 24°58'14 | 21° 5 | 18°46 | 14°43 | 13°18 | 1°31 | 29°53 | 13°23 | 16°47 | 20°38 | 26°23 | 27°59 | 16° 0 | n.a. | T 3 |
| F 4 | 13 42 14 | 25°55'20 | 2♉54 | 20° 3 | 15°56 | 14° 1 | 1°38 | 29°55 | 13°22 | 16°46 | 20°36 | 26°20 | 27°55 | 16° 6 | n.a. | F 4 |
| S 5 | 13 46 11 | 26°52'25 | 14°46 | 21°18 | 17°10 | 14°44 | 1°44 | 29°58 | 13°20 | 16°45 | 20°35 | 26°18 | 27°52 | 16°13 | n.a. | S 5 |
| S 6 | 13 50 7 | 27°49'29 | 26°43 | 22°29 | 18°23 | 15°27 | 1°50 | 29°59 | 13°19 | 16°44 | 20°33 | 26°D17 | 27°49 | 16°20 | n.a. | S 6 |
| M 7 | 13 54 4 | 28°46'33 | 8♊48 | 23°38 | 19°36 | 16° 9 | 1°57 | 0♒ 2 | 13°18 | 16°43 | 20°32 | 26°18 | 27°46 | 16°26 | n.a. | M 7 |
| T 8 | 13 58 0 | 29°43'37 | 21° 3 | 24°43 | 20°50 | 16°52 | 2° 3 | 0° 4 | 13°16 | 16°42 | 20°30 | 26°19 | 27°43 | 16°33 | n.a. | T 8 |
| W 9 | 14 1 57 | 0♉40'41 | 3♋31 | 25°46 | 22° 3 | 17°34 | 2° 8 | 0° 6 | 13°15 | 16°41 | 20°29 | 26°21 | 27°40 | 16°40 | n.a. | W 9 |
| T 10 | 14 5 54 | 1°37'43 | 16°17 | 26°45 | 23°17 | 18°17 | 2°14 | 0° 8 | 13°13 | 16°40 | 20°27 | 26°22 | 27°36 | 16°46 | n.a. | T 10 |
| F 11 | 14 9 50 | 2°34'46 | 29°24 | 27°41 | 24°30 | 18°59 | 2°19 | 0°10 | 13°11 | 16°39 | 20°25 | 26°R23 | 27°33 | 16°53 | n.a. | F 11 |
| S 12 | 14 13 47 | 3°31'48 | 12♌54 | 28°33 | 25°44 | 19°41 | 2°25 | 0°12 | 13°10 | 16°38 | 20°24 | 26°22 | 27°30 | 17° 0 | n.a. | S 12 |
| S 13 | 14 17 43 | 4°28'50 | 26°49 | 29°22 | 26°57 | 20°24 | 2°30 | 0°14 | 13° 8 | 16°37 | 20°22 | 26°21 | 27°27 | 17° 6 | n.a. | S 13 |
| M14 | 14 21 40 | 5°25'51 | 11♍ 9 | 0♊ 7 | 28°11 | 21° 6 | 2°35 | 0°15 | 13° 6 | 16°36 | 20°21 | 26°19 | 27°24 | 17°13 | n.a. | M14 |
| T 15 | 14 25 36 | 6°22'52 | 25°52 | 0°49 | 29°24 | 21°48 | 2°40 | 0°17 | 13° 5 | 16°35 | 20°19 | 26°17 | 27°21 | 17°20 | n.a. | T 15 |
| W16 | 14 29 33 | 7°19'53 | 10♎51 | 1°26 | 0♉38 | 22°30 | 2°44 | 0°18 | 13° 3 | 16°34 | 20°18 | 26°14 | 27°17 | 17°26 | n.a. | W16 |
| T 17 | 14 33 30 | 8°16'53 | 25°59 | 2° 0 | 1°51 | 23°12 | 2°49 | 0°19 | 13° 1 | 16°33 | 20°16 | 26°12 | 27°14 | 17°33 | n.a. | T 17 |
| F 18 | 14 37 26 | 9°13'54 | 11♏ 6 | 2°29 | 3° 5 | 23°54 | 2°53 | 0°21 | 12°59 | 16°32 | 20°15 | 26°11 | 27°11 | 17°40 | n.a. | F 18 |
| S 19 | 14 41 23 | 10°10'55 | 26° 4 | 2°54 | 4°19 | 24°36 | 2°57 | 0°22 | 12°57 | 16°30 | 20°13 | 26°D11 | 27° 8 | 17°46 | n.a. | S 19 |
| S 20 | 14 45 19 | 11° 7'57 | 10♐45 | 3°15 | 5°32 | 25°17 | 3° 1 | 0°23 | 12°55 | 16°29 | 20°12 | 26°11 | 27° 5 | 17°53 | n.a. | S 20 |
| M21 | 14 49 16 | 12° 4'58 | 25° 2 | 3°32 | 6°46 | 25°59 | 3° 5 | 0°24 | 12°54 | 16°28 | 20°10 | 26°12 | 27° 1 | 18° 0 | n.a. | M21 |
| T 22 | 14 53 12 | 13° 2'00 | 8♑54 | 3°44 | 7°59 | 26°41 | 3° 8 | 0°24 | 12°52 | 16°27 | 20° 9 | 26°13 | 26°58 | 18° 7 | n.a. | T 22 |
| W23 | 14 57 9 | 13°59'03 | 22°19 | 3°51 | 9°13 | 27°22 | 3°12 | 0°25 | 12°50 | 16°25 | 20° 7 | 26°14 | 26°55 | 18°13 | n.a. | W23 |
| T 24 | 15 1 5 | 14°56'06 | 5♒19 | 3°R53 | 10°27 | 28° 4 | 3°15 | 0°26 | 12°48 | 16°24 | 20° 6 | 26°15 | 26°52 | 18°20 | n.a. | T 24 |
| F 25 | 15 5 2 | 15°53'10 | 17°57 | 3°51 | 11°40 | 28°45 | 3°18 | 0°26 | 12°46 | 16°23 | 20° 4 | 26°R15 | 26°49 | 18°27 | n.a. | F 25 |
| S 26 | 15 8 59 | 16°50'14 | 0♓18 | 3°44 | 12°54 | 29°26 | 3°21 | 0°26 | 12°44 | 16°21 | 20° 3 | 26°14 | 26°46 | 18°33 | n.a. | S 26 |
| S 27 | 15 12 55 | 17°47'19 | 12°24 | 3°32 | 14° 8 | 0♈ 7 | 3°24 | 0°27 | 12°41 | 16°20 | 20° 2 | 26°14 | 26°42 | 18°40 | n.a. | S 27 |
| M28 | 15 16 52 | 18°44'25 | 24°21 | 3°16 | 15°22 | 0°49 | 3°26 | 0°27 | 12°39 | 16°19 | 20° 0 | 26°13 | 26°39 | 18°47 | n.a. | M28 |
| T 29 | 15 20 48 | 19°41'31 | 6♈12 | 2°56 | 16°35 | 1°30 | 3°28 | 0°R27 | 12°37 | 16°17 | 19°59 | 26°12 | 26°36 | 18°53 | n.a. | T 29 |
| W30 | 15 24 45 | 20°38'38 | 18° 1 | 2°31 | 17°49 | 2°11 | 3°30 | 0°27 | 12°35 | 16°16 | 19°58 | 26°11 | 26°33 | 19° 0 | n.a. | W30 |
| T 31 | 15 28 41 | 21♉35'46 | 29♈51 | 2♊ 3 | 19♉ 3 | 2♈52 | 3♒32 | 0♒27 | 12♐33 | 16♐14 | 19♎56 | 26♏10 | 26♏30 | 19♈ 7 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9n 8 | 3n 2 | 4n28 | 19n 6 | 2n14 | 4n 1 | 1s 0 | 8s22 | 1s13 | 21s23 | 1s 8 | 22s 3 | 1s29 | 23s 6 | 0s14 | 22s45 | 0n30 | 1n52 | 10n55 | 19s46 | 20s 8 | 9n31 | | n.a. |
| W 2 | 9 30 | 7 14 | 3 49 | 19 28 | 2 12 | 4 32 | 0 59 | 8 5 | 1 12 | 21 22 | 1 9 | 22 2 | 1 29 | 23 6 | 0 14 | 22 45 | 0 30 | 1 52 | 10 55 | 19 45 | 20 7 | 9 33 | | n.a. |
| T 3 | 9 51 | 11 10 | 3 1 | 19 48 | 2 8 | 5 3 | 0 57 | 7 48 | 1 12 | 21 20 | 1 9 | 22 2 | 1 29 | 23 6 | 0 15 | 22 45 | 0 30 | 1 53 | 10 55 | 19 44 | 20 6 | 9 35 | | n.a. |
| F 4 | 10 13 | 14 40 | 2 5 | 20 6 | 2 4 | 5 33 | 0 55 | 7 31 | 1 12 | 21 19 | 1 9 | 22 2 | 1 29 | 23 6 | 0 15 | 22 45 | 0 30 | 1 53 | 10 55 | 19 43 | 20 6 | 9 37 | | n.a. |
| S 5 | 10 34 | 17 35 | 1 3 | 20 22 | 2 0 | 6 4 | 0 53 | 7 14 | 1 12 | 21 18 | 1 10 | 22 1 | 1 30 | 23 6 | 0 15 | 22 45 | 0 30 | 1 54 | 10 55 | 19 43 | 20 5 | 9 39 | | n.a. |
| S 6 | 10 54 | 19 46 | 0s 2 | 20 36 | 1 54 | 6 34 | 0 51 | 6 57 | 1 12 | 21 17 | 1 10 | 22 1 | 1 30 | 23 6 | 0 15 | 22 44 | 0 30 | 1 54 | 10 55 | 19 42 | 20 4 | 9 41 | | n.a. |
| M 7 | 11 15 | 21 5 | 1 8 | 20 48 | 1 48 | 7 4 | 0 49 | 6 40 | 1 11 | 21 16 | 1 10 | 22 1 | 1 30 | 23 5 | 0 15 | 22 44 | 0 30 | 1 55 | 10 54 | 19 43 | 20 3 | 9 43 | | n.a. |
| T 8 | 11 36 | 21 25 | 2 12 | 20 58 | 1 41 | 7 34 | 0 47 | 6 22 | 1 11 | 21 15 | 1 11 | 22 0 | 1 30 | 23 5 | 0 15 | 22 44 | 0 30 | 1 55 | 10 54 | 19 43 | 20 3 | 9 45 | | n.a. |
| W 9 | 11 56 | 20 42 | 3 11 | 21 6 | 1 34 | 8 4 | 0 45 | 6 5 | 1 11 | 21 14 | 1 11 | 22 0 | 1 30 | 23 5 | 0 15 | 22 44 | 0 30 | 1 56 | 10 54 | 19 43 | 20 2 | 9 47 | | n.a. |
| T 10 | 12 17 | 18 54 | 4 1 | 21 12 | 1 26 | 8 34 | 0 43 | 5 48 | 1 11 | 21 13 | 1 11 | 22 0 | 1 31 | 23 5 | 0 15 | 22 44 | 0 30 | 1 56 | 10 54 | 19 44 | 20 1 | 9 49 | | n.a. |
| F 11 | 12 37 | 16 6 | 4 41 | 21 17 | 1 17 | 9 3 | 0 41 | 5 31 | 1 10 | 21 12 | 1 12 | 22 0 | 1 31 | 23 5 | 0 15 | 22 44 | 0 30 | 1 56 | 10 54 | 19 44 | 20 0 | 9 51 | | n.a. |
| S 12 | 12 56 | 12 23 | 5 7 | 21 20 | 1 7 | 9 33 | 0 38 | 5 14 | 1 10 | 21 11 | 1 12 | 22 0 | 1 31 | 23 5 | 0 15 | 22 44 | 0 30 | 1 57 | 10 54 | 19 44 | 20 0 | 9 53 | | n.a. |
| S 13 | 13 16 | 7 53 | 5 15 | 21 21 | 0 57 | 10 2 | 0 36 | 4 57 | 1 10 | 21 10 | 1 12 | 22 0 | 1 31 | 23 4 | 0 15 | 22 44 | 0 30 | 1 57 | 10 53 | 19 43 | 19 59 | 9 55 | | n.a. |
| M14 | 13 36 | 2 50 | 5 5 | 21 20 | 0 47 | 10 31 | 0 34 | 4 40 | 1 10 | 21 9 | 1 13 | 21 59 | 1 32 | 23 4 | 0 15 | 22 44 | 0 30 | 1 58 | 10 53 | 19 43 | 19 58 | 9 57 | | n.a. |
| T 15 | 13 55 | 2s30 | 4 34 | 21 18 | 0 35 | 10 59 | 0 32 | 4 22 | 1 9 | 21 8 | 1 13 | 21 59 | 1 32 | 23 4 | 0 15 | 22 44 | 0 30 | 1 58 | 10 53 | 19 42 | 19 57 | 9 59 | | n.a. |
| W16 | 14 14 | 7 49 | 3 45 | 21 14 | 0 23 | 11 28 | 0 30 | 4 5 | 1 9 | 21 8 | 1 13 | 21 59 | 1 32 | 23 4 | 0 15 | 22 43 | 0 30 | 1 58 | 10 53 | 19 42 | 19 57 | 10 1 | | n.a. |
| T 17 | 14 33 | 12 42 | 2 39 | 21 9 | 0 11 | 11 56 | 0 27 | 3 48 | 1 9 | 21 7 | 1 14 | 21 59 | 1 32 | 23 4 | 0 15 | 22 43 | 0 30 | 1 59 | 10 53 | 19 41 | 19 56 | 10 3 | | n.a. |
| F 18 | 14 51 | 16 46 | 1 22 | 21 2 | 0s 2 | 12 24 | 0 25 | 3 31 | 1 8 | 21 6 | 1 14 | 21 59 | 1 33 | 23 3 | 0 15 | 22 43 | 0 30 | 1 59 | 10 52 | 19 41 | 19 55 | 10 5 | | n.a. |
| S 19 | 15 10 | 19 40 | 0 1 | 20 54 | 0 16 | 12 51 | 0 23 | 3 14 | 1 8 | 21 5 | 1 14 | 21 59 | 1 33 | 23 3 | 0 15 | 22 43 | 0 30 | 2 0 | 10 52 | 19 41 | 19 55 | 10 7 | | n.a. |
| S 20 | 15 28 | 21 11 | 1n20 | 20 44 | 0 30 | 13 19 | 0 20 | 2 57 | 1 8 | 21 5 | 1 14 | 21 59 | 1 33 | 23 3 | 0 15 | 22 43 | 0 30 | 2 0 | 10 52 | 19 41 | 19 54 | 10 9 | | n.a. |
| M21 | 15 46 | 21 16 | 2 33 | 20 33 | 0 44 | 13 45 | 0 18 | 2 39 | 1 7 | 21 4 | 1 15 | 21 59 | 1 33 | 23 3 | 0 15 | 22 43 | 0 30 | 2 0 | 10 52 | 19 41 | 19 53 | 10 11 | | n.a. |
| T 22 | 16 4 | 20 2 | 3 35 | 20 21 | 0 59 | 14 12 | 0 16 | 2 22 | 1 7 | 21 4 | 1 15 | 21 59 | 1 34 | 23 2 | 0 15 | 22 43 | 0 30 | 2 1 | 10 51 | 19 42 | 19 52 | 10 13 | | n.a. |
| W23 | 16 21 | 17 42 | 4 23 | 20 8 | 1 14 | 14 38 | 0 13 | 2 5 | 1 7 | 21 3 | 1 15 | 21 59 | 1 34 | 23 2 | 0 15 | 22 43 | 0 30 | 2 1 | 10 51 | 19 42 | 19 52 | 10 15 | | n.a. |
| T 24 | 16 38 | 14 32 | 4 56 | 19 53 | 1 29 | 15 4 | 0 11 | 1 48 | 1 7 | 21 3 | 1 16 | 21 59 | 1 34 | 23 2 | 0 15 | 22 42 | 0 30 | 2 1 | 10 51 | 19 42 | 19 51 | 10 17 | | n.a. |
| F 25 | 16 55 | 10 47 | 5 14 | 19 38 | 1 45 | 15 30 | 0 9 | 1 31 | 1 6 | 21 2 | 1 16 | 22 0 | 1 34 | 23 2 | 0 15 | 22 42 | 0 30 | 2 1 | 10 51 | 19 42 | 19 50 | 10 19 | | n.a. |
| S 26 | 17 12 | 6 40 | 5 16 | 19 21 | 2 0 | 15 55 | 0 6 | 1 14 | 1 6 | 21 2 | 1 17 | 22 0 | 1 35 | 23 1 | 0 15 | 22 42 | 0 30 | 2 2 | 10 50 | 19 42 | 19 49 | 10 21 | | n.a. |
| S 27 | 17 28 | 2 22 | 5 5 | 19 4 | 2 16 | 16 20 | 0 4 | 0 57 | 1 5 | 21 2 | 1 17 | 22 0 | 1 35 | 23 1 | 0 15 | 22 42 | 0 30 | 2 2 | 10 50 | 19 42 | 19 49 | 10 23 | | n.a. |
| M28 | 17 45 | 1n59 | 4 40 | 18 46 | 2 31 | 16 44 | 0 2 | 0 40 | 1 5 | 21 2 | 1 17 | 22 0 | 1 35 | 23 1 | 0 15 | 22 42 | 0 30 | 2 2 | 10 50 | 19 41 | 19 48 | 10 25 | | n.a. |
| T 29 | 18 1 | 6 13 | 4 3 | 18 27 | 2 46 | 17 8 | 0n 1 | 0 23 | 1 5 | 21 1 | 1 18 | 22 0 | 1 35 | 23 1 | 0 15 | 22 42 | 0 30 | 2 3 | 10 50 | 19 41 | 19 47 | 10 27 | | n.a. |
| W30 | 18 16 | 10 13 | 3 16 | 18 9 | 3 0 | 17 32 | 0 3 | 0 6 | 1 4 | 21 1 | 1 18 | 22 1 | 1 36 | 23 0 | 0 15 | 22 42 | 0 30 | 2 3 | 10 49 | 19 41 | 19 46 | 10 29 | | n.a. |
| T 31 | 18n31 | 13n50 | 2n21 | 17n49 | 3s14 | 17n55 | 0n 5 | 0n11 | 1s 4 | 21s 1 | 1s18 | 22s 1 | 1s36 | 23s 0 | 0s15 | 22s41 | 0n30 | 2n 3 | 10n49 | 19s41 | 19s46 | 10n31 | | n.a. |

Julian Day Number = 1008210.5, Delta T = 12h43m07s
Ecliptic obliquity = 23°55'05, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'47, Lahiri = -30°52'46 Julian Calendar 1 May 1953 BCE == Greg. Calendar 14 Apr. 1953 BCE

The year -1952 astronomical counting style corresponds to year 1953 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## JUNE 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 15 32 38 | 22♉32'54 | 11♉44 | 1°R31 | 20♉17 | 3♈33 | 3♒34 | 0°R26 | 12°R31 | 16°R13 | 19°R55 | 26°R10 | 26♏26 | 19♈13 | n.a. | F 1 |
| S 2 | 15 36 35 | 23°30'03 | 23°44 | 0♊56 | 21°31 | 4°13 | 3°36 | 0♒26 | 12♐29 | 16♐11 | 19♎54 | 26°D10 | 26°23 | 19°20 | n.a. | S 2 |
| S 3 | 15 40 31 | 24°27'13 | 5♊51 | 0°19 | 22°44 | 4°54 | 3°37 | 0°26 | 12°26 | 16°10 | 19°53 | 26♏10 | 26°20 | 19°27 | n.a. | S 3 |
| M 4 | 15 44 28 | 25°24'24 | 18° 8 | 29♉39 | 23°58 | 5°35 | 3°38 | 0°25 | 12°24 | 16° 8 | 19°51 | 26°10 | 26°17 | 19°33 | n.a. | M 4 |
| T 5 | 15 48 24 | 26°21'35 | 0♋37 | 28°59 | 25°12 | 6°15 | 3°39 | 0°24 | 12°22 | 16° 7 | 19°50 | 26°R10 | 26°14 | 19°40 | n.a. | T 5 |
| W 6 | 15 52 21 | 27°18'46 | 13°19 | 28°17 | 26°26 | 6°56 | 3°40 | 0°24 | 12°19 | 16° 5 | 19°49 | 26°10 | 26°11 | 19°47 | n.a. | W 6 |
| T 7 | 15 56 17 | 28°15'59 | 26°15 | 27°36 | 27°40 | 7°36 | 3°40 | 0°23 | 12°17 | 16° 4 | 19°48 | 26°10 | 26° 7 | 19°53 | n.a. | T 7 |
| F 8 | 16 0 14 | 29°13'11 | 9♌29 | 26°56 | 28°54 | 8°16 | 3°41 | 0°22 | 12°15 | 16° 2 | 19°47 | 26°10 | 26° 4 | 20° 0 | n.a. | F 8 |
| S 9 | 16 4 11 | 0♊10'25 | 23° 0 | 26°17 | 0♊ 8 | 8°57 | 3°R41 | 0°21 | 12°13 | 16° 1 | 19°45 | 26°10 | 26° 1 | 20° 7 | n.a. | S 9 |
| S 10 | 16 8 7 | 1° 7'39 | 6♍50 | 25°41 | 1°22 | 9°37 | 3°41 | 0°20 | 12°10 | 15°59 | 19°44 | 26°D10 | 25°58 | 20°13 | n.a. | S 10 |
| M11 | 16 12 4 | 2° 4'53 | 20°58 | 25° 7 | 2°36 | 10°17 | 3°40 | 0°18 | 12° 8 | 15°58 | 19°43 | 26°10 | 25°55 | 20°20 | n.a. | M11 |
| T 12 | 16 16 0 | 3° 2'08 | 5♎23 | 24°37 | 3°50 | 10°57 | 3°40 | 0°17 | 12° 6 | 15°56 | 19°42 | 26°10 | 25°52 | 20°27 | n.a. | T 12 |
| W13 | 16 19 57 | 3°59'24 | 20° 2 | 24°12 | 5° 4 | 11°37 | 3°39 | 0°15 | 12° 3 | 15°54 | 19°41 | 26°11 | 25°48 | 20°33 | n.a. | W13 |
| T 14 | 16 23 53 | 4°56'40 | 4♏49 | 23°51 | 6°18 | 12°17 | 3°39 | 0°14 | 12° 1 | 15°53 | 19°40 | 26°11 | 25°45 | 20°40 | n.a. | T 14 |
| F 15 | 16 27 50 | 5°53'58 | 19°39 | 23°35 | 7°32 | 12°56 | 3°38 | 0°12 | 11°58 | 15°51 | 19°39 | 26°R12 | 25°42 | 20°47 | n.a. | F 15 |
| S 16 | 16 31 46 | 6°51'16 | 4♐24 | 23°25 | 8°46 | 13°36 | 3°36 | 0°11 | 11°56 | 15°50 | 19°38 | 26°12 | 25°39 | 20°53 | n.a. | S 16 |
| S 17 | 16 35 43 | 7°48'36 | 18°57 | 23°D20 | 10° 0 | 14°15 | 3°35 | 0° 9 | 11°54 | 15°48 | 19°37 | 26°11 | 25°36 | 21° 0 | n.a. | S 17 |
| M18 | 16 39 40 | 8°45'57 | 3♑12 | 23°22 | 11°14 | 14°55 | 3°33 | 0° 7 | 11°51 | 15°46 | 19°36 | 26°10 | 25°32 | 21° 7 | n.a. | M18 |
| T 19 | 16 43 36 | 9°43'19 | 17° 5 | 23°30 | 12°28 | 15°34 | 3°32 | 0° 5 | 11°49 | 15°45 | 19°35 | 26° 9 | 25°29 | 21°13 | n.a. | T 19 |
| W20 | 16 47 33 | 10°40'43 | 0♒33 | 23°45 | 13°42 | 16°14 | 3°30 | 0° 3 | 11°47 | 15°43 | 19°35 | 26° 7 | 25°26 | 21°20 | n.a. | W20 |
| T 21 | 16 51 29 | 11°38'07 | 13°37 | 24° 6 | 14°56 | 16°53 | 3°27 | 0° 0 | 11°44 | 15°42 | 19°34 | 26° 5 | 25°23 | 21°27 | n.a. | T 21 |
| F 22 | 16 55 26 | 12°35'34 | 26°19 | 24°33 | 16°10 | 17°32 | 3°25 | 29♑58 | 11°42 | 15°40 | 19°33 | 26° 4 | 25°20 | 21°33 | n.a. | F 22 |
| S 23 | 16 59 22 | 13°33'02 | 8♓41 | 25° 7 | 17°25 | 18°11 | 3°23 | 29°56 | 11°39 | 15°38 | 19°32 | 26°D 3 | 25°17 | 21°40 | n.a. | S 23 |
| S 24 | 17 3 19 | 14°30'31 | 20°48 | 25°48 | 18°39 | 18°50 | 3°20 | 29°53 | 11°37 | 15°37 | 19°31 | 26° 3 | 25°13 | 21°47 | n.a. | S 24 |
| M25 | 17 7 15 | 15°28'02 | 2♈45 | 26°35 | 19°53 | 19°29 | 3°17 | 29°51 | 11°35 | 15°35 | 19°31 | 26° 4 | 25°10 | 21°53 | n.a. | M25 |
| T 26 | 17 11 12 | 16°25'35 | 14°35 | 27°29 | 21° 7 | 20° 8 | 3°14 | 29°48 | 11°32 | 15°33 | 19°30 | 26° 5 | 25° 7 | 22° 0 | n.a. | T 26 |
| W27 | 17 15 9 | 17°23'09 | 26°25 | 28°28 | 22°21 | 20°46 | 3°10 | 29°45 | 11°30 | 15°32 | 19°29 | 26° 7 | 25° 4 | 22° 7 | n.a. | W27 |
| T 28 | 17 19 5 | 18°20'45 | 8♉17 | 29°34 | 23°36 | 21°25 | 3° 7 | 29°42 | 11°27 | 15°30 | 19°29 | 26° 8 | 25° 1 | 22°13 | n.a. | T 28 |
| F 29 | 17 23 2 | 19°18'22 | 20°16 | 0♊46 | 24°50 | 22° 4 | 3° 3 | 29°39 | 11°25 | 15°29 | 19°28 | 26°R 9 | 24°58 | 22°20 | n.a. | F 29 |
| S 30 | 17 26 58 | 20♊16'01 | 2♊24 | 2♊ 3 | 26♊ 4 | 22♈42 | 2♒59 | 29♑36 | 11♐23 | 15♐27 | 19♎28 | 26♏ 9 | 24♏54 | 22♈27 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 18n46 | 16n55 | 1n19 | 17n30 | 3s27 | 18n18 | 0n 8 | 0n28 | 1s 4 | 21s 1 | 1s19 | 22s 1 | 1s36 | 23s 0 | 0s15 | 22s41 | 0n30 | 2n 3 | 10n49 | 19s41 | 19s45 | 10n33 | | n.a. |
| S 2 | 19 1 | 19 18 | 0 14 | 17 11 | 3 39 | 18 40 | 0 10 | 0 45 | 1 3 | 21 1 | 1 19 | 22 1 | 1 36 | 22 59 | 0 15 | 22 41 | 0 30 | 2 3 | 10 49 | 19 41 | 19 44 | 10 35 | | n.a. |
| S 3 | 19 16 | 20 50 | 0s54 | 16 53 | 3 50 | 19 2 | 0 12 | 1 2 | 1 3 | 21 1 | 1 19 | 22 2 | 1 36 | 22 59 | 0 15 | 22 41 | 0 30 | 2 4 | 10 48 | 19 41 | 19 43 | 10 37 | | n.a. |
| M 4 | 19 30 | 21 24 | 1 59 | 16 35 | 4 0 | 19 23 | 0 15 | 1 18 | 1 2 | 21 1 | 1 20 | 22 2 | 1 37 | 22 59 | 0 15 | 22 41 | 0 30 | 2 4 | 10 48 | 19 41 | 19 42 | 10 38 | | n.a. |
| T 5 | 19 44 | 20 55 | 3 0 | 16 18 | 4 8 | 19 43 | 0 17 | 1 35 | 1 2 | 21 1 | 1 20 | 22 3 | 1 37 | 22 59 | 0 15 | 22 41 | 0 30 | 2 4 | 10 48 | 19 41 | 19 42 | 10 40 | | n.a. |
| W 6 | 19 57 | 19 22 | 3 53 | 16 2 | 4 15 | 20 3 | 0 19 | 1 52 | 1 2 | 21 1 | 1 20 | 22 3 | 1 37 | 22 58 | 0 15 | 22 41 | 0 30 | 2 4 | 10 47 | 19 41 | 19 41 | 10 42 | | n.a. |
| T 7 | 20 10 | 16 49 | 4 35 | 15 47 | 4 21 | 20 23 | 0 22 | 2 9 | 1 1 | 21 1 | 1 21 | 22 3 | 1 37 | 22 58 | 0 15 | 22 40 | 0 30 | 2 4 | 10 47 | 19 41 | 19 40 | 10 44 | | n.a. |
| F 8 | 20 23 | 13 21 | 5 4 | 15 34 | 4 25 | 20 42 | 0 24 | 2 25 | 1 1 | 21 2 | 1 21 | 22 4 | 1 38 | 22 58 | 0 15 | 22 40 | 0 30 | 2 4 | 10 47 | 19 41 | 19 39 | 10 46 | | n.a. |
| S 9 | 20 36 | 9 8 | 5 17 | 15 23 | 4 27 | 21 1 | 0 26 | 2 42 | 1 0 | 21 2 | 1 21 | 22 4 | 1 38 | 22 57 | 0 15 | 22 40 | 0 30 | 2 5 | 10 46 | 19 41 | 19 39 | 10 48 | | n.a. |
| S 10 | 20 48 | 4 22 | 5 12 | 15 14 | 4 28 | 21 19 | 0 28 | 2 58 | 1 0 | 21 2 | 1 22 | 22 5 | 1 38 | 22 57 | 0 15 | 22 40 | 0 30 | 2 5 | 10 46 | 19 41 | 19 38 | 10 50 | | n.a. |
| M11 | 20 59 | 0s45 | 4 48 | 15 7 | 4 27 | 21 36 | 0 31 | 3 15 | 0 59 | 21 3 | 1 22 | 22 5 | 1 38 | 22 57 | 0 15 | 22 40 | 0 30 | 2 5 | 10 46 | 19 41 | 19 37 | 10 52 | | n.a. |
| T 12 | 21 11 | 5 56 | 4 6 | 15 2 | 4 24 | 21 53 | 0 33 | 3 31 | 0 59 | 21 3 | 1 22 | 22 6 | 1 39 | 22 57 | 0 15 | 22 40 | 0 30 | 2 5 | 10 45 | 19 41 | 19 36 | 10 54 | | n.a. |
| W13 | 21 22 | 10 52 | 3 8 | 15 0 | 4 20 | 22 9 | 0 35 | 3 47 | 0 58 | 21 4 | 1 23 | 22 6 | 1 39 | 22 56 | 0 15 | 22 39 | 0 30 | 2 5 | 10 45 | 19 41 | 19 36 | 10 56 | | n.a. |
| T 14 | 21 33 | 15 12 | 1 56 | 15 0 | 4 14 | 22 24 | 0 37 | 4 4 | 0 58 | 21 4 | 1 23 | 22 7 | 1 39 | 22 56 | 0 15 | 22 39 | 0 30 | 2 5 | 10 45 | 19 41 | 19 35 | 10 58 | | n.a. |
| F 15 | 21 43 | 18 35 | 0 36 | 15 3 | 4 7 | 22 39 | 0 39 | 4 20 | 0 57 | 21 5 | 1 23 | 22 8 | 1 39 | 22 56 | 0 15 | 22 39 | 0 30 | 2 5 | 10 44 | 19 41 | 19 34 | 11 0 | | n.a. |
| S 16 | 21 53 | 20 42 | 0n45 | 15 9 | 3 59 | 22 53 | 0 41 | 4 36 | 0 57 | 21 5 | 1 24 | 22 8 | 1 40 | 22 55 | 0 15 | 22 39 | 0 30 | 2 5 | 10 44 | 19 41 | 19 33 | 11 1 | | n.a. |
| S 17 | 22 3 | 21 24 | 2 3 | 15 17 | 3 50 | 23 7 | 0 43 | 4 52 | 0 56 | 21 6 | 1 24 | 22 9 | 1 40 | 22 55 | 0 15 | 22 39 | 0 30 | 2 5 | 10 44 | 19 41 | 19 33 | 11 3 | | n.a. |
| M18 | 22 12 | 20 42 | 3 11 | 15 27 | 3 39 | 23 19 | 0 45 | 5 8 | 0 56 | 21 7 | 1 24 | 22 9 | 1 40 | 22 55 | 0 15 | 22 39 | 0 30 | 2 5 | 10 43 | 19 41 | 19 32 | 11 5 | | n.a. |
| T 19 | 22 21 | 18 44 | 4 6 | 15 40 | 3 28 | 23 32 | 0 47 | 5 24 | 0 55 | 21 8 | 1 25 | 22 10 | 1 40 | 22 54 | 0 15 | 22 38 | 0 30 | 2 5 | 10 43 | 19 40 | 19 31 | 11 7 | | n.a. |
| W20 | 22 30 | 15 47 | 4 46 | 15 56 | 3 15 | 23 43 | 0 49 | 5 40 | 0 55 | 21 8 | 1 25 | 22 11 | 1 40 | 22 54 | 0 15 | 22 38 | 0 30 | 2 5 | 10 42 | 19 40 | 19 30 | 11 9 | | n.a. |
| T 21 | 22 38 | 12 8 | 5 9 | 16 14 | 3 2 | 23 54 | 0 51 | 5 56 | 0 54 | 21 9 | 1 25 | 22 11 | 1 41 | 22 54 | 0 15 | 22 38 | 0 30 | 2 5 | 10 42 | 19 40 | 19 29 | 11 11 | | n.a. |
| F 22 | 22 46 | 8 3 | 5 16 | 16 34 | 2 49 | 24 4 | 0 53 | 6 11 | 0 54 | 21 10 | 1 26 | 22 12 | 1 41 | 22 53 | 0 15 | 22 38 | 0 30 | 2 5 | 10 42 | 19 39 | 19 29 | 11 13 | | n.a. |
| S 23 | 22 53 | 3 43 | 5 9 | 16 56 | 2 35 | 24 13 | 0 55 | 6 27 | 0 53 | 21 11 | 1 26 | 22 13 | 1 41 | 22 53 | 0 15 | 22 38 | 0 30 | 2 5 | 10 41 | 19 39 | 19 28 | 11 15 | | n.a. |
| S 24 | 23 0 | 0n40 | 4 47 | 17 19 | 2 20 | 24 22 | 0 57 | 6 43 | 0 53 | 21 12 | 1 26 | 22 14 | 1 41 | 22 53 | 0 15 | 22 38 | 0 30 | 2 5 | 10 41 | 19 39 | 19 27 | 11 17 | | n.a. |
| M25 | 23 6 | 4 59 | 4 14 | 17 45 | 2 6 | 24 30 | 0 59 | 6 58 | 0 52 | 21 13 | 1 27 | 22 14 | 1 42 | 22 52 | 0 15 | 22 37 | 0 30 | 2 5 | 10 40 | 19 39 | 19 26 | 11 18 | | n.a. |
| T 26 | 23 13 | 9 4 | 3 30 | 18 12 | 1 51 | 24 37 | 1 0 | 7 13 | 0 52 | 21 14 | 1 27 | 22 15 | 1 42 | 22 52 | 0 15 | 22 37 | 0 30 | 2 5 | 10 40 | 19 40 | 19 26 | 11 20 | | n.a. |
| W27 | 23 18 | 12 49 | 2 37 | 18 40 | 1 36 | 24 43 | 1 2 | 7 29 | 0 51 | 21 15 | 1 27 | 22 16 | 1 42 | 22 52 | 0 15 | 22 37 | 0 30 | 2 4 | 10 40 | 19 40 | 19 25 | 11 22 | | n.a. |
| T 28 | 23 24 | 16 4 | 1 37 | 19 9 | 1 21 | 24 49 | 1 4 | 7 44 | 0 51 | 21 16 | 1 28 | 22 17 | 1 42 | 22 51 | 0 15 | 22 37 | 0 30 | 2 4 | 10 39 | 19 40 | 19 24 | 11 24 | | n.a. |
| F 29 | 23 29 | 18 41 | 0 32 | 19 38 | 1 6 | 24 54 | 1 5 | 7 59 | 0 50 | 21 18 | 1 28 | 22 18 | 1 42 | 22 51 | 0 15 | 22 37 | 0 30 | 2 4 | 10 39 | 19 41 | 19 23 | 11 26 | | n.a. |
| S 30 | 23n33 | 20n30 | 0s34 | 20n 8 | 0s52 | 24n58 | 1n 7 | 8n14 | 0s49 | 21s19 | 1s28 | 22s19 | 1s43 | 22s51 | 0s15 | 22s37 | 0n30 | 2n 4 | 10n38 | 19s41 | 19s22 | 11n28 | | n.a. |

Julian Day Number = 1008241.5, Delta T = 12h43m05s
Ecliptic obliquity = 23°55'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'43, Lahiri = -30°52'42 Julian Calendar 1 June 1953 BCE == Greg. Calendar 15 May 1953 BCE


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## JULY 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 17 30 55 | 21♊13'42 | 14♊45 | 3♊26 | 27♊18 | 23♈20 | 2°R55 | 29°R33 | 11°R20 | 15°R25 | 19°R27 | 26°R 8 | 24♏51 | 22♈33 | n.a. | S 1 |
| M 2 | 17 34 51 | 22°11'24 | 27°19 | 4°53 | 28°33 | 23°59 | 2♒51 | 29♉30 | 11♐18 | 15♐24 | 19♎27 | 26♏ 5 | 24°48 | 22°40 | n.a. | M 2 |
| T 3 | 17 38 48 | 23° 9'08 | 10♋ 7 | 6°26 | 29°47 | 24°37 | 2°47 | 29°27 | 11°16 | 15°22 | 19°26 | 26° 2 | 24°45 | 22°47 | n.a. | T 3 |
| W 4 | 17 42 45 | 24° 6'54 | 23°10 | 8° 2 | 1♋ 1 | 25°15 | 2°42 | 29°24 | 11°13 | 15°20 | 19°26 | 25°58 | 24°42 | 22°53 | n.a. | W 4 |
| T 5 | 17 46 41 | 25° 4'41 | 6♌26 | 9°43 | 2°16 | 25°53 | 2°37 | 29°20 | 11°11 | 15°19 | 19°25 | 25°53 | 24°38 | 23° 0 | n.a. | T 5 |
| F 6 | 17 50 38 | 26° 2'29 | 19°56 | 11°27 | 3°30 | 26°30 | 2°33 | 29°17 | 11° 9 | 15°17 | 19°25 | 25°49 | 24°35 | 23° 7 | n.a. | F 6 |
| S 7 | 17 54 34 | 27° 0'18 | 3♍38 | 13°15 | 4°44 | 27° 8 | 2°27 | 29°13 | 11° 6 | 15°16 | 19°24 | 25°46 | 24°32 | 23°13 | n.a. | S 7 |
| S 8 | 17 58 31 | 27°58'09 | 17°31 | 15° 5 | 5°59 | 27°46 | 2°22 | 29°10 | 11° 4 | 15°14 | 19°24 | 25°44 | 24°29 | 23°20 | n.a. | S 8 |
| M 9 | 18 2 27 | 28°56'02 | 1♎34 | 16°58 | 7°13 | 28°23 | 2°17 | 29° 6 | 11° 2 | 15°13 | 19°24 | 25°D44 | 24°26 | 23°27 | n.a. | M 9 |
| T 10 | 18 6 24 | 29°53'55 | 15°45 | 18°53 | 8°28 | 29° 1 | 2°11 | 29° 2 | 11° 0 | 15°11 | 19°24 | 25°45 | 24°23 | 23°33 | n.a. | T 10 |
| W11 | 18 10 20 | 0♋51'51 | 0♏ 4 | 20°49 | 9°42 | 29°38 | 2° 6 | 28°59 | 10°58 | 15° 9 | 19°23 | 25°46 | 24°19 | 23°40 | n.a. | W11 |
| T 12 | 18 14 17 | 1°49'47 | 14°27 | 22°46 | 10°56 | 0♉15 | 2° 0 | 28°55 | 10°55 | 15° 8 | 19°23 | 25°47 | 24°16 | 23°47 | n.a. | T 12 |
| F 13 | 18 18 13 | 2°47'46 | 28°52 | 24°44 | 12°11 | 0°52 | 1°54 | 28°51 | 10°53 | 15° 6 | 19°23 | 25°R48 | 24°13 | 23°53 | n.a. | F 13 |
| S 14 | 18 22 10 | 3°45'46 | 13♐13 | 26°43 | 13°25 | 1°29 | 1°48 | 28°47 | 10°51 | 15° 5 | 19°23 | 25°46 | 24°10 | 24° 0 | n.a. | S 14 |
| S 15 | 18 26 7 | 4°43'48 | 27°26 | 28°41 | 14°40 | 2° 6 | 1°42 | 28°43 | 10°49 | 15° 3 | 19°23 | 25°43 | 24° 7 | 24° 7 | n.a. | S 15 |
| M16 | 18 30 3 | 5°41'51 | 11♑27 | 0♋40 | 15°54 | 2°43 | 1°35 | 28°39 | 10°47 | 15° 2 | 19°23 | 25°39 | 24° 4 | 24°13 | n.a. | M16 |
| T 17 | 18 34 0 | 6°39'57 | 25°11 | 2°39 | 17° 9 | 3°20 | 1°29 | 28°35 | 10°45 | 15° 0 | 19°23 | 25°32 | 24° 0 | 24°20 | n.a. | T 17 |
| W18 | 18 37 56 | 7°38'04 | 8♒34 | 4°37 | 18°23 | 3°56 | 1°22 | 28°30 | 10°43 | 14°59 | 19°D23 | 25°25 | 23°57 | 24°27 | n.a. | W18 |
| T 19 | 18 41 53 | 8°36'13 | 21°37 | 6°34 | 19°38 | 4°33 | 1°15 | 28°26 | 10°41 | 14°57 | 19°23 | 25°18 | 23°54 | 24°33 | n.a. | T 19 |
| F 20 | 18 45 49 | 9°34'25 | 4♓19 | 8°31 | 20°52 | 5° 9 | 1° 8 | 28°22 | 10°39 | 14°56 | 19°23 | 25°12 | 23°51 | 24°40 | n.a. | F 20 |
| S 21 | 18 49 46 | 10°32'39 | 16°42 | 10°27 | 22° 7 | 5°46 | 1° 1 | 28°18 | 10°37 | 14°54 | 19°23 | 25° 8 | 23°48 | 24°47 | n.a. | S 21 |
| S 22 | 18 53 42 | 11°30'54 | 28°49 | 12°22 | 23°21 | 6°22 | 0°54 | 28°13 | 10°35 | 14°53 | 19°23 | 25° 5 | 23°44 | 24°53 | n.a. | S 22 |
| M23 | 18 57 39 | 12°29'13 | 10♈46 | 14°15 | 24°36 | 6°58 | 0°47 | 28° 9 | 10°33 | 14°52 | 19°23 | 25°D 4 | 23°41 | 25° 0 | n.a. | M23 |
| T 24 | 19 1 36 | 13°27'33 | 22°36 | 16° 8 | 25°50 | 7°34 | 0°40 | 28° 4 | 10°31 | 14°50 | 19°23 | 25° 4 | 23°38 | 25° 7 | n.a. | T 24 |
| W25 | 19 5 32 | 14°25'56 | 4♉26 | 18° 0 | 27° 5 | 8° 9 | 0°33 | 28° 0 | 10°29 | 14°49 | 19°24 | 25° 6 | 23°35 | 25°13 | n.a. | W25 |
| T 26 | 19 9 29 | 15°24'21 | 16°20 | 19°51 | 28°19 | 8°45 | 0°25 | 27°55 | 10°27 | 14°48 | 19°24 | 25° 7 | 23°32 | 25°20 | n.a. | T 26 |
| F 27 | 19 13 25 | 16°22'48 | 28°22 | 21°41 | 29°34 | 9°21 | 0°18 | 27°51 | 10°25 | 14°46 | 19°24 | 25°R 7 | 23°29 | 25°27 | n.a. | F 27 |
| S 28 | 19 17 22 | 17°21'17 | 10♊38 | 23°29 | 0♌48 | 9°56 | 0°10 | 27°46 | 10°24 | 14°45 | 19°24 | 25° 6 | 23°25 | 25°33 | n.a. | S 28 |
| S 29 | 19 21 18 | 18°19'49 | 23°11 | 25°17 | 2° 3 | 10°31 | 0° 2 | 27°42 | 10°22 | 14°44 | 19°25 | 25° 2 | 23°22 | 25°40 | n.a. | S 29 |
| M30 | 19 25 15 | 19°18'23 | 6♋ 1 | 27° 3 | 3°18 | 11° 6 | 29♑55 | 27°37 | 10°20 | 14°42 | 19°25 | 24°56 | 23°19 | 25°47 | n.a. | M30 |
| T 31 | 19 29 11 | 20♋17'00 | 19♋11 | 28♋49 | 4♌32 | 11♉41 | 29♑47 | 27♑32 | 10♐19 | 14♐41 | 19♎26 | 24♏48 | 23♏16 | 25♈53 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| S 1 | 23n37 | 21n22 | 1s41 | 20n39 | 0s37 | 25n 2 | 1n 8 | 8n29 | 0s49 | 21s20 | 1s29 | 22s19 | 1s43 | 22s50 | 0s15 | 22s36 | 0n30 | 2n 4 | 10n38 | 19s40 | 19s22 | 11n30 | | | n.a. |
| M 2 | 23 41 | 21 10 | 2 43 | 21 9 | 0 24 | 25 4 | 1 10 | 8 44 | 0 48 | 21 21 | 1 29 | 22 20 | 1 43 | 22 50 | 0 15 | 22 36 | 0 30 | 2 4 | 10 38 | 19 40 | 19 21 | 11 32 | | | n.a. |
| T 3 | 23 44 | 19 54 | 3 38 | 21 39 | 0 10 | 25 6 | 1 11 | 8 59 | 0 48 | 21 23 | 1 29 | 22 21 | 1 43 | 22 50 | 0 15 | 22 36 | 0 30 | 2 3 | 10 37 | 19 39 | 19 20 | 11 33 | | | n.a. |
| W 4 | 23 47 | 17 34 | 4 23 | 22 8 | 0n 3 | 25 7 | 1 12 | 9 14 | 0 47 | 21 24 | 1 30 | 22 22 | 1 43 | 22 49 | 0 15 | 22 36 | 0 30 | 2 3 | 10 37 | 19 38 | 19 19 | 11 35 | | | n.a. |
| T 5 | 23 49 | 14 17 | 4 55 | 22 36 | 0 15 | 25 8 | 1 14 | 9 28 | 0 46 | 21 25 | 1 30 | 22 23 | 1 44 | 22 49 | 0 15 | 22 36 | 0 30 | 2 3 | 10 36 | 19 37 | 19 18 | 11 37 | | | n.a. |
| F 6 | 23 51 | 10 13 | 5 11 | 23 3 | 0 27 | 25 7 | 1 15 | 9 43 | 0 46 | 21 27 | 1 30 | 22 24 | 1 44 | 22 49 | 0 15 | 22 36 | 0 30 | 2 3 | 10 36 | 19 36 | 19 18 | 11 39 | | | n.a. |
| S 7 | 23 53 | 5 34 | 5 10 | 23 28 | 0 38 | 25 6 | 1 16 | 9 57 | 0 45 | 21 28 | 1 31 | 22 25 | 1 44 | 22 49 | 0 15 | 22 36 | 0 30 | 2 2 | 10 36 | 19 35 | 19 17 | 11 41 | | | n.a. |
| S 8 | 23 54 | 0 35 | 4 51 | 23 51 | 0 48 | 25 4 | 1 17 | 10 12 | 0 45 | 21 30 | 1 31 | 22 26 | 1 44 | 22 48 | 0 15 | 22 35 | 0 30 | 2 2 | 10 35 | 19 35 | 19 16 | 11 43 | | | n.a. |
| M 9 | 23 55 | 4s30 | 4 14 | 24 13 | 0 57 | 25 1 | 1 18 | 10 26 | 0 44 | 21 31 | 1 31 | 22 27 | 1 44 | 22 48 | 0 15 | 22 35 | 0 30 | 2 2 | 10 35 | 19 34 | 19 15 | 11 44 | | | n.a. |
| T 10 | 23 55 | 9 24 | 3 21 | 24 32 | 1 6 | 24 58 | 1 19 | 10 40 | 0 43 | 21 33 | 1 31 | 22 28 | 1 44 | 22 48 | 0 15 | 22 35 | 0 30 | 2 2 | 10 34 | 19 35 | 19 14 | 11 46 | | | n.a. |
| W11 | 23 55 | 13 50 | 2 16 | 24 49 | 1 14 | 24 53 | 1 20 | 10 54 | 0 43 | 21 35 | 1 32 | 22 29 | 1 45 | 22 47 | 0 15 | 22 35 | 0 30 | 2 1 | 10 34 | 19 35 | 19 14 | 11 48 | | | n.a. |
| T 12 | 23 54 | 17 28 | 1 1 | 25 3 | 1 21 | 24 48 | 1 21 | 11 8 | 0 42 | 21 36 | 1 32 | 22 30 | 1 45 | 22 47 | 0 15 | 22 35 | 0 30 | 2 1 | 10 33 | 19 35 | 19 13 | 11 50 | | | n.a. |
| F 13 | 23 53 | 20 2 | 0n17 | 25 15 | 1 27 | 24 42 | 1 22 | 11 22 | 0 41 | 21 38 | 1 32 | 22 31 | 1 45 | 22 47 | 0 15 | 22 35 | 0 30 | 2 1 | 10 33 | 19 35 | 19 12 | 11 52 | | | n.a. |
| S 14 | 23 52 | 21 18 | 1 33 | 25 24 | 1 32 | 24 36 | 1 23 | 11 36 | 0 41 | 21 39 | 1 33 | 22 32 | 1 45 | 22 46 | 0 15 | 22 34 | 0 30 | 2 0 | 10 33 | 19 35 | 19 11 | 11 53 | | | n.a. |
| S 15 | 23 50 | 21 10 | 2 44 | 25 31 | 1 36 | 24 28 | 1 23 | 11 49 | 0 40 | 21 41 | 1 33 | 22 33 | 1 45 | 22 46 | 0 15 | 22 34 | 0 30 | 2 0 | 10 32 | 19 34 | 19 11 | 11 55 | | | n.a. |
| M16 | 23 47 | 19 43 | 3 43 | 25 35 | 1 40 | 24 20 | 1 24 | 12 3 | 0 39 | 21 43 | 1 33 | 22 34 | 1 45 | 22 46 | 0 15 | 22 34 | 0 30 | 2 0 | 10 32 | 19 33 | 19 10 | 11 57 | | | n.a. |
| T 17 | 23 45 | 17 9 | 4 27 | 25 37 | 1 43 | 24 11 | 1 25 | 12 16 | 0 39 | 21 45 | 1 33 | 22 35 | 1 46 | 22 45 | 0 15 | 22 34 | 0 30 | 1 59 | 10 31 | 19 32 | 19 9 | 11 59 | | | n.a. |
| W18 | 23 42 | 13 43 | 4 56 | 25 36 | 1 46 | 24 2 | 1 25 | 12 29 | 0 38 | 21 46 | 1 33 | 22 36 | 1 46 | 22 45 | 0 15 | 22 34 | 0 30 | 1 59 | 10 31 | 19 30 | 19 8 | 12 1 | | | n.a. |
| T 19 | 23 38 | 9 43 | 5 9 | 25 32 | 1 47 | 23 51 | 1 25 | 12 43 | 0 37 | 21 48 | 1 34 | 22 37 | 1 46 | 22 45 | 0 15 | 22 34 | 0 30 | 1 58 | 10 30 | 19 28 | 19 7 | 12 3 | | | n.a. |
| F 20 | 23 34 | 5 23 | 5 5 | 25 26 | 1 48 | 23 40 | 1 26 | 12 56 | 0 36 | 21 50 | 1 34 | 22 38 | 1 46 | 22 45 | 0 15 | 22 34 | 0 29 | 1 58 | 10 30 | 19 27 | 19 7 | 12 4 | | | n.a. |
| S 21 | 23 29 | 0 57 | 4 48 | 25 18 | 1 48 | 23 29 | 1 26 | 13 9 | 0 36 | 21 52 | 1 34 | 22 39 | 1 46 | 22 44 | 0 15 | 22 33 | 0 29 | 1 57 | 10 29 | 19 26 | 19 6 | 12 6 | | | n.a. |
| S 22 | 23 24 | 3n27 | 4 18 | 25 7 | 1 48 | 23 16 | 1 26 | 13 22 | 0 35 | 21 53 | 1 34 | 22 40 | 1 46 | 22 44 | 0 15 | 22 33 | 0 29 | 1 57 | 10 29 | 19 25 | 19 5 | 12 8 | | | n.a. |
| M23 | 23 19 | 7 39 | 3 37 | 24 55 | 1 47 | 23 3 | 1 27 | 13 34 | 0 34 | 21 55 | 1 35 | 22 41 | 1 47 | 22 44 | 0 15 | 22 33 | 0 29 | 1 57 | 10 29 | 19 25 | 19 4 | 12 10 | | | n.a. |
| T 24 | 23 13 | 11 32 | 2 46 | 24 40 | 1 46 | 22 49 | 1 27 | 13 47 | 0 33 | 21 57 | 1 35 | 22 42 | 1 47 | 22 43 | 0 15 | 22 33 | 0 29 | 1 56 | 10 28 | 19 25 | 19 3 | 12 11 | | | n.a. |
| W25 | 23 7 | 14 58 | 1 49 | 24 24 | 1 44 | 22 35 | 1 27 | 13 59 | 0 33 | 21 59 | 1 35 | 22 43 | 1 47 | 22 43 | 0 15 | 22 33 | 0 29 | 1 56 | 10 28 | 19 25 | 19 2 | 12 13 | | | n.a. |
| T 26 | 23 0 | 17 48 | 0 47 | 24 5 | 1 42 | 22 19 | 1 27 | 14 12 | 0 32 | 22 1 | 1 35 | 22 44 | 1 47 | 22 43 | 0 15 | 22 33 | 0 29 | 1 55 | 10 27 | 19 25 | 19 2 | 12 15 | | | n.a. |
| F 27 | 22 53 | 19 55 | 0s18 | 23 45 | 1 39 | 22 4 | 1 27 | 14 24 | 0 31 | 22 3 | 1 35 | 22 45 | 1 47 | 22 43 | 0 15 | 22 33 | 0 29 | 1 55 | 10 27 | 19 26 | 19 1 | 12 17 | | | n.a. |
| S 28 | 22 46 | 21 8 | 1 23 | 23 24 | 1 36 | 21 47 | 1 26 | 14 36 | 0 30 | 22 4 | 1 36 | 22 46 | 1 47 | 22 42 | 0 15 | 22 32 | 0 29 | 1 54 | 10 26 | 19 25 | 19 0 | 12 19 | | | n.a. |
| S 29 | 22 38 | 21 19 | 2 25 | 23 1 | 1 32 | 21 30 | 1 26 | 14 48 | 0 30 | 22 6 | 1 36 | 22 47 | 1 47 | 22 42 | 0 15 | 22 32 | 0 29 | 1 53 | 10 26 | 19 24 | 18 59 | 12 20 | | | n.a. |
| M30 | 22 30 | 20 25 | 3 21 | 22 36 | 1 28 | 21 12 | 1 26 | 15 0 | 0 29 | 22 8 | 1 36 | 22 48 | 1 47 | 22 42 | 0 15 | 22 32 | 0 29 | 1 53 | 10 25 | 19 23 | 18 58 | 12 22 | | | n.a. |
| T 31 | 22n21 | 18n25 | 4s 8 | 22n10 | 1n24 | 20n54 | 1n26 | 15n12 | 0s28 | 22s10 | 1s36 | 22s49 | 1s48 | 22s42 | 0s15 | 22s32 | 0n29 | 1n52 | 10n25 | 19s21 | 18s58 | 12n24 | | | n.a. |

Julian Day Number = 1008271.5, Delta T = 12h43m03s
Ecliptic obliquity = 23°55'04, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'39, Lahiri = -30°52'38 Julian Calendar 1 July 1953 BCE == Greg. Calendar 14 June 1953 BCE

The year -1952 astronomical counting style corresponds to year 1953 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## AUGUST 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 19 33 8 | 21♋15'38 | 2♌38 | 0♌33 | 5♌47 | 12♉16 | 29°R39 | 27°R28 | 10°R17 | 14°R40 | 19♎26 | 24°R39 | 23♏13 | 26♈ 0 | n.a. | W 1 |
| T 2 | 19 37 5 | 22°14'18 | 16°21 | 2°16 | 7° 1 | 12°51 | 29♑31 | 27♑23 | 10♐15 | 14♐39 | 19°27 | 24♏29 | 23°10 | 26° 7 | n.a. | T 2 |
| F 3 | 19 41 1 | 23°13'00 | 0♍15 | 3°58 | 8°16 | 13°26 | 29°23 | 27°18 | 10°14 | 14°37 | 19°27 | 24°20 | 23° 6 | 26°13 | n.a. | F 3 |
| S 4 | 19 44 58 | 24°11'45 | 14°17 | 5°39 | 9°30 | 14° 0 | 29°15 | 27°14 | 10°12 | 14°36 | 19°28 | 24°13 | 23° 3 | 26°20 | n.a. | S 4 |
| S 5 | 19 48 54 | 25°10'31 | 28°24 | 7°19 | 10°45 | 14°35 | 29° 7 | 27° 9 | 10°11 | 14°35 | 19°28 | 24° 8 | 23° 0 | 26°27 | n.a. | S 5 |
| M 6 | 19 52 51 | 26° 9'19 | 12♎33 | 8°58 | 12° 0 | 15° 9 | 28°59 | 27° 4 | 10° 9 | 14°34 | 19°29 | 24° 5 | 22°57 | 26°33 | n.a. | M 6 |
| T 7 | 19 56 47 | 27° 8'09 | 26°42 | 10°36 | 13°14 | 15°43 | 28°51 | 27° 0 | 10° 8 | 14°33 | 19°30 | 24°D 4 | 22°54 | 26°40 | n.a. | T 7 |
| W 8 | 20 0 44 | 28° 7'00 | 10♏48 | 12°13 | 14°29 | 16°17 | 28°43 | 26°55 | 10° 7 | 14°32 | 19°30 | 24° 4 | 22°50 | 26°47 | n.a. | W 8 |
| T 9 | 20 4 40 | 29° 5'54 | 24°52 | 13°49 | 15°43 | 16°50 | 28°35 | 26°50 | 10° 5 | 14°31 | 19°31 | 24°R 5 | 22°47 | 26°53 | n.a. | T 9 |
| F 10 | 20 8 37 | 0♌ 4'50 | 8♐53 | 15°24 | 16°58 | 17°24 | 28°27 | 26°45 | 10° 4 | 14°30 | 19°32 | 24° 4 | 22°44 | 27° 0 | n.a. | F 10 |
| S 11 | 20 12 33 | 1° 3'47 | 22°48 | 16°58 | 18°13 | 17°57 | 28°19 | 26°41 | 10° 3 | 14°29 | 19°33 | 24° 1 | 22°41 | 27° 7 | n.a. | S 11 |
| S 12 | 20 16 30 | 2° 2'47 | 6♑35 | 18°31 | 19°27 | 18°31 | 28°11 | 26°36 | 10° 2 | 14°28 | 19°33 | 23°55 | 22°38 | 27°13 | n.a. | S 12 |
| M13 | 20 20 27 | 3° 1'49 | 20°13 | 20° 3 | 20°42 | 19° 4 | 28° 3 | 26°31 | 10° 0 | 14°27 | 19°34 | 23°47 | 22°35 | 27°20 | n.a. | M13 |
| T 14 | 20 24 23 | 4° 0'53 | 3♒38 | 21°34 | 21°56 | 19°37 | 27°55 | 26°27 | 9°59 | 14°26 | 19°35 | 23°36 | 22°31 | 27°27 | n.a. | T 14 |
| W15 | 20 28 20 | 4°59'59 | 16°48 | 23° 4 | 23°11 | 20°10 | 27°47 | 26°22 | 9°58 | 14°25 | 19°36 | 23°24 | 22°28 | 27°33 | n.a. | W15 |
| T 16 | 20 32 16 | 5°59'07 | 29°41 | 24°34 | 24°25 | 20°42 | 27°39 | 26°18 | 9°57 | 14°24 | 19°37 | 23°12 | 22°25 | 27°40 | n.a. | T 16 |
| F 17 | 20 36 13 | 6°58'17 | 12♓17 | 26° 2 | 25°40 | 21°15 | 27°32 | 26°13 | 9°56 | 14°23 | 19°38 | 23° 0 | 22°22 | 27°47 | n.a. | F 17 |
| S 18 | 20 40 9 | 7°57'30 | 24°37 | 27°30 | 26°55 | 21°47 | 27°24 | 26° 8 | 9°55 | 14°22 | 19°39 | 22°51 | 22°19 | 27°53 | n.a. | S 18 |
| S 19 | 20 44 6 | 8°56'46 | 6♈42 | 28°56 | 28° 9 | 22°19 | 27°16 | 26° 4 | 9°54 | 14°22 | 19°40 | 22°44 | 22°15 | 28° 0 | n.a. | S 19 |
| M20 | 20 48 2 | 9°56'03 | 18°37 | 0♍22 | 29°24 | 22°52 | 27° 9 | 25°59 | 9°54 | 14°21 | 19°41 | 22°40 | 22°12 | 28° 7 | n.a. | M20 |
| T 21 | 20 51 59 | 10°55'24 | 0♉27 | 1°47 | 0♍38 | 23°23 | 27° 1 | 25°55 | 9°53 | 14°20 | 19°42 | 22°38 | 22° 9 | 28°13 | n.a. | T 21 |
| W22 | 20 55 55 | 11°54'46 | 12°15 | 3°10 | 1°53 | 23°55 | 26°53 | 25°50 | 9°52 | 14°19 | 19°43 | 22°D38 | 22° 6 | 28°20 | n.a. | W22 |
| T 23 | 20 59 52 | 12°54'12 | 24° 8 | 4°33 | 3° 7 | 24°26 | 26°46 | 25°46 | 9°51 | 14°19 | 19°44 | 22°R38 | 22° 3 | 28°27 | n.a. | T 23 |
| F 24 | 21 3 49 | 13°53'39 | 6♊12 | 5°54 | 4°22 | 24°58 | 26°39 | 25°42 | 9°51 | 14°18 | 19°46 | 22°37 | 22° 0 | 28°33 | n.a. | F 24 |
| S 25 | 21 7 45 | 14°53'10 | 18°30 | 7°14 | 5°36 | 25°29 | 26°31 | 25°37 | 9°50 | 14°18 | 19°47 | 22°35 | 21°56 | 28°40 | n.a. | S 25 |
| S 26 | 21 11 42 | 15°52'42 | 1♋ 9 | 8°33 | 6°51 | 26° 0 | 26°24 | 25°33 | 9°50 | 14°17 | 19°48 | 22°30 | 21°53 | 28°47 | n.a. | S 26 |
| M27 | 21 15 38 | 16°52'18 | 14°10 | 9°51 | 8° 5 | 26°30 | 26°17 | 25°29 | 9°49 | 14°16 | 19°49 | 22°23 | 21°50 | 28°53 | n.a. | M27 |
| T 28 | 21 19 35 | 17°51'55 | 27°35 | 11° 8 | 9°20 | 27° 1 | 26°10 | 25°25 | 9°49 | 14°16 | 19°51 | 22°13 | 21°47 | 29° 0 | n.a. | T 28 |
| W29 | 21 23 31 | 18°51'35 | 11♌23 | 12°23 | 10°35 | 27°31 | 26° 3 | 25°21 | 9°48 | 14°15 | 19°52 | 22° 1 | 21°44 | 29° 7 | n.a. | W29 |
| T 30 | 21 27 28 | 19°51'17 | 25°31 | 13°37 | 11°49 | 28° 1 | 25°57 | 25°17 | 9°48 | 14°15 | 19°53 | 21°49 | 21°41 | 29°13 | n.a. | T 30 |
| F 31 | 21 31 24 | 20♌51'01 | 9♍53 | 14♍48 | 13♍ 4 | 28♉31 | 25♑50 | 25♑12 | 9♐48 | 14♐15 | 19♎55 | 21♏37 | 21♏37 | 29♈20 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| W 1 | 22n12 | 15n23 | 4s43 | 21n43 | 1n19 | 20n35 | 1n25 | 15n24 | 0s27 | 22s12 | 1s36 | 22s50 | 1s48 | 22s41 | 0s15 | 22s32 | 0n29 | 1n52 | 10n25 | 19s19 | 18s57 | 12n26 | | | n.a. |
| T 2 | 22 2 | 11 28 | 5 2 | 21 15 | 1 14 | 20 15 | 1 25 | 15 35 | 0 26 | 22 14 | 1 36 | 22 51 | 1 48 | 22 41 | 0 15 | 22 32 | 0 29 | 1 51 | 10 24 | 19 16 | 18 56 | 12 27 | | | n.a. |
| F 3 | 21 52 | 6 53 | 5 3 | 20 46 | 1 9 | 19 55 | 1 24 | 15 47 | 0 25 | 22 15 | 1 36 | 22 53 | 1 48 | 22 41 | 0 15 | 22 32 | 0 29 | 1 51 | 10 24 | 19 14 | 18 55 | 12 29 | | | n.a. |
| S 4 | 21 42 | 1 55 | 4 46 | 20 16 | 1 4 | 19 34 | 1 24 | 15 58 | 0 25 | 22 17 | 1 37 | 22 54 | 1 48 | 22 41 | 0 15 | 22 32 | 0 29 | 1 50 | 10 23 | 19 12 | 18 54 | 12 31 | | | n.a. |
| S 5 | 21 31 | 3s12 | 4 12 | 19 45 | 0 58 | 19 13 | 1 23 | 16 9 | 0 24 | 22 19 | 1 37 | 22 55 | 1 48 | 22 40 | 0 15 | 22 31 | 0 29 | 1 49 | 10 23 | 19 11 | 18 54 | 12 33 | | | n.a. |
| M 6 | 21 20 | 8 9 | 3 23 | 19 13 | 0 52 | 18 51 | 1 22 | 16 20 | 0 23 | 22 21 | 1 37 | 22 56 | 1 48 | 22 40 | 0 15 | 22 31 | 0 29 | 1 49 | 10 22 | 19 10 | 18 53 | 12 34 | | | n.a. |
| T 7 | 21 9 | 12 40 | 2 21 | 18 40 | 0 46 | 18 29 | 1 21 | 16 31 | 0 22 | 22 23 | 1 37 | 22 57 | 1 48 | 22 40 | 0 15 | 22 31 | 0 29 | 1 48 | 10 22 | 19 10 | 18 52 | 12 36 | | | n.a. |
| W 8 | 20 57 | 16 28 | 1 10 | 18 6 | 0 40 | 18 6 | 1 20 | 16 42 | 0 21 | 22 25 | 1 37 | 22 58 | 1 48 | 22 40 | 0 15 | 22 31 | 0 29 | 1 47 | 10 22 | 19 10 | 18 51 | 12 38 | | | n.a. |
| T 9 | 20 45 | 19 18 | 0n 4 | 17 32 | 0 33 | 17 42 | 1 20 | 16 53 | 0 20 | 22 26 | 1 37 | 22 59 | 1 48 | 22 40 | 0 15 | 22 31 | 0 29 | 1 47 | 10 21 | 19 10 | 18 50 | 12 40 | | | n.a. |
| F 10 | 20 32 | 20 56 | 1 18 | 16 58 | 0 26 | 17 18 | 1 19 | 17 3 | 0 19 | 22 28 | 1 37 | 23 0 | 1 48 | 22 39 | 0 15 | 22 31 | 0 29 | 1 46 | 10 21 | 19 10 | 18 49 | 12 41 | | | n.a. |
| S 11 | 20 19 | 21 17 | 2 27 | 16 22 | 0 20 | 16 54 | 1 17 | 17 14 | 0 18 | 22 30 | 1 37 | 23 1 | 1 48 | 22 39 | 0 15 | 22 31 | 0 29 | 1 45 | 10 20 | 19 9 | 18 49 | 12 43 | | | n.a. |
| S 12 | 20 6 | 20 20 | 3 26 | 15 47 | 0 13 | 16 29 | 1 16 | 17 24 | 0 18 | 22 32 | 1 37 | 23 2 | 1 48 | 22 39 | 0 15 | 22 31 | 0 29 | 1 45 | 10 20 | 19 8 | 18 48 | 12 45 | | | n.a. |
| M13 | 19 52 | 18 12 | 4 12 | 15 11 | 0 6 | 16 4 | 1 15 | 17 34 | 0 17 | 22 33 | 1 37 | 23 3 | 1 49 | 22 39 | 0 15 | 22 31 | 0 29 | 1 44 | 10 19 | 19 5 | 18 47 | 12 46 | | | n.a. |
| T 14 | 19 38 | 15 8 | 4 44 | 14 34 | 0s 1 | 15 38 | 1 14 | 17 44 | 0 16 | 22 35 | 1 37 | 23 4 | 1 49 | 22 39 | 0 15 | 22 31 | 0 29 | 1 43 | 10 19 | 19 3 | 18 46 | 12 48 | | | n.a. |
| W15 | 19 24 | 11 21 | 5 0 | 13 58 | 0 9 | 15 12 | 1 13 | 17 54 | 0 15 | 22 37 | 1 38 | 23 5 | 1 49 | 22 39 | 0 15 | 22 31 | 0 29 | 1 42 | 10 19 | 19 0 | 18 45 | 12 50 | | | n.a. |
| T 16 | 19 9 | 7 8 | 5 0 | 13 21 | 0 16 | 14 45 | 1 11 | 18 4 | 0 14 | 22 38 | 1 38 | 23 5 | 1 49 | 22 38 | 0 15 | 22 30 | 0 29 | 1 42 | 10 18 | 18 57 | 18 44 | 12 52 | | | n.a. |
| F 17 | 18 54 | 2 42 | 4 45 | 12 44 | 0 23 | 14 19 | 1 10 | 18 14 | 0 13 | 22 40 | 1 38 | 23 6 | 1 49 | 22 38 | 0 15 | 22 30 | 0 29 | 1 41 | 10 18 | 18 54 | 18 44 | 12 53 | | | n.a. |
| S 18 | 18 39 | 1n44 | 4 17 | 12 6 | 0 31 | 13 51 | 1 8 | 18 23 | 0 12 | 22 41 | 1 38 | 23 7 | 1 49 | 22 38 | 0 15 | 22 30 | 0 29 | 1 40 | 10 17 | 18 51 | 18 43 | 12 55 | | | n.a. |
| S 19 | 18 23 | 6 2 | 3 38 | 11 29 | 0 38 | 13 24 | 1 7 | 18 32 | 0 11 | 22 43 | 1 38 | 23 8 | 1 49 | 22 38 | 0 15 | 22 30 | 0 29 | 1 39 | 10 17 | 18 49 | 18 42 | 12 57 | | | n.a. |
| M20 | 18 7 | 10 3 | 2 50 | 10 51 | 0 46 | 12 55 | 1 5 | 18 42 | 0 10 | 22 45 | 1 38 | 23 9 | 1 49 | 22 38 | 0 15 | 22 30 | 0 29 | 1 39 | 10 16 | 18 48 | 18 41 | 12 58 | | | n.a. |
| T 21 | 17 50 | 13 39 | 1 55 | 10 14 | 0 53 | 12 27 | 1 3 | 18 51 | 0 9 | 22 46 | 1 38 | 23 10 | 1 49 | 22 38 | 0 15 | 22 30 | 0 29 | 1 38 | 10 16 | 18 48 | 18 40 | 13 0 | | | n.a. |
| W22 | 17 34 | 16 41 | 0 55 | 9 36 | 1 1 | 11 58 | 1 2 | 19 0 | 0 8 | 22 48 | 1 38 | 23 11 | 1 49 | 22 38 | 0 15 | 22 30 | 0 29 | 1 37 | 10 16 | 18 48 | 18 39 | 13 2 | | | n.a. |
| T 23 | 17 17 | 19 3 | 0s 8 | 8 59 | 1 8 | 11 29 | 1 0 | 19 9 | 0 7 | 22 49 | 1 38 | 23 12 | 1 49 | 22 38 | 0 15 | 22 30 | 0 29 | 1 36 | 10 15 | 18 48 | 18 39 | 13 3 | | | n.a. |
| F 24 | 16 59 | 20 36 | 1 11 | 8 22 | 1 16 | 11 0 | 0 58 | 19 18 | 0 6 | 22 50 | 1 38 | 23 13 | 1 49 | 22 37 | 0 15 | 22 30 | 0 29 | 1 35 | 10 15 | 18 48 | 18 38 | 13 5 | | | n.a. |
| S 25 | 16 42 | 21 12 | 2 13 | 7 44 | 1 23 | 10 30 | 0 56 | 19 26 | 0 5 | 22 52 | 1 38 | 23 13 | 1 49 | 22 37 | 0 15 | 22 30 | 0 29 | 1 35 | 10 14 | 18 47 | 18 37 | 13 7 | | | n.a. |
| S 26 | 16 24 | 20 46 | 3 9 | 7 8 | 1 31 | 10 0 | 0 54 | 19 35 | 0 4 | 22 53 | 1 37 | 23 14 | 1 49 | 22 37 | 0 15 | 22 30 | 0 29 | 1 34 | 10 14 | 18 46 | 18 36 | 13 8 | | | n.a. |
| M27 | 16 5 | 19 13 | 3 57 | 6 31 | 1 38 | 9 30 | 0 52 | 19 43 | 0 3 | 22 54 | 1 37 | 23 15 | 1 49 | 22 37 | 0 15 | 22 30 | 0 29 | 1 33 | 10 14 | 18 44 | 18 35 | 13 10 | | | n.a. |
| T 28 | 15 47 | 16 35 | 4 34 | 5 55 | 1 45 | 9 0 | 0 50 | 19 51 | 0 2 | 22 56 | 1 37 | 23 16 | 1 49 | 22 37 | 0 15 | 22 30 | 0 29 | 1 32 | 10 13 | 18 41 | 18 34 | 13 12 | | | n.a. |
| W29 | 15 28 | 12 59 | 4 55 | 5 19 | 1 52 | 8 29 | 0 48 | 20 0 | 0 0 | 22 57 | 1 37 | 23 17 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 31 | 10 13 | 18 38 | 18 34 | 13 13 | | | n.a. |
| T 30 | 15 9 | 8 34 | 5 0 | 4 44 | 1 59 | 7 58 | 0 46 | 20 8 | 0n 1 | 22 58 | 1 37 | 23 17 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 30 | 10 13 | 18 35 | 18 33 | 13 15 | | | n.a. |
| F 31 | 14n50 | 3n37 | 4s46 | 4n10 | 2s 6 | 7n27 | 0n44 | 20n15 | 0n 2 | 22s59 | 1s37 | 23s18 | 1s49 | 22s37 | 0s15 | 22s30 | 0n28 | 1n29 | 10n12 | 18s32 | 18s32 | 13n17 | | | n.a. |

Julian Day Number = 1008302.5, Delta T = 12h43m01s
Ecliptic obliquity = 23°55'03, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'35, Lahiri = -30°52'33 Julian Calendar 1 Aug. 1953 BCE == Greg. Calendar 15 July 1953 BCE

The year -1952 astronomical counting style corresponds to year 1953 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## SEPTEMBER 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 35 21 | 21♌50'47 | 24♍22 | 15♍59 | 14♍18 | 29♉ 1 | 25°R44 | 25°R 9 | 9°R47 | 14°R14 | 19♎56 | 21°R27 | 21♏34 | 29♈27 | n.a. | S 1 |
| S 2 | 21 39 17 | 22°50'35 | 8♎53 | 17° 7 | 15°33 | 29°30 | 25♐37 | 25♐ 5 | 9♐47 | 14♐14 | 19°58 | 21♏19 | 21°31 | 29°33 | n.a. | S 2 |
| M 3 | 21 43 14 | 23°50'25 | 23°19 | 18°13 | 16°47 | 29°59 | 25°31 | 25° 1 | 9°47 | 14°13 | 19°59 | 21°15 | 21°28 | 29°40 | n.a. | M 3 |
| T 4 | 21 47 11 | 24°50'17 | 7♏37 | 19°17 | 18° 1 | 0♊28 | 25°25 | 24°57 | 9°47 | 14°13 | 20° 1 | 21°13 | 21°25 | 29°46 | n.a. | T 4 |
| W 5 | 21 51 7 | 25°50'10 | 21°45 | 20°19 | 19°16 | 0°57 | 25°19 | 24°53 | 9°D47 | 14°13 | 20° 2 | 21°13 | 21°21 | 29°53 | n.a. | W 5 |
| T 6 | 21 55 4 | 26°50'06 | 5♐41 | 21°17 | 20°30 | 1°26 | 25°14 | 24°50 | 9°47 | 14°13 | 20° 4 | 21°13 | 21°18 | 29°59 | n.a. | T 6 |
| F 7 | 21 59 0 | 27°50'04 | 19°26 | 22°13 | 21°45 | 1°54 | 25° 8 | 24°46 | 9°47 | 14°13 | 20° 5 | 21°12 | 21°15 | 0♉ 6 | n.a. | F 7 |
| S 8 | 22 2 57 | 28°50'03 | 3♑ 1 | 23° 5 | 22°59 | 2°22 | 25° 3 | 24°43 | 9°47 | 14°12 | 20° 7 | 21° 8 | 21°12 | 0°13 | n.a. | S 8 |
| S 9 | 22 6 53 | 29°50'04 | 16°25 | 23°54 | 24°14 | 2°50 | 24°57 | 24°39 | 9°47 | 14°12 | 20° 9 | 21° 2 | 21° 9 | 0°20 | n.a. | S 9 |
| M10 | 22 10 50 | 0♍50'07 | 29°39 | 24°38 | 25°28 | 3°17 | 24°52 | 24°36 | 9°47 | 14°12 | 20°10 | 20°52 | 21° 6 | 0°26 | n.a. | M10 |
| T 11 | 22 14 46 | 1°50'12 | 12♒41 | 25°18 | 26°42 | 3°45 | 24°47 | 24°33 | 9°48 | 14°12 | 20°12 | 20°41 | 21° 2 | 0°33 | n.a. | T 11 |
| W12 | 22 18 43 | 2°50'18 | 25°31 | 25°53 | 27°57 | 4°12 | 24°42 | 24°30 | 9°48 | 14°D12 | 20°14 | 20°27 | 20°59 | 0°40 | n.a. | W12 |
| T 13 | 22 22 39 | 3°50'27 | 8♓ 9 | 26°23 | 29°11 | 4°38 | 24°38 | 24°27 | 9°48 | 14°12 | 20°15 | 20°14 | 20°56 | 0°46 | n.a. | T 13 |
| F 14 | 22 26 36 | 4°50'38 | 20°33 | 26°46 | 0♎25 | 5° 5 | 24°33 | 24°24 | 9°49 | 14°12 | 20°17 | 20° 1 | 20°53 | 0°53 | n.a. | F 14 |
| S 15 | 22 30 33 | 5°50'50 | 2♈45 | 27° 3 | 1°40 | 5°31 | 24°29 | 24°21 | 9°49 | 14°12 | 20°19 | 19°51 | 20°50 | 1° 0 | n.a. | S 15 |
| S 16 | 22 34 29 | 6°51'05 | 14°46 | 27°12 | 2°54 | 5°57 | 24°25 | 24°18 | 9°50 | 14°12 | 20°21 | 19°43 | 20°47 | 1° 6 | n.a. | S 16 |
| M17 | 22 38 26 | 7°51'22 | 26°38 | 27°R13 | 4° 8 | 6°22 | 24°21 | 24°15 | 9°50 | 14°12 | 20°22 | 19°38 | 20°43 | 1°13 | n.a. | M17 |
| T 18 | 22 42 22 | 8°51'41 | 8♉26 | 27° 6 | 5°23 | 6°48 | 24°18 | 24°12 | 9°51 | 14°13 | 20°24 | 19°35 | 20°40 | 1°20 | n.a. | T 18 |
| W19 | 22 46 19 | 9°52'02 | 20°12 | 26°50 | 6°37 | 7°13 | 24°14 | 24°10 | 9°52 | 14°13 | 20°26 | 19°D35 | 20°37 | 1°26 | n.a. | W19 |
| T 20 | 22 50 15 | 10°52'26 | 2♊ 4 | 26°24 | 7°51 | 7°37 | 24°11 | 24° 7 | 9°52 | 14°13 | 20°28 | 19°35 | 20°34 | 1°33 | n.a. | T 20 |
| F 21 | 22 54 12 | 11°52'51 | 14° 5 | 25°49 | 9° 5 | 8° 2 | 24° 8 | 24° 5 | 9°53 | 14°13 | 20°30 | 19°R35 | 20°31 | 1°40 | n.a. | F 21 |
| S 22 | 22 58 8 | 12°53'19 | 26°21 | 25° 4 | 10°20 | 8°26 | 24° 5 | 24° 3 | 9°54 | 14°14 | 20°32 | 19°34 | 20°27 | 1°46 | n.a. | S 22 |
| S 23 | 23 2 5 | 13°53'49 | 8♋59 | 24° 9 | 11°34 | 8°50 | 24° 2 | 24° 0 | 9°55 | 14°14 | 20°34 | 19°31 | 20°24 | 1°53 | n.a. | S 23 |
| M24 | 23 6 1 | 14°54'21 | 22° 1 | 23° 6 | 12°48 | 9°13 | 24° 0 | 23°58 | 9°56 | 14°14 | 20°36 | 19°26 | 20°21 | 2° 0 | n.a. | M24 |
| T 25 | 23 9 58 | 15°54'55 | 5♌30 | 21°56 | 14° 2 | 9°36 | 23°57 | 23°56 | 9°57 | 14°15 | 20°38 | 19°18 | 20°18 | 2° 6 | n.a. | T 25 |
| W26 | 23 13 55 | 16°55'31 | 19°27 | 20°41 | 15°16 | 9°59 | 23°55 | 23°55 | 9°58 | 14°15 | 20°40 | 19° 9 | 20°15 | 2°13 | n.a. | W26 |
| T 27 | 23 17 51 | 17°56'08 | 3♍49 | 19°22 | 16°31 | 10°21 | 23°53 | 23°53 | 9°59 | 14°16 | 20°42 | 18°59 | 20°12 | 2°20 | n.a. | T 27 |
| F 28 | 23 21 48 | 18°56'48 | 18°31 | 18° 2 | 17°45 | 10°43 | 23°52 | 23°51 | 10° 0 | 14°16 | 20°44 | 18°49 | 20° 8 | 2°26 | n.a. | F 28 |
| S 29 | 23 25 44 | 19°57'29 | 3♎24 | 16°43 | 18°59 | 11° 4 | 23°50 | 23°49 | 10° 1 | 14°17 | 20°46 | 18°40 | 20° 5 | 2°33 | n.a. | S 29 |
| S 30 | 23 29 41 | 20♍58'11 | 18♎21 | 15♍29 | 20♎13 | 11♊26 | 23♐49 | 23♐48 | 10♐ 2 | 14♐18 | 20♎48 | 18♏34 | 20♏ 2 | 2♉39 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n30 | 1s35 | 4s13 | 3n36 | 2s13 | 6n56 | 0n41 | 20n23 | 0n 3 | 23s 1 | 1s37 | 23s19 | 1s49 | 22s37 | 0s15 | 22s30 | 0n28 | 1n29 | 10n12 | 18s29 | 18s31 | 13n18 | | n.a. |
| S 2 | 14 10 | 6 42 | 3 24 | 3 3 | 2 19 | 6 25 | 0 39 | 20 31 | 0 4 | 23 2 | 1 37 | 23 20 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 28 | 10 11 | 18 27 | 18 30 | 13 20 | | n.a. |
| M 3 | 13 50 | 11 25 | 2 22 | 2 31 | 2 25 | 5 53 | 0 37 | 20 38 | 0 5 | 23 3 | 1 37 | 23 20 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 27 | 10 11 | 18 26 | 18 29 | 13 22 | | n.a. |
| T 4 | 13 30 | 15 27 | 1 11 | 2 0 | 2 31 | 5 21 | 0 35 | 20 46 | 0 6 | 23 4 | 1 37 | 23 21 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 26 | 10 11 | 18 25 | 18 29 | 13 23 | | n.a. |
| W 5 | 13 10 | 18 31 | 0n 3 | 1 31 | 2 37 | 4 49 | 0 32 | 20 53 | 0 8 | 23 5 | 1 37 | 23 22 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 25 | 10 10 | 18 25 | 18 28 | 13 25 | | n.a. |
| T 6 | 12 49 | 20 26 | 1 16 | 1 2 | 2 42 | 4 17 | 0 30 | 21 0 | 0 9 | 23 6 | 1 37 | 23 22 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 24 | 10 10 | 18 25 | 18 27 | 13 27 | | n.a. |
| F 7 | 12 28 | 21 6 | 2 23 | 0 36 | 2 47 | 3 45 | 0 27 | 21 7 | 0 10 | 23 7 | 1 36 | 23 23 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 23 | 10 10 | 18 25 | 18 26 | 13 28 | | n.a. |
| S 8 | 12 7 | 20 31 | 3 22 | 0 10 | 2 52 | 3 13 | 0 25 | 21 14 | 0 11 | 23 8 | 1 36 | 23 23 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 22 | 10 9 | 18 24 | 18 25 | 13 30 | | n.a. |
| S 9 | 11 45 | 18 47 | 4 8 | 0s13 | 2 56 | 2 41 | 0 22 | 21 21 | 0 13 | 23 9 | 1 36 | 23 24 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 21 | 10 9 | 18 22 | 18 24 | 13 31 | | n.a. |
| M10 | 11 24 | 16 4 | 4 41 | 0 34 | 2 59 | 2 8 | 0 20 | 21 28 | 0 14 | 23 9 | 1 36 | 23 25 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 20 | 10 9 | 18 20 | 18 23 | 13 33 | | n.a. |
| T 11 | 11 2 | 12 35 | 4 58 | 0 53 | 3 2 | 1 36 | 0 17 | 21 34 | 0 15 | 23 10 | 1 36 | 23 25 | 1 49 | 22 37 | 0 15 | 22 30 | 0 28 | 1 19 | 10 8 | 18 17 | 18 23 | 13 35 | | n.a. |
| W12 | 10 40 | 8 34 | 5 0 | 1 9 | 3 4 | 1 3 | 0 14 | 21 41 | 0 16 | 23 11 | 1 36 | 23 26 | 1 48 | 22 37 | 0 15 | 22 30 | 0 28 | 1 18 | 10 8 | 18 13 | 18 22 | 13 36 | | n.a. |
| T 13 | 10 18 | 4 16 | 4 46 | 1 22 | 3 6 | 0 31 | 0 12 | 21 47 | 0 18 | 23 12 | 1 36 | 23 26 | 1 48 | 22 37 | 0 15 | 22 30 | 0 28 | 1 17 | 10 8 | 18 9 | 18 21 | 13 38 | | n.a. |
| F 14 | 9 55 | 0n 9 | 4 20 | 1 31 | 3 6 | 0s 2 | 0 9 | 21 53 | 0 19 | 23 12 | 1 36 | 23 27 | 1 48 | 22 37 | 0 15 | 22 30 | 0 28 | 1 17 | 10 7 | 18 6 | 18 20 | 13 40 | | n.a. |
| S 15 | 9 33 | 4 29 | 3 42 | 1 37 | 3 5 | 0 35 | 0 6 | 21 59 | 0 20 | 23 13 | 1 35 | 23 27 | 1 48 | 22 37 | 0 15 | 22 30 | 0 28 | 1 16 | 10 7 | 18 3 | 18 19 | 13 41 | | n.a. |
| S 16 | 9 10 | 8 35 | 2 54 | 1 39 | 3 3 | 1 7 | 0 4 | 22 5 | 0 22 | 23 13 | 1 35 | 23 28 | 1 48 | 22 37 | 0 15 | 22 30 | 0 28 | 1 15 | 10 7 | 18 1 | 18 18 | 13 43 | | n.a. |
| M17 | 8 47 | 12 19 | 1 59 | 1 37 | 3 0 | 1 40 | 0 1 | 22 11 | 0 23 | 23 14 | 1 35 | 23 28 | 1 48 | 22 37 | 0 15 | 22 30 | 0 28 | 1 14 | 10 6 | 18 0 | 18 17 | 13 44 | | n.a. |
| T 18 | 8 24 | 15 31 | 0 59 | 1 30 | 2 56 | 2 12 | 0s 2 | 22 17 | 0 25 | 23 14 | 1 35 | 23 28 | 1 48 | 22 37 | 0 15 | 22 30 | 0 28 | 1 13 | 10 6 | 17 59 | 18 17 | 13 46 | | n.a. |
| W19 | 8 1 | 18 6 | 0s 3 | 1 18 | 2 49 | 2 45 | 0 5 | 22 23 | 0 26 | 23 15 | 1 35 | 23 29 | 1 48 | 22 37 | 0 15 | 22 30 | 0 28 | 1 12 | 10 6 | 17 59 | 18 16 | 13 48 | | n.a. |
| T 20 | 7 38 | 19 55 | 1 6 | 1 0 | 2 41 | 3 17 | 0 7 | 22 28 | 0 27 | 23 15 | 1 35 | 23 29 | 1 48 | 22 38 | 0 15 | 22 30 | 0 28 | 1 11 | 10 5 | 17 59 | 18 15 | 13 49 | | n.a. |
| F 21 | 7 15 | 20 51 | 2 7 | 0 37 | 2 32 | 3 50 | 0 10 | 22 34 | 0 29 | 23 16 | 1 34 | 23 30 | 1 48 | 22 38 | 0 15 | 22 30 | 0 28 | 1 10 | 10 5 | 17 59 | 18 14 | 13 51 | | n.a. |
| S 22 | 6 51 | 20 49 | 3 3 | 0 8 | 2 20 | 4 22 | 0 13 | 22 39 | 0 30 | 23 16 | 1 34 | 23 30 | 1 48 | 22 38 | 0 15 | 22 30 | 0 28 | 1 9 | 10 5 | 17 59 | 18 13 | 13 52 | | n.a. |
| S 23 | 6 27 | 19 45 | 3 52 | 0n26 | 2 7 | 4 54 | 0 16 | 22 44 | 0 32 | 23 16 | 1 34 | 23 30 | 1 48 | 22 38 | 0 15 | 22 30 | 0 28 | 1 8 | 10 4 | 17 58 | 18 12 | 13 54 | | n.a. |
| M24 | 6 4 | 17 38 | 4 31 | 1 5 | 1 52 | 5 26 | 0 19 | 22 49 | 0 33 | 23 17 | 1 34 | 23 31 | 1 48 | 22 38 | 0 15 | 22 30 | 0 28 | 1 7 | 10 4 | 17 56 | 18 11 | 13 55 | | n.a. |
| T 25 | 5 40 | 14 30 | 4 56 | 1 49 | 1 35 | 5 58 | 0 21 | 22 55 | 0 35 | 23 17 | 1 34 | 23 31 | 1 48 | 22 38 | 0 15 | 22 31 | 0 28 | 1 6 | 10 4 | 17 54 | 18 11 | 13 57 | | n.a. |
| W26 | 5 16 | 10 28 | 5 4 | 2 36 | 1 16 | 6 30 | 0 24 | 22 59 | 0 36 | 23 17 | 1 33 | 23 31 | 1 47 | 22 38 | 0 15 | 22 31 | 0 28 | 1 5 | 10 4 | 17 52 | 18 10 | 13 59 | | n.a. |
| T 27 | 4 52 | 5 45 | 4 54 | 3 26 | 0 56 | 7 2 | 0 27 | 23 4 | 0 38 | 23 17 | 1 33 | 23 31 | 1 47 | 22 39 | 0 15 | 22 31 | 0 28 | 1 4 | 10 3 | 17 49 | 18 9 | 14 0 | | n.a. |
| F 28 | 4 27 | 0 35 | 4 25 | 4 16 | 0 36 | 7 33 | 0 30 | 23 9 | 0 40 | 23 17 | 1 33 | 23 32 | 1 47 | 22 39 | 0 15 | 22 31 | 0 28 | 1 3 | 10 3 | 17 46 | 18 8 | 14 2 | | n.a. |
| S 29 | 4 3 | 4s41 | 3 37 | 5 7 | 0 15 | 8 5 | 0 33 | 23 14 | 0 41 | 23 17 | 1 33 | 23 32 | 1 47 | 22 39 | 0 15 | 22 31 | 0 28 | 1 2 | 10 3 | 17 44 | 18 7 | 14 3 | | n.a. |
| S 30 | 3n39 | 9s42 | 2s34 | 5n55 | 0n 5 | 8s36 | 0s36 | 23n19 | 0n43 | 23s17 | 1s33 | 23s32 | 1s47 | 22s39 | 0s15 | 22s31 | 0n28 | 1n 1 | 10n 3 | 17s42 | 18s 6 | 14n 5 | | n.a. |

Julian Day Number = 1008333.5, Delta T = 12h42m59s
Ecliptic obliquity = 23°55'04, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'31, Lahiri = -30°52'29 Julian Calendar 1 Sept. 1953 BCE == Greg. Calendar 15 Aug. 1953 BCE


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## OCTOBER 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 33 37 | 21♍58'55 | 3♏11 | 14°R21 | 21♎27 | 11♊46 | 23°R48 | 23°R47 | 10♐ 4 | 14♐18 | 20♎50 | 18°R31 | 19♏59 | 2♉46 | n.a. | M 1 |
| T 2 | 23 37 34 | 22°59'41 | 17°50 | 13♍22 | 22°41 | 12° 7 | 23♉47 | 23♉45 | 10° 5 | 14°19 | 20°52 | 18°D30 | 19°56 | 2°53 | n.a. | T 2 |
| W 3 | 23 41 30 | 24° 0'28 | 2♐11 | 12°33 | 23°55 | 12°27 | 23°46 | 23°44 | 10° 6 | 14°20 | 20°54 | 18♏31 | 19°52 | 2°59 | n.a. | W 3 |
| T 4 | 23 45 27 | 25° 1'16 | 16°14 | 11°55 | 25° 9 | 12°46 | 23°46 | 23°43 | 10° 8 | 14°20 | 20°56 | 18°32 | 19°49 | 3° 6 | n.a. | T 4 |
| F 5 | 23 49 24 | 26° 2'05 | 29°58 | 11°28 | 26°23 | 13° 5 | 23°45 | 23°42 | 10° 9 | 14°21 | 20°58 | 18°R32 | 19°46 | 3°13 | n.a. | F 5 |
| S 6 | 23 53 20 | 27° 2'56 | 13♉24 | 11°14 | 27°37 | 13°24 | 23°D45 | 23°41 | 10°11 | 14°22 | 21° 0 | 18°30 | 19°43 | 3°19 | n.a. | S 6 |
| S 7 | 23 57 17 | 28° 3'48 | 26°34 | 11°D10 | 28°51 | 13°42 | 23°45 | 23°41 | 10°12 | 14°23 | 21° 3 | 18°27 | 19°40 | 3°26 | n.a. | S 7 |
| M 8 | 0 1 13 | 29° 4'40 | 9♒29 | 11°18 | 0♏ 5 | 14° 0 | 23°46 | 23°40 | 10°14 | 14°23 | 21° 5 | 18°21 | 19°37 | 3°33 | n.a. | M 8 |
| T 9 | 0 5 10 | 0♎ 5'34 | 22°12 | 11°36 | 1°19 | 14°17 | 23°46 | 23°39 | 10°16 | 14°24 | 21° 7 | 18°13 | 19°33 | 3°39 | n.a. | T 9 |
| W10 | 0 9 6 | 1° 6'29 | 4♓43 | 12° 3 | 2°33 | 14°34 | 23°47 | 23°39 | 10°17 | 14°25 | 21° 9 | 18° 4 | 19°30 | 3°46 | n.a. | W10 |
| T 11 | 0 13 3 | 2° 7'26 | 17° 3 | 12°39 | 3°47 | 14°50 | 23°48 | 23°39 | 10°19 | 14°26 | 21°11 | 17°55 | 19°27 | 3°53 | n.a. | T 11 |
| F 12 | 0 16 59 | 3° 8'23 | 29°14 | 13°22 | 5° 0 | 15° 6 | 23°49 | 23°38 | 10°21 | 14°27 | 21°14 | 17°47 | 19°24 | 3°59 | n.a. | F 12 |
| S 13 | 0 20 56 | 4° 9'22 | 11♈16 | 14°11 | 6°14 | 15°22 | 23°51 | 23°D38 | 10°23 | 14°28 | 21°16 | 17°40 | 19°21 | 4° 6 | n.a. | S 13 |
| S 14 | 0 24 52 | 5°10'22 | 23°10 | 15° 7 | 7°28 | 15°36 | 23°52 | 23°38 | 10°25 | 14°29 | 21°18 | 17°34 | 19°18 | 4°13 | n.a. | S 14 |
| M15 | 0 28 49 | 6°11'23 | 5♉ 0 | 16° 8 | 8°42 | 15°51 | 23°54 | 23°39 | 10°26 | 14°30 | 21°20 | 17°31 | 19°14 | 4°19 | n.a. | M15 |
| T 16 | 0 32 46 | 7°12'25 | 16°46 | 17°13 | 9°55 | 16° 5 | 23°56 | 23°39 | 10°28 | 14°31 | 21°23 | 17°D30 | 19°11 | 4°26 | n.a. | T 16 |
| W17 | 0 36 42 | 8°13'29 | 28°33 | 18°22 | 11° 9 | 16°18 | 23°58 | 23°39 | 10°30 | 14°33 | 21°25 | 17°31 | 19° 8 | 4°33 | n.a. | W17 |
| T 18 | 0 40 39 | 9°14'34 | 10♊25 | 19°34 | 12°23 | 16°30 | 24° 1 | 23°40 | 10°33 | 14°34 | 21°27 | 17°33 | 19° 5 | 4°39 | n.a. | T 18 |
| F 19 | 0 44 35 | 10°15'41 | 22°25 | 20°50 | 13°36 | 16°43 | 24° 3 | 23°40 | 10°35 | 14°35 | 21°29 | 17°34 | 19° 2 | 4°46 | n.a. | F 19 |
| S 20 | 0 48 32 | 11°16'49 | 4♋39 | 22° 7 | 14°50 | 16°54 | 24° 6 | 23°41 | 10°37 | 14°36 | 21°32 | 17°36 | 18°58 | 4°53 | n.a. | S 20 |
| S 21 | 0 52 28 | 12°17'57 | 17°11 | 23°27 | 16° 4 | 17° 5 | 24° 9 | 23°42 | 10°39 | 14°37 | 21°34 | 17°R36 | 18°55 | 4°59 | n.a. | S 21 |
| M22 | 0 56 25 | 13°19'08 | 0♌ 7 | 24°49 | 17°17 | 17°15 | 24°12 | 23°42 | 10°41 | 14°39 | 21°36 | 17°34 | 18°52 | 5° 6 | n.a. | M22 |
| T 23 | 1 0 22 | 14°20'19 | 13°30 | 26°12 | 18°31 | 17°25 | 24°16 | 23°44 | 10°43 | 14°40 | 21°39 | 17°31 | 18°49 | 5°12 | n.a. | T 23 |
| W24 | 1 4 18 | 15°21'31 | 27°22 | 27°36 | 19°44 | 17°34 | 24°19 | 23°45 | 10°46 | 14°41 | 21°41 | 17°27 | 18°46 | 5°19 | n.a. | W24 |
| T 25 | 1 8 15 | 16°22'45 | 11♍42 | 29° 2 | 20°58 | 17°42 | 24°23 | 23°46 | 10°48 | 14°43 | 21°43 | 17°22 | 18°43 | 5°26 | n.a. | T 25 |
| F 26 | 1 12 11 | 17°23'59 | 26°27 | 0♎28 | 22°11 | 17°50 | 24°27 | 23°47 | 10°50 | 14°44 | 21°45 | 17°18 | 18°39 | 5°32 | n.a. | F 26 |
| S 27 | 1 16 8 | 18°25'14 | 11♎30 | 1°56 | 23°24 | 17°57 | 24°31 | 23°49 | 10°53 | 14°46 | 21°48 | 17°14 | 18°36 | 5°39 | n.a. | S 27 |
| S 28 | 1 20 4 | 19°26'30 | 26°41 | 3°24 | 24°38 | 18° 3 | 24°36 | 23°50 | 10°55 | 14°47 | 21°50 | 17°11 | 18°33 | 5°46 | n.a. | S 28 |
| M29 | 1 24 1 | 20°27'47 | 11♏52 | 4°53 | 25°51 | 18° 9 | 24°40 | 23°52 | 10°58 | 14°49 | 21°52 | 17°D10 | 18°30 | 5°52 | n.a. | M29 |
| T 30 | 1 27 57 | 21°29'04 | 26°52 | 6°22 | 27° 4 | 18°14 | 24°45 | 23°54 | 11° 0 | 14°50 | 21°55 | 17°10 | 18°27 | 5°59 | n.a. | T 30 |
| W31 | 1 31 54 | 22♎30'21 | 11♐34 | 7♎52 | 28♏17 | 18♊18 | 24♉50 | 23♉55 | 11♐ 3 | 14♐52 | 21♎57 | 17♏11 | 18♏23 | 6♉ 6 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | | ☊ | | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | | decl | | decl | | decl | lat |
| M 1 | 3n15 | 14s 6 | 1s21 | 6n40 | 0n25 | 9s 7 | 0s38 | 23n23 | 0n45 | 23s17 | 1s32 | 23s32 | 1s47 | 22s39 | 0s15 | 22s31 | 0n28 | 1n 0 | 10n 2 | 17s41 | 18s 5 | 14n 6 | | | | | n.a. |
| T 2 | 2 50 | 17 33 | 0 4 | 7 20 | 0 44 | 9 38 | 0 41 | 23 27 | 0 46 | 23 17 | 1 32 | 23 32 | 1 47 | 22 39 | 0 15 | 22 31 | 0 28 | 0 59 | 10 2 | 17 41 | 18 4 | 14 8 | | | | | n.a. |
| W 3 | 2 26 | 19 49 | 1n13 | 7 55 | 1 1 | 10 8 | 0 44 | 23 32 | 0 48 | 23 17 | 1 32 | 23 32 | 1 47 | 22 40 | 0 15 | 22 31 | 0 27 | 0 58 | 10 2 | 17 41 | 18 4 | 14 9 | | | | | n.a. |
| T 4 | 2 1 | 20 49 | 2 23 | 8 25 | 1 17 | 10 39 | 0 47 | 23 36 | 0 50 | 23 17 | 1 32 | 23 32 | 1 47 | 22 40 | 0 15 | 22 31 | 0 27 | 0 57 | 10 2 | 17 41 | 18 3 | 14 11 | | | | | n.a. |
| F 5 | 1 36 | 20 31 | 3 24 | 8 48 | 1 31 | 11 9 | 0 49 | 23 40 | 0 51 | 23 17 | 1 32 | 23 32 | 1 47 | 22 40 | 0 15 | 22 32 | 0 27 | 0 56 | 10 1 | 17 41 | 18 2 | 14 12 | | | | | n.a. |
| S 6 | 1 12 | 19 3 | 4 12 | 9 5 | 1 43 | 11 39 | 0 52 | 23 45 | 0 53 | 23 17 | 1 31 | 23 32 | 1 47 | 22 40 | 0 15 | 22 32 | 0 27 | 0 55 | 10 1 | 17 41 | 18 1 | 14 14 | | | | | n.a. |
| S 7 | 0 47 | 16 35 | 4 46 | 9 16 | 1 54 | 12 8 | 0 55 | 23 49 | 0 55 | 23 17 | 1 31 | 23 32 | 1 46 | 22 40 | 0 15 | 22 32 | 0 27 | 0 54 | 10 1 | 17 40 | 18 0 | 14 16 | | | | | n.a. |
| M 8 | 0 22 | 13 21 | 5 4 | 9 21 | 2 3 | 12 37 | 0 58 | 23 53 | 0 57 | 23 16 | 1 31 | 23 32 | 1 46 | 22 41 | 0 15 | 22 32 | 0 27 | 0 53 | 10 1 | 17 38 | 17 59 | 14 17 | | | | | n.a. |
| T 9 | 0s 2 | 9 33 | 5 7 | 9 21 | 2 10 | 13 6 | 1 0 | 23 57 | 0 59 | 23 16 | 1 31 | 23 32 | 1 46 | 22 41 | 0 15 | 22 32 | 0 27 | 0 52 | 10 0 | 17 36 | 17 58 | 14 19 | | | | | n.a. |
| W10 | 0 27 | 5 24 | 4 55 | 9 15 | 2 15 | 13 35 | 1 3 | 24 0 | 1 0 | 23 16 | 1 30 | 23 32 | 1 46 | 22 41 | 0 15 | 22 32 | 0 27 | 0 51 | 10 0 | 17 33 | 17 57 | 14 20 | | | | | n.a. |
| T 11 | 0 52 | 1 5 | 4 29 | 9 5 | 2 19 | 14 3 | 1 6 | 24 4 | 1 2 | 23 15 | 1 30 | 23 32 | 1 46 | 22 41 | 0 15 | 22 32 | 0 27 | 0 50 | 10 0 | 17 31 | 17 57 | 14 22 | | | | | n.a. |
| F 12 | 1 16 | 3n13 | 3 52 | 8 50 | 2 22 | 14 31 | 1 8 | 24 8 | 1 4 | 23 15 | 1 30 | 23 32 | 1 46 | 22 42 | 0 15 | 22 32 | 0 27 | 0 49 | 10 0 | 17 28 | 17 56 | 14 23 | | | | | n.a. |
| S 13 | 1 41 | 7 21 | 3 4 | 8 32 | 2 23 | 14 59 | 1 11 | 24 12 | 1 6 | 23 14 | 1 30 | 23 32 | 1 46 | 22 42 | 0 15 | 22 33 | 0 27 | 0 48 | 10 0 | 17 26 | 17 55 | 14 25 | | | | | n.a. |
| S 14 | 2 6 | 11 10 | 2 8 | 8 11 | 2 24 | 15 26 | 1 13 | 24 15 | 1 8 | 23 14 | 1 29 | 23 32 | 1 46 | 22 42 | 0 15 | 22 33 | 0 27 | 0 47 | 10 0 | 17 25 | 17 54 | 14 26 | | | | | n.a. |
| M15 | 2 30 | 14 30 | 1 8 | 7 46 | 2 23 | 15 53 | 1 16 | 24 19 | 1 10 | 23 13 | 1 29 | 23 32 | 1 46 | 22 43 | 0 15 | 22 33 | 0 27 | 0 46 | 9 59 | 17 24 | 17 53 | 14 28 | | | | | n.a. |
| T 16 | 2 55 | 17 15 | 0 4 | 7 19 | 2 22 | 16 19 | 1 18 | 24 22 | 1 12 | 23 13 | 1 29 | 23 32 | 1 45 | 22 43 | 0 15 | 22 33 | 0 27 | 0 45 | 9 59 | 17 24 | 17 52 | 14 29 | | | | | n.a. |
| W17 | 3 19 | 19 16 | 1s 0 | 6 50 | 2 20 | 16 45 | 1 21 | 24 26 | 1 14 | 23 12 | 1 29 | 23 32 | 1 45 | 22 43 | 0 15 | 22 33 | 0 27 | 0 44 | 9 59 | 17 24 | 17 51 | 14 31 | | | | | n.a. |
| T 18 | 3 44 | 20 27 | 2 2 | 6 18 | 2 17 | 17 11 | 1 23 | 24 29 | 1 16 | 23 11 | 1 29 | 23 31 | 1 45 | 22 43 | 0 15 | 22 33 | 0 27 | 0 43 | 9 59 | 17 24 | 17 50 | 14 32 | | | | | n.a. |
| F 19 | 4 8 | 20 43 | 2 59 | 5 45 | 2 14 | 17 36 | 1 26 | 24 32 | 1 18 | 23 11 | 1 28 | 23 31 | 1 45 | 22 44 | 0 15 | 22 34 | 0 27 | 0 42 | 9 59 | 17 25 | 17 49 | 14 34 | | | | | n.a. |
| S 20 | 4 33 | 20 1 | 3 49 | 5 10 | 2 10 | 18 0 | 1 28 | 24 36 | 1 21 | 23 10 | 1 28 | 23 31 | 1 45 | 22 44 | 0 15 | 22 34 | 0 27 | 0 41 | 9 59 | 17 25 | 17 49 | 14 35 | | | | | n.a. |
| S 21 | 4 57 | 18 19 | 4 30 | 4 34 | 2 5 | 18 25 | 1 30 | 24 39 | 1 23 | 23 9 | 1 28 | 23 31 | 1 45 | 22 44 | 0 15 | 22 34 | 0 27 | 0 40 | 9 58 | 17 25 | 17 48 | 14 37 | | | | | n.a. |
| M22 | 5 22 | 15 40 | 4 59 | 3 56 | 2 1 | 18 48 | 1 32 | 24 42 | 1 25 | 23 8 | 1 28 | 23 30 | 1 45 | 22 45 | 0 15 | 22 34 | 0 27 | 0 39 | 9 58 | 17 25 | 17 47 | 14 38 | | | | | n.a. |
| T 23 | 5 46 | 12 7 | 5 12 | 3 18 | 1 55 | 19 11 | 1 35 | 24 45 | 1 27 | 23 8 | 1 27 | 23 30 | 1 45 | 22 45 | 0 15 | 22 34 | 0 27 | 0 38 | 9 58 | 17 24 | 17 46 | 14 39 | | | | | n.a. |
| W24 | 6 10 | 7 48 | 5 8 | 2 39 | 1 50 | 19 34 | 1 37 | 24 48 | 1 29 | 23 7 | 1 27 | 23 30 | 1 44 | 22 45 | 0 15 | 22 34 | 0 27 | 0 37 | 9 58 | 17 23 | 17 45 | 14 41 | | | | | n.a. |
| T 25 | 6 34 | 2 55 | 4 46 | 1 59 | 1 44 | 19 56 | 1 39 | 24 51 | 1 32 | 23 6 | 1 27 | 23 30 | 1 44 | 22 46 | 0 15 | 22 35 | 0 27 | 0 36 | 9 58 | 17 21 | 17 44 | 14 42 | | | | | n.a. |
| F 26 | 6 58 | 2s16 | 4 3 | 1 18 | 1 38 | 20 18 | 1 41 | 24 54 | 1 34 | 23 5 | 1 27 | 23 29 | 1 44 | 22 46 | 0 15 | 22 35 | 0 27 | 0 35 | 9 58 | 17 20 | 17 43 | 14 44 | | | | | n.a. |
| S 27 | 7 22 | 7 26 | 3 4 | 0 37 | 1 32 | 20 39 | 1 43 | 24 57 | 1 36 | 23 4 | 1 27 | 23 29 | 1 44 | 22 46 | 0 15 | 22 35 | 0 27 | 0 34 | 9 58 | 17 19 | 17 42 | 14 45 | | | | | n.a. |
| S 28 | 7 45 | 12 12 | 1 50 | 0s 4 | 1 26 | 20 59 | 1 45 | 25 0 | 1 39 | 23 3 | 1 26 | 23 28 | 1 44 | 22 47 | 0 15 | 22 35 | 0 27 | 0 33 | 9 58 | 17 18 | 17 41 | 14 47 | | | | | n.a. |
| M29 | 8 9 | 16 10 | 0 29 | 0 46 | 1 20 | 21 19 | 1 46 | 25 3 | 1 41 | 23 2 | 1 26 | 23 28 | 1 44 | 22 47 | 0 15 | 22 35 | 0 27 | 0 32 | 9 57 | 17 18 | 17 41 | 14 48 | | | | | n.a. |
| T 30 | 8 32 | 18 59 | 0n53 | 1 28 | 1 13 | 21 39 | 1 48 | 25 6 | 1 43 | 23 1 | 1 26 | 23 28 | 1 44 | 22 47 | 0 15 | 22 36 | 0 27 | 0 31 | 9 57 | 17 18 | 17 40 | 14 50 | | | | | n.a. |
| W31 | 8s56 | 20s28 | 2n11 | 2s10 | 1n 6 | 21s57 | 1s50 | 25n 9 | 1n46 | 23s 0 | 1s26 | 23s27 | 1s44 | 22s48 | 0s15 | 22s36 | 0n27 | 0n30 | 9n57 | 17s18 | 17s39 | 14n51 | | | | | n.a. |

Julian Day Number = 1008363.5, Delta T = 12h42m57s
Ecliptic obliquity = 23°55'04, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'27, Lahiri = -30°52'25 Julian Calendar 1 Oct. 1953 BCE == Greg. Calendar 14 Sept. 1953 BCE

The year -1952 astronomical counting style corresponds to year 1953 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## NOVEMBER 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 35 51 | 23♎31'39 | 25♐53 | 9♎22 | 29♏31 | 18♊22 | 24♑55 | 23♑57 | 11♐ 6 | 14♐53 | 21♎59 | 17♏13 | 18♏20 | 6♉12 | n.a. | T 1 |
| F 2 | 1 39 47 | 24°32'57 | 9♑48 | 10°52 | 0♐44 | 18°25 | 25° 0 | 24° 0 | 11° 8 | 14°55 | 22° 2 | 17°14 | 18°17 | 6°19 | n.a. | F 2 |
| S 3 | 1 43 44 | 25°34'15 | 23°19 | 12°23 | 1°57 | 18°27 | 25° 6 | 24° 2 | 11°11 | 14°56 | 22° 4 | 17°R15 | 18°14 | 6°26 | n.a. | S 3 |
| S 4 | 1 47 40 | 26°35'34 | 6♒27 | 13°54 | 3°10 | 18°28 | 25°11 | 24° 4 | 11°14 | 14°58 | 22° 6 | 17°14 | 18°11 | 6°32 | n.a. | S 4 |
| M 5 | 1 51 37 | 27°36'52 | 19°15 | 15°26 | 4°23 | 18°R28 | 25°17 | 24° 6 | 11°16 | 15° 0 | 22° 9 | 17°13 | 18° 8 | 6°39 | n.a. | M 5 |
| T 6 | 1 55 33 | 28°38'10 | 1♓46 | 16°57 | 5°36 | 18°28 | 25°23 | 24° 9 | 11°19 | 15° 1 | 22°11 | 17°11 | 18° 4 | 6°46 | n.a. | T 6 |
| W 7 | 1 59 30 | 29°39'29 | 14° 4 | 18°29 | 6°49 | 18°27 | 25°29 | 24°12 | 11°22 | 15° 3 | 22°13 | 17° 8 | 18° 1 | 6°52 | n.a. | W 7 |
| T 8 | 2 3 26 | 0♏40'47 | 26°11 | 20° 1 | 8° 2 | 18°25 | 25°36 | 24°14 | 11°25 | 15° 5 | 22°15 | 17° 5 | 17°58 | 6°59 | n.a. | T 8 |
| F 9 | 2 7 23 | 1°42'06 | 8♈10 | 21°34 | 9°14 | 18°23 | 25°42 | 24°17 | 11°28 | 15° 7 | 22°18 | 17° 3 | 17°55 | 7° 5 | n.a. | F 9 |
| S 10 | 2 11 20 | 2°43'24 | 20° 3 | 23° 6 | 10°27 | 18°19 | 25°49 | 24°20 | 11°30 | 15° 8 | 22°20 | 17° 1 | 17°52 | 7°12 | n.a. | S 10 |
| S 11 | 2 15 16 | 3°44'43 | 1♉52 | 24°39 | 11°40 | 18°15 | 25°56 | 24°23 | 11°33 | 15°10 | 22°22 | 16°59 | 17°49 | 7°19 | n.a. | S 11 |
| M12 | 2 19 13 | 4°46'02 | 13°40 | 26°12 | 12°52 | 18°10 | 26° 3 | 24°26 | 11°36 | 15°12 | 22°25 | 16°D59 | 17°45 | 7°25 | n.a. | M12 |
| T 13 | 2 23 9 | 5°47'20 | 25°28 | 27°45 | 14° 5 | 18° 5 | 26°10 | 24°29 | 11°39 | 15°14 | 22°27 | 16°59 | 17°42 | 7°32 | n.a. | T 13 |
| W14 | 2 27 6 | 6°48'39 | 7♊19 | 29°19 | 15°17 | 17°58 | 26°17 | 24°33 | 11°42 | 15°16 | 22°29 | 17° 0 | 17°39 | 7°39 | n.a. | W14 |
| T 15 | 2 31 2 | 7°49'58 | 19°16 | 0♏53 | 16°30 | 17°50 | 26°25 | 24°36 | 11°45 | 15°18 | 22°31 | 17° 0 | 17°36 | 7°45 | n.a. | T 15 |
| F 16 | 2 34 59 | 8°51'18 | 1♋20 | 2°27 | 17°42 | 17°42 | 26°32 | 24°40 | 11°48 | 15°20 | 22°34 | 17° 1 | 17°33 | 7°52 | n.a. | F 16 |
| S 17 | 2 38 56 | 9°52'37 | 13°37 | 4° 1 | 18°54 | 17°33 | 26°40 | 24°43 | 11°51 | 15°21 | 22°36 | 17° 2 | 17°29 | 7°59 | n.a. | S 17 |
| S 18 | 2 42 52 | 10°53'56 | 26° 9 | 5°36 | 20° 6 | 17°23 | 26°48 | 24°47 | 11°55 | 15°23 | 22°38 | 17° 3 | 17°26 | 8° 5 | n.a. | S 18 |
| M19 | 2 46 49 | 11°55'16 | 9♌ 1 | 7°11 | 21°19 | 17°13 | 26°56 | 24°51 | 11°58 | 15°25 | 22°40 | 17°R 3 | 17°23 | 8°12 | n.a. | M19 |
| T 20 | 2 50 45 | 12°56'35 | 22°15 | 8°47 | 22°31 | 17° 1 | 27° 4 | 24°54 | 12° 1 | 15°27 | 22°43 | 17° 3 | 17°20 | 8°19 | n.a. | T 20 |
| W21 | 2 54 42 | 13°57'54 | 5♍54 | 10°23 | 23°43 | 16°49 | 27°13 | 24°58 | 12° 4 | 15°29 | 22°45 | 17° 3 | 17°17 | 8°25 | n.a. | W21 |
| T 22 | 2 58 38 | 14°59'14 | 20° 0 | 11°59 | 24°55 | 16°36 | 27°21 | 25° 2 | 12° 7 | 15°31 | 22°47 | 17° 3 | 17°14 | 8°32 | n.a. | T 22 |
| F 23 | 3 2 35 | 16° 0'33 | 4♎31 | 13°35 | 26° 6 | 16°22 | 27°30 | 25° 7 | 12°10 | 15°33 | 22°49 | 17° 2 | 17°10 | 8°39 | n.a. | F 23 |
| S 24 | 3 6 32 | 17° 1'52 | 19°24 | 15°12 | 27°18 | 16° 7 | 27°39 | 25°11 | 12°14 | 15°35 | 22°51 | 17°D 2 | 17° 7 | 8°45 | n.a. | S 24 |
| S 25 | 3 10 28 | 18° 3'11 | 4♏31 | 16°50 | 28°30 | 15°52 | 27°48 | 25°15 | 12°17 | 15°38 | 22°53 | 17° 2 | 17° 4 | 8°52 | n.a. | S 25 |
| M26 | 3 14 25 | 19° 4'29 | 19°44 | 18°27 | 29°41 | 15°36 | 27°57 | 25°20 | 12°20 | 15°40 | 22°56 | 17°R 2 | 17° 1 | 8°58 | n.a. | M26 |
| T 27 | 3 18 21 | 20° 5'47 | 4♐54 | 20° 6 | 0♑53 | 15°19 | 28° 6 | 25°24 | 12°23 | 15°42 | 22°58 | 17° 2 | 16°58 | 9° 5 | n.a. | T 27 |
| W28 | 3 22 18 | 21° 7'04 | 19°50 | 21°44 | 2° 4 | 15° 1 | 28°15 | 25°29 | 12°27 | 15°44 | 23° 0 | 17° 2 | 16°55 | 9°12 | n.a. | W28 |
| T 29 | 3 26 14 | 22° 8'21 | 4♑26 | 23°23 | 3°16 | 14°43 | 28°25 | 25°33 | 12°30 | 15°46 | 23° 2 | 17° 1 | 16°51 | 9°18 | n.a. | T 29 |
| F 30 | 3 30 11 | 23♏ 9'36 | 18♑36 | 25♏ 3 | 4♑27 | 14♊24 | 28♑34 | 25♑38 | 12♐33 | 15♐48 | 23♎ 4 | 17♏ 1 | 16♏48 | 9♉25 | n.a. | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 9s19 | 20s34 | 3n18 | 2s52 | 1n 0 | 22s16 | 1s51 | 25n12 | 1n48 | 22s58 | 1s25 | 23s27 | 1s44 | 22s48 | 0s15 | 22s36 | 0n27 | 0n29 | 9n57 | 17s19 | 17s38 | 14n53 | | n.a. |
| F 2 | 9 42 | 19 22 | 4 11 | 3 35 | 0 53 | 22 33 | 1 53 | 25 14 | 1 51 | 22 57 | 1 25 | 23 26 | 1 43 | 22 49 | 0 15 | 22 36 | 0 27 | 0 28 | 9 57 | 17 19 | 17 37 | 14 54 | | n.a. |
| S 3 | 10 5 | 17 7 | 4 49 | 4 17 | 0 46 | 22 50 | 1 54 | 25 17 | 1 53 | 22 56 | 1 25 | 23 26 | 1 43 | 22 49 | 0 15 | 22 36 | 0 27 | 0 27 | 9 57 | 17 19 | 17 36 | 14 55 | | n.a. |
| S 4 | 10 27 | 14 2 | 5 10 | 4 59 | 0 39 | 23 6 | 1 56 | 25 20 | 1 56 | 22 55 | 1 25 | 23 25 | 1 43 | 22 49 | 0 15 | 22 37 | 0 27 | 0 26 | 9 57 | 17 19 | 17 35 | 14 57 | | n.a. |
| M 5 | 10 50 | 10 21 | 5 16 | 5 42 | 0 32 | 23 22 | 1 57 | 25 22 | 1 58 | 22 53 | 1 25 | 23 25 | 1 43 | 22 50 | 0 15 | 22 37 | 0 27 | 0 25 | 9 57 | 17 19 | 17 34 | 14 58 | | n.a. |
| T 6 | 11 12 | 6 18 | 5 6 | 6 24 | 0 26 | 23 37 | 1 59 | 25 25 | 2 1 | 22 52 | 1 24 | 23 24 | 1 43 | 22 50 | 0 15 | 22 37 | 0 27 | 0 25 | 9 57 | 17 18 | 17 33 | 15 0 | | n.a. |
| W 7 | 11 34 | 2 4 | 4 42 | 7 6 | 0 19 | 23 51 | 2 0 | 25 27 | 2 3 | 22 51 | 1 24 | 23 23 | 1 43 | 22 50 | 0 15 | 22 37 | 0 27 | 0 24 | 9 57 | 17 17 | 17 32 | 15 1 | | n.a. |
| T 8 | 11 56 | 2n12 | 4 6 | 7 48 | 0 12 | 24 4 | 2 1 | 25 30 | 2 6 | 22 49 | 1 24 | 23 23 | 1 43 | 22 51 | 0 15 | 22 37 | 0 27 | 0 23 | 9 57 | 17 16 | 17 32 | 15 3 | | n.a. |
| F 9 | 12 18 | 6 20 | 3 19 | 8 29 | 0 5 | 24 17 | 2 2 | 25 32 | 2 9 | 22 48 | 1 24 | 23 22 | 1 43 | 22 51 | 0 15 | 22 38 | 0 27 | 0 22 | 9 57 | 17 16 | 17 31 | 15 4 | | n.a. |
| S 10 | 12 40 | 10 12 | 2 24 | 9 11 | 0s 1 | 24 29 | 2 3 | 25 34 | 2 11 | 22 46 | 1 24 | 23 22 | 1 43 | 22 52 | 0 15 | 22 38 | 0 26 | 0 21 | 9 57 | 17 15 | 17 30 | 15 5 | | n.a. |
| S 11 | 13 1 | 13 39 | 1 23 | 9 52 | 0 8 | 24 41 | 2 4 | 25 37 | 2 14 | 22 45 | 1 23 | 23 21 | 1 42 | 22 52 | 0 15 | 22 38 | 0 26 | 0 20 | 9 57 | 17 15 | 17 29 | 15 7 | | n.a. |
| M12 | 13 22 | 16 33 | 0 18 | 10 32 | 0 15 | 24 51 | 2 5 | 25 39 | 2 17 | 22 43 | 1 23 | 23 20 | 1 42 | 22 52 | 0 15 | 22 38 | 0 26 | 0 19 | 9 57 | 17 15 | 17 28 | 15 8 | | n.a. |
| T 13 | 13 43 | 18 45 | 0s47 | 11 13 | 0 21 | 25 1 | 2 5 | 25 41 | 2 19 | 22 42 | 1 23 | 23 20 | 1 42 | 22 53 | 0 15 | 22 39 | 0 26 | 0 18 | 9 57 | 17 15 | 17 27 | 15 10 | | n.a. |
| W14 | 14 4 | 20 9 | 1 51 | 11 53 | 0 28 | 25 10 | 2 6 | 25 43 | 2 22 | 22 40 | 1 23 | 23 19 | 1 42 | 22 53 | 0 15 | 22 39 | 0 26 | 0 18 | 9 57 | 17 15 | 17 26 | 15 11 | | n.a. |
| T 15 | 14 24 | 20 39 | 2 50 | 12 32 | 0 34 | 25 19 | 2 6 | 25 45 | 2 25 | 22 38 | 1 23 | 23 18 | 1 42 | 22 54 | 0 15 | 22 39 | 0 26 | 0 17 | 9 57 | 17 15 | 17 25 | 15 12 | | n.a. |
| F 16 | 14 44 | 20 12 | 3 43 | 13 11 | 0 40 | 25 26 | 2 7 | 25 47 | 2 27 | 22 37 | 1 22 | 23 17 | 1 42 | 22 54 | 0 15 | 22 39 | 0 26 | 0 16 | 9 57 | 17 15 | 17 24 | 15 14 | | n.a. |
| S 17 | 15 4 | 18 48 | 4 26 | 13 50 | 0 46 | 25 33 | 2 7 | 25 49 | 2 30 | 22 35 | 1 22 | 23 17 | 1 42 | 22 55 | 0 15 | 22 40 | 0 26 | 0 15 | 9 57 | 17 16 | 17 23 | 15 15 | | n.a. |
| S 18 | 15 24 | 16 28 | 4 57 | 14 28 | 0 52 | 25 40 | 2 8 | 25 50 | 2 33 | 22 33 | 1 22 | 23 16 | 1 42 | 22 55 | 0 15 | 22 40 | 0 26 | 0 14 | 9 57 | 17 16 | 17 22 | 15 16 | | n.a. |
| M19 | 15 43 | 13 18 | 5 15 | 15 5 | 0 58 | 25 45 | 2 8 | 25 52 | 2 35 | 22 31 | 1 22 | 23 15 | 1 42 | 22 55 | 0 15 | 22 40 | 0 26 | 0 13 | 9 57 | 17 16 | 17 22 | 15 18 | | n.a. |
| T 20 | 16 2 | 9 23 | 5 17 | 15 42 | 1 3 | 25 50 | 2 8 | 25 53 | 2 38 | 22 30 | 1 22 | 23 14 | 1 41 | 22 56 | 0 15 | 22 40 | 0 26 | 0 13 | 9 57 | 17 16 | 17 21 | 15 19 | | n.a. |
| W21 | 16 21 | 4 52 | 5 1 | 16 19 | 1 9 | 25 53 | 2 8 | 25 55 | 2 41 | 22 28 | 1 21 | 23 13 | 1 41 | 22 56 | 0 15 | 22 40 | 0 26 | 0 12 | 9 57 | 17 16 | 17 20 | 15 21 | | n.a. |
| T 22 | 16 39 | 0s 3 | 4 27 | 16 54 | 1 14 | 25 57 | 2 8 | 25 56 | 2 43 | 22 26 | 1 21 | 23 12 | 1 41 | 22 57 | 0 15 | 22 41 | 0 26 | 0 11 | 9 57 | 17 16 | 17 19 | 15 22 | | n.a. |
| F 23 | 16 57 | 5 7 | 3 35 | 17 29 | 1 19 | 25 59 | 2 7 | 25 57 | 2 46 | 22 24 | 1 21 | 23 12 | 1 41 | 22 57 | 0 15 | 22 41 | 0 26 | 0 10 | 9 57 | 17 16 | 17 18 | 15 23 | | n.a. |
| S 24 | 17 15 | 10 1 | 2 28 | 18 3 | 1 24 | 26 0 | 2 7 | 25 58 | 2 49 | 22 22 | 1 21 | 23 11 | 1 41 | 22 58 | 0 15 | 22 41 | 0 26 | 0 10 | 9 57 | 17 16 | 17 17 | 15 25 | | n.a. |
| S 25 | 17 33 | 14 22 | 1 9 | 18 36 | 1 28 | 26 1 | 2 7 | 25 59 | 2 51 | 22 20 | 1 21 | 23 10 | 1 41 | 22 58 | 0 15 | 22 41 | 0 26 | 0 9 | 9 57 | 17 16 | 17 16 | 15 26 | | n.a. |
| M26 | 17 50 | 17 47 | 0n15 | 19 9 | 1 33 | 26 1 | 2 6 | 26 0 | 2 54 | 22 18 | 1 20 | 23 9 | 1 41 | 22 58 | 0 15 | 22 42 | 0 26 | 0 8 | 9 57 | 17 16 | 17 15 | 15 27 | | n.a. |
| T 27 | 18 7 | 19 56 | 1 38 | 19 40 | 1 37 | 26 0 | 2 6 | 26 1 | 2 56 | 22 16 | 1 20 | 23 8 | 1 41 | 22 59 | 0 15 | 22 42 | 0 26 | 0 7 | 9 57 | 17 16 | 17 14 | 15 29 | | n.a. |
| W28 | 18 24 | 20 39 | 2 53 | 20 11 | 1 41 | 25 59 | 2 5 | 26 1 | 2 59 | 22 14 | 1 20 | 23 7 | 1 41 | 22 59 | 0 15 | 22 42 | 0 26 | 0 7 | 9 57 | 17 15 | 17 13 | 15 30 | | n.a. |
| T 29 | 18 40 | 19 56 | 3 54 | 20 40 | 1 44 | 25 57 | 2 4 | 26 2 | 3 1 | 22 12 | 1 20 | 23 6 | 1 41 | 23 0 | 0 15 | 22 42 | 0 26 | 0 6 | 9 57 | 17 15 | 17 12 | 15 31 | | n.a. |
| F 30 | 18s56 | 17s59 | 4n40 | 21s 9 | 1s48 | 25s53 | 2s 3 | 26n 2 | 3n 4 | 22s 9 | 1s20 | 23s 5 | 1s41 | 23s 0 | 0s15 | 22s43 | 0n26 | 0n 5 | 9n57 | 17s15 | 17s11 | 15n33 | | n.a. |

Julian Day Number = 1008394.5, Delta T = 12h42m55s
Ecliptic obliquity = 23°55'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'22, Lahiri = -30°52'21 Julian Calendar 1 Nov. 1953 BCE == Greg. Calendar 15 Oct. 1953 BCE


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# ASTRODIENST EPHEMERIS for the year 1953 BCE
# geocentric

## DECEMBER 1953 BCE (-1952) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 34 7 | 24♏10'51 | 2♒19 | 26♏43 | 5♑38 | 14°R 5 | 28♑44 | 25♑43 | 12♐37 | 15♐50 | 23♎ 6 | 17°R 0 | 16♏45 | 9♉32 | n.a. | S 1 |
| S 2 | 3 38 4 | 25°12'05 | 15°34 | 28°24 | 6°49 | 13♊45 | 28°54 | 25°48 | 12°40 | 15°52 | 23° 8 | 17♏ 0 | 16°42 | 9°38 | n.a. | S 2 |
| M 3 | 3 42 1 | 26°13'17 | 28°25 | 0♐ 5 | 8° 0 | 13°24 | 29° 4 | 25°53 | 12°44 | 15°55 | 23°10 | 16°D59 | 16°39 | 9°45 | n.a. | M 3 |
| T 4 | 3 45 57 | 27°14'28 | 10♓54 | 1°46 | 9°10 | 13° 3 | 29°14 | 25°58 | 12°47 | 15°57 | 23°12 | 17° 0 | 16°35 | 9°52 | n.a. | T 4 |
| W 5 | 3 49 54 | 28°15'38 | 23° 7 | 3°28 | 10°21 | 12°41 | 29°24 | 26° 3 | 12°50 | 15°59 | 23°14 | 17° 1 | 16°32 | 9°58 | n.a. | W 5 |
| T 6 | 3 53 50 | 29°16'47 | 5♈ 8 | 5°11 | 11°32 | 12°19 | 29°35 | 26° 8 | 12°54 | 16° 1 | 23°16 | 17° 2 | 16°29 | 10° 5 | n.a. | T 6 |
| F 7 | 3 57 47 | 0♐17'55 | 17° 0 | 6°54 | 12°42 | 11°57 | 29°45 | 26°13 | 12°57 | 16° 3 | 23°18 | 17° 3 | 16°26 | 10°12 | n.a. | F 7 |
| S 8 | 4 1 43 | 1°19'02 | 28°48 | 8°37 | 13°52 | 11°34 | 29°56 | 26°19 | 13° 1 | 16° 5 | 23°20 | 17° 4 | 16°23 | 10°18 | n.a. | S 8 |
| S 9 | 4 5 40 | 2°20'08 | 10♉35 | 10°20 | 15° 2 | 11°11 | 0♒ 6 | 26°24 | 13° 4 | 16° 8 | 23°22 | 17° 5 | 16°20 | 10°25 | n.a. | S 9 |
| M10 | 4 9 37 | 3°21'12 | 22°24 | 12° 4 | 16°12 | 10°48 | 0°17 | 26°30 | 13° 7 | 16°10 | 23°24 | 17°R 5 | 16°16 | 10°32 | n.a. | M10 |
| T 11 | 4 13 33 | 4°22'16 | 4♊17 | 13°48 | 17°22 | 10°24 | 0°28 | 26°35 | 13°11 | 16°12 | 23°26 | 17° 4 | 16°13 | 10°38 | n.a. | T 11 |
| W12 | 4 17 30 | 5°23'18 | 16°16 | 15°32 | 18°32 | 10° 1 | 0°39 | 26°41 | 13°14 | 16°14 | 23°27 | 17° 2 | 16°10 | 10°45 | n.a. | W12 |
| T 13 | 4 21 26 | 6°24'19 | 28°23 | 17°16 | 19°41 | 9°37 | 0°50 | 26°47 | 13°18 | 16°17 | 23°29 | 17° 0 | 16° 7 | 10°51 | n.a. | T 13 |
| F 14 | 4 25 23 | 7°25'20 | 10♋40 | 18°59 | 20°51 | 9°13 | 1° 1 | 26°52 | 13°21 | 16°19 | 23°31 | 16°56 | 16° 4 | 10°58 | n.a. | F 14 |
| S 15 | 4 29 19 | 8°26'19 | 23° 8 | 20°42 | 22° 0 | 8°49 | 1°13 | 26°58 | 13°25 | 16°21 | 23°33 | 16°53 | 16° 1 | 11° 5 | n.a. | S 15 |
| S 16 | 4 33 16 | 9°27'17 | 5♌49 | 22°25 | 23° 9 | 8°25 | 1°24 | 27° 4 | 13°28 | 16°23 | 23°35 | 16°50 | 15°57 | 11°11 | n.a. | S 16 |
| M17 | 4 37 12 | 10°28'14 | 18°45 | 24° 7 | 24°18 | 8° 1 | 1°36 | 27°10 | 13°32 | 16°26 | 23°36 | 16°47 | 15°54 | 11°18 | n.a. | M17 |
| T 18 | 4 41 9 | 11°29'10 | 1♍58 | 25°47 | 25°27 | 7°37 | 1°47 | 27°16 | 13°35 | 16°28 | 23°38 | 16°46 | 15°51 | 11°25 | n.a. | T 18 |
| W19 | 4 45 6 | 12°30'04 | 15°30 | 27°27 | 26°35 | 7°13 | 1°59 | 27°22 | 13°39 | 16°30 | 23°40 | 16°D45 | 15°48 | 11°31 | n.a. | W19 |
| T 20 | 4 49 2 | 13°30'58 | 29°22 | 29° 4 | 27°44 | 6°49 | 2°11 | 27°28 | 13°42 | 16°33 | 23°42 | 16°46 | 15°45 | 11°38 | n.a. | T 20 |
| F 21 | 4 52 59 | 14°31'51 | 13♎34 | 0♑39 | 28°52 | 6°26 | 2°22 | 27°35 | 13°46 | 16°35 | 23°43 | 16°47 | 15°41 | 11°45 | n.a. | F 21 |
| S 22 | 4 56 55 | 15°32'42 | 28° 5 | 2°11 | 0♒ 0 | 6° 3 | 2°34 | 27°41 | 13°49 | 16°37 | 23°45 | 16°49 | 15°38 | 11°51 | n.a. | S 22 |
| S 23 | 5 0 52 | 16°33'32 | 12♏52 | 3°39 | 1° 8 | 5°40 | 2°46 | 27°47 | 13°53 | 16°39 | 23°46 | 16°R50 | 15°35 | 11°58 | n.a. | S 23 |
| M24 | 5 4 48 | 17°34'21 | 27°49 | 5° 4 | 2°16 | 5°18 | 2°59 | 27°54 | 13°56 | 16°42 | 23°48 | 16°49 | 15°32 | 12° 5 | n.a. | M24 |
| T 25 | 5 8 45 | 18°35'09 | 12♐48 | 6°24 | 3°23 | 4°55 | 3°11 | 28° 0 | 14° 0 | 16°44 | 23°49 | 16°47 | 15°29 | 12°11 | n.a. | T 25 |
| W26 | 5 12 42 | 19°35'55 | 27°41 | 7°39 | 4°30 | 4°34 | 3°23 | 28° 7 | 14° 3 | 16°46 | 23°51 | 16°44 | 15°26 | 12°18 | n.a. | W26 |
| T 27 | 5 16 38 | 20°36'40 | 12♑19 | 8°47 | 5°37 | 4°13 | 3°35 | 28°13 | 14° 7 | 16°48 | 23°52 | 16°39 | 15°22 | 12°25 | n.a. | T 27 |
| F 28 | 5 20 35 | 21°37'22 | 26°36 | 9°49 | 6°44 | 3°52 | 3°48 | 28°20 | 14°10 | 16°51 | 23°54 | 16°33 | 15°19 | 12°31 | n.a. | F 28 |
| S 29 | 5 24 31 | 22°38'03 | 10♒28 | 10°43 | 7°51 | 3°32 | 4° 0 | 28°26 | 14°14 | 16°53 | 23°55 | 16°28 | 15°16 | 12°38 | n.a. | S 29 |
| S 30 | 5 28 28 | 23°38'42 | 23°52 | 11°28 | 8°57 | 3°12 | 4°13 | 28°33 | 14°17 | 16°55 | 23°57 | 16°23 | 15°13 | 12°44 | n.a. | S 30 |
| M31 | 5 32 24 | 24♐39'19 | 6♓49 | 12♑ 5 | 10♒ 3 | 2♊53 | 4♒26 | 28♑40 | 14♐21 | 16♐58 | 23♎58 | 16♏20 | 15♏10 | 12♉51 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 19s12 | 15s 3 | 5n 8 | 21s36 | 1s51 | 25s50 | 2s 2 | 26n 2 | 3n 6 | 22s 7 | 1s20 | 23s 4 | 1s40 | 23s 1 | 0s15 | 22s43 | 0n26 | 0n 5 | 9n57 | 17s15 | 17s11 | 15n34 | | n.a. |
| S 2 | 19 27 | 11 26 | 5 18 | 22 2 | 1 53 | 25 45 | 2 1 | 26 2 | 3 9 | 22 5 | 1 19 | 23 3 | 1 40 | 23 1 | 0 15 | 22 43 | 0 26 | 0 4 | 9 57 | 17 15 | 17 10 | 15 35 | | n.a. |
| M 3 | 19 42 | 7 24 | 5 12 | 22 27 | 1 56 | 25 40 | 2 0 | 26 1 | 3 11 | 22 3 | 1 19 | 23 2 | 1 40 | 23 2 | 0 15 | 22 43 | 0 26 | 0 3 | 9 57 | 17 15 | 17 9 | 15 37 | | n.a. |
| T 4 | 19 56 | 3 9 | 4 51 | 22 51 | 1 58 | 25 34 | 1 58 | 26 1 | 3 13 | 22 0 | 1 19 | 23 1 | 1 40 | 23 2 | 0 15 | 22 44 | 0 26 | 0 3 | 9 57 | 17 15 | 17 8 | 15 38 | | n.a. |
| W 5 | 20 10 | 1n 8 | 4 17 | 23 13 | 1 59 | 25 27 | 1 57 | 26 0 | 3 15 | 21 58 | 1 19 | 23 0 | 1 40 | 23 3 | 0 15 | 22 44 | 0 26 | 0 2 | 9 57 | 17 15 | 17 7 | 15 39 | | n.a. |
| T 6 | 20 24 | 5 19 | 3 33 | 23 34 | 2 0 | 25 19 | 1 55 | 25 59 | 3 18 | 21 56 | 1 19 | 22 59 | 1 40 | 23 3 | 0 15 | 22 44 | 0 26 | 0 1 | 9 58 | 17 15 | 17 6 | 15 41 | | n.a. |
| F 7 | 20 37 | 9 15 | 2 39 | 23 53 | 2 1 | 25 11 | 1 54 | 25 58 | 3 20 | 21 53 | 1 19 | 22 58 | 1 40 | 23 3 | 0 15 | 22 44 | 0 26 | 0 1 | 9 58 | 17 16 | 17 5 | 15 42 | | n.a. |
| S 8 | 20 50 | 12 49 | 1 40 | 24 10 | 2 1 | 25 2 | 1 52 | 25 57 | 3 22 | 21 51 | 1 18 | 22 57 | 1 40 | 23 4 | 0 15 | 22 45 | 0 26 | 0 0 | 9 58 | 17 16 | 17 4 | 15 43 | | n.a. |
| S 9 | 21 3 | 15 52 | 0 36 | 24 26 | 2 1 | 24 52 | 1 50 | 25 56 | 3 24 | 21 48 | 1 18 | 22 55 | 1 40 | 23 4 | 0 15 | 22 45 | 0 26 | 0s 1 | 9 58 | 17 16 | 17 3 | 15 45 | | n.a. |
| M10 | 21 15 | 18 16 | 0s29 | 24 40 | 2 0 | 24 42 | 1 48 | 25 54 | 3 25 | 21 46 | 1 18 | 22 54 | 1 40 | 23 5 | 0 15 | 22 45 | 0 26 | 0 1 | 9 58 | 17 16 | 17 2 | 15 46 | | n.a. |
| T 11 | 21 26 | 19 53 | 1 34 | 24 53 | 1 59 | 24 31 | 1 46 | 25 52 | 3 27 | 21 43 | 1 18 | 22 53 | 1 40 | 23 5 | 0 15 | 22 45 | 0 26 | 0 2 | 9 58 | 17 16 | 17 1 | 15 47 | | n.a. |
| W12 | 21 38 | 20 38 | 2 35 | 25 3 | 1 57 | 24 19 | 1 44 | 25 50 | 3 29 | 21 41 | 1 18 | 22 52 | 1 40 | 23 6 | 0 15 | 22 46 | 0 26 | 0 2 | 9 58 | 17 16 | 17 0 | 15 48 | | n.a. |
| T 13 | 21 49 | 20 25 | 3 29 | 25 11 | 1 54 | 24 7 | 1 41 | 25 48 | 3 31 | 21 38 | 1 18 | 22 51 | 1 40 | 23 6 | 0 15 | 22 46 | 0 26 | 0 3 | 9 58 | 17 15 | 16 59 | 15 50 | | n.a. |
| F 14 | 21 59 | 19 15 | 4 14 | 25 18 | 1 51 | 23 54 | 1 39 | 25 46 | 3 32 | 21 35 | 1 18 | 22 50 | 1 39 | 23 7 | 0 15 | 22 46 | 0 26 | 0 3 | 9 59 | 17 14 | 16 58 | 15 51 | | n.a. |
| S 15 | 22 9 | 17 9 | 4 49 | 25 22 | 1 47 | 23 40 | 1 36 | 25 43 | 3 34 | 21 33 | 1 17 | 22 48 | 1 39 | 23 7 | 0 15 | 22 46 | 0 26 | 0 4 | 9 59 | 17 13 | 16 57 | 15 52 | | n.a. |
| S 16 | 22 19 | 14 12 | 5 9 | 25 24 | 1 43 | 23 25 | 1 34 | 25 41 | 3 35 | 21 30 | 1 17 | 22 47 | 1 39 | 23 7 | 0 15 | 22 47 | 0 26 | 0 4 | 9 59 | 17 12 | 16 57 | 15 54 | | n.a. |
| M17 | 22 28 | 10 31 | 5 15 | 25 24 | 1 37 | 23 10 | 1 31 | 25 38 | 3 36 | 21 27 | 1 17 | 22 46 | 1 39 | 23 8 | 0 15 | 22 47 | 0 26 | 0 5 | 9 59 | 17 11 | 16 56 | 15 55 | | n.a. |
| T 18 | 22 37 | 6 16 | 5 4 | 25 22 | 1 31 | 22 55 | 1 28 | 25 35 | 3 37 | 21 25 | 1 17 | 22 45 | 1 39 | 23 8 | 0 15 | 22 47 | 0 26 | 0 5 | 9 59 | 17 11 | 16 55 | 15 56 | | n.a. |
| W19 | 22 45 | 1 36 | 4 36 | 25 18 | 1 24 | 22 39 | 1 25 | 25 32 | 3 39 | 21 22 | 1 17 | 22 43 | 1 39 | 23 9 | 0 15 | 22 47 | 0 26 | 0 6 | 9 59 | 17 11 | 16 54 | 15 57 | | n.a. |
| T 20 | 22 53 | 3s17 | 3 52 | 25 11 | 1 16 | 22 22 | 1 22 | 25 29 | 3 40 | 21 19 | 1 17 | 22 42 | 1 39 | 23 9 | 0 15 | 22 48 | 0 26 | 0 6 | 9 59 | 17 11 | 16 53 | 15 59 | | n.a. |
| F 21 | 23 0 | 8 6 | 2 53 | 25 2 | 1 8 | 22 5 | 1 19 | 25 26 | 3 40 | 21 16 | 1 17 | 22 41 | 1 39 | 23 10 | 0 15 | 22 48 | 0 26 | 0 7 | 10 0 | 17 11 | 16 52 | 16 0 | | n.a. |
| S 22 | 23 7 | 12 34 | 1 41 | 24 52 | 0 58 | 21 47 | 1 15 | 25 22 | 3 41 | 21 13 | 1 17 | 22 39 | 1 39 | 23 10 | 0 15 | 22 48 | 0 26 | 0 7 | 10 0 | 17 12 | 16 51 | 16 1 | | n.a. |
| S 23 | 23 13 | 16 21 | 0 22 | 24 39 | 0 47 | 21 28 | 1 12 | 25 19 | 3 42 | 21 10 | 1 16 | 22 38 | 1 39 | 23 11 | 0 15 | 22 48 | 0 26 | 0 8 | 10 0 | 17 12 | 16 50 | 16 2 | | n.a. |
| M24 | 23 19 | 19 6 | 1n 0 | 24 25 | 0 36 | 21 9 | 1 8 | 25 15 | 3 43 | 21 7 | 1 16 | 22 37 | 1 39 | 23 11 | 0 15 | 22 49 | 0 26 | 0 8 | 10 0 | 17 12 | 16 49 | 16 4 | | n.a. |
| T 25 | 23 25 | 20 31 | 2 18 | 24 9 | 0 23 | 20 50 | 1 5 | 25 12 | 3 43 | 21 4 | 1 16 | 22 35 | 1 39 | 23 11 | 0 15 | 22 49 | 0 26 | 0 8 | 10 0 | 17 11 | 16 48 | 16 5 | | n.a. |
| W26 | 23 30 | 20 29 | 3 25 | 23 52 | 0 10 | 20 30 | 1 1 | 25 8 | 3 44 | 21 1 | 1 16 | 22 34 | 1 39 | 23 12 | 0 15 | 22 49 | 0 26 | 0 9 | 10 0 | 17 10 | 16 47 | 16 6 | | n.a. |
| T 27 | 23 35 | 19 3 | 4 18 | 23 33 | 0n 4 | 20 10 | 0 57 | 25 4 | 3 44 | 20 58 | 1 16 | 22 32 | 1 39 | 23 12 | 0 15 | 22 49 | 0 26 | 0 9 | 10 1 | 17 9 | 16 46 | 16 7 | | n.a. |
| F 28 | 23 39 | 16 27 | 4 53 | 23 14 | 0 19 | 19 49 | 0 53 | 25 1 | 3 44 | 20 55 | 1 16 | 22 31 | 1 39 | 23 13 | 0 15 | 22 50 | 0 26 | 0 10 | 10 1 | 17 7 | 16 45 | 16 9 | | n.a. |
| S 29 | 23 42 | 13 0 | 5 10 | 22 54 | 0 35 | 19 28 | 0 49 | 24 57 | 3 45 | 20 52 | 1 16 | 22 30 | 1 39 | 23 13 | 0 15 | 22 50 | 0 26 | 0 10 | 10 1 | 17 5 | 16 44 | 16 10 | | n.a. |
| S 30 | 23 46 | 8 59 | 5 9 | 22 34 | 0 51 | 19 6 | 0 45 | 24 53 | 3 45 | 20 49 | 1 16 | 22 28 | 1 39 | 23 14 | 0 15 | 22 50 | 0 26 | 0 10 | 10 1 | 17 4 | 16 43 | 16 11 | | n.a. |
| M31 | 23s48 | 4s40 | 4n52 | 22s14 | 1n 8 | 18s44 | 0s40 | 24n49 | 3n45 | 20s46 | 1s16 | 22s27 | 1s39 | 23s14 | 0s15 | 22s50 | 0n26 | 0s11 | 10n 1 | 17s 3 | 16s42 | 16n12 | | n.a. |

Julian Day Number = 1008424.5, Delta T = 12h42m53s
Ecliptic obliquity = 23°55'03, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'18, Lahiri = -30°52'17 Julian Calendar 1 Dec. 1953 BCE == Greg. Calendar 14 Nov. 1953 BCE

The year -1952 astronomical counting style corresponds to year 1953 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## JANUARY 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 36 21 | 25♐39'54 | 19♓23 | 12♑32 | 11♒ 9 | 2°R35 | 4♒38 | 28♑47 | 14♐24 | 17♐ 0 | 24♎ 0 | 16°R18 | 15♏ 7 | 12♉58 | n.a. | T 1 |
| W 2 | 5 40 17 | 26°40'26 | 1♈37 | 12°50 | 12°14 | 2♊17 | 4°51 | 28°53 | 14°28 | 17° 2 | 24° 1 | 16°D18 | 15° 3 | 13° 4 | n.a. | W 2 |
| T 3 | 5 44 14 | 27°40'57 | 13°37 | 12°R57 | 13°20 | 2° 1 | 5° 4 | 29° 0 | 14°31 | 17° 4 | 24° 2 | 16♏19 | 15° 0 | 13°11 | n.a. | T 3 |
| F 4 | 5 48 11 | 28°41'26 | 25°28 | 12°53 | 14°25 | 1°44 | 5°17 | 29° 7 | 14°34 | 17° 7 | 24° 3 | 16°21 | 14°57 | 13°18 | n.a. | F 4 |
| S 5 | 5 52 7 | 29°41'52 | 7♉14 | 12°39 | 15°29 | 1°29 | 5°30 | 29°14 | 14°38 | 17° 9 | 24° 5 | 16°22 | 14°54 | 13°24 | n.a. | S 5 |
| S 6 | 5 56 4 | 0♑42'17 | 19° 1 | 12°16 | 16°34 | 1°14 | 5°43 | 29°21 | 14°41 | 17°11 | 24° 6 | 16°R22 | 14°51 | 13°31 | n.a. | S 6 |
| M 7 | 6 0 0 | 1°42'40 | 0♊53 | 11°43 | 17°38 | 1° 0 | 5°56 | 29°28 | 14°45 | 17°13 | 24° 7 | 16°21 | 14°47 | 13°38 | n.a. | M 7 |
| T 8 | 6 3 57 | 2°43'00 | 12°53 | 11° 1 | 18°41 | 0°47 | 6° 9 | 29°35 | 14°48 | 17°16 | 24° 8 | 16°18 | 14°44 | 13°44 | n.a. | T 8 |
| W 9 | 6 7 53 | 3°43'19 | 25° 2 | 10°13 | 19°45 | 0°34 | 6°22 | 29°42 | 14°51 | 17°18 | 24° 9 | 16°12 | 14°41 | 13°51 | n.a. | W 9 |
| T 10 | 6 11 50 | 4°43'36 | 7♋24 | 9°17 | 20°48 | 0°22 | 6°36 | 29°49 | 14°55 | 17°20 | 24°10 | 16° 5 | 14°38 | 13°58 | n.a. | T 10 |
| F 11 | 6 15 46 | 5°43'50 | 19°58 | 8°18 | 21°51 | 0°11 | 6°49 | 29°56 | 14°58 | 17°22 | 24°11 | 15°56 | 14°35 | 14° 4 | n.a. | F 11 |
| S 12 | 6 19 43 | 6°44'03 | 2♌45 | 7°15 | 22°53 | 0° 1 | 7° 2 | 0♒ 4 | 15° 1 | 17°24 | 24°12 | 15°46 | 14°32 | 14°11 | n.a. | S 12 |
| S 13 | 6 23 40 | 7°44'14 | 15°45 | 6°11 | 23°55 | 29♉52 | 7°16 | 0°11 | 15° 5 | 17°26 | 24°13 | 15°37 | 14°28 | 14°18 | n.a. | S 13 |
| M14 | 6 27 36 | 8°44'23 | 28°56 | 5° 6 | 24°57 | 29°43 | 7°29 | 0°18 | 15° 8 | 17°29 | 24°14 | 15°29 | 14°25 | 14°24 | n.a. | M14 |
| T 15 | 6 31 33 | 9°44'30 | 12♍20 | 4° 4 | 25°58 | 29°35 | 7°43 | 0°25 | 15°11 | 17°31 | 24°15 | 15°24 | 14°22 | 14°31 | n.a. | T 15 |
| W16 | 6 35 29 | 10°44'35 | 25°56 | 3° 4 | 26°59 | 29°28 | 7°56 | 0°33 | 15°14 | 17°33 | 24°16 | 15°20 | 14°19 | 14°37 | n.a. | W16 |
| T 17 | 6 39 26 | 11°44'39 | 9♎44 | 2° 8 | 27°59 | 29°22 | 8°10 | 0°40 | 15°18 | 17°35 | 24°17 | 15°D19 | 14°16 | 14°44 | n.a. | T 17 |
| F 18 | 6 43 22 | 12°44'41 | 23°45 | 1°18 | 28°59 | 29°16 | 8°24 | 0°47 | 15°21 | 17°37 | 24°18 | 15°20 | 14°12 | 14°51 | n.a. | F 18 |
| S 19 | 6 47 19 | 13°44'41 | 7♏57 | 0°33 | 29°59 | 29°12 | 8°38 | 0°55 | 15°24 | 17°39 | 24°19 | 15°R20 | 14° 9 | 14°57 | n.a. | S 19 |
| S 20 | 6 51 15 | 14°44'39 | 22°21 | 29♐54 | 0♓58 | 29° 8 | 8°51 | 1° 2 | 15°27 | 17°41 | 24°19 | 15°20 | 14° 6 | 15° 4 | n.a. | S 20 |
| M21 | 6 55 12 | 15°44'36 | 6♑52 | 29°22 | 1°56 | 29° 5 | 9° 5 | 1°10 | 15°30 | 17°43 | 24°20 | 15°19 | 14° 3 | 15°11 | n.a. | M21 |
| T 22 | 6 59 9 | 16°44'31 | 21°28 | 28°56 | 2°54 | 29° 2 | 9°19 | 1°17 | 15°34 | 17°45 | 24°21 | 15°14 | 14° 0 | 15°17 | n.a. | T 22 |
| W23 | 7 3 5 | 17°44'23 | 6♒ 0 | 28°38 | 3°52 | 29° 1 | 9°33 | 1°24 | 15°37 | 17°48 | 24°22 | 15° 7 | 13°57 | 15°24 | n.a. | W23 |
| T 24 | 7 7 2 | 18°44'14 | 20°24 | 28°26 | 4°49 | 29° 0 | 9°47 | 1°32 | 15°40 | 17°50 | 24°22 | 14°58 | 13°53 | 15°31 | n.a. | T 24 |
| F 25 | 7 10 58 | 19°44'02 | 4♒32 | 28°D20 | 5°46 | 29°D 0 | 10° 1 | 1°39 | 15°43 | 17°52 | 24°23 | 14°47 | 13°50 | 15°37 | n.a. | F 25 |
| S 26 | 7 14 55 | 20°43'48 | 18°20 | 28°21 | 6°41 | 29° 0 | 10°15 | 1°47 | 15°46 | 17°54 | 24°23 | 14°36 | 13°47 | 15°44 | n.a. | S 26 |
| S 27 | 7 18 51 | 21°43'32 | 1♓44 | 28°28 | 7°37 | 29° 2 | 10°29 | 1°55 | 15°49 | 17°56 | 24°24 | 14°26 | 13°44 | 15°51 | n.a. | S 27 |
| M28 | 7 22 48 | 22°43'13 | 14°43 | 28°40 | 8°32 | 29° 4 | 10°43 | 2° 2 | 15°52 | 17°58 | 24°24 | 14°18 | 13°41 | 15°57 | n.a. | M28 |
| T 29 | 7 26 44 | 23°42'52 | 27°20 | 28°58 | 9°26 | 29° 7 | 10°57 | 2°10 | 15°55 | 17°59 | 24°25 | 14°13 | 13°38 | 16° 4 | n.a. | T 29 |
| W30 | 7 30 41 | 24°42'29 | 9♈36 | 29°21 | 10°19 | 29°10 | 11°11 | 2°17 | 15°58 | 18° 1 | 24°25 | 14°10 | 13°34 | 16°11 | n.a. | W30 |
| T 31 | 7 34 37 | 25♑42'03 | 21♈38 | 29♐49 | 11♓12 | 29♉14 | 11♒25 | 2♒25 | 16♐ 1 | 18♐ 3 | 24♎26 | 14°D 8 | 13♏31 | 16♉17 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| T 1 | 23 s51 | 0 s17 | 4n22 | 21 s54 | 1n25 | 18 s21 | 0 s36 | 24n46 | 3n45 | 20 s42 | 1 s16 | 22 s25 | 1 s39 | 23 s14 | 0 s15 | 22 s51 | 0n26 | 0 s11 | 10n 2 | 17 s 3 | 16 s41 | 16n13 | | | n.a. |
| W 2 | 23 52 | 4n 0 | 3 40 | 21 35 | 1 42 | 17 58 | 0 31 | 24 42 | 3 45 | 20 39 | 1 15 | 22 24 | 1 39 | 23 15 | 0 15 | 22 51 | 0 26 | 0 11 | 10 2 | 17 3 | 16 41 | 16 15 | | | n.a. |
| T 3 | 23 54 | 8 4 | 2 49 | 21 17 | 2 0 | 17 35 | 0 27 | 24 38 | 3 44 | 20 36 | 1 15 | 22 22 | 1 39 | 23 15 | 0 15 | 22 51 | 0 26 | 0 12 | 10 2 | 17 3 | 16 40 | 16 16 | | | n.a. |
| F 4 | 23 55 | 11 46 | 1 51 | 21 1 | 2 17 | 17 11 | 0 22 | 24 35 | 3 44 | 20 33 | 1 15 | 22 21 | 1 39 | 23 16 | 0 15 | 22 51 | 0 26 | 0 12 | 10 2 | 17 3 | 16 39 | 16 17 | | | n.a. |
| S 5 | 23 55 | 14 59 | 0 50 | 20 46 | 2 33 | 16 47 | 0 17 | 24 31 | 3 44 | 20 29 | 1 15 | 22 19 | 1 39 | 23 16 | 0 15 | 22 51 | 0 26 | 0 12 | 10 2 | 17 4 | 16 38 | 16 18 | | | n.a. |
| S 6 | 23 55 | 17 36 | 0 s14 | 20 32 | 2 49 | 16 23 | 0 12 | 24 27 | 3 43 | 20 26 | 1 15 | 22 18 | 1 39 | 23 16 | 0 15 | 22 52 | 0 26 | 0 12 | 10 3 | 17 4 | 16 37 | 16 19 | | | n.a. |
| M 7 | 23 54 | 19 28 | 1 18 | 20 21 | 3 3 | 15 58 | 0 7 | 24 24 | 3 43 | 20 22 | 1 15 | 22 16 | 1 38 | 23 17 | 0 15 | 22 52 | 0 26 | 0 13 | 10 3 | 17 4 | 16 36 | 16 21 | | | n.a. |
| T 8 | 23 53 | 20 30 | 2 19 | 20 11 | 3 16 | 15 33 | 0 2 | 24 21 | 3 42 | 20 19 | 1 15 | 22 15 | 1 38 | 23 17 | 0 15 | 22 52 | 0 26 | 0 13 | 10 3 | 17 3 | 16 35 | 16 22 | | | n.a. |
| W 9 | 23 52 | 20 36 | 3 14 | 20 3 | 3 28 | 15 8 | 0n 3 | 24 17 | 3 42 | 20 16 | 1 15 | 22 13 | 1 38 | 23 18 | 0 15 | 22 52 | 0 26 | 0 13 | 10 3 | 17 1 | 16 34 | 16 23 | | | n.a. |
| T 10 | 23 50 | 19 42 | 4 0 | 19 58 | 3 38 | 14 43 | 0 9 | 24 14 | 3 41 | 20 12 | 1 15 | 22 12 | 1 38 | 23 18 | 0 15 | 22 53 | 0 26 | 0 13 | 10 3 | 16 59 | 16 33 | 16 24 | | | n.a. |
| F 11 | 23 47 | 17 51 | 4 36 | 19 54 | 3 46 | 14 17 | 0 14 | 24 11 | 3 41 | 20 9 | 1 15 | 22 10 | 1 38 | 23 18 | 0 16 | 22 53 | 0 26 | 0 13 | 10 4 | 16 56 | 16 32 | 16 25 | | | n.a. |
| S 12 | 23 44 | 15 5 | 4 59 | 19 52 | 3 51 | 13 51 | 0 20 | 24 8 | 3 40 | 20 5 | 1 15 | 22 9 | 1 38 | 23 19 | 0 16 | 22 53 | 0 26 | 0 13 | 10 4 | 16 53 | 16 31 | 16 27 | | | n.a. |
| S 13 | 23 41 | 11 34 | 5 7 | 19 52 | 3 55 | 13 25 | 0 25 | 24 5 | 3 39 | 20 1 | 1 15 | 22 7 | 1 38 | 23 19 | 0 16 | 22 53 | 0 25 | 0 14 | 10 4 | 16 51 | 16 30 | 16 28 | | | n.a. |
| M14 | 23 37 | 7 25 | 4 58 | 19 53 | 3 56 | 12 59 | 0 31 | 24 3 | 3 38 | 19 58 | 1 15 | 22 5 | 1 38 | 23 20 | 0 16 | 22 53 | 0 25 | 0 14 | 10 4 | 16 48 | 16 29 | 16 29 | | | n.a. |
| T 15 | 23 33 | 2 52 | 4 34 | 19 57 | 3 55 | 12 32 | 0 37 | 24 0 | 3 37 | 19 54 | 1 14 | 22 4 | 1 38 | 23 20 | 0 16 | 22 54 | 0 25 | 0 14 | 10 5 | 16 47 | 16 28 | 16 30 | | | n.a. |
| W16 | 23 28 | 1 s55 | 3 53 | 20 1 | 3 52 | 12 6 | 0 43 | 23 58 | 3 37 | 19 51 | 1 14 | 22 2 | 1 38 | 23 20 | 0 16 | 22 54 | 0 25 | 0 14 | 10 5 | 16 46 | 16 27 | 16 31 | | | n.a. |
| T 17 | 23 23 | 6 40 | 2 59 | 20 7 | 3 47 | 11 39 | 0 49 | 23 55 | 3 36 | 19 47 | 1 14 | 22 1 | 1 38 | 23 21 | 0 16 | 22 54 | 0 25 | 0 14 | 10 5 | 16 45 | 16 26 | 16 32 | | | n.a. |
| F 18 | 23 18 | 11 9 | 1 53 | 20 14 | 3 40 | 11 12 | 0 55 | 23 53 | 3 35 | 19 43 | 1 14 | 21 59 | 1 38 | 23 21 | 0 16 | 22 54 | 0 25 | 0 14 | 10 5 | 16 45 | 16 25 | 16 33 | | | n.a. |
| S 19 | 23 11 | 15 4 | 0 40 | 20 23 | 3 32 | 10 45 | 1 1 | 23 51 | 3 34 | 19 39 | 1 14 | 21 57 | 1 38 | 23 21 | 0 16 | 22 55 | 0 25 | 0 14 | 10 6 | 16 46 | 16 24 | 16 35 | | | n.a. |
| S 20 | 23 5 | 18 7 | 0n37 | 20 32 | 3 23 | 10 18 | 1 8 | 23 49 | 3 33 | 19 36 | 1 14 | 21 56 | 1 38 | 23 22 | 0 16 | 22 55 | 0 25 | 0 14 | 10 6 | 16 46 | 16 23 | 16 36 | | | n.a. |
| M21 | 22 58 | 20 2 | 1 53 | 20 42 | 3 13 | 9 51 | 1 14 | 23 47 | 3 32 | 19 32 | 1 14 | 21 54 | 1 39 | 23 22 | 0 16 | 22 55 | 0 25 | 0 14 | 10 6 | 16 45 | 16 22 | 16 37 | | | n.a. |
| T 22 | 22 51 | 20 38 | 3 1 | 20 53 | 3 2 | 9 24 | 1 20 | 23 46 | 3 31 | 19 28 | 1 14 | 21 52 | 1 39 | 23 23 | 0 16 | 22 55 | 0 25 | 0 14 | 10 6 | 16 44 | 16 21 | 16 38 | | | n.a. |
| W23 | 22 43 | 19 51 | 3 56 | 21 5 | 2 50 | 8 56 | 1 27 | 23 44 | 3 30 | 19 24 | 1 14 | 21 51 | 1 39 | 23 23 | 0 16 | 22 55 | 0 25 | 0 14 | 10 7 | 16 42 | 16 20 | 16 39 | | | n.a. |
| T 24 | 22 35 | 17 47 | 4 36 | 21 17 | 2 37 | 8 29 | 1 34 | 23 43 | 3 28 | 19 20 | 1 14 | 21 49 | 1 39 | 23 23 | 0 16 | 22 56 | 0 25 | 0 14 | 10 7 | 16 39 | 16 19 | 16 40 | | | n.a. |
| F 25 | 22 26 | 14 41 | 4 59 | 21 30 | 2 25 | 8 2 | 1 40 | 23 42 | 3 27 | 19 17 | 1 14 | 21 47 | 1 39 | 23 24 | 0 16 | 22 56 | 0 25 | 0 14 | 10 7 | 16 36 | 16 18 | 16 41 | | | n.a. |
| S 26 | 22 17 | 10 50 | 5 3 | 21 43 | 2 12 | 7 35 | 1 47 | 23 41 | 3 26 | 19 13 | 1 14 | 21 46 | 1 39 | 23 24 | 0 16 | 22 56 | 0 25 | 0 14 | 10 7 | 16 32 | 16 18 | 16 43 | | | n.a. |
| S 27 | 22 7 | 6 34 | 4 50 | 21 56 | 1 59 | 7 7 | 1 54 | 23 40 | 3 25 | 19 9 | 1 14 | 21 44 | 1 39 | 23 24 | 0 16 | 22 56 | 0 25 | 0 14 | 10 7 | 16 29 | 16 17 | 16 44 | | | n.a. |
| M28 | 21 58 | 2 7 | 4 22 | 22 9 | 1 46 | 6 40 | 2 1 | 23 40 | 3 24 | 19 5 | 1 14 | 21 42 | 1 39 | 23 25 | 0 16 | 22 56 | 0 25 | 0 14 | 10 8 | 16 27 | 16 16 | 16 45 | | | n.a. |
| T 29 | 21 47 | 2n18 | 3 42 | 22 22 | 1 33 | 6 13 | 2 8 | 23 39 | 3 23 | 19 1 | 1 14 | 21 40 | 1 39 | 23 25 | 0 16 | 22 56 | 0 25 | 0 14 | 10 8 | 16 25 | 16 15 | 16 46 | | | n.a. |
| W30 | 21 37 | 6 31 | 2 53 | 22 35 | 1 20 | 5 46 | 2 15 | 23 39 | 3 21 | 18 57 | 1 14 | 21 39 | 1 39 | 23 25 | 0 16 | 22 57 | 0 25 | 0 14 | 10 8 | 16 24 | 16 14 | 16 47 | | | n.a. |
| T 31 | 21 s26 | 10n24 | 1n57 | 22 s48 | 1n 7 | 5 s19 | 2n22 | 23n38 | 3n20 | 18 s53 | 1 s14 | 21 s37 | 1 s39 | 23 s26 | 0 s16 | 22 s57 | 0n25 | 0 s14 | 10n 8 | 16 s24 | 16 s13 | 16n48 | | | n.a. |

Julian Day Number = 1008455.5, Delta T = 12h42m51s
Ecliptic obliquity = 23°55'02, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'14, Lahiri = -30°52'13 Julian Calendar 1 Jan. 1952 BCE == Greg. Calendar 15 Dec. 1953 BCE

The year -1951 astronomical counting style corresponds to year 1952 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## FEBRUARY 1952 BCE (-1951) JC — 00:00 UT

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

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 21s14 | 13n49 | 0n56 | 23s 0 | 0n55 | 4s52 | 2n29 | 23n38 | 3n19 | 18s49 | 1s14 | 21s35 | 1s39 | 23s26 | 0s16 | 22s57 | 0n25 | 0s14 | 10n 9 | 16s24 | 16s12 | 16n49 | | n.a. |
| S 2 | 21 2 | 16 39 | 0s 6 | 23 12 | 0 43 | 4 26 | 2 37 | 23 38 | 3 18 | 18 45 | 1 14 | 21 33 | 1 39 | 23 26 | 0 16 | 22 57 | 0 25 | 0 14 | 10 9 | 16 24 | 16 11 | 16 50 | | n.a. |
| S 3 | 20 50 | 18 48 | 1 8 | 23 24 | 0 31 | 3 59 | 2 44 | 23 39 | 3 17 | 18 41 | 1 14 | 21 32 | 1 39 | 23 27 | 0 16 | 22 57 | 0 25 | 0 14 | 10 9 | 16 24 | 16 10 | 16 51 | | n.a. |
| M 4 | 20 38 | 20 8 | 2 8 | 23 34 | 0 19 | 3 33 | 2 52 | 23 39 | 3 15 | 18 37 | 1 14 | 21 30 | 1 39 | 23 27 | 0 16 | 22 58 | 0 25 | 0 14 | 10 9 | 16 23 | 16 9 | 16 52 | | n.a. |
| T 5 | 20 25 | 20 34 | 3 3 | 23 45 | 0 8 | 3 7 | 2 59 | 23 39 | 3 14 | 18 32 | 1 14 | 21 28 | 1 39 | 23 27 | 0 16 | 22 58 | 0 25 | 0 13 | 10 10 | 16 22 | 16 8 | 16 54 | | n.a. |
| W 6 | 20 11 | 20 2 | 3 50 | 23 54 | 0s 3 | 2 41 | 3 7 | 23 40 | 3 13 | 18 28 | 1 14 | 21 26 | 1 39 | 23 28 | 0 16 | 22 58 | 0 25 | 0 13 | 10 10 | 16 19 | 16 7 | 16 55 | | n.a. |
| T 7 | 19 58 | 18 31 | 4 27 | 24 3 | 0 13 | 2 15 | 3 14 | 23 41 | 3 12 | 18 24 | 1 14 | 21 25 | 1 39 | 23 28 | 0 16 | 22 58 | 0 25 | 0 13 | 10 10 | 16 16 | 16 6 | 16 56 | | n.a. |
| F 8 | 19 44 | 16 3 | 4 51 | 24 10 | 0 23 | 1 50 | 3 22 | 23 42 | 3 10 | 18 20 | 1 14 | 21 23 | 1 39 | 23 28 | 0 16 | 22 58 | 0 25 | 0 13 | 10 10 | 16 12 | 16 5 | 16 57 | | n.a. |
| S 9 | 19 30 | 12 43 | 5 1 | 24 17 | 0 33 | 1 25 | 3 29 | 23 43 | 3 9 | 18 16 | 1 14 | 21 21 | 1 39 | 23 28 | 0 16 | 22 58 | 0 25 | 0 13 | 10 11 | 16 8 | 16 4 | 16 58 | | n.a. |
| S 10 | 19 15 | 8 42 | 4 54 | 24 23 | 0 42 | 1 0 | 3 37 | 23 44 | 3 8 | 18 11 | 1 14 | 21 19 | 1 39 | 23 29 | 0 16 | 22 58 | 0 25 | 0 13 | 10 11 | 16 4 | 16 3 | 16 59 | | n.a. |
| M11 | 19 0 | 4 11 | 4 31 | 24 27 | 0 51 | 0 36 | 3 45 | 23 45 | 3 7 | 18 7 | 1 14 | 21 18 | 1 39 | 23 29 | 0 16 | 22 59 | 0 25 | 0 12 | 10 11 | 16 1 | 16 2 | 17 0 | | n.a. |
| T 12 | 18 45 | 0s36 | 3 51 | 24 31 | 1 0 | 0 12 | 3 53 | 23 46 | 3 5 | 18 3 | 1 14 | 21 16 | 1 39 | 23 29 | 0 16 | 22 59 | 0 25 | 0 12 | 10 11 | 15 59 | 16 1 | 17 1 | | n.a. |
| W13 | 18 29 | 5 24 | 2 58 | 24 33 | 1 8 | 0n12 | 4 0 | 23 47 | 3 4 | 17 59 | 1 14 | 21 14 | 1 40 | 23 30 | 0 16 | 22 59 | 0 25 | 0 12 | 10 12 | 15 57 | 16 0 | 17 2 | | n.a. |
| T 14 | 18 13 | 9 57 | 1 54 | 24 34 | 1 16 | 0 35 | 4 8 | 23 49 | 3 3 | 17 54 | 1 14 | 21 12 | 1 40 | 23 30 | 0 16 | 22 59 | 0 25 | 0 12 | 10 12 | 15 56 | 15 59 | 17 3 | | n.a. |
| F 15 | 17 57 | 13 59 | 0 42 | 24 34 | 1 23 | 0 58 | 4 16 | 23 51 | 3 2 | 17 50 | 1 14 | 21 10 | 1 40 | 23 30 | 0 16 | 22 59 | 0 25 | 0 11 | 10 12 | 15 56 | 15 58 | 17 4 | | n.a. |
| S 16 | 17 41 | 17 13 | 0n32 | 24 32 | 1 30 | 1 20 | 4 24 | 23 52 | 3 0 | 17 46 | 1 14 | 21 9 | 1 40 | 23 30 | 0 16 | 22 59 | 0 25 | 0 11 | 10 12 | 15 56 | 15 57 | 17 5 | | n.a. |
| S 17 | 17 24 | 19 26 | 1 45 | 24 29 | 1 36 | 1 42 | 4 31 | 23 54 | 2 59 | 17 41 | 1 14 | 21 7 | 1 40 | 23 31 | 0 16 | 22 59 | 0 25 | 0 11 | 10 13 | 15 56 | 15 56 | 17 6 | | n.a. |
| M18 | 17 7 | 20 26 | 2 51 | 24 25 | 1 42 | 2 3 | 4 39 | 23 56 | 2 58 | 17 37 | 1 14 | 21 5 | 1 40 | 23 31 | 0 16 | 23 0 | 0 25 | 0 10 | 10 13 | 15 55 | 15 55 | 17 7 | | n.a. |
| T 19 | 16 49 | 20 8 | 3 47 | 24 19 | 1 47 | 2 24 | 4 47 | 23 58 | 2 57 | 17 33 | 1 14 | 21 3 | 1 40 | 23 31 | 0 16 | 23 0 | 0 25 | 0 10 | 10 13 | 15 53 | 15 54 | 17 8 | | n.a. |
| W20 | 16 32 | 18 35 | 4 28 | 24 11 | 1 52 | 2 44 | 4 55 | 24 0 | 2 56 | 17 28 | 1 14 | 21 2 | 1 40 | 23 31 | 0 16 | 23 0 | 0 25 | 0 10 | 10 13 | 15 51 | 15 53 | 17 9 | | n.a. |
| T 21 | 16 14 | 15 56 | 4 53 | 24 2 | 1 57 | 3 4 | 5 2 | 24 2 | 2 54 | 17 24 | 1 14 | 21 0 | 1 40 | 23 32 | 0 16 | 23 0 | 0 25 | 0 10 | 10 14 | 15 47 | 15 52 | 17 10 | | n.a. |
| F 22 | 15 56 | 12 26 | 5 1 | 23 51 | 2 1 | 3 22 | 5 10 | 24 4 | 2 53 | 17 20 | 1 14 | 20 58 | 1 40 | 23 32 | 0 16 | 23 0 | 0 25 | 0 9 | 10 14 | 15 44 | 15 51 | 17 11 | | n.a. |
| S 23 | 15 38 | 8 22 | 4 51 | 23 39 | 2 5 | 3 41 | 5 18 | 24 6 | 2 52 | 17 15 | 1 14 | 20 56 | 1 40 | 23 32 | 0 16 | 23 0 | 0 25 | 0 9 | 10 14 | 15 40 | 15 50 | 17 12 | | n.a. |
| S 24 | 15 19 | 3 59 | 4 26 | 23 24 | 2 8 | 3 58 | 5 25 | 24 8 | 2 51 | 17 11 | 1 14 | 20 54 | 1 40 | 23 32 | 0 16 | 23 0 | 0 25 | 0 9 | 10 14 | 15 36 | 15 49 | 17 13 | | n.a. |
| M25 | 15 0 | 0n29 | 3 47 | 23 9 | 2 10 | 4 15 | 5 33 | 24 11 | 2 50 | 17 6 | 1 14 | 20 53 | 1 41 | 23 32 | 0 16 | 23 0 | 0 25 | 0 8 | 10 14 | 15 33 | 15 48 | 17 14 | | n.a. |
| T 26 | 14 41 | 4 49 | 2 58 | 22 51 | 2 13 | 4 31 | 5 40 | 24 13 | 2 48 | 17 2 | 1 14 | 20 51 | 1 41 | 23 33 | 0 16 | 23 1 | 0 25 | 0 8 | 10 15 | 15 31 | 15 47 | 17 15 | | n.a. |
| W27 | 14 22 | 8 51 | 2 2 | 22 32 | 2 14 | 4 46 | 5 47 | 24 15 | 2 47 | 16 57 | 1 14 | 20 49 | 1 41 | 23 33 | 0 16 | 23 1 | 0 25 | 0 7 | 10 15 | 15 29 | 15 46 | 17 16 | | n.a. |
| T 28 | 14s 2 | 12n28 | 1n 2 | 22s11 | 2s16 | 5n 0 | 5n54 | 24n18 | 2n46 | 16s53 | 1s14 | 20s47 | 1s41 | 23s33 | 0s16 | 23s 1 | 0n25 | 0s 7 | 10n15 | 15s28 | 15s45 | 17n17 | | n.a. |

Julian Day Number = 1008486.5, Delta T = 12h42m48s
Ecliptic obliquity = 23°55'02, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'10, Lahiri = -30°52'09 Julian Calendar 1 Feb. 1952 BCE == Greg. Calendar 15 Jan. 1952 BCE

The year -1951 astronomical counting style corresponds to year 1952 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## MARCH 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 28 57 | 24♒13'22 | 11♉20 | 4♒12 | 29♓19 | 5♊25 | 18♒20 | 6♒ 4 | 17♐10 | 18♐49 | 24°R23 | 11°D 9 | 11♏59 | 19♉30 | n.a. | F 1 |
| S 2 | 9 32 54 | 25°11'51 | 23° 8 | 5°52 | 29°34 | 5°45 | 18°35 | 6°11 | 17°12 | 18°50 | 24♎22 | 11°R 9 | 11°56 | 19°37 | n.a. | S 2 |
| S 3 | 9 36 50 | 26°10'17 | 4♊58 | 7°34 | 29°47 | 6° 5 | 18°49 | 6°19 | 17°13 | 18°51 | 24°21 | 11♏ 9 | 11°53 | 19°43 | n.a. | S 3 |
| M 4 | 9 40 47 | 27° 8'41 | 16°55 | 9°17 | 29°58 | 6°26 | 19° 3 | 6°26 | 17°15 | 18°52 | 24°21 | 11° 7 | 11°50 | 19°50 | n.a. | M 4 |
| T 5 | 9 44 43 | 28° 7'02 | 29° 3 | 11° 2 | 0♈ 7 | 6°46 | 19°17 | 6°33 | 17°17 | 18°53 | 24°20 | 11° 3 | 11°46 | 19°56 | n.a. | T 5 |
| W 6 | 9 48 40 | 29° 5'22 | 11♋27 | 12°49 | 0°13 | 7° 8 | 19°32 | 6°40 | 17°18 | 18°54 | 24°19 | 10°57 | 11°43 | 20° 3 | n.a. | W 6 |
| T 7 | 9 52 37 | 0♓ 3'39 | 24°11 | 14°37 | 0°18 | 7°29 | 19°46 | 6°48 | 17°20 | 18°55 | 24°19 | 10°48 | 11°40 | 20°10 | n.a. | T 7 |
| F 8 | 9 56 33 | 1° 1'54 | 7♌16 | 16°26 | 0°R20 | 7°51 | 20° 0 | 6°55 | 17°21 | 18°56 | 24°18 | 10°38 | 11°37 | 20°16 | n.a. | F 8 |
| S 9 | 10 0 30 | 2° 0'07 | 20°42 | 18°18 | 0°19 | 8°13 | 20°14 | 7° 2 | 17°23 | 18°57 | 24°17 | 10°26 | 11°34 | 20°23 | n.a. | S 9 |
| S 10 | 10 4 26 | 2°58'18 | 4♍27 | 20°11 | 0°16 | 8°35 | 20°29 | 7° 9 | 17°24 | 18°58 | 24°16 | 10°16 | 11°30 | 20°30 | n.a. | S 10 |
| M11 | 10 8 23 | 3°56'27 | 18°27 | 22° 6 | 0°11 | 8°58 | 20°43 | 7°16 | 17°26 | 18°59 | 24°15 | 10° 6 | 11°27 | 20°36 | n.a. | M11 |
| T 12 | 10 12 19 | 4°54'34 | 2♎38 | 24° 2 | 0° 3 | 9°21 | 20°57 | 7°23 | 17°27 | 19° 0 | 24°15 | 9°59 | 11°24 | 20°43 | n.a. | T 12 |
| W13 | 10 16 16 | 5°52'39 | 16°55 | 26° 0 | 29♓52 | 9°45 | 21°11 | 7°30 | 17°28 | 19° 1 | 24°14 | 9°55 | 11°21 | 20°50 | n.a. | W13 |
| T 14 | 10 20 12 | 6°50'43 | 1♏14 | 27°59 | 29°40 | 10° 8 | 21°25 | 7°37 | 17°30 | 19° 2 | 24°13 | 9°53 | 11°18 | 20°56 | n.a. | T 14 |
| F 15 | 10 24 9 | 7°48'45 | 15°31 | 0♓ 0 | 29°24 | 10°32 | 21°39 | 7°44 | 17°31 | 19° 3 | 24°12 | 9°D52 | 11°15 | 21° 3 | n.a. | F 15 |
| S 16 | 10 28 5 | 8°46'45 | 29°43 | 2° 3 | 29° 7 | 10°56 | 21°53 | 7°51 | 17°32 | 19° 3 | 24°11 | 9°53 | 11°11 | 21°10 | n.a. | S 16 |
| S 17 | 10 32 2 | 9°44'45 | 13♐49 | 4° 7 | 28°47 | 11°21 | 22° 7 | 7°58 | 17°33 | 19° 4 | 24°10 | 9°R53 | 11° 8 | 21°16 | n.a. | S 17 |
| M18 | 10 35 59 | 10°42'42 | 27°49 | 6°12 | 28°25 | 11°45 | 22°21 | 8° 5 | 17°34 | 19° 5 | 24° 9 | 9°52 | 11° 5 | 21°23 | n.a. | M18 |
| T 19 | 10 39 55 | 11°40'39 | 11♑41 | 8°19 | 28° 0 | 12°10 | 22°35 | 8°12 | 17°35 | 19° 5 | 24° 8 | 9°48 | 11° 2 | 21°30 | n.a. | T 19 |
| W20 | 10 43 52 | 12°38'33 | 25°24 | 10°26 | 27°34 | 12°36 | 22°49 | 8°19 | 17°36 | 19° 6 | 24° 7 | 9°43 | 10°59 | 21°36 | n.a. | W20 |
| T 21 | 10 47 48 | 13°36'27 | 8♒57 | 12°35 | 27° 6 | 13° 1 | 23° 3 | 8°25 | 17°37 | 19° 7 | 24° 6 | 9°35 | 10°55 | 21°43 | n.a. | T 21 |
| F 22 | 10 51 45 | 14°34'18 | 22°18 | 14°44 | 26°35 | 13°27 | 23°17 | 8°32 | 17°38 | 19° 7 | 24° 4 | 9°26 | 10°52 | 21°49 | n.a. | F 22 |
| S 23 | 10 55 41 | 15°32'08 | 5♓26 | 16°54 | 26° 3 | 13°53 | 23°31 | 8°39 | 17°39 | 19° 8 | 24° 3 | 9°16 | 10°49 | 21°56 | n.a. | S 23 |
| S 24 | 10 59 38 | 16°29'57 | 18°18 | 19° 4 | 25°30 | 14°19 | 23°44 | 8°45 | 17°40 | 19° 8 | 24° 2 | 9° 8 | 10°46 | 22° 3 | n.a. | S 24 |
| M25 | 11 3 34 | 17°27'43 | 0♈56 | 21°14 | 24°55 | 14°46 | 23°58 | 8°52 | 17°40 | 19° 9 | 24° 1 | 9° 0 | 10°43 | 22° 9 | n.a. | M25 |
| T 26 | 11 7 31 | 18°25'28 | 13°18 | 23°23 | 24°19 | 15°12 | 24°12 | 8°58 | 17°41 | 19° 9 | 24° 0 | 8°55 | 10°40 | 22°16 | n.a. | T 26 |
| W27 | 11 11 27 | 19°23'12 | 25°28 | 25°32 | 23°42 | 15°39 | 24°26 | 9° 5 | 17°42 | 19°10 | 23°59 | 8°52 | 10°36 | 22°23 | n.a. | W27 |
| T 28 | 11 15 24 | 20°20'54 | 7♉26 | 27°40 | 23° 5 | 16° 6 | 24°39 | 9°11 | 17°42 | 19°10 | 23°57 | 8°D51 | 10°33 | 22°29 | n.a. | T 28 |
| F 29 | 11 19 21 | 21°18'34 | 19°17 | 29°48 | 22°27 | 16°34 | 24°53 | 9°17 | 17°43 | 19°10 | 23°56 | 8°51 | 10°30 | 22°36 | n.a. | F 29 |
| S 30 | 11 23 17 | 22°16'12 | 1♊ 5 | 1♈53 | 21°49 | 17° 1 | 25° 6 | 9°24 | 17°43 | 19°11 | 23°55 | 8°53 | 10°27 | 22°43 | n.a. | S 30 |
| S 31 | 11 27 14 | 23♓13'49 | 12♊55 | 3♈57 | 21♓11 | 17♊29 | 25♒20 | 9♒30 | 17♐44 | 19♐11 | 23♎53 | 8♏54 | 10♏24 | 22♉49 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 13s43 | 15n31 | 0s 1 | 21s48 | 2s16 | 5n14 | 6n 1 | 24n20 | 2n45 | 16s48 | 1s14 | 20s45 | 1s41 | 23s33 | 0s16 | 23s 1 | 0n25 | 0s 7 | 10n15 | 15s28 | 15s44 | 17n18 | | n.a. |
| S 2 | 13 23 | 17 54 | 1 3 | 21 23 | 2 16 | 5 26 | 6 8 | 24 23 | 2 44 | 16 44 | 1 14 | 20 44 | 1 41 | 23 33 | 0 16 | 23 1 | 0 25 | 0 6 | 10 15 | 15 28 | 15 43 | 17 19 | | n.a. |
| S 3 | 13 3 | 19 32 | 2 3 | 20 56 | 2 16 | 5 37 | 6 15 | 24 25 | 2 43 | 16 39 | 1 14 | 20 42 | 1 41 | 23 34 | 0 16 | 23 1 | 0 25 | 0 6 | 10 16 | 15 28 | 15 42 | 17 20 | | n.a. |
| M 4 | 12 42 | 20 18 | 2 58 | 20 27 | 2 15 | 5 48 | 6 21 | 24 28 | 2 41 | 16 35 | 1 14 | 20 40 | 1 41 | 23 34 | 0 16 | 23 1 | 0 25 | 0 5 | 10 16 | 15 28 | 15 41 | 17 21 | | n.a. |
| T 5 | 12 22 | 20 9 | 3 46 | 19 57 | 2 14 | 5 57 | 6 27 | 24 30 | 2 40 | 16 30 | 1 14 | 20 38 | 1 41 | 23 34 | 0 16 | 23 1 | 0 25 | 0 5 | 10 16 | 15 26 | 15 40 | 17 22 | | n.a. |
| W 6 | 12 1 | 19 2 | 4 24 | 19 24 | 2 12 | 6 5 | 6 33 | 24 33 | 2 39 | 16 26 | 1 14 | 20 37 | 1 42 | 23 34 | 0 16 | 23 1 | 0 25 | 0 5 | 10 16 | 15 24 | 15 39 | 17 23 | | n.a. |
| T 7 | 11 40 | 16 57 | 4 50 | 18 50 | 2 9 | 6 12 | 6 39 | 24 35 | 2 38 | 16 21 | 1 14 | 20 35 | 1 42 | 23 34 | 0 16 | 23 1 | 0 25 | 0 4 | 10 16 | 15 22 | 15 38 | 17 24 | | n.a. |
| F 8 | 11 19 | 13 57 | 5 2 | 18 13 | 2 6 | 6 17 | 6 44 | 24 38 | 2 37 | 16 17 | 1 14 | 20 33 | 1 42 | 23 35 | 0 16 | 23 2 | 0 25 | 0 4 | 10 17 | 15 18 | 15 37 | 17 25 | | n.a. |
| S 9 | 10 58 | 10 11 | 4 58 | 17 35 | 2 3 | 6 22 | 6 49 | 24 41 | 2 36 | 16 12 | 1 15 | 20 31 | 1 42 | 23 35 | 0 17 | 23 2 | 0 25 | 0 3 | 10 17 | 15 15 | 15 36 | 17 26 | | n.a. |
| S 10 | 10 37 | 5 47 | 4 36 | 16 55 | 1 58 | 6 25 | 6 54 | 24 43 | 2 35 | 16 8 | 1 15 | 20 30 | 1 42 | 23 35 | 0 17 | 23 2 | 0 25 | 0 3 | 10 17 | 15 11 | 15 35 | 17 27 | | n.a. |
| M11 | 10 16 | 1 1 | 3 58 | 16 13 | 1 54 | 6 26 | 6 58 | 24 46 | 2 34 | 16 3 | 1 15 | 20 28 | 1 42 | 23 35 | 0 17 | 23 2 | 0 25 | 0 2 | 10 17 | 15 8 | 15 34 | 17 28 | | n.a. |
| T 12 | 9 54 | 3s53 | 3 5 | 15 29 | 1 48 | 6 27 | 7 2 | 24 48 | 2 32 | 15 59 | 1 15 | 20 26 | 1 42 | 23 35 | 0 17 | 23 2 | 0 25 | 0 2 | 10 17 | 15 6 | 15 33 | 17 29 | | n.a. |
| W13 | 9 32 | 8 36 | 1 59 | 14 43 | 1 43 | 6 26 | 7 5 | 24 51 | 2 31 | 15 54 | 1 15 | 20 24 | 1 42 | 23 35 | 0 17 | 23 2 | 0 25 | 0 1 | 10 18 | 15 5 | 15 32 | 17 30 | | n.a. |
| T 14 | 9 10 | 12 51 | 0 46 | 13 55 | 1 36 | 6 23 | 7 8 | 24 53 | 2 30 | 15 49 | 1 15 | 20 23 | 1 43 | 23 36 | 0 17 | 23 2 | 0 25 | 0 1 | 10 18 | 15 4 | 15 31 | 17 31 | | n.a. |
| F 15 | 8 48 | 16 20 | 0n30 | 13 5 | 1 29 | 6 19 | 7 10 | 24 56 | 2 29 | 15 45 | 1 15 | 20 21 | 1 43 | 23 36 | 0 17 | 23 2 | 0 25 | 0 0 | 10 18 | 15 4 | 15 30 | 17 32 | | n.a. |
| S 16 | 8 26 | 18 48 | 1 44 | 12 14 | 1 22 | 6 13 | 7 12 | 24 58 | 2 28 | 15 40 | 1 15 | 20 19 | 1 43 | 23 36 | 0 17 | 23 2 | 0 25 | 0n 0 | 10 18 | 15 4 | 15 29 | 17 33 | | n.a. |
| S 17 | 8 4 | 20 5 | 2 51 | 11 20 | 1 14 | 6 6 | 7 13 | 25 1 | 2 27 | 15 36 | 1 15 | 20 18 | 1 43 | 23 36 | 0 17 | 23 2 | 0 25 | 0 1 | 10 18 | 15 4 | 15 28 | 17 34 | | n.a. |
| M18 | 7 42 | 20 6 | 3 47 | 10 26 | 1 6 | 5 58 | 7 13 | 25 3 | 2 26 | 15 31 | 1 15 | 20 16 | 1 43 | 23 36 | 0 17 | 23 2 | 0 25 | 0 1 | 10 18 | 15 4 | 15 27 | 17 35 | | n.a. |
| T 19 | 7 19 | 18 55 | 4 30 | 9 30 | 0 57 | 5 47 | 7 13 | 25 6 | 2 25 | 15 27 | 1 15 | 20 14 | 1 43 | 23 36 | 0 17 | 23 2 | 0 25 | 0 2 | 10 18 | 15 3 | 15 26 | 17 36 | | n.a. |
| W20 | 6 57 | 16 38 | 4 56 | 8 32 | 0 48 | 5 36 | 7 12 | 25 8 | 2 24 | 15 22 | 1 15 | 20 13 | 1 43 | 23 36 | 0 17 | 23 2 | 0 25 | 0 2 | 10 19 | 15 1 | 15 25 | 17 37 | | n.a. |
| T 21 | 6 34 | 13 28 | 5 5 | 7 33 | 0 38 | 5 23 | 7 10 | 25 10 | 2 23 | 15 17 | 1 15 | 20 11 | 1 44 | 23 36 | 0 17 | 23 2 | 0 25 | 0 3 | 10 19 | 14 58 | 15 24 | 17 37 | | n.a. |
| F 22 | 6 11 | 9 40 | 4 58 | 6 33 | 0 28 | 5 8 | 7 8 | 25 13 | 2 22 | 15 13 | 1 16 | 20 9 | 1 44 | 23 36 | 0 17 | 23 2 | 0 25 | 0 3 | 10 19 | 14 55 | 15 23 | 17 38 | | n.a. |
| S 23 | 5 49 | 5 27 | 4 35 | 5 33 | 0 18 | 4 52 | 7 5 | 25 15 | 2 21 | 15 8 | 1 16 | 20 8 | 1 44 | 23 37 | 0 17 | 23 2 | 0 25 | 0 4 | 10 19 | 14 52 | 15 22 | 17 39 | | n.a. |
| S 24 | 5 26 | 1 5 | 3 58 | 4 31 | 0 7 | 4 35 | 7 1 | 25 17 | 2 20 | 15 4 | 1 16 | 20 6 | 1 44 | 23 37 | 0 17 | 23 3 | 0 25 | 0 4 | 10 19 | 14 49 | 15 21 | 17 40 | | n.a. |
| M25 | 5 3 | 3n16 | 3 10 | 3 30 | 0n 3 | 4 17 | 6 56 | 25 19 | 2 19 | 14 59 | 1 16 | 20 4 | 1 44 | 23 37 | 0 17 | 23 3 | 0 25 | 0 5 | 10 19 | 14 47 | 15 20 | 17 41 | | n.a. |
| T 26 | 4 40 | 7 24 | 2 13 | 2 28 | 0 14 | 3 57 | 6 50 | 25 22 | 2 18 | 14 55 | 1 16 | 20 3 | 1 44 | 23 37 | 0 17 | 23 3 | 0 25 | 0 6 | 10 19 | 14 45 | 15 19 | 17 42 | | n.a. |
| W27 | 4 17 | 11 9 | 1 12 | 1 26 | 0 25 | 3 36 | 6 44 | 25 24 | 2 17 | 14 50 | 1 16 | 20 1 | 1 45 | 23 37 | 0 17 | 23 3 | 0 25 | 0 6 | 10 19 | 14 44 | 15 18 | 17 43 | | n.a. |
| T 28 | 3 54 | 14 23 | 0 8 | 0 24 | 0 35 | 3 15 | 6 36 | 25 26 | 2 16 | 14 46 | 1 16 | 20 0 | 1 45 | 23 37 | 0 17 | 23 3 | 0 25 | 0 7 | 10 20 | 14 44 | 15 17 | 17 44 | | n.a. |
| F 29 | 3 31 | 17 0 | 0s56 | 0n37 | 0 46 | 2 52 | 6 28 | 25 27 | 2 15 | 14 41 | 1 16 | 19 58 | 1 45 | 23 37 | 0 17 | 23 3 | 0 25 | 0 7 | 10 20 | 14 44 | 15 16 | 17 45 | | n.a. |
| S 30 | 3 8 | 18 52 | 1 58 | 1 37 | 0 56 | 2 29 | 6 20 | 25 29 | 2 14 | 14 36 | 1 16 | 19 57 | 1 45 | 23 37 | 0 17 | 23 3 | 0 25 | 0 8 | 10 20 | 14 44 | 15 15 | 17 46 | | n.a. |
| S 31 | 2s44 | 19n55 | 2s54 | 2n37 | 1n 6 | 2n 5 | 6n10 | 25n31 | 2n13 | 14s32 | 1s17 | 19s55 | 1s45 | 23s37 | 0s17 | 23s 3 | 0n25 | 0n 8 | 10n20 | 14s45 | 15s14 | 17n46 | | n.a. |

Julian Day Number = 1008514.5, Delta T = 12h42m47s
Ecliptic obliquity = 23°55'03, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'06, Lahiri = -30°52'05 Julian Calendar 1 March 1952 BCE == Greg. Calendar 12 Feb. 1952 BCE

The year -1951 astronomical counting style corresponds to year 1952 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## APRIL 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 11 31 10 | 24♓11'24 | 24♊51 | 5♈59 | 20°R33 | 17♊57 | 25♒33 | 9♒36 | 17♐44 | 19♐11 | 23°R52 | 8°R54 | 10♏21 | 22♉56 | n.a. | M 1 |
| T 2 | 11 35 7 | 25° 8'57 | 7♋ 0 | 7°59 | 19♓56 | 18°25 | 25°47 | 9°42 | 17°45 | 19°11 | 23♎51 | 8♏53 | 10°17 | 23° 3 | n.a. | T 2 |
| W 3 | 11 39 3 | 26° 6'29 | 19°25 | 9°57 | 19°20 | 18°54 | 26° 0 | 9°48 | 17°45 | 19°11 | 23°49 | 8°51 | 10°14 | 23° 9 | n.a. | W 3 |
| T 4 | 11 43 0 | 27° 3'59 | 2♌11 | 11°52 | 18°44 | 19°22 | 26°13 | 9°54 | 17°45 | 19°12 | 23°48 | 8°47 | 10°11 | 23°16 | n.a. | T 4 |
| F 5 | 11 46 56 | 28° 1'27 | 15°21 | 13°45 | 18°10 | 19°51 | 26°27 | 10° 0 | 17°45 | 19°12 | 23°47 | 8°41 | 10° 8 | 23°23 | n.a. | F 5 |
| S 6 | 11 50 53 | 28°58'54 | 28°56 | 15°34 | 17°37 | 20°20 | 26°40 | 10° 6 | 17°45 | 19°12 | 23°45 | 8°35 | 10° 5 | 23°29 | n.a. | S 6 |
| S 7 | 11 54 50 | 29°56'19 | 12♍54 | 17°21 | 17° 6 | 20°49 | 26°53 | 10°12 | 17°46 | 19°12 | 23°44 | 8°29 | 10° 1 | 23°36 | n.a. | S 7 |
| M 8 | 11 58 46 | 0♈53'44 | 27°12 | 19° 5 | 16°37 | 21°18 | 27° 6 | 10°18 | 17°R46 | 19°R12 | 23°42 | 8°24 | 9°58 | 23°43 | n.a. | M 8 |
| T 9 | 12 2 43 | 1°51'06 | 11♎46 | 20°46 | 16° 9 | 21°48 | 27°19 | 10°24 | 17°46 | 19°12 | 23°41 | 8°20 | 9°55 | 23°49 | n.a. | T 9 |
| W10 | 12 6 39 | 2°48'28 | 26°27 | 22°24 | 15°44 | 22°17 | 27°32 | 10°29 | 17°46 | 19°12 | 23°40 | 8°18 | 9°52 | 23°56 | n.a. | W10 |
| T 11 | 12 10 36 | 3°45'49 | 11♏11 | 23°59 | 15°21 | 22°47 | 27°45 | 10°35 | 17°45 | 19°12 | 23°38 | 8°D17 | 9°49 | 24° 2 | n.a. | T 11 |
| F 12 | 12 14 32 | 4°43'09 | 25°49 | 25°31 | 15° 0 | 23°17 | 27°58 | 10°40 | 17°45 | 19°12 | 23°37 | 8°18 | 9°46 | 24° 9 | n.a. | F 12 |
| S 13 | 12 18 29 | 5°40'28 | 10♐18 | 26°59 | 14°41 | 23°47 | 28°10 | 10°46 | 17°45 | 19°11 | 23°35 | 8°20 | 9°42 | 24°16 | n.a. | S 13 |
| S 14 | 12 22 25 | 6°37'46 | 24°34 | 28°25 | 14°25 | 24°18 | 28°23 | 10°51 | 17°45 | 19°11 | 23°34 | 8°21 | 9°39 | 24°22 | n.a. | S 14 |
| M15 | 12 26 22 | 7°35'04 | 8♑35 | 29°47 | 14°11 | 24°48 | 28°36 | 10°57 | 17°45 | 19°11 | 23°32 | 8°R21 | 9°36 | 24°29 | n.a. | M15 |
| T 16 | 12 30 19 | 8°32'21 | 22°20 | 1♉ 6 | 13°59 | 25°19 | 28°48 | 11° 2 | 17°44 | 19°11 | 23°30 | 8°21 | 9°33 | 24°36 | n.a. | T 16 |
| W17 | 12 34 15 | 9°29'37 | 5♒49 | 2°21 | 13°50 | 25°50 | 29° 1 | 11° 7 | 17°44 | 19°10 | 23°29 | 8°19 | 9°30 | 24°42 | n.a. | W17 |
| T 18 | 12 38 12 | 10°26'53 | 19° 3 | 3°33 | 13°44 | 26°21 | 29°13 | 11°12 | 17°43 | 19°10 | 23°27 | 8°15 | 9°26 | 24°49 | n.a. | T 18 |
| F 19 | 12 42 8 | 11°24'07 | 2♓ 3 | 4°42 | 13°39 | 26°52 | 29°26 | 11°17 | 17°43 | 19°10 | 23°26 | 8°11 | 9°23 | 24°56 | n.a. | F 19 |
| S 20 | 12 46 5 | 12°21'21 | 14°49 | 5°48 | 13°D37 | 27°23 | 29°38 | 11°22 | 17°42 | 19° 9 | 23°24 | 8° 7 | 9°20 | 25° 2 | n.a. | S 20 |
| S 21 | 12 50 1 | 13°18'35 | 27°22 | 6°49 | 13°38 | 27°54 | 29°50 | 11°27 | 17°42 | 19° 9 | 23°23 | 8° 3 | 9°17 | 25° 9 | n.a. | S 21 |
| M22 | 12 53 58 | 14°15'47 | 9♈42 | 7°47 | 13°41 | 28°26 | 0♓ 3 | 11°32 | 17°41 | 19° 9 | 23°21 | 8° 0 | 9°14 | 25°16 | n.a. | M22 |
| T 23 | 12 57 54 | 15°12'59 | 21°52 | 8°42 | 13°46 | 28°57 | 0°15 | 11°37 | 17°41 | 19° 8 | 23°20 | 7°58 | 9°11 | 25°22 | n.a. | T 23 |
| W24 | 13 1 51 | 16°10'10 | 3♉52 | 9°33 | 13°53 | 29°29 | 0°27 | 11°41 | 17°40 | 19° 8 | 23°18 | 7°D57 | 9° 7 | 25°29 | n.a. | W24 |
| T 25 | 13 5 48 | 17° 7'21 | 15°45 | 10°19 | 14° 2 | 0♋ 1 | 0°39 | 11°46 | 17°39 | 19° 7 | 23°16 | 7°58 | 9° 4 | 25°36 | n.a. | T 25 |
| F 26 | 13 9 44 | 18° 4'30 | 27°34 | 11° 2 | 14°14 | 0°33 | 0°51 | 11°51 | 17°38 | 19° 7 | 23°15 | 7°59 | 9° 1 | 25°42 | n.a. | F 26 |
| S 27 | 13 13 41 | 19° 1'39 | 9♊21 | 11°41 | 14°27 | 1° 6 | 1° 2 | 11°55 | 17°37 | 19° 6 | 23°13 | 8° 0 | 8°58 | 25°49 | n.a. | S 27 |
| S 28 | 13 17 37 | 19°58'47 | 21°11 | 12°16 | 14°43 | 1°38 | 1°14 | 11°59 | 17°37 | 19° 5 | 23°12 | 8° 1 | 8°55 | 25°56 | n.a. | S 28 |
| M29 | 13 21 34 | 20°55'54 | 3♋ 8 | 12°46 | 15° 0 | 2°10 | 1°26 | 12° 4 | 17°36 | 19° 5 | 23°10 | 8° 3 | 8°52 | 26° 2 | n.a. | M29 |
| T 30 | 13 25 30 | 21♈53'01 | 15♋16 | 13♉12 | 15♓19 | 2♋43 | 1♓37 | 12♒ 8 | 17♐35 | 19♐ 4 | 23♎ 8 | 8♏ 3 | 8♏48 | 26♉ 9 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 2s21 | 20n 6 | 3s43 | 3n35 | 1n16 | 1n41 | 6n 0 | 25n33 | 2n12 | 14s27 | 1s17 | 19s54 | 1s45 | 23s37 | 0s17 | 23s 3 | 0n25 | 0n 9 | 10n20 | 14s45 | 15s13 | 17n47 | | n.a. |
| T 2 | 1 58 | 19 20 | 4 24 | 4 32 | 1 25 | 1 17 | 5 49 | 25 34 | 2 11 | 14 23 | 1 17 | 19 52 | 1 46 | 23 37 | 0 17 | 23 3 | 0 25 | 0 9 | 10 20 | 14 45 | 15 12 | 17 48 | | n.a. |
| W 3 | 1 35 | 17 39 | 4 53 | 5 27 | 1 34 | 0 52 | 5 38 | 25 36 | 2 10 | 14 18 | 1 17 | 19 51 | 1 46 | 23 37 | 0 17 | 23 3 | 0 25 | 0 10 | 10 20 | 14 44 | 15 11 | 17 49 | | n.a. |
| T 4 | 1 11 | 15 4 | 5 8 | 6 21 | 1 42 | 0 27 | 5 26 | 25 37 | 2 9 | 14 14 | 1 17 | 19 49 | 1 46 | 23 37 | 0 17 | 23 3 | 0 25 | 0 11 | 10 20 | 14 43 | 15 10 | 17 50 | | n.a. |
| F 5 | 0 48 | 11 39 | 5 8 | 7 13 | 1 50 | 0 2 | 5 14 | 25 39 | 2 8 | 14 9 | 1 17 | 19 48 | 1 46 | 23 37 | 0 17 | 23 3 | 0 25 | 0 11 | 10 20 | 14 41 | 15 9 | 17 51 | | n.a. |
| S 6 | 0 25 | 7 32 | 4 51 | 8 3 | 1 57 | 0s22 | 5 2 | 25 40 | 2 7 | 14 5 | 1 17 | 19 46 | 1 46 | 23 38 | 0 17 | 23 3 | 0 25 | 0 12 | 10 20 | 14 39 | 15 8 | 17 52 | | n.a. |
| S 7 | 0 2 | 2 54 | 4 17 | 8 51 | 2 4 | 0 46 | 4 49 | 25 41 | 2 6 | 14 0 | 1 17 | 19 45 | 1 47 | 23 38 | 0 17 | 23 3 | 0 25 | 0 12 | 10 20 | 14 37 | 15 7 | 17 52 | | n.a. |
| M 8 | 0n22 | 2s 0 | 3 25 | 9 37 | 2 10 | 1 10 | 4 35 | 25 42 | 2 5 | 13 56 | 1 18 | 19 43 | 1 47 | 23 38 | 0 17 | 23 3 | 0 25 | 0 13 | 10 20 | 14 35 | 15 6 | 17 53 | | n.a. |
| T 9 | 0 45 | 6 53 | 2 20 | 10 20 | 2 15 | 1 33 | 4 22 | 25 43 | 2 4 | 13 51 | 1 18 | 19 42 | 1 47 | 23 38 | 0 17 | 23 3 | 0 25 | 0 13 | 10 20 | 14 34 | 15 5 | 17 54 | | n.a. |
| W10 | 1 8 | 11 24 | 1 4 | 11 2 | 2 19 | 1 56 | 4 8 | 25 44 | 2 3 | 13 47 | 1 18 | 19 40 | 1 47 | 23 38 | 0 17 | 23 3 | 0 25 | 0 14 | 10 20 | 14 33 | 15 4 | 17 55 | | n.a. |
| T 11 | 1 31 | 15 14 | 0n16 | 11 42 | 2 23 | 2 17 | 3 55 | 25 45 | 2 2 | 13 43 | 1 18 | 19 39 | 1 47 | 23 38 | 0 17 | 23 3 | 0 25 | 0 14 | 10 20 | 14 33 | 15 3 | 17 56 | | n.a. |
| F 12 | 1 55 | 18 4 | 1 34 | 12 19 | 2 26 | 2 38 | 3 41 | 25 46 | 2 1 | 13 38 | 1 18 | 19 38 | 1 48 | 23 38 | 0 17 | 23 3 | 0 25 | 0 15 | 10 21 | 14 33 | 15 2 | 17 57 | | n.a. |
| S 13 | 2 18 | 19 42 | 2 46 | 12 54 | 2 28 | 2 58 | 3 27 | 25 46 | 2 0 | 13 34 | 1 18 | 19 36 | 1 48 | 23 38 | 0 17 | 23 3 | 0 25 | 0 16 | 10 21 | 14 34 | 15 1 | 17 57 | | n.a. |
| S 14 | 2 41 | 20 2 | 3 47 | 13 27 | 2 30 | 3 17 | 3 13 | 25 47 | 2 0 | 13 29 | 1 18 | 19 35 | 1 48 | 23 38 | 0 17 | 23 3 | 0 25 | 0 16 | 10 21 | 14 34 | 15 0 | 17 58 | | n.a. |
| M15 | 3 4 | 19 6 | 4 32 | 13 57 | 2 30 | 3 35 | 3 0 | 25 47 | 1 59 | 13 25 | 1 19 | 19 34 | 1 48 | 23 38 | 0 17 | 23 3 | 0 25 | 0 17 | 10 21 | 14 34 | 14 59 | 17 59 | | n.a. |
| T 16 | 3 27 | 17 4 | 5 1 | 14 26 | 2 30 | 3 52 | 2 46 | 25 48 | 1 58 | 13 21 | 1 19 | 19 32 | 1 48 | 23 38 | 0 17 | 23 3 | 0 25 | 0 17 | 10 21 | 14 34 | 14 58 | 18 0 | | n.a. |
| W17 | 3 50 | 14 8 | 5 13 | 14 52 | 2 29 | 4 8 | 2 33 | 25 48 | 1 57 | 13 16 | 1 19 | 19 31 | 1 49 | 23 38 | 0 17 | 23 3 | 0 25 | 0 18 | 10 21 | 14 33 | 14 57 | 18 1 | | n.a. |
| T 18 | 4 13 | 10 32 | 5 8 | 15 15 | 2 28 | 4 23 | 2 19 | 25 48 | 1 56 | 13 12 | 1 19 | 19 30 | 1 49 | 23 38 | 0 17 | 23 3 | 0 25 | 0 18 | 10 21 | 14 32 | 14 56 | 18 2 | | n.a. |
| F 19 | 4 36 | 6 30 | 4 47 | 15 37 | 2 25 | 4 37 | 2 6 | 25 48 | 1 55 | 13 8 | 1 19 | 19 29 | 1 49 | 23 38 | 0 17 | 23 3 | 0 25 | 0 19 | 10 21 | 14 31 | 14 54 | 18 2 | | n.a. |
| S 20 | 4 59 | 2 14 | 4 12 | 15 56 | 2 22 | 4 49 | 1 54 | 25 48 | 1 54 | 13 4 | 1 19 | 19 28 | 1 49 | 23 38 | 0 17 | 23 3 | 0 25 | 0 20 | 10 20 | 14 30 | 14 53 | 18 3 | | n.a. |
| S 21 | 5 21 | 2n 3 | 3 25 | 16 13 | 2 18 | 5 1 | 1 41 | 25 47 | 1 53 | 12 59 | 1 19 | 19 26 | 1 49 | 23 38 | 0 17 | 23 3 | 0 25 | 0 20 | 10 20 | 14 28 | 14 52 | 18 4 | | n.a. |
| M22 | 5 44 | 6 12 | 2 29 | 16 28 | 2 13 | 5 11 | 1 29 | 25 47 | 1 52 | 12 55 | 1 20 | 19 25 | 1 50 | 23 37 | 0 18 | 23 3 | 0 25 | 0 21 | 10 20 | 14 27 | 14 51 | 18 5 | | n.a. |
| T 23 | 6 6 | 10 2 | 1 28 | 16 41 | 2 7 | 5 20 | 1 17 | 25 46 | 1 51 | 12 51 | 1 20 | 19 24 | 1 50 | 23 37 | 0 18 | 23 2 | 0 25 | 0 21 | 10 20 | 14 27 | 14 50 | 18 6 | | n.a. |
| W24 | 6 29 | 13 25 | 0 23 | 16 51 | 2 0 | 5 28 | 1 5 | 25 46 | 1 51 | 12 47 | 1 20 | 19 23 | 1 50 | 23 37 | 0 18 | 23 2 | 0 25 | 0 22 | 10 20 | 14 26 | 14 49 | 18 6 | | n.a. |
| T 25 | 6 51 | 16 12 | 0s43 | 16 59 | 1 53 | 5 35 | 0 53 | 25 45 | 1 50 | 12 43 | 1 20 | 19 22 | 1 50 | 23 37 | 0 18 | 23 2 | 0 25 | 0 22 | 10 20 | 14 26 | 14 48 | 18 7 | | n.a. |
| F 26 | 7 14 | 18 17 | 1 46 | 17 5 | 1 44 | 5 41 | 0 42 | 25 44 | 1 49 | 12 38 | 1 20 | 19 21 | 1 51 | 23 37 | 0 18 | 23 2 | 0 25 | 0 23 | 10 20 | 14 27 | 14 47 | 18 8 | | n.a. |
| S 27 | 7 36 | 19 35 | 2 45 | 17 9 | 1 35 | 5 46 | 0 31 | 25 43 | 1 48 | 12 34 | 1 20 | 19 20 | 1 51 | 23 37 | 0 18 | 23 2 | 0 25 | 0 23 | 10 20 | 14 27 | 14 46 | 18 9 | | n.a. |
| S 28 | 7 58 | 20 1 | 3 37 | 17 10 | 1 25 | 5 49 | 0 21 | 25 41 | 1 47 | 12 30 | 1 21 | 19 19 | 1 51 | 23 37 | 0 18 | 23 2 | 0 25 | 0 24 | 10 20 | 14 28 | 14 45 | 18 9 | | n.a. |
| M29 | 8 20 | 19 33 | 4 20 | 17 10 | 1 15 | 5 52 | 0 10 | 25 40 | 1 46 | 12 26 | 1 21 | 19 18 | 1 51 | 23 37 | 0 18 | 23 2 | 0 25 | 0 24 | 10 20 | 14 28 | 14 44 | 18 10 | | n.a. |
| T 30 | 8n41 | 18n11 | 4s52 | 17n 7 | 1n 3 | 5s53 | 0n 0 | 25n39 | 1n45 | 12s22 | 1s21 | 19s17 | 1s52 | 23s37 | 0s18 | 23s 2 | 0n25 | 0n25 | 10n20 | 14s28 | 14s43 | 18n11 | | n.a. |

Julian Day Number = 1008545.5, Delta T = 12h42m44s
Ecliptic obliquity = 23°55'03, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°59'02, Lahiri = -30°52'01 Julian Calendar 1 Apr. 1952 BCE == Greg. Calendar 15 March 1952 BCE


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## MAY 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 13 29 27 | 22♈50'06 | 27♋39 | 13♉34 | 15♓40 | 3♋16 | 1♓49 | 12♒12 | 17°R34 | 19°R 3 | 23°R 7 | 8°R 3 | 8♏45 | 26♉15 | n.a. | W 1 |
| T 2 | 13 33 23 | 23°47'11 | 10♌23 | 13°51 | 16° 3 | 3°49 | 2° 0 | 12°16 | 17♐32 | 19♐ 3 | 23♎ 5 | 8♏ 3 | 8°42 | 26°22 | n.a. | T 2 |
| F 3 | 13 37 20 | 24°44'15 | 23°31 | 14° 4 | 16°27 | 4°22 | 2°11 | 12°20 | 17°31 | 19° 2 | 23° 4 | 8° 2 | 8°39 | 26°29 | n.a. | F 3 |
| S 4 | 13 41 17 | 25°41'19 | 7♍ 5 | 14°12 | 16°53 | 4°55 | 2°22 | 12°24 | 17°30 | 19° 1 | 23° 2 | 8° 0 | 8°36 | 26°35 | n.a. | S 4 |
| S 5 | 13 45 13 | 26°38'22 | 21° 5 | 14°R15 | 17°21 | 5°28 | 2°34 | 12°28 | 17°29 | 19° 0 | 23° 0 | 7°59 | 8°32 | 26°42 | n.a. | S 5 |
| M 6 | 13 49 10 | 27°35'24 | 5♎30 | 14°14 | 17°50 | 6° 2 | 2°45 | 12°31 | 17°28 | 18°59 | 22°59 | 7°58 | 8°29 | 26°49 | n.a. | M 6 |
| T 7 | 13 53 6 | 28°32'26 | 20°14 | 14° 9 | 18°20 | 6°35 | 2°55 | 12°35 | 17°26 | 18°59 | 22°57 | 7°57 | 8°26 | 26°55 | n.a. | T 7 |
| W 8 | 13 57 3 | 29°29'27 | 5♏13 | 13°59 | 18°52 | 7° 9 | 3° 6 | 12°38 | 17°25 | 18°58 | 22°56 | 7°D57 | 8°23 | 27° 2 | n.a. | W 8 |
| T 9 | 14 0 59 | 0♉26'29 | 20°16 | 13°45 | 19°26 | 7°42 | 3°17 | 12°42 | 17°24 | 18°57 | 22°54 | 7°57 | 8°20 | 27° 9 | n.a. | T 9 |
| F 10 | 14 4 56 | 1°23'30 | 5♐16 | 13°27 | 20° 0 | 8°16 | 3°28 | 12°45 | 17°22 | 18°56 | 22°52 | 7°57 | 8°17 | 27°15 | n.a. | F 10 |
| S 11 | 14 8 53 | 2°20'32 | 20° 5 | 13° 5 | 20°36 | 8°50 | 3°38 | 12°49 | 17°21 | 18°55 | 22°51 | 7°58 | 8°13 | 27°22 | n.a. | S 11 |
| S 12 | 14 12 49 | 3°17'34 | 4♑37 | 12°40 | 21°13 | 9°24 | 3°48 | 12°52 | 17°20 | 18°54 | 22°49 | 7°58 | 8°10 | 27°29 | n.a. | S 12 |
| M13 | 14 16 46 | 4°14'35 | 18°48 | 12°12 | 21°51 | 9°58 | 3°59 | 12°55 | 17°18 | 18°53 | 22°48 | 7°58 | 8° 7 | 27°35 | n.a. | M13 |
| T 14 | 14 20 42 | 5°11'37 | 2♒36 | 11°41 | 22°31 | 10°33 | 4° 9 | 12°58 | 17°16 | 18°52 | 22°46 | 7°R58 | 8° 4 | 27°42 | n.a. | T 14 |
| W15 | 14 24 39 | 6° 8'40 | 16° 2 | 11° 7 | 23°11 | 11° 7 | 4°19 | 13° 1 | 17°15 | 18°51 | 22°45 | 7°58 | 8° 1 | 27°49 | n.a. | W15 |
| T 16 | 14 28 35 | 7° 5'42 | 29° 6 | 10°33 | 23°52 | 11°41 | 4°29 | 13° 3 | 17°13 | 18°50 | 22°43 | 7°58 | 7°57 | 27°55 | n.a. | T 16 |
| F 17 | 14 32 32 | 8° 2'45 | 11♓53 | 9°57 | 24°35 | 12°16 | 4°39 | 13° 6 | 17°12 | 18°48 | 22°41 | 7°D58 | 7°54 | 28° 2 | n.a. | F 17 |
| S 18 | 14 36 28 | 8°59'48 | 24°23 | 9°21 | 25°18 | 12°51 | 4°49 | 13° 9 | 17°10 | 18°47 | 22°40 | 7°58 | 7°51 | 28° 9 | n.a. | S 18 |
| S 19 | 14 40 25 | 9°56'52 | 6♈40 | 8°45 | 26° 2 | 13°26 | 4°58 | 13°11 | 17° 8 | 18°46 | 22°38 | 7°59 | 7°48 | 28°15 | n.a. | S 19 |
| M20 | 14 44 22 | 10°53'55 | 18°46 | 8° 9 | 26°48 | 14° 0 | 5° 8 | 13°14 | 17° 6 | 18°45 | 22°37 | 7°59 | 7°45 | 28°22 | n.a. | M20 |
| T 21 | 14 48 18 | 11°50'59 | 0♉45 | 7°36 | 27°34 | 14°35 | 5°17 | 13°16 | 17° 5 | 18°44 | 22°35 | 7°59 | 7°42 | 28°29 | n.a. | T 21 |
| W22 | 14 52 15 | 12°48'04 | 12°37 | 7° 4 | 28°20 | 15°11 | 5°27 | 13°18 | 17° 3 | 18°43 | 22°34 | 7°R59 | 7°38 | 28°35 | n.a. | W22 |
| T 23 | 14 56 11 | 13°45'08 | 24°26 | 6°34 | 29° 8 | 15°46 | 5°36 | 13°20 | 17° 1 | 18°41 | 22°32 | 7°59 | 7°35 | 28°42 | n.a. | T 23 |
| F 24 | 15 0 8 | 14°42'13 | 6♊13 | 6° 8 | 29°56 | 16°21 | 5°45 | 13°22 | 16°59 | 18°40 | 22°31 | 7°58 | 7°32 | 28°49 | n.a. | F 24 |
| S 25 | 15 4 4 | 15°39'18 | 18° 2 | 5°46 | 0♈45 | 16°57 | 5°54 | 13°24 | 16°57 | 18°39 | 22°30 | 7°57 | 7°29 | 28°55 | n.a. | S 25 |
| S 26 | 15 8 1 | 16°36'24 | 29°54 | 5°27 | 1°35 | 17°32 | 6° 2 | 13°26 | 16°55 | 18°37 | 22°28 | 7°56 | 7°26 | 29° 2 | n.a. | S 26 |
| M27 | 15 11 58 | 17°33'29 | 11♋54 | 5°13 | 2°25 | 18° 8 | 6°11 | 13°28 | 16°53 | 18°36 | 22°27 | 7°55 | 7°23 | 29° 8 | n.a. | M27 |
| T 28 | 15 15 54 | 18°30'35 | 24° 3 | 5° 3 | 3°16 | 18°44 | 6°20 | 13°29 | 16°51 | 18°35 | 22°25 | 7°54 | 7°19 | 29°15 | n.a. | T 28 |
| W29 | 15 19 51 | 19°27'41 | 6♌27 | 4°D58 | 4° 8 | 19°19 | 6°28 | 13°31 | 16°49 | 18°33 | 22°24 | 7°53 | 7°16 | 29°22 | n.a. | W29 |
| T 30 | 15 23 47 | 20°24'48 | 19° 8 | 4°59 | 5° 0 | 19°55 | 6°36 | 13°32 | 16°47 | 18°32 | 22°23 | 7°D53 | 7°13 | 29°28 | n.a. | T 30 |
| F 31 | 15 27 44 | 21♉21'54 | 2♍10 | 5♉ 4 | 5♈53 | 20♋31 | 6♓44 | 13♒34 | 16♐45 | 18♐31 | 22♎21 | 7♏53 | 7♏10 | 29♉35 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| W 1 | 9n 3 | 15n57 | 5s12 | 17n 2 | 0n51 | 5s54 | 0s 9 | 25n37 | 1n44 | 12s18 | 1s21 | 19s16 | 1s52 | 23s37 | 0s18 | 23s 2 | 0n25 | 0n25 | 10n20 | 14s28 | 14s42 | 18n12 | | | n.a. |
| T 2 | 9 25 | 12 55 | 5 17 | 16 55 | 0 38 | 5 54 | 0 19 | 25 35 | 1 44 | 12 14 | 1 21 | 19 15 | 1 52 | 23 37 | 0 18 | 23 2 | 0 25 | 0 26 | 10 20 | 14 28 | 14 41 | 18 12 | | | n.a. |
| F 3 | 9 46 | 9 9 | 5 5 | 16 46 | 0 25 | 5 52 | 0 28 | 25 33 | 1 43 | 12 10 | 1 22 | 19 14 | 1 52 | 23 37 | 0 18 | 23 2 | 0 25 | 0 26 | 10 20 | 14 28 | 14 40 | 18 13 | | | n.a. |
| S 4 | 10 7 | 4 48 | 4 37 | 16 35 | 0 10 | 5 50 | 0 36 | 25 31 | 1 42 | 12 6 | 1 22 | 19 13 | 1 53 | 23 37 | 0 18 | 23 2 | 0 25 | 0 27 | 10 20 | 14 27 | 14 39 | 18 14 | | | n.a. |
| S 5 | 10 28 | 0 4 | 3 52 | 16 22 | 0s 4 | 5 47 | 0 45 | 25 29 | 1 41 | 12 2 | 1 22 | 19 12 | 1 53 | 23 37 | 0 18 | 23 2 | 0 25 | 0 27 | 10 19 | 14 27 | 14 38 | 18 15 | | | n.a. |
| M 6 | 10 49 | 4s50 | 2 51 | 16 7 | 0 20 | 5 42 | 0 53 | 25 27 | 1 40 | 11 59 | 1 22 | 19 11 | 1 53 | 23 37 | 0 18 | 23 2 | 0 25 | 0 28 | 10 19 | 14 26 | 14 37 | 18 15 | | | n.a. |
| T 7 | 11 10 | 9 33 | 1 37 | 15 50 | 0 35 | 5 37 | 1 0 | 25 24 | 1 39 | 11 55 | 1 22 | 19 11 | 1 53 | 23 36 | 0 18 | 23 2 | 0 25 | 0 28 | 10 19 | 14 26 | 14 36 | 18 16 | | | n.a. |
| W 8 | 11 31 | 13 45 | 0 15 | 15 32 | 0 52 | 5 32 | 1 8 | 25 22 | 1 39 | 11 51 | 1 23 | 19 10 | 1 54 | 23 36 | 0 18 | 23 2 | 0 25 | 0 29 | 10 19 | 14 26 | 14 35 | 18 17 | | | n.a. |
| T 9 | 11 51 | 17 5 | 1n 8 | 15 12 | 1 8 | 5 25 | 1 15 | 25 19 | 1 38 | 11 47 | 1 23 | 19 9 | 1 54 | 23 36 | 0 18 | 23 2 | 0 25 | 0 29 | 10 19 | 14 26 | 14 34 | 18 18 | | | n.a. |
| F 10 | 12 11 | 19 13 | 2 26 | 14 51 | 1 24 | 5 17 | 1 22 | 25 16 | 1 37 | 11 43 | 1 23 | 19 8 | 1 54 | 23 36 | 0 18 | 23 1 | 0 25 | 0 30 | 10 19 | 14 26 | 14 33 | 18 18 | | | n.a. |
| S 11 | 12 32 | 19 59 | 3 34 | 14 29 | 1 41 | 5 9 | 1 29 | 25 13 | 1 36 | 11 40 | 1 23 | 19 8 | 1 54 | 23 36 | 0 18 | 23 1 | 0 25 | 0 30 | 10 19 | 14 26 | 14 32 | 18 19 | | | n.a. |
| S 12 | 12 51 | 19 25 | 4 26 | 14 6 | 1 57 | 5 0 | 1 35 | 25 10 | 1 35 | 11 36 | 1 23 | 19 7 | 1 55 | 23 36 | 0 18 | 23 1 | 0 25 | 0 30 | 10 18 | 14 27 | 14 31 | 18 20 | | | n.a. |
| M13 | 13 11 | 17 37 | 5 0 | 13 42 | 2 13 | 4 50 | 1 41 | 25 6 | 1 34 | 11 32 | 1 24 | 19 6 | 1 55 | 23 36 | 0 18 | 23 1 | 0 25 | 0 31 | 10 18 | 14 27 | 14 30 | 18 20 | | | n.a. |
| T 14 | 13 31 | 14 50 | 5 16 | 13 18 | 2 28 | 4 40 | 1 47 | 25 3 | 1 34 | 11 29 | 1 24 | 19 6 | 1 55 | 23 36 | 0 18 | 23 1 | 0 25 | 0 31 | 10 18 | 14 27 | 14 28 | 18 21 | | | n.a. |
| W15 | 13 50 | 11 21 | 5 15 | 12 53 | 2 43 | 4 29 | 1 53 | 24 59 | 1 33 | 11 25 | 1 24 | 19 5 | 1 55 | 23 35 | 0 18 | 23 1 | 0 25 | 0 32 | 10 18 | 14 27 | 14 27 | 18 22 | | | n.a. |
| T 16 | 14 9 | 7 23 | 4 57 | 12 29 | 2 57 | 4 17 | 1 58 | 24 55 | 1 32 | 11 22 | 1 24 | 19 4 | 1 56 | 23 35 | 0 18 | 23 1 | 0 25 | 0 32 | 10 18 | 14 27 | 14 26 | 18 23 | | | n.a. |
| F 17 | 14 28 | 3 11 | 4 24 | 12 5 | 3 10 | 4 4 | 2 3 | 24 51 | 1 31 | 11 18 | 1 25 | 19 4 | 1 56 | 23 35 | 0 18 | 23 1 | 0 25 | 0 33 | 10 18 | 14 27 | 14 25 | 18 23 | | | n.a. |
| S 18 | 14 47 | 1n 4 | 3 39 | 11 42 | 3 22 | 3 51 | 2 8 | 24 47 | 1 30 | 11 15 | 1 25 | 19 3 | 1 56 | 23 35 | 0 18 | 23 1 | 0 25 | 0 33 | 10 17 | 14 27 | 14 24 | 18 24 | | | n.a. |
| S 19 | 15 5 | 5 13 | 2 46 | 11 20 | 3 34 | 3 38 | 2 13 | 24 42 | 1 29 | 11 11 | 1 25 | 19 3 | 1 56 | 23 35 | 0 18 | 23 1 | 0 25 | 0 33 | 10 17 | 14 27 | 14 23 | 18 25 | | | n.a. |
| M20 | 15 24 | 9 6 | 1 45 | 10 59 | 3 43 | 3 23 | 2 17 | 24 38 | 1 29 | 11 8 | 1 25 | 19 2 | 1 57 | 23 35 | 0 18 | 23 1 | 0 25 | 0 34 | 10 17 | 14 27 | 14 22 | 18 25 | | | n.a. |
| T 21 | 15 42 | 12 35 | 0 40 | 10 40 | 3 52 | 3 8 | 2 21 | 24 33 | 1 28 | 11 5 | 1 26 | 19 2 | 1 57 | 23 35 | 0 18 | 23 0 | 0 25 | 0 34 | 10 17 | 14 27 | 14 21 | 18 26 | | | n.a. |
| W22 | 15 59 | 15 31 | 0s26 | 10 23 | 3 59 | 2 53 | 2 25 | 24 28 | 1 27 | 11 2 | 1 26 | 19 2 | 1 57 | 23 34 | 0 18 | 23 0 | 0 25 | 0 34 | 10 17 | 14 27 | 14 20 | 18 27 | | | n.a. |
| T 23 | 16 17 | 17 48 | 1 30 | 10 8 | 4 5 | 2 37 | 2 29 | 24 23 | 1 26 | 10 58 | 1 26 | 19 1 | 1 57 | 23 34 | 0 18 | 23 0 | 0 25 | 0 35 | 10 16 | 14 27 | 14 19 | 18 27 | | | n.a. |
| F 24 | 16 34 | 19 18 | 2 31 | 9 56 | 4 9 | 2 21 | 2 32 | 24 18 | 1 25 | 10 55 | 1 26 | 19 1 | 1 58 | 23 34 | 0 18 | 23 0 | 0 25 | 0 35 | 10 16 | 14 27 | 14 18 | 18 28 | | | n.a. |
| S 25 | 16 51 | 19 58 | 3 25 | 9 45 | 4 12 | 2 4 | 2 36 | 24 13 | 1 25 | 10 52 | 1 27 | 19 1 | 1 58 | 23 34 | 0 18 | 23 0 | 0 25 | 0 35 | 10 16 | 14 26 | 14 17 | 18 29 | | | n.a. |
| S 26 | 17 8 | 19 45 | 4 10 | 9 38 | 4 13 | 1 47 | 2 39 | 24 8 | 1 24 | 10 49 | 1 27 | 19 0 | 1 58 | 23 34 | 0 18 | 23 0 | 0 25 | 0 36 | 10 16 | 14 26 | 14 16 | 18 29 | | | n.a. |
| M27 | 17 24 | 18 38 | 4 45 | 9 33 | 4 13 | 1 29 | 2 42 | 24 2 | 1 23 | 10 46 | 1 27 | 19 0 | 1 59 | 23 34 | 0 18 | 23 0 | 0 25 | 0 36 | 10 15 | 14 26 | 14 15 | 18 30 | | | n.a. |
| T 28 | 17 41 | 16 41 | 5 8 | 9 31 | 4 11 | 1 11 | 2 44 | 23 56 | 1 22 | 10 43 | 1 27 | 19 0 | 1 59 | 23 33 | 0 18 | 23 0 | 0 25 | 0 36 | 10 15 | 14 25 | 14 14 | 18 31 | | | n.a. |
| W29 | 17 57 | 13 55 | 5 17 | 9 32 | 4 8 | 0 52 | 2 47 | 23 50 | 1 21 | 10 40 | 1 28 | 19 0 | 1 59 | 23 33 | 0 18 | 23 0 | 0 25 | 0 36 | 10 15 | 14 25 | 14 13 | 18 31 | | | n.a. |
| T 30 | 18 12 | 10 28 | 5 11 | 9 36 | 4 4 | 0 33 | 2 49 | 23 44 | 1 21 | 10 37 | 1 28 | 19 0 | 1 59 | 23 33 | 0 18 | 23 0 | 0 25 | 0 37 | 10 15 | 14 25 | 14 12 | 18 32 | | | n.a. |
| F 31 | 18n28 | 6n25 | 4s49 | 9n43 | 3s59 | 0s14 | 2s51 | 23n38 | 1n20 | 10s34 | 1s28 | 18s59 | 2s 0 | 23s33 | 0s18 | 22s59 | 0n25 | 0n37 | 10n14 | 14s25 | 14s11 | 18n33 | | | n.a. |

Julian Day Number = 1008575.5, Delta T = 12h42m42s
Ecliptic obliquity = 23°55'02, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'58, Lahiri = -30°51'56 Julian Calendar 1 May 1952 BCE == Greg. Calendar 14 Apr. 1952 BCE

The year -1951 astronomical counting style corresponds to year 1952 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## JUNE 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 31 40 | 22♉19'01 | 15♍37 | 5♉15 | 6♈47 | 21♋ 7 | 6♓52 | 13♒35 | 16°R43 | 18°R29 | 22°R20 | 7♏54 | 7♏ 7 | 29♉42 | n.a. | S 1 |
| S 2 | 15 35 37 | 23°16'08 | 29°30 | 5°32 | 7°41 | 21°44 | 7° 0 | 13°36 | 16♐41 | 18♐28 | 22♎19 | 7°55 | 7° 3 | 29°48 | n.a. | S 2 |
| M 3 | 15 39 33 | 24°13'15 | 13♎49 | 5°54 | 8°35 | 22°20 | 7° 8 | 13°37 | 16°39 | 18°26 | 22°17 | 7°56 | 7° 0 | 29°55 | n.a. | M 3 |
| T 4 | 15 43 30 | 25°10'23 | 28°31 | 6°21 | 9°30 | 22°56 | 7°16 | 13°38 | 16°37 | 18°25 | 22°16 | 7°57 | 6°57 | 0♊ 2 | n.a. | T 4 |
| W 5 | 15 47 27 | 26° 7'31 | 13♏32 | 6°54 | 10°26 | 23°33 | 7°23 | 13°39 | 16°34 | 18°23 | 22°15 | 7°R57 | 6°54 | 0° 8 | n.a. | W 5 |
| T 6 | 15 51 23 | 27° 4'41 | 28°44 | 7°33 | 11°22 | 24° 9 | 7°30 | 13°39 | 16°32 | 18°22 | 22°13 | 7°56 | 6°51 | 0°15 | n.a. | T 6 |
| F 7 | 15 55 20 | 28° 1'51 | 13♐57 | 8°17 | 12°18 | 24°46 | 7°37 | 13°40 | 16°30 | 18°20 | 22°12 | 7°54 | 6°48 | 0°22 | n.a. | F 7 |
| S 8 | 15 59 16 | 28°59'02 | 29° 1 | 9° 6 | 13°15 | 25°23 | 7°44 | 13°40 | 16°28 | 18°19 | 22°11 | 7°52 | 6°44 | 0°28 | n.a. | S 8 |
| S 9 | 16 3 13 | 29°56'14 | 13♑48 | 10° 1 | 14°13 | 26° 0 | 7°51 | 13°41 | 16°26 | 18°17 | 22°10 | 7°49 | 6°41 | 0°35 | n.a. | S 9 |
| M10 | 16 7 9 | 0♊53'27 | 28°12 | 11° 1 | 15°10 | 26°36 | 7°58 | 13°41 | 16°23 | 18°16 | 22° 9 | 7°46 | 6°38 | 0°42 | n.a. | M10 |
| T 11 | 16 11 6 | 1°50'41 | 12♒ 8 | 12° 6 | 16° 9 | 27°13 | 8° 5 | 13°41 | 16°21 | 18°14 | 22° 8 | 7°44 | 6°35 | 0°48 | n.a. | T 11 |
| W12 | 16 15 3 | 2°47'56 | 25°38 | 13°17 | 17° 7 | 27°51 | 8°11 | 13°R41 | 16°19 | 18°13 | 22° 6 | 7°43 | 6°32 | 0°55 | n.a. | W12 |
| T 13 | 16 18 59 | 3°45'13 | 8♓41 | 14°32 | 18° 6 | 28°28 | 8°17 | 13°41 | 16°16 | 18°11 | 22° 5 | 7°D43 | 6°29 | 1° 2 | n.a. | T 13 |
| F 14 | 16 22 56 | 4°42'30 | 21°22 | 15°52 | 19° 6 | 29° 5 | 8°23 | 13°41 | 16°14 | 18°10 | 22° 4 | 7°44 | 6°25 | 1° 8 | n.a. | F 14 |
| S 15 | 16 26 52 | 5°39'49 | 3♈45 | 17°17 | 20° 6 | 29°42 | 8°29 | 13°41 | 16°12 | 18° 8 | 22° 3 | 7°45 | 6°22 | 1°15 | n.a. | S 15 |
| S 16 | 16 30 49 | 6°37'10 | 15°53 | 18°47 | 21° 6 | 0♌20 | 8°35 | 13°41 | 16° 9 | 18° 7 | 22° 2 | 7°47 | 6°19 | 1°22 | n.a. | S 16 |
| M17 | 16 34 45 | 7°34'31 | 27°50 | 20°21 | 22° 6 | 0°57 | 8°41 | 13°40 | 16° 7 | 18° 5 | 22° 1 | 7°48 | 6°16 | 1°28 | n.a. | M17 |
| T 18 | 16 38 42 | 8°31'54 | 9♉41 | 21°59 | 23° 7 | 1°35 | 8°46 | 13°40 | 16° 5 | 18° 3 | 22° 0 | 7°R49 | 6°13 | 1°35 | n.a. | T 18 |
| W19 | 16 42 38 | 9°29'19 | 21°29 | 23°41 | 24° 8 | 2°13 | 8°51 | 13°39 | 16° 2 | 18° 2 | 21°59 | 7°48 | 6° 9 | 1°42 | n.a. | W19 |
| T 20 | 16 46 35 | 10°26'44 | 3♊17 | 25°26 | 25° 9 | 2°50 | 8°56 | 13°38 | 16° 0 | 18° 0 | 21°58 | 7°45 | 6° 6 | 1°48 | n.a. | T 20 |
| F 21 | 16 50 32 | 11°24'11 | 15° 6 | 27°15 | 26°11 | 3°28 | 9° 1 | 13°37 | 15°58 | 17°58 | 21°57 | 7°41 | 6° 3 | 1°55 | n.a. | F 21 |
| S 22 | 16 54 28 | 12°21'39 | 26°59 | 29° 6 | 27°13 | 4° 6 | 9° 6 | 13°36 | 15°55 | 17°57 | 21°57 | 7°36 | 6° 0 | 2° 2 | n.a. | S 22 |
| S 23 | 16 58 25 | 13°19'09 | 8♋58 | 1♊ 1 | 28°16 | 4°44 | 9°11 | 13°35 | 15°53 | 17°55 | 21°56 | 7°30 | 5°57 | 2° 8 | n.a. | S 23 |
| M24 | 17 2 21 | 14°16'39 | 21° 5 | 2°57 | 29°18 | 5°22 | 9°15 | 13°34 | 15°50 | 17°54 | 21°55 | 7°23 | 5°54 | 2°15 | n.a. | M24 |
| T 25 | 17 6 18 | 15°14'11 | 3♌21 | 4°56 | 0♉21 | 6° 1 | 9°19 | 13°33 | 15°48 | 17°52 | 21°54 | 7°17 | 5°50 | 2°22 | n.a. | T 25 |
| W26 | 17 10 14 | 16°11'43 | 15°49 | 6°56 | 1°24 | 6°39 | 9°23 | 13°32 | 15°46 | 17°50 | 21°53 | 7°12 | 5°47 | 2°28 | n.a. | W26 |
| T 27 | 17 14 11 | 17° 9'17 | 28°32 | 8°57 | 2°28 | 7°17 | 9°27 | 13°30 | 15°43 | 17°49 | 21°53 | 7° 9 | 5°44 | 2°35 | n.a. | T 27 |
| F 28 | 17 18 8 | 18° 6'52 | 11♍32 | 10°59 | 3°31 | 7°56 | 9°31 | 13°29 | 15°41 | 17°47 | 21°52 | 7° 7 | 5°41 | 2°42 | n.a. | F 28 |
| S 29 | 17 22 4 | 19° 4'28 | 24°53 | 13° 2 | 4°35 | 8°34 | 9°34 | 13°27 | 15°38 | 17°45 | 21°51 | 7°D 7 | 5°38 | 2°48 | n.a. | S 29 |
| S 30 | 17 26 1 | 20♊ 2'06 | 8♎36 | 15♊ 4 | 5♉39 | 9♌13 | 9♓38 | 13♒25 | 15♐36 | 17♐44 | 21♎51 | 7♏ 8 | 5♏35 | 2♊55 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n43 | 1n56 | 4s11 | 9n53 | 3s53 | 0n 6 | 2s53 | 23n31 | 1n19 | 10s32 | 1s28 | 18s59 | 2s 0 | 23s33 | 0s18 | 22s59 | 0n25 | 0n37 | 10n14 | 14s25 | 14s10 | 18n33 | | n.a. |
| S 2 | 18 58 | 2s48 | 3 17 | 10 5 | 3 46 | 0 26 | 2 55 | 23 25 | 1 18 | 10 29 | 1 29 | 18 59 | 2 0 | 23 32 | 0 18 | 22 59 | 0 25 | 0 37 | 10 14 | 14 25 | 14 8 | 18 34 | | n.a. |
| M 3 | 19 12 | 7 32 | 2 10 | 10 20 | 3 37 | 0 47 | 2 56 | 23 18 | 1 17 | 10 26 | 1 29 | 18 59 | 2 0 | 23 32 | 0 18 | 22 59 | 0 25 | 0 38 | 10 14 | 14 26 | 14 7 | 18 35 | | n.a. |
| T 4 | 19 26 | 11 58 | 0 52 | 10 38 | 3 28 | 1 7 | 2 58 | 23 11 | 1 17 | 10 23 | 1 29 | 18 59 | 2 1 | 23 32 | 0 18 | 22 59 | 0 25 | 0 38 | 10 13 | 14 26 | 14 6 | 18 35 | | n.a. |
| W 5 | 19 40 | 15 44 | 0n31 | 10 58 | 3 18 | 1 28 | 2 59 | 23 4 | 1 16 | 10 21 | 1 29 | 18 59 | 2 1 | 23 32 | 0 18 | 22 59 | 0 25 | 0 38 | 10 13 | 14 26 | 14 5 | 18 36 | | n.a. |
| T 6 | 19 54 | 18 27 | 1 52 | 11 21 | 3 8 | 1 50 | 3 0 | 22 56 | 1 15 | 10 18 | 1 30 | 18 59 | 2 1 | 23 32 | 0 18 | 22 59 | 0 25 | 0 38 | 10 13 | 14 26 | 14 4 | 18 36 | | n.a. |
| F 7 | 20 7 | 19 51 | 3 6 | 11 46 | 2 57 | 2 11 | 3 1 | 22 49 | 1 14 | 10 16 | 1 30 | 18 59 | 2 2 | 23 31 | 0 18 | 22 59 | 0 25 | 0 38 | 10 12 | 14 25 | 14 3 | 18 37 | | n.a. |
| S 8 | 20 20 | 19 49 | 4 6 | 12 13 | 2 45 | 2 33 | 3 2 | 22 41 | 1 13 | 10 14 | 1 30 | 19 0 | 2 2 | 23 31 | 0 18 | 22 58 | 0 25 | 0 39 | 10 12 | 14 25 | 14 2 | 18 38 | | n.a. |
| S 9 | 20 32 | 18 25 | 4 48 | 12 42 | 2 33 | 2 55 | 3 3 | 22 34 | 1 13 | 10 11 | 1 31 | 19 0 | 2 2 | 23 31 | 0 18 | 22 58 | 0 25 | 0 39 | 10 12 | 14 24 | 14 1 | 18 38 | | n.a. |
| M10 | 20 45 | 15 52 | 5 11 | 13 13 | 2 20 | 3 17 | 3 3 | 22 26 | 1 12 | 10 9 | 1 31 | 19 0 | 2 2 | 23 31 | 0 18 | 22 58 | 0 25 | 0 39 | 10 11 | 14 23 | 14 0 | 18 39 | | n.a. |
| T 11 | 20 57 | 12 28 | 5 14 | 13 46 | 2 7 | 3 40 | 3 3 | 22 18 | 1 11 | 10 7 | 1 31 | 19 0 | 2 3 | 23 30 | 0 18 | 22 58 | 0 25 | 0 39 | 10 11 | 14 22 | 13 59 | 18 39 | | n.a. |
| W12 | 21 8 | 8 32 | 5 0 | 14 20 | 1 54 | 4 2 | 3 3 | 22 9 | 1 10 | 10 4 | 1 31 | 19 0 | 2 3 | 23 30 | 0 18 | 22 58 | 0 25 | 0 39 | 10 11 | 14 22 | 13 58 | 18 40 | | n.a. |
| T 13 | 21 19 | 4 18 | 4 30 | 14 55 | 1 40 | 4 25 | 3 3 | 22 1 | 1 10 | 10 2 | 1 32 | 19 1 | 2 3 | 23 30 | 0 18 | 22 58 | 0 25 | 0 39 | 10 10 | 14 22 | 13 57 | 18 41 | | n.a. |
| F 14 | 21 30 | 0 0 | 3 48 | 15 32 | 1 27 | 4 48 | 3 3 | 21 52 | 1 9 | 10 0 | 1 32 | 19 1 | 2 4 | 23 30 | 0 18 | 22 58 | 0 25 | 0 39 | 10 10 | 14 22 | 13 56 | 18 41 | | n.a. |
| S 15 | 21 41 | 4n12 | 2 56 | 16 10 | 1 13 | 5 11 | 3 3 | 21 43 | 1 8 | 9 58 | 1 32 | 19 1 | 2 4 | 23 29 | 0 18 | 22 58 | 0 25 | 0 39 | 10 10 | 14 22 | 13 55 | 18 42 | | n.a. |
| S 16 | 21 51 | 8 10 | 1 58 | 16 48 | 1 0 | 5 34 | 3 3 | 21 34 | 1 7 | 9 56 | 1 33 | 19 2 | 2 4 | 23 29 | 0 19 | 22 57 | 0 25 | 0 40 | 10 9 | 14 23 | 13 54 | 18 42 | | n.a. |
| M17 | 22 1 | 11 46 | 0 55 | 17 26 | 0 47 | 5 58 | 3 2 | 21 25 | 1 6 | 9 55 | 1 33 | 19 2 | 2 4 | 23 29 | 0 19 | 22 57 | 0 25 | 0 40 | 10 9 | 14 23 | 13 52 | 18 43 | | n.a. |
| T 18 | 22 10 | 14 51 | 0s10 | 18 5 | 0 33 | 6 21 | 3 2 | 21 16 | 1 6 | 9 53 | 1 33 | 19 2 | 2 5 | 23 29 | 0 19 | 22 57 | 0 25 | 0 40 | 10 9 | 14 23 | 13 51 | 18 44 | | n.a. |
| W19 | 22 19 | 17 18 | 1 14 | 18 44 | 0 21 | 6 45 | 3 1 | 21 7 | 1 5 | 9 51 | 1 34 | 19 3 | 2 5 | 23 29 | 0 19 | 22 57 | 0 25 | 0 40 | 10 8 | 14 23 | 13 50 | 18 44 | | n.a. |
| T 20 | 22 28 | 19 1 | 2 15 | 19 22 | 0 8 | 7 8 | 3 0 | 20 57 | 1 4 | 9 49 | 1 34 | 19 3 | 2 5 | 23 28 | 0 19 | 22 57 | 0 25 | 0 40 | 10 8 | 14 22 | 13 49 | 18 45 | | n.a. |
| F 21 | 22 36 | 19 55 | 3 10 | 20 0 | 0n 4 | 7 32 | 2 59 | 20 47 | 1 3 | 9 48 | 1 34 | 19 4 | 2 5 | 23 28 | 0 19 | 22 57 | 0 25 | 0 40 | 10 8 | 14 21 | 13 48 | 18 45 | | n.a. |
| S 22 | 22 44 | 19 56 | 3 57 | 20 37 | 0 16 | 7 56 | 2 58 | 20 37 | 1 2 | 9 46 | 1 34 | 19 4 | 2 6 | 23 28 | 0 19 | 22 57 | 0 25 | 0 40 | 10 7 | 14 19 | 13 47 | 18 46 | | n.a. |
| S 23 | 22 51 | 19 4 | 4 33 | 21 12 | 0 27 | 8 19 | 2 57 | 20 27 | 1 2 | 9 45 | 1 35 | 19 5 | 2 6 | 23 28 | 0 19 | 22 56 | 0 25 | 0 40 | 10 7 | 14 17 | 13 46 | 18 46 | | n.a. |
| M24 | 22 58 | 17 19 | 4 58 | 21 47 | 0 37 | 8 43 | 2 55 | 20 17 | 1 1 | 9 43 | 1 35 | 19 6 | 2 6 | 23 27 | 0 19 | 22 56 | 0 25 | 0 40 | 10 7 | 14 15 | 13 45 | 18 47 | | n.a. |
| T 25 | 23 5 | 14 46 | 5 10 | 22 19 | 0 47 | 9 7 | 2 54 | 20 7 | 1 0 | 9 42 | 1 35 | 19 6 | 2 7 | 23 27 | 0 19 | 22 56 | 0 25 | 0 40 | 10 6 | 14 13 | 13 44 | 18 48 | | n.a. |
| W26 | 23 11 | 11 32 | 5 7 | 22 49 | 0 56 | 9 30 | 2 52 | 19 56 | 0 59 | 9 41 | 1 36 | 19 7 | 2 7 | 23 27 | 0 19 | 22 56 | 0 25 | 0 39 | 10 6 | 14 11 | 13 43 | 18 48 | | n.a. |
| T 27 | 23 17 | 7 42 | 4 49 | 23 18 | 1 5 | 9 54 | 2 51 | 19 46 | 0 59 | 9 39 | 1 36 | 19 8 | 2 7 | 23 27 | 0 19 | 22 56 | 0 25 | 0 39 | 10 6 | 14 10 | 13 42 | 18 49 | | n.a. |
| F 28 | 23 22 | 3 26 | 4 17 | 23 44 | 1 12 | 10 18 | 2 49 | 19 35 | 0 58 | 9 38 | 1 36 | 19 8 | 2 7 | 23 26 | 0 19 | 22 56 | 0 25 | 0 39 | 10 5 | 14 10 | 13 41 | 18 49 | | n.a. |
| S 29 | 23 27 | 1s 7 | 3 29 | 24 7 | 1 19 | 10 41 | 2 47 | 19 24 | 0 57 | 9 37 | 1 37 | 19 9 | 2 8 | 23 26 | 0 19 | 22 56 | 0 25 | 0 39 | 10 5 | 14 10 | 13 40 | 18 50 | | n.a. |
| S 30 | 23n32 | 5s45 | 2s29 | 24n29 | 1n25 | 11n 4 | 2s45 | 19n13 | 0n56 | 9s36 | 1s37 | 19s10 | 2s 8 | 23s26 | 0s19 | 22s55 | 0n25 | 0n39 | 10n 4 | 14s10 | 13s39 | 18n50 | | n.a. |

Julian Day Number = 1008606.5, Delta T = 12h42m40s
Ecliptic obliquity = 23°55'02, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'54, Lahiri = -30°51'52 Julian Calendar 1 June 1952 BCE == Greg. Calendar 15 May 1952 BCE


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## JULY 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 17 29 57 | 20♊59'44 | 22♎42 | 17♊ 7 | 6♉43 | 9♌52 | 9♓41 | 13°R23 | 15°R34 | 17°R42 | 21°R50 | 7♏ 9 | 5♏31 | 3♊ 2 | n.a. | M 1 |
| T 2 | 17 33 54 | 21°57'24 | 7♏12 | 19°10 | 7°48 | 10°31 | 9°44 | 13♒21 | 15♐31 | 17♐41 | 21♎49 | 7°R10 | 5°28 | 3° 8 | n.a. | T 2 |
| W 3 | 17 37 50 | 22°55'05 | 22° 1 | 21°11 | 8°53 | 11° 9 | 9°46 | 13°19 | 15°29 | 17°39 | 21°49 | 7° 9 | 5°25 | 3°15 | n.a. | W 3 |
| T 4 | 17 41 47 | 23°52'48 | 7♐ 6 | 23°13 | 9°58 | 11°48 | 9°49 | 13°17 | 15°27 | 17°37 | 21°48 | 7° 6 | 5°22 | 3°22 | n.a. | T 4 |
| F 5 | 17 45 43 | 24°50'32 | 22°16 | 25°13 | 11° 3 | 12°27 | 9°51 | 13°15 | 15°24 | 17°36 | 21°48 | 7° 2 | 5°19 | 3°28 | n.a. | F 5 |
| S 6 | 17 49 40 | 25°48'17 | 7♑23 | 27°13 | 12° 9 | 13° 6 | 9°54 | 13°13 | 15°22 | 17°34 | 21°47 | 6°55 | 5°15 | 3°35 | n.a. | S 6 |
| S 7 | 17 53 37 | 26°46'05 | 22°16 | 29°11 | 13°14 | 13°46 | 9°56 | 13°10 | 15°20 | 17°32 | 21°47 | 6°47 | 5°12 | 3°42 | n.a. | S 7 |
| M 8 | 17 57 33 | 27°43'54 | 6♒48 | 1♋ 9 | 14°20 | 14°25 | 9°57 | 13° 8 | 15°17 | 17°31 | 21°46 | 6°40 | 5° 9 | 3°48 | n.a. | M 8 |
| T 9 | 18 1 30 | 28°41'45 | 20°53 | 3° 5 | 15°26 | 15° 4 | 9°59 | 13° 5 | 15°15 | 17°29 | 21°46 | 6°34 | 5° 6 | 3°55 | n.a. | T 9 |
| W10 | 18 5 26 | 29°39'38 | 4♓28 | 5° 0 | 16°33 | 15°44 | 10° 0 | 13° 2 | 15°13 | 17°28 | 21°46 | 6°29 | 5° 3 | 4° 2 | n.a. | W10 |
| T 11 | 18 9 23 | 0♋37'33 | 17°35 | 6°53 | 17°39 | 16°23 | 10° 2 | 13° 0 | 15°10 | 17°26 | 21°45 | 6°26 | 5° 0 | 4° 8 | n.a. | T 11 |
| F 12 | 18 13 19 | 1°35'30 | 0♈17 | 8°46 | 18°46 | 17° 3 | 10° 3 | 12°57 | 15° 8 | 17°25 | 21°45 | 6°D25 | 4°56 | 4°15 | n.a. | F 12 |
| S 13 | 18 17 16 | 2°33'29 | 12°38 | 10°37 | 19°53 | 17°42 | 10° 3 | 12°54 | 15° 6 | 17°23 | 21°45 | 6°25 | 4°53 | 4°22 | n.a. | S 13 |
| S 14 | 18 21 12 | 3°31'30 | 24°43 | 12°27 | 21° 0 | 18°22 | 10° 4 | 12°51 | 15° 4 | 17°21 | 21°45 | 6°26 | 4°50 | 4°28 | n.a. | S 14 |
| M15 | 18 25 9 | 4°29'33 | 6♉37 | 14°16 | 22° 7 | 19° 2 | 10° 5 | 12°48 | 15° 1 | 17°20 | 21°44 | 6°R27 | 4°47 | 4°35 | n.a. | M15 |
| T 16 | 18 29 5 | 5°27'39 | 18°26 | 16° 3 | 23°14 | 19°42 | 10° 5 | 12°44 | 14°59 | 17°18 | 21°44 | 6°26 | 4°44 | 4°42 | n.a. | T 16 |
| W17 | 18 33 2 | 6°25'46 | 0♊13 | 17°49 | 24°22 | 20°22 | 10°R 5 | 12°41 | 14°57 | 17°17 | 21°44 | 6°23 | 4°41 | 4°48 | n.a. | W17 |
| T 18 | 18 36 59 | 7°23'56 | 12° 2 | 19°34 | 25°30 | 21° 2 | 10° 5 | 12°38 | 14°55 | 17°15 | 21°44 | 6°18 | 4°37 | 4°55 | n.a. | T 18 |
| F 19 | 18 40 55 | 8°22'07 | 23°56 | 21°17 | 26°38 | 21°42 | 10° 4 | 12°34 | 14°53 | 17°14 | 21°44 | 6°10 | 4°34 | 5° 2 | n.a. | F 19 |
| S 20 | 18 44 52 | 9°20'21 | 5♋57 | 23° 0 | 27°46 | 22°22 | 10° 4 | 12°31 | 14°51 | 17°12 | 21°D44 | 6° 0 | 4°31 | 5° 8 | n.a. | S 20 |
| S 21 | 18 48 48 | 10°18'36 | 18° 7 | 24°41 | 28°54 | 23° 2 | 10° 3 | 12°27 | 14°48 | 17°11 | 21°44 | 5°48 | 4°28 | 5°15 | n.a. | S 21 |
| M22 | 18 52 45 | 11°16'53 | 0♌26 | 26°21 | 0♊ 2 | 23°43 | 10° 2 | 12°23 | 14°46 | 17° 9 | 21°44 | 5°36 | 4°25 | 5°22 | n.a. | M22 |
| T 23 | 18 56 41 | 12°15'13 | 12°56 | 27°59 | 1°11 | 24°23 | 10° 1 | 12°20 | 14°44 | 17° 8 | 21°44 | 5°25 | 4°21 | 5°28 | n.a. | T 23 |
| W24 | 19 0 38 | 13°13'34 | 25°36 | 29°37 | 2°20 | 25° 4 | 9°59 | 12°16 | 14°42 | 17° 6 | 21°44 | 5°15 | 4°18 | 5°35 | n.a. | W24 |
| T 25 | 19 4 34 | 14°11'56 | 8♍29 | 1♌13 | 3°28 | 25°44 | 9°58 | 12°12 | 14°40 | 17° 5 | 21°44 | 5° 8 | 4°15 | 5°42 | n.a. | T 25 |
| F 26 | 19 8 31 | 15°10'21 | 21°35 | 2°48 | 4°37 | 26°25 | 9°56 | 12° 8 | 14°38 | 17° 4 | 21°45 | 5° 3 | 4°12 | 5°48 | n.a. | F 26 |
| S 27 | 19 12 28 | 16° 8'47 | 4♎55 | 4°22 | 5°47 | 27° 5 | 9°54 | 12° 4 | 14°36 | 17° 2 | 21°45 | 5° 1 | 4° 9 | 5°55 | n.a. | S 27 |
| S 28 | 19 16 24 | 17° 7'16 | 18°33 | 5°55 | 6°56 | 27°46 | 9°52 | 12° 0 | 14°35 | 17° 1 | 21°45 | 5°D 0 | 4° 6 | 6° 2 | n.a. | S 28 |
| M29 | 19 20 21 | 18° 5'45 | 2♏28 | 7°27 | 8° 5 | 28°27 | 9°49 | 11°56 | 14°33 | 17° 0 | 21°45 | 5°R 1 | 4° 2 | 6° 8 | n.a. | M29 |
| T 30 | 19 24 17 | 19° 4'17 | 16°42 | 8°58 | 9°15 | 29° 8 | 9°47 | 11°52 | 14°31 | 16°58 | 21°46 | 5° 0 | 3°59 | 6°15 | n.a. | T 30 |
| W31 | 19 28 14 | 20♋ 2'51 | 1♐13 | 10♌27 | 10♊24 | 29♌49 | 9♓44 | 11♒48 | 14♐29 | 16♐57 | 21♎46 | 4♏58 | 3♏56 | 6♊22 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| M 1 | 23n36 | 10s12 | 1s18 | 24n47 | 1n31 | 11n28 | 2s43 | 19n 1 | 0n55 | 9s35 | 1s37 | 19s11 | 2s 8 | 23s26 | 0s19 | 22s55 | 0n25 | 0n39 | 10n 4 | 14s10 | 13s37 | 18n51 | | | n.a. |
| T 2 | 23 40 | 14 11 | 0n 0 | 25 3 | 1 35 | 11 51 | 2 41 | 18 50 | 0 55 | 9 35 | 1 38 | 19 11 | 2 8 | 23 25 | 0 19 | 22 55 | 0 25 | 0 39 | 10 4 | 14 11 | 13 36 | 18 51 | | | n.a. |
| W 3 | 23 43 | 17 21 | 1 20 | 25 16 | 1 39 | 12 14 | 2 39 | 18 38 | 0 54 | 9 34 | 1 38 | 19 12 | 2 9 | 23 25 | 0 19 | 22 55 | 0 25 | 0 39 | 10 3 | 14 10 | 13 35 | 18 52 | | | n.a. |
| T 4 | 23 46 | 19 23 | 2 35 | 25 27 | 1 43 | 12 37 | 2 37 | 18 26 | 0 53 | 9 33 | 1 38 | 19 13 | 2 9 | 23 25 | 0 19 | 22 55 | 0 25 | 0 39 | 10 3 | 14 9 | 13 34 | 18 52 | | | n.a. |
| F 5 | 23 49 | 20 2 | 3 39 | 25 35 | 1 45 | 13 0 | 2 34 | 18 14 | 0 52 | 9 32 | 1 39 | 19 14 | 2 9 | 23 25 | 0 19 | 22 55 | 0 25 | 0 38 | 10 2 | 14 8 | 13 33 | 18 53 | | | n.a. |
| S 6 | 23 51 | 19 15 | 4 28 | 25 40 | 1 47 | 13 23 | 2 32 | 18 2 | 0 52 | 9 32 | 1 39 | 19 15 | 2 9 | 23 24 | 0 19 | 22 55 | 0 25 | 0 38 | 10 2 | 14 6 | 13 32 | 18 53 | | | n.a. |
| S 7 | 23 53 | 17 8 | 4 58 | 25 43 | 1 48 | 13 45 | 2 30 | 17 50 | 0 51 | 9 31 | 1 39 | 19 16 | 2 10 | 23 24 | 0 19 | 22 54 | 0 25 | 0 38 | 10 2 | 14 3 | 13 31 | 18 54 | | | n.a. |
| M 8 | 23 54 | 13 59 | 5 7 | 25 43 | 1 49 | 14 7 | 2 27 | 17 38 | 0 50 | 9 31 | 1 40 | 19 17 | 2 10 | 23 24 | 0 19 | 22 54 | 0 25 | 0 38 | 10 1 | 14 1 | 13 30 | 18 54 | | | n.a. |
| T 9 | 23 55 | 10 7 | 4 58 | 25 41 | 1 49 | 14 30 | 2 24 | 17 25 | 0 49 | 9 31 | 1 40 | 19 18 | 2 10 | 23 23 | 0 19 | 22 54 | 0 25 | 0 37 | 10 1 | 13 58 | 13 29 | 18 55 | | | n.a. |
| W10 | 23 55 | 5 51 | 4 32 | 25 37 | 1 48 | 14 51 | 2 22 | 17 13 | 0 49 | 9 30 | 1 40 | 19 19 | 2 10 | 23 23 | 0 19 | 22 54 | 0 25 | 0 37 | 10 0 | 13 57 | 13 28 | 18 55 | | | n.a. |
| T 11 | 23 55 | 1 27 | 3 52 | 25 31 | 1 47 | 15 13 | 2 19 | 17 0 | 0 48 | 9 30 | 1 40 | 19 20 | 2 11 | 23 23 | 0 19 | 22 54 | 0 25 | 0 37 | 10 0 | 13 56 | 13 27 | 18 56 | | | n.a. |
| F 12 | 23 54 | 2n53 | 3 2 | 25 22 | 1 45 | 15 34 | 2 16 | 16 47 | 0 47 | 9 30 | 1 41 | 19 21 | 2 11 | 23 23 | 0 19 | 22 54 | 0 25 | 0 37 | 10 0 | 13 56 | 13 26 | 18 56 | | | n.a. |
| S 13 | 23 53 | 6 59 | 2 4 | 25 11 | 1 43 | 15 56 | 2 13 | 16 34 | 0 46 | 9 30 | 1 41 | 19 22 | 2 11 | 23 22 | 0 19 | 22 54 | 0 25 | 0 36 | 9 59 | 13 56 | 13 24 | 18 57 | | | n.a. |
| S 14 | 23 52 | 10 44 | 1 3 | 24 59 | 1 40 | 16 16 | 2 10 | 16 21 | 0 45 | 9 30 | 1 41 | 19 23 | 2 11 | 23 22 | 0 19 | 22 54 | 0 25 | 0 36 | 9 59 | 13 56 | 13 23 | 18 57 | | | n.a. |
| M15 | 23 50 | 13 59 | 0s 1 | 24 45 | 1 37 | 16 37 | 2 7 | 16 7 | 0 45 | 9 30 | 1 42 | 19 24 | 2 12 | 23 22 | 0 19 | 22 53 | 0 25 | 0 36 | 9 58 | 13 56 | 13 22 | 18 58 | | | n.a. |
| T 16 | 23 48 | 16 38 | 1 4 | 24 29 | 1 34 | 16 57 | 2 4 | 15 54 | 0 44 | 9 31 | 1 42 | 19 25 | 2 12 | 23 22 | 0 19 | 22 53 | 0 25 | 0 35 | 9 58 | 13 56 | 13 21 | 18 58 | | | n.a. |
| W17 | 23 45 | 18 35 | 2 4 | 24 11 | 1 30 | 17 17 | 2 1 | 15 40 | 0 43 | 9 31 | 1 42 | 19 27 | 2 12 | 23 21 | 0 19 | 22 53 | 0 25 | 0 35 | 9 58 | 13 55 | 13 20 | 18 59 | | | n.a. |
| T 18 | 23 42 | 19 44 | 2 58 | 23 52 | 1 25 | 17 37 | 1 58 | 15 26 | 0 42 | 9 31 | 1 43 | 19 28 | 2 12 | 23 21 | 0 19 | 22 53 | 0 25 | 0 35 | 9 57 | 13 53 | 13 19 | 18 59 | | | n.a. |
| F 19 | 23 39 | 20 1 | 3 45 | 23 31 | 1 21 | 17 56 | 1 55 | 15 13 | 0 42 | 9 32 | 1 43 | 19 29 | 2 12 | 23 21 | 0 19 | 22 53 | 0 25 | 0 34 | 9 57 | 13 50 | 13 18 | 19 0 | | | n.a. |
| S 20 | 23 35 | 19 24 | 4 23 | 23 10 | 1 16 | 18 15 | 1 51 | 14 58 | 0 41 | 9 32 | 1 43 | 19 30 | 2 13 | 23 21 | 0 19 | 22 53 | 0 25 | 0 34 | 9 56 | 13 47 | 13 17 | 19 0 | | | n.a. |
| S 21 | 23 30 | 17 54 | 4 49 | 22 46 | 1 11 | 18 33 | 1 48 | 14 44 | 0 40 | 9 33 | 1 44 | 19 31 | 2 13 | 23 21 | 0 19 | 22 53 | 0 25 | 0 34 | 9 56 | 13 43 | 13 16 | 19 0 | | | n.a. |
| M22 | 23 26 | 15 33 | 5 1 | 22 22 | 1 5 | 18 51 | 1 45 | 14 30 | 0 39 | 9 33 | 1 44 | 19 33 | 2 13 | 23 20 | 0 19 | 22 53 | 0 25 | 0 33 | 9 55 | 13 39 | 13 15 | 19 1 | | | n.a. |
| T 23 | 23 20 | 12 28 | 5 0 | 21 57 | 0 59 | 19 9 | 1 42 | 14 16 | 0 39 | 9 34 | 1 44 | 19 34 | 2 13 | 23 20 | 0 19 | 22 52 | 0 25 | 0 33 | 9 55 | 13 35 | 13 14 | 19 1 | | | n.a. |
| W24 | 23 15 | 8 47 | 4 44 | 21 30 | 0 53 | 19 26 | 1 38 | 14 1 | 0 38 | 9 35 | 1 45 | 19 35 | 2 13 | 23 20 | 0 19 | 22 52 | 0 25 | 0 32 | 9 55 | 13 32 | 13 12 | 19 2 | | | n.a. |
| T 25 | 23 9 | 4 39 | 4 13 | 21 3 | 0 47 | 19 43 | 1 35 | 13 46 | 0 37 | 9 36 | 1 45 | 19 37 | 2 14 | 23 20 | 0 19 | 22 52 | 0 24 | 0 32 | 9 54 | 13 29 | 13 11 | 19 2 | | | n.a. |
| F 26 | 23 2 | 0 13 | 3 29 | 20 35 | 0 40 | 19 59 | 1 31 | 13 32 | 0 36 | 9 37 | 1 45 | 19 38 | 2 14 | 23 19 | 0 19 | 22 52 | 0 24 | 0 31 | 9 54 | 13 28 | 13 10 | 19 3 | | | n.a. |
| S 27 | 22 55 | 4s19 | 2 33 | 20 6 | 0 34 | 20 15 | 1 28 | 13 17 | 0 35 | 9 38 | 1 46 | 19 39 | 2 14 | 23 19 | 0 19 | 22 52 | 0 24 | 0 31 | 9 53 | 13 27 | 13 9 | 19 3 | | | n.a. |
| S 28 | 22 48 | 8 44 | 1 26 | 19 36 | 0 27 | 20 31 | 1 24 | 13 2 | 0 35 | 9 39 | 1 46 | 19 41 | 2 14 | 23 19 | 0 19 | 22 52 | 0 24 | 0 31 | 9 53 | 13 27 | 13 8 | 19 3 | | | n.a. |
| M29 | 22 40 | 12 47 | 0 14 | 19 6 | 0 20 | 20 46 | 1 21 | 12 47 | 0 34 | 9 40 | 1 46 | 19 42 | 2 14 | 23 19 | 0 19 | 22 52 | 0 24 | 0 30 | 9 52 | 13 27 | 13 7 | 19 4 | | | n.a. |
| T 30 | 22 32 | 16 11 | 1n 2 | 18 35 | 0 12 | 21 0 | 1 17 | 12 31 | 0 33 | 9 41 | 1 46 | 19 43 | 2 14 | 23 18 | 0 19 | 22 52 | 0 24 | 0 30 | 9 52 | 13 27 | 13 6 | 19 4 | | | n.a. |
| W31 | 22n23 | 18s37 | 2n14 | 18n 3 | 0n 5 | 21n14 | 1s14 | 12n16 | 0n32 | 9s43 | 1s47 | 19s45 | 2s15 | 23s18 | 0s19 | 22s51 | 0n24 | 0n29 | 9n52 | 13s26 | 13s 5 | 19n 5 | | | n.a. |

Julian Day Number = 1008636.5, Delta T = 12h42m38s
Ecliptic obliquity = 23°55'01, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'50, Lahiri = -30°51'48 Julian Calendar 1 July 1952 BCE == Greg. Calendar 14 June 1952 BCE

The year -1951 astronomical counting style corresponds to year 1952 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## AUGUST 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 19 32 10 | 21♋ 1'26 | 15♐58 | 11♌55 | 11♊34 | 0♍30 | 9°R41 | 11°R43 | 14°R27 | 16°R56 | 21♎46 | 4°R53 | 3♏53 | 6♊28 | n.a. | T 1 |
| F 2 | 19 36 7 | 22° 0'04 | 0♑51 | 13°22 | 12°44 | 1°11 | 9♓38 | 11♒39 | 14♐25 | 16♐54 | 21°47 | 4♏46 | 3°50 | 6°35 | n.a. | F 2 |
| S 3 | 19 40 3 | 22°58'43 | 15°45 | 14°48 | 13°54 | 1°53 | 9°35 | 11°35 | 14°24 | 16°53 | 21°47 | 4°36 | 3°46 | 6°42 | n.a. | S 3 |
| S 4 | 19 44 0 | 23°57'25 | 0♒30 | 16°13 | 15° 4 | 2°34 | 9°31 | 11°30 | 14°22 | 16°52 | 21°48 | 4°25 | 3°43 | 6°48 | n.a. | S 4 |
| M 5 | 19 47 57 | 24°56'08 | 14°57 | 17°36 | 16°15 | 3°15 | 9°28 | 11°26 | 14°20 | 16°51 | 21°48 | 4°14 | 3°40 | 6°55 | n.a. | M 5 |
| T 6 | 19 51 53 | 25°54'54 | 29° 2 | 18°58 | 17°25 | 3°57 | 9°24 | 11°21 | 14°19 | 16°50 | 21°49 | 4° 3 | 3°37 | 7° 2 | n.a. | T 6 |
| W 7 | 19 55 50 | 26°53'42 | 12♓39 | 20°19 | 18°36 | 4°38 | 9°20 | 11°17 | 14°17 | 16°48 | 21°49 | 3°55 | 3°34 | 7° 8 | n.a. | W 7 |
| T 8 | 19 59 46 | 27°52'33 | 25°49 | 21°39 | 19°46 | 5°20 | 9°15 | 11°12 | 14°16 | 16°47 | 21°50 | 3°50 | 3°31 | 7°15 | n.a. | T 8 |
| F 9 | 20 3 43 | 28°51'26 | 8♈34 | 22°57 | 20°57 | 6° 1 | 9°11 | 11° 8 | 14°14 | 16°46 | 21°50 | 3°46 | 3°27 | 7°22 | n.a. | F 9 |
| S 10 | 20 7 39 | 29°50'21 | 20°57 | 24°14 | 22° 8 | 6°43 | 9° 6 | 11° 3 | 14°13 | 16°45 | 21°51 | 3°45 | 3°24 | 7°28 | n.a. | S 10 |
| S 11 | 20 11 36 | 0♌49'19 | 3♉ 3 | 25°29 | 23°19 | 7°25 | 9° 2 | 10°59 | 14°11 | 16°44 | 21°52 | 3°45 | 3°21 | 7°35 | n.a. | S 11 |
| M12 | 20 15 32 | 1°48'20 | 14°57 | 26°43 | 24°30 | 8° 7 | 8°57 | 10°54 | 14°10 | 16°43 | 21°53 | 3°45 | 3°18 | 7°42 | n.a. | M12 |
| T 13 | 20 19 29 | 2°47'23 | 26°46 | 27°55 | 25°41 | 8°49 | 8°51 | 10°49 | 14° 9 | 16°42 | 21°53 | 3°43 | 3°15 | 7°48 | n.a. | T 13 |
| W14 | 20 23 25 | 3°46'28 | 8♊34 | 29° 5 | 26°53 | 9°31 | 8°46 | 10°44 | 14° 7 | 16°41 | 21°54 | 3°40 | 3°12 | 7°55 | n.a. | W14 |
| T 15 | 20 27 22 | 4°45'36 | 20°26 | 0♍13 | 28° 4 | 10°13 | 8°41 | 10°40 | 14° 6 | 16°40 | 21°55 | 3°34 | 3° 8 | 8° 2 | n.a. | T 15 |
| F 16 | 20 31 19 | 5°44'46 | 2♋26 | 1°19 | 29°16 | 10°55 | 8°35 | 10°35 | 14° 5 | 16°39 | 21°56 | 3°25 | 3° 5 | 8° 8 | n.a. | F 16 |
| S 17 | 20 35 15 | 6°43'59 | 14°36 | 2°23 | 0♋28 | 11°37 | 8°29 | 10°30 | 14° 4 | 16°38 | 21°57 | 3°13 | 3° 2 | 8°15 | n.a. | S 17 |
| S 18 | 20 39 12 | 7°43'14 | 26°58 | 3°25 | 1°39 | 12°20 | 8°23 | 10°25 | 14° 3 | 16°37 | 21°58 | 3° 0 | 2°59 | 8°22 | n.a. | S 18 |
| M19 | 20 43 8 | 8°42'31 | 9♌34 | 4°24 | 2°51 | 13° 2 | 8°17 | 10°21 | 14° 2 | 16°36 | 21°59 | 2°46 | 2°56 | 8°28 | n.a. | M19 |
| T 20 | 20 47 5 | 9°41'50 | 22°22 | 5°21 | 4° 3 | 13°44 | 8°11 | 10°16 | 14° 1 | 16°36 | 21°59 | 2°33 | 2°52 | 8°35 | n.a. | T 20 |
| W21 | 20 51 1 | 10°41'12 | 5♍22 | 6°14 | 5°15 | 14°27 | 8° 5 | 10°11 | 14° 0 | 16°35 | 22° 1 | 2°21 | 2°49 | 8°42 | n.a. | W21 |
| T 22 | 20 54 58 | 11°40'35 | 18°33 | 7° 5 | 6°27 | 15°10 | 7°58 | 10° 6 | 13°59 | 16°34 | 22° 2 | 2°13 | 2°46 | 8°48 | n.a. | T 22 |
| F 23 | 20 58 54 | 12°40'01 | 1♎55 | 7°51 | 7°40 | 15°52 | 7°52 | 10° 2 | 13°58 | 16°33 | 22° 3 | 2° 7 | 2°43 | 8°55 | n.a. | F 23 |
| S 24 | 21 2 51 | 13°39'29 | 15°27 | 8°34 | 8°52 | 16°35 | 7°45 | 9°57 | 13°57 | 16°32 | 22° 4 | 2° 4 | 2°40 | 9° 2 | n.a. | S 24 |
| S 25 | 21 6 47 | 14°38'58 | 29°10 | 9°13 | 10° 5 | 17°18 | 7°38 | 9°52 | 13°56 | 16°32 | 22° 5 | 2°D 3 | 2°37 | 9° 8 | n.a. | S 25 |
| M26 | 21 10 44 | 15°38'30 | 13♏ 3 | 9°47 | 11°17 | 18° 1 | 7°31 | 9°47 | 13°55 | 16°31 | 22° 6 | 2°R 3 | 2°33 | 9°15 | n.a. | M26 |
| T 27 | 21 14 40 | 16°38'03 | 27° 7 | 10°16 | 12°30 | 18°43 | 7°24 | 9°43 | 13°55 | 16°31 | 22° 7 | 2° 3 | 2°30 | 9°22 | n.a. | T 27 |
| W28 | 21 18 37 | 17°37'38 | 11♐21 | 10°40 | 13°42 | 19°26 | 7°17 | 9°38 | 13°54 | 16°30 | 22° 8 | 2° 1 | 2°27 | 9°28 | n.a. | W28 |
| T 29 | 21 22 34 | 18°37'16 | 25°45 | 10°57 | 14°55 | 20°10 | 7° 9 | 9°33 | 13°53 | 16°29 | 22°10 | 1°57 | 2°24 | 9°35 | n.a. | T 29 |
| F 30 | 21 26 30 | 19°36'55 | 10♑13 | 11° 8 | 16° 8 | 20°53 | 7° 2 | 9°28 | 13°53 | 16°29 | 22°11 | 1°50 | 2°21 | 9°42 | n.a. | F 30 |
| S 31 | 21 30 27 | 20♌36'36 | 24♑41 | 11°R12 | 17♋21 | 21♍36 | 6♓55 | 9♒24 | 13♐52 | 16♐28 | 22♎12 | 1♏40 | 2♏18 | 9♊48 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 22n14 | 19s52 | 3n19 | 17n31 | 0s 2 | 21n28 | 1s10 | 12n 0 | 0n32 | 9s44 | 1s47 | 19s46 | 2s15 | 23s18 | 0s19 | 22s51 | 0n24 | 0n28 | 9n51 | 13s25 | 13s 4 | 19n 5 | | | n.a. |
| F 2 | 22 5 | 19 44 | 4 11 | 16 59 | 0 10 | 21 40 | 1 7 | 11 45 | 0 31 | 9 46 | 1 47 | 19 47 | 2 15 | 23 18 | 0 19 | 22 51 | 0 24 | 0 28 | 9 51 | 13 22 | 13 3 | 19 6 | | | n.a. |
| S 3 | 21 55 | 18 15 | 4 45 | 16 26 | 0 18 | 21 53 | 1 3 | 11 29 | 0 30 | 9 47 | 1 48 | 19 49 | 2 15 | 23 18 | 0 19 | 22 51 | 0 24 | 0 27 | 9 50 | 13 19 | 13 2 | 19 6 | | | n.a. |
| S 4 | 21 45 | 15 34 | 5 0 | 15 53 | 0 26 | 22 4 | 1 0 | 11 13 | 0 29 | 9 49 | 1 48 | 19 50 | 2 15 | 23 17 | 0 19 | 22 51 | 0 24 | 0 27 | 9 50 | 13 15 | 13 0 | 19 6 | | | n.a. |
| M 5 | 21 34 | 11 58 | 4 56 | 15 20 | 0 34 | 22 16 | 0 56 | 10 57 | 0 29 | 9 50 | 1 48 | 19 52 | 2 15 | 23 17 | 0 19 | 22 51 | 0 24 | 0 26 | 9 50 | 13 11 | 12 59 | 19 7 | | | n.a. |
| T 6 | 21 23 | 7 47 | 4 33 | 14 46 | 0 42 | 22 26 | 0 53 | 10 41 | 0 28 | 9 52 | 1 48 | 19 53 | 2 16 | 23 17 | 0 19 | 22 51 | 0 24 | 0 26 | 9 49 | 13 7 | 12 58 | 19 7 | | | n.a. |
| W 7 | 21 12 | 3 19 | 3 56 | 14 13 | 0 50 | 22 36 | 0 49 | 10 25 | 0 27 | 9 54 | 1 49 | 19 54 | 2 16 | 23 17 | 0 19 | 22 51 | 0 24 | 0 25 | 9 49 | 13 5 | 12 57 | 19 8 | | | n.a. |
| T 8 | 21 0 | 1n 9 | 3 6 | 13 39 | 0 58 | 22 46 | 0 45 | 10 9 | 0 26 | 9 56 | 1 49 | 19 56 | 2 16 | 23 17 | 0 19 | 22 51 | 0 24 | 0 24 | 9 48 | 13 3 | 12 56 | 19 8 | | | n.a. |
| F 9 | 20 48 | 5 26 | 2 9 | 13 6 | 1 6 | 22 54 | 0 42 | 9 53 | 0 26 | 9 58 | 1 49 | 19 57 | 2 16 | 23 16 | 0 19 | 22 51 | 0 24 | 0 24 | 9 48 | 13 1 | 12 55 | 19 8 | | | n.a. |
| S 10 | 20 35 | 9 22 | 1 7 | 12 32 | 1 15 | 23 2 | 0 38 | 9 36 | 0 25 | 10 0 | 1 49 | 19 59 | 2 16 | 23 16 | 0 19 | 22 51 | 0 24 | 0 23 | 9 47 | 13 1 | 12 54 | 19 9 | | | n.a. |
| S 11 | 20 22 | 12 50 | 0 4 | 11 59 | 1 23 | 23 10 | 0 35 | 9 20 | 0 24 | 10 2 | 1 50 | 20 0 | 2 16 | 23 16 | 0 19 | 22 50 | 0 24 | 0 23 | 9 47 | 13 1 | 12 53 | 19 9 | | | n.a. |
| M12 | 20 9 | 15 42 | 0s59 | 11 26 | 1 31 | 23 17 | 0 31 | 9 3 | 0 23 | 10 4 | 1 50 | 20 1 | 2 16 | 23 16 | 0 19 | 22 50 | 0 24 | 0 22 | 9 47 | 13 1 | 12 52 | 19 9 | | | n.a. |
| T 13 | 19 56 | 17 54 | 1 59 | 10 53 | 1 39 | 23 23 | 0 28 | 8 46 | 0 23 | 10 6 | 1 50 | 20 3 | 2 16 | 23 16 | 0 19 | 22 50 | 0 24 | 0 21 | 9 46 | 13 0 | 12 50 | 19 10 | | | n.a. |
| W14 | 19 42 | 19 19 | 2 53 | 10 21 | 1 47 | 23 29 | 0 24 | 8 30 | 0 22 | 10 8 | 1 50 | 20 4 | 2 16 | 23 16 | 0 19 | 22 50 | 0 24 | 0 21 | 9 46 | 12 59 | 12 49 | 19 10 | | | n.a. |
| T 15 | 19 27 | 19 54 | 3 40 | 9 49 | 1 55 | 23 33 | 0 21 | 8 13 | 0 21 | 10 11 | 1 51 | 20 6 | 2 17 | 23 15 | 0 19 | 22 50 | 0 24 | 0 20 | 9 45 | 12 57 | 12 48 | 19 10 | | | n.a. |
| F 16 | 19 13 | 19 36 | 4 18 | 9 18 | 2 3 | 23 38 | 0 17 | 7 56 | 0 20 | 10 13 | 1 51 | 20 7 | 2 17 | 23 15 | 0 19 | 22 50 | 0 24 | 0 19 | 9 45 | 12 54 | 12 47 | 19 11 | | | n.a. |
| S 17 | 18 58 | 18 23 | 4 45 | 8 48 | 2 11 | 23 41 | 0 14 | 7 39 | 0 20 | 10 16 | 1 51 | 20 9 | 2 17 | 23 15 | 0 19 | 22 50 | 0 24 | 0 18 | 9 45 | 12 50 | 12 46 | 19 11 | | | n.a. |
| S 18 | 18 42 | 16 18 | 4 58 | 8 18 | 2 19 | 23 44 | 0 10 | 7 21 | 0 19 | 10 18 | 1 51 | 20 10 | 2 17 | 23 15 | 0 19 | 22 50 | 0 24 | 0 18 | 9 44 | 12 45 | 12 45 | 19 12 | | | n.a. |
| M19 | 18 27 | 13 26 | 4 58 | 7 49 | 2 26 | 23 46 | 0 7 | 7 4 | 0 18 | 10 21 | 1 51 | 20 11 | 2 17 | 23 15 | 0 19 | 22 50 | 0 24 | 0 17 | 9 44 | 12 40 | 12 44 | 19 12 | | | n.a. |
| T 20 | 18 11 | 9 53 | 4 43 | 7 22 | 2 34 | 23 48 | 0 4 | 6 47 | 0 17 | 10 23 | 1 52 | 20 13 | 2 17 | 23 15 | 0 19 | 22 50 | 0 24 | 0 16 | 9 43 | 12 36 | 12 43 | 19 12 | | | n.a. |
| W21 | 17 54 | 5 49 | 4 13 | 6 55 | 2 41 | 23 48 | 0 0 | 6 30 | 0 17 | 10 26 | 1 52 | 20 14 | 2 17 | 23 15 | 0 19 | 22 50 | 0 24 | 0 16 | 9 43 | 12 32 | 12 42 | 19 13 | | | n.a. |
| T 22 | 17 38 | 1 26 | 3 28 | 6 30 | 2 48 | 23 48 | 0n 3 | 6 12 | 0 16 | 10 28 | 1 52 | 20 16 | 2 17 | 23 15 | 0 19 | 22 50 | 0 24 | 0 15 | 9 43 | 12 29 | 12 41 | 19 13 | | | n.a. |
| F 23 | 17 21 | 3s 6 | 2 32 | 6 6 | 2 54 | 23 48 | 0 6 | 5 55 | 0 15 | 10 31 | 1 52 | 20 17 | 2 17 | 23 14 | 0 19 | 22 50 | 0 24 | 0 14 | 9 42 | 12 27 | 12 39 | 19 13 | | | n.a. |
| S 24 | 17 3 | 7 32 | 1 27 | 5 45 | 3 0 | 23 46 | 0 9 | 5 37 | 0 14 | 10 34 | 1 52 | 20 18 | 2 17 | 23 14 | 0 19 | 22 50 | 0 24 | 0 13 | 9 42 | 12 26 | 12 38 | 19 14 | | | n.a. |
| S 25 | 16 46 | 11 38 | 0 15 | 5 25 | 3 6 | 23 44 | 0 13 | 5 19 | 0 14 | 10 36 | 1 52 | 20 20 | 2 17 | 23 14 | 0 19 | 22 50 | 0 24 | 0 12 | 9 41 | 12 25 | 12 37 | 19 14 | | | n.a. |
| M26 | 16 28 | 15 9 | 0n58 | 5 7 | 3 11 | 23 41 | 0 16 | 5 2 | 0 13 | 10 39 | 1 53 | 20 21 | 2 17 | 23 14 | 0 19 | 22 49 | 0 24 | 0 12 | 9 41 | 12 25 | 12 36 | 19 14 | | | n.a. |
| T 27 | 16 10 | 17 49 | 2 9 | 4 52 | 3 15 | 23 38 | 0 19 | 4 44 | 0 12 | 10 42 | 1 53 | 20 22 | 2 17 | 23 14 | 0 19 | 22 49 | 0 24 | 0 11 | 9 41 | 12 25 | 12 35 | 19 14 | | | n.a. |
| W28 | 15 51 | 19 25 | 3 12 | 4 39 | 3 19 | 23 34 | 0 22 | 4 26 | 0 11 | 10 45 | 1 53 | 20 24 | 2 17 | 23 14 | 0 19 | 22 49 | 0 24 | 0 10 | 9 40 | 12 25 | 12 34 | 19 15 | | | n.a. |
| T 29 | 15 33 | 19 46 | 4 4 | 4 30 | 3 22 | 23 29 | 0 25 | 4 8 | 0 11 | 10 48 | 1 53 | 20 25 | 2 17 | 23 14 | 0 19 | 22 49 | 0 24 | 0 9 | 9 40 | 12 23 | 12 33 | 19 15 | | | n.a. |
| F 30 | 15 14 | 18 51 | 4 41 | 4 24 | 3 24 | 23 23 | 0 28 | 3 50 | 0 10 | 10 51 | 1 53 | 20 26 | 2 17 | 23 14 | 0 19 | 22 49 | 0 24 | 0 8 | 9 39 | 12 21 | 12 32 | 19 15 | | | n.a. |
| S 31 | 14n54 | 16s42 | 5n 0 | 4n21 | 3s25 | 23n17 | 0n31 | 3n32 | 0n 9 | 10s54 | 1s53 | 20s28 | 2s17 | 23s14 | 0s19 | 22s49 | 0n24 | 0n 8 | 9n39 | 12s17 | 12s31 | 19n16 | | | n.a. |

Julian Day Number = 1008667.5, Delta T = 12h42m36s
Ecliptic obliquity = 23°55'01, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'45, Lahiri = -30°51'44 Julian Calendar 1 Aug. 1952 BCE == Greg. Calendar 15 July 1952 BCE

The year -1951 astronomical counting style corresponds to year 1952 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## SEPTEMBER 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 34 23 | 21♌36'19 | 9♒ 3 | 11°R 9 | 18♋34 | 22♍19 | 6°R47 | 9°R19 | 13°R52 | 16°R28 | 22♎14 | 1°R29 | 2♏14 | 9♊55 | n.a. | S 1 |
| M 2 | 21 38 20 | 22°36'05 | 23°13 | 10♍57 | 19°47 | 23° 2 | 6♓39 | 9♒15 | 13♐51 | 16♐27 | 22°15 | 1♏18 | 2°11 | 10° 2 | n.a. | M 2 |
| T 3 | 21 42 16 | 23°35'52 | 7♓ 5 | 10°37 | 21° 0 | 23°46 | 6°32 | 9°10 | 13°51 | 16°27 | 22°16 | 1° 8 | 2° 8 | 10° 8 | n.a. | T 3 |
| W 4 | 21 46 13 | 24°35'41 | 20°35 | 10° 9 | 22°14 | 24°29 | 6°24 | 9° 6 | 13°51 | 16°27 | 22°18 | 1° 0 | 2° 5 | 10°15 | n.a. | W 4 |
| T 5 | 21 50 9 | 25°35'33 | 3♈41 | 9°32 | 23°27 | 25°13 | 6°16 | 9° 1 | 13°50 | 16°26 | 22°19 | 0°54 | 2° 2 | 10°22 | n.a. | T 5 |
| F 6 | 21 54 6 | 26°35'27 | 16°25 | 8°46 | 24°41 | 25°56 | 6° 8 | 8°57 | 13°50 | 16°26 | 22°21 | 0°51 | 1°58 | 10°28 | n.a. | F 6 |
| S 7 | 21 58 2 | 27°35'24 | 28°49 | 7°52 | 25°54 | 26°40 | 6° 0 | 8°52 | 13°50 | 16°26 | 22°22 | 0°D49 | 1°55 | 10°35 | n.a. | S 7 |
| S 8 | 22 1 59 | 28°35'23 | 10♉57 | 6°51 | 27° 8 | 27°24 | 5°52 | 8°48 | 13°50 | 16°26 | 22°24 | 0°50 | 1°52 | 10°42 | n.a. | S 8 |
| M 9 | 22 5 56 | 29°35'24 | 22°53 | 5°43 | 28°21 | 28° 7 | 5°44 | 8°44 | 13°50 | 16°25 | 22°25 | 0°51 | 1°49 | 10°48 | n.a. | M 9 |
| T 10 | 22 9 52 | 0♍35'27 | 4♊43 | 4°30 | 29°35 | 28°51 | 5°36 | 8°39 | 13°D50 | 16°25 | 22°27 | 0°R51 | 1°46 | 10°55 | n.a. | T 10 |
| W11 | 22 13 49 | 1°35'33 | 16°32 | 3°15 | 0♌49 | 29°35 | 5°28 | 8°35 | 13°50 | 16°25 | 22°28 | 0°49 | 1°43 | 11° 2 | n.a. | W11 |
| T 12 | 22 17 45 | 2°35'41 | 28°27 | 1°58 | 2° 3 | 0♎19 | 5°20 | 8°31 | 13°50 | 16°25 | 22°30 | 0°46 | 1°39 | 11° 8 | n.a. | T 12 |
| F 13 | 22 21 42 | 3°35'52 | 10♋30 | 0°43 | 3°17 | 1° 3 | 5°11 | 8°27 | 13°50 | 16°25 | 22°32 | 0°40 | 1°36 | 11°15 | n.a. | F 13 |
| S 14 | 22 25 38 | 4°36'05 | 22°46 | 29♌32 | 4°31 | 1°47 | 5° 3 | 8°23 | 13°50 | 16°25 | 22°33 | 0°32 | 1°33 | 11°22 | n.a. | S 14 |
| S 15 | 22 29 35 | 5°36'19 | 5♌18 | 28°27 | 5°45 | 2°31 | 4°55 | 8°19 | 13°51 | 16°D25 | 22°35 | 0°22 | 1°30 | 11°29 | n.a. | S 15 |
| M16 | 22 33 31 | 6°36'36 | 18° 7 | 27°30 | 6°59 | 3°16 | 4°47 | 8°15 | 13°51 | 16°25 | 22°37 | 0°12 | 1°27 | 11°35 | n.a. | M16 |
| T 17 | 22 37 28 | 7°36'55 | 1♍13 | 26°42 | 8°13 | 4° 0 | 4°39 | 8°11 | 13°51 | 16°25 | 22°39 | 0° 2 | 1°23 | 11°42 | n.a. | T 17 |
| W18 | 22 41 25 | 8°37'16 | 14°35 | 26° 5 | 9°27 | 4°44 | 4°31 | 8° 7 | 13°52 | 16°25 | 22°40 | 29♎54 | 1°20 | 11°49 | n.a. | W18 |
| T 19 | 22 45 21 | 9°37'39 | 28°11 | 25°40 | 10°42 | 5°29 | 4°23 | 8° 4 | 13°52 | 16°25 | 22°42 | 29°48 | 1°17 | 11°55 | n.a. | T 19 |
| F 20 | 22 49 18 | 10°38'03 | 11♎58 | 25°26 | 11°56 | 6°13 | 4°14 | 8° 0 | 13°52 | 16°25 | 22°44 | 29°44 | 1°14 | 12° 2 | n.a. | F 20 |
| S 21 | 22 53 14 | 11°38'30 | 25°53 | 25°D23 | 13°10 | 6°58 | 4° 6 | 7°56 | 13°53 | 16°25 | 22°46 | 29°D43 | 1°11 | 12° 9 | n.a. | S 21 |
| S 22 | 22 57 11 | 12°38'58 | 9♏54 | 25°32 | 14°25 | 7°42 | 3°58 | 7°53 | 13°54 | 16°26 | 22°48 | 29°43 | 1° 8 | 12°15 | n.a. | S 22 |
| M23 | 23 1 7 | 13°39'27 | 23°58 | 25°51 | 15°39 | 8°27 | 3°50 | 7°49 | 13°54 | 16°26 | 22°50 | 29°44 | 1° 4 | 12°22 | n.a. | M23 |
| T 24 | 23 5 4 | 14°39'58 | 8♐ 5 | 26°20 | 16°54 | 9°11 | 3°43 | 7°46 | 13°55 | 16°26 | 22°51 | 29°R45 | 1° 1 | 12°29 | n.a. | T 24 |
| W25 | 23 9 0 | 15°40'31 | 22°14 | 26°58 | 18° 8 | 9°56 | 3°35 | 7°43 | 13°56 | 16°27 | 22°53 | 29°45 | 0°58 | 12°35 | n.a. | W25 |
| T 26 | 23 12 57 | 16°41'05 | 6♑22 | 27°44 | 19°23 | 10°41 | 3°27 | 7°40 | 13°57 | 16°27 | 22°55 | 29°43 | 0°55 | 12°42 | n.a. | T 26 |
| F 27 | 23 16 53 | 17°41'40 | 20°28 | 28°37 | 20°38 | 11°26 | 3°19 | 7°37 | 13°57 | 16°27 | 22°57 | 29°40 | 0°52 | 12°49 | n.a. | F 27 |
| S 28 | 23 20 50 | 18°42'17 | 4♒29 | 29°36 | 21°52 | 12°11 | 3°12 | 7°34 | 13°58 | 16°28 | 22°59 | 29°34 | 0°49 | 12°55 | n.a. | S 28 |
| S 29 | 23 24 47 | 19°42'56 | 18°22 | 0♍41 | 23° 7 | 12°56 | 3° 4 | 7°31 | 13°59 | 16°28 | 23° 1 | 29°28 | 0°45 | 13° 2 | n.a. | S 29 |
| M30 | 23 28 43 | 20♍43'35 | 2♓ 4 | 1♍51 | 24♌22 | 13♎41 | 2♓57 | 7♒28 | 14♐ 0 | 16♐29 | 23♎ 3 | 29♎21 | 0♏42 | 13♊ 9 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 14n35 | 13s32 | 5n 0 | 4n23 | 3s25 | 23n 9 | 0n34 | 3n14 | 0n 8 | 10s57 | 1s53 | 20s29 | 2s17 | 23s14 | 0s19 | 22s49 | 0n24 | 0n 7 | 9n39 | 12s14 | 12s29 | 19n16 | | n.a. |
| M 2 | 14 15 | 9 38 | 4 41 | 4 28 | 3 24 | 23 2 | 0 37 | 2 56 | 0 8 | 11 0 | 1 53 | 20 30 | 2 17 | 23 14 | 0 19 | 22 49 | 0 24 | 0 6 | 9 38 | 12 10 | 12 28 | 19 16 | | n.a. |
| T 3 | 13 55 | 5 18 | 4 5 | 4 38 | 3 21 | 22 53 | 0 39 | 2 38 | 0 7 | 11 3 | 1 54 | 20 31 | 2 17 | 23 14 | 0 19 | 22 49 | 0 24 | 0 5 | 9 38 | 12 6 | 12 27 | 19 17 | | n.a. |
| W 4 | 13 35 | 0 48 | 3 17 | 4 53 | 3 16 | 22 44 | 0 42 | 2 19 | 0 6 | 11 6 | 1 54 | 20 33 | 2 17 | 23 13 | 0 19 | 22 49 | 0 24 | 0 4 | 9 38 | 12 3 | 12 26 | 19 17 | | n.a. |
| T 5 | 13 15 | 3n37 | 2 19 | 5 13 | 3 10 | 22 34 | 0 45 | 2 1 | 0 5 | 11 9 | 1 54 | 20 34 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0 3 | 9 37 | 12 1 | 12 25 | 19 17 | | n.a. |
| F 6 | 12 54 | 7 45 | 1 16 | 5 38 | 3 2 | 22 24 | 0 47 | 1 43 | 0 5 | 11 12 | 1 54 | 20 35 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0 2 | 9 37 | 12 0 | 12 24 | 19 17 | | n.a. |
| S 7 | 12 33 | 11 26 | 0 11 | 6 8 | 2 52 | 22 12 | 0 50 | 1 25 | 0 4 | 11 15 | 1 54 | 20 36 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0 2 | 9 37 | 11 59 | 12 23 | 19 18 | | n.a. |
| S 8 | 12 12 | 14 33 | 0s54 | 6 42 | 2 40 | 22 0 | 0 52 | 1 6 | 0 3 | 11 18 | 1 54 | 20 37 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0 1 | 9 36 | 12 0 | 12 22 | 19 18 | | n.a. |
| M 9 | 11 51 | 17 0 | 1 55 | 7 21 | 2 26 | 21 48 | 0 55 | 0 48 | 0 2 | 11 21 | 1 54 | 20 38 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0s 0 | 9 36 | 12 0 | 12 20 | 19 18 | | n.a. |
| T 10 | 11 29 | 18 42 | 2 51 | 8 2 | 2 10 | 21 34 | 0 57 | 0 29 | 0 2 | 11 24 | 1 54 | 20 40 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0 1 | 9 36 | 12 0 | 12 19 | 19 18 | | n.a. |
| W11 | 11 7 | 19 35 | 3 40 | 8 47 | 1 52 | 21 21 | 0 59 | 0 11 | 0 1 | 11 27 | 1 54 | 20 41 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0 2 | 9 35 | 11 59 | 12 18 | 19 19 | | n.a. |
| T 12 | 10 45 | 19 36 | 4 19 | 9 32 | 1 33 | 21 6 | 1 2 | 0s 8 | 0 0 | 11 30 | 1 54 | 20 42 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0 3 | 9 35 | 11 58 | 12 17 | 19 19 | | n.a. |
| F 13 | 10 23 | 18 43 | 4 47 | 10 18 | 1 13 | 20 51 | 1 4 | 0 26 | 0s 1 | 11 33 | 1 54 | 20 43 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0 4 | 9 35 | 11 56 | 12 16 | 19 19 | | n.a. |
| S 14 | 10 1 | 16 59 | 5 3 | 11 2 | 0 53 | 20 35 | 1 6 | 0 45 | 0 1 | 11 36 | 1 54 | 20 44 | 2 17 | 23 13 | 0 19 | 22 49 | 0 23 | 0 5 | 9 34 | 11 53 | 12 15 | 19 19 | | n.a. |
| S 15 | 9 38 | 14 24 | 5 4 | 11 44 | 0 33 | 20 18 | 1 8 | 1 3 | 0 2 | 11 39 | 1 54 | 20 45 | 2 17 | 23 13 | 0 18 | 22 49 | 0 23 | 0 6 | 9 34 | 11 50 | 12 14 | 19 20 | | n.a. |
| M16 | 9 16 | 11 6 | 4 51 | 12 23 | 0 12 | 20 1 | 1 10 | 1 22 | 0 3 | 11 42 | 1 54 | 20 46 | 2 17 | 23 13 | 0 18 | 22 49 | 0 23 | 0 7 | 9 34 | 11 46 | 12 13 | 19 20 | | n.a. |
| T 17 | 8 53 | 7 11 | 4 22 | 12 58 | 0n 7 | 19 44 | 1 12 | 1 40 | 0 3 | 11 45 | 1 54 | 20 47 | 2 17 | 23 13 | 0 18 | 22 49 | 0 23 | 0 8 | 9 33 | 11 43 | 12 11 | 19 20 | | n.a. |
| W18 | 8 30 | 2 50 | 3 38 | 13 28 | 0 26 | 19 25 | 1 14 | 1 59 | 0 4 | 11 48 | 1 54 | 20 48 | 2 17 | 23 13 | 0 18 | 22 49 | 0 23 | 0 8 | 9 33 | 11 40 | 12 10 | 19 20 | | n.a. |
| T 19 | 8 7 | 1s43 | 2 41 | 13 53 | 0 43 | 19 7 | 1 15 | 2 18 | 0 5 | 11 51 | 1 54 | 20 49 | 2 17 | 23 14 | 0 18 | 22 50 | 0 23 | 0 9 | 9 33 | 11 37 | 12 9 | 19 21 | | n.a. |
| F 20 | 7 44 | 6 16 | 1 34 | 14 13 | 0 59 | 18 47 | 1 17 | 2 36 | 0 6 | 11 54 | 1 54 | 20 50 | 2 17 | 23 14 | 0 18 | 22 50 | 0 23 | 0 10 | 9 32 | 11 36 | 12 8 | 19 21 | | n.a. |
| S 21 | 7 20 | 10 31 | 0 21 | 14 27 | 1 13 | 18 27 | 1 19 | 2 55 | 0 6 | 11 57 | 1 54 | 20 50 | 2 17 | 23 14 | 0 18 | 22 50 | 0 23 | 0 11 | 9 32 | 11 35 | 12 7 | 19 21 | | n.a. |
| S 22 | 6 57 | 14 12 | 0n55 | 14 36 | 1 25 | 18 7 | 1 20 | 3 13 | 0 7 | 12 0 | 1 53 | 20 51 | 2 16 | 23 14 | 0 18 | 22 50 | 0 23 | 0 12 | 9 32 | 11 36 | 12 6 | 19 21 | | n.a. |
| M23 | 6 33 | 17 5 | 2 7 | 14 40 | 1 36 | 17 46 | 1 22 | 3 32 | 0 8 | 12 3 | 1 53 | 20 52 | 2 16 | 23 14 | 0 18 | 22 50 | 0 23 | 0 13 | 9 31 | 11 36 | 12 5 | 19 21 | | n.a. |
| T 24 | 6 9 | 18 56 | 3 13 | 14 38 | 1 45 | 17 24 | 1 23 | 3 51 | 0 8 | 12 6 | 1 53 | 20 53 | 2 16 | 23 14 | 0 18 | 22 50 | 0 23 | 0 14 | 9 31 | 11 36 | 12 4 | 19 22 | | n.a. |
| W25 | 5 45 | 19 35 | 4 6 | 14 32 | 1 53 | 17 2 | 1 25 | 4 9 | 0 9 | 12 9 | 1 53 | 20 54 | 2 16 | 23 14 | 0 18 | 22 50 | 0 23 | 0 15 | 9 31 | 11 36 | 12 2 | 19 22 | | n.a. |
| T 26 | 5 21 | 19 1 | 4 45 | 14 22 | 2 0 | 16 39 | 1 26 | 4 28 | 0 10 | 12 11 | 1 53 | 20 54 | 2 16 | 23 14 | 0 18 | 22 50 | 0 23 | 0 16 | 9 31 | 11 36 | 12 1 | 19 22 | | n.a. |
| F 27 | 4 57 | 17 17 | 5 6 | 14 8 | 2 5 | 16 16 | 1 27 | 4 46 | 0 11 | 12 14 | 1 53 | 20 55 | 2 16 | 23 14 | 0 18 | 22 50 | 0 23 | 0 17 | 9 30 | 11 34 | 12 0 | 19 22 | | n.a. |
| S 28 | 4 33 | 14 32 | 5 9 | 13 50 | 2 8 | 15 53 | 1 28 | 5 5 | 0 11 | 12 17 | 1 53 | 20 56 | 2 16 | 23 14 | 0 18 | 22 50 | 0 23 | 0 18 | 9 30 | 11 32 | 11 59 | 19 22 | | n.a. |
| S 29 | 4 9 | 10 59 | 4 53 | 13 29 | 2 11 | 15 29 | 1 29 | 5 23 | 0 12 | 12 19 | 1 53 | 20 56 | 2 16 | 23 14 | 0 18 | 22 50 | 0 23 | 0 19 | 9 30 | 11 30 | 11 58 | 19 23 | | n.a. |
| M30 | 3n45 | 6s53 | 4n21 | 13n 5 | 2n12 | 15n 4 | 1n30 | 5s42 | 0s13 | 12s22 | 1s52 | 20s57 | 2s16 | 23s14 | 0s18 | 22s50 | 0n23 | 0s20 | 9n30 | 11s28 | 11s57 | 19n23 | | n.a. |

Julian Day Number = 1008698.5, Delta T = 12h42m34s
Ecliptic obliquity = 23°55'01, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'41, Lahiri = -30°51'40 Julian Calendar 1 Sept. 1952 BCE == Greg. Calendar 15 Aug. 1952 BCE


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## OCTOBER 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 32 40 | 21♍44'16 | 15♓33 | 3♍ 4 | 25♌37 | 14♎26 | 2°R50 | 7°R25 | 14♐ 1 | 16♐29 | 23♎ 5 | 29°R15 | 0♏39 | 13♊15 | n.a. | T 1 |
| W 2 | 23 36 36 | 22°44'59 | 28°45 | 4°21 | 26°52 | 15°11 | 2♓42 | 7♒23 | 14° 2 | 16°30 | 23° 7 | 29♎10 | 0°36 | 13°22 | n.a. | W 2 |
| T 3 | 23 40 33 | 23°45'44 | 11♈39 | 5°41 | 28° 7 | 15°56 | 2°35 | 7°20 | 14° 4 | 16°31 | 23° 9 | 29° 7 | 0°33 | 13°29 | n.a. | T 3 |
| F 4 | 23 44 29 | 24°46'30 | 24°15 | 7° 4 | 29°22 | 16°41 | 2°28 | 7°18 | 14° 5 | 16°31 | 23°11 | 29°D 5 | 0°29 | 13°35 | n.a. | F 4 |
| S 5 | 23 48 26 | 25°47'17 | 6♉36 | 8°29 | 0♍36 | 17°27 | 2°21 | 7°15 | 14° 6 | 16°32 | 23°13 | 29° 5 | 0°26 | 13°42 | n.a. | S 5 |
| S 6 | 23 52 22 | 26°48'07 | 18°42 | 9°55 | 1°52 | 18°12 | 2°15 | 7°13 | 14° 7 | 16°33 | 23°16 | 29° 7 | 0°23 | 13°49 | n.a. | S 6 |
| M 7 | 23 56 19 | 27°48'58 | 0♊39 | 11°23 | 3° 7 | 18°57 | 2° 8 | 7°11 | 14° 9 | 16°33 | 23°18 | 29° 8 | 0°20 | 13°55 | n.a. | M 7 |
| T 8 | 0 0 15 | 28°49'51 | 12°30 | 12°52 | 4°22 | 19°43 | 2° 1 | 7° 9 | 14°10 | 16°34 | 23°20 | 29°10 | 0°17 | 14° 2 | n.a. | T 8 |
| W 9 | 0 4 12 | 29°50'45 | 24°20 | 14°23 | 5°37 | 20°28 | 1°55 | 7° 7 | 14°12 | 16°35 | 23°22 | 29°11 | 0°14 | 14° 9 | n.a. | W 9 |
| T 10 | 0 8 9 | 0♎51'41 | 6♋14 | 15°54 | 6°52 | 21°14 | 1°49 | 7° 5 | 14°13 | 16°36 | 23°24 | 29°R11 | 0°10 | 14°16 | n.a. | T 10 |
| F 11 | 0 12 5 | 1°52'39 | 18°17 | 17°25 | 8° 7 | 21°59 | 1°43 | 7° 3 | 14°15 | 16°37 | 23°26 | 29°10 | 0° 7 | 14°22 | n.a. | F 11 |
| S 12 | 0 16 2 | 2°53'38 | 0♌34 | 18°57 | 9°22 | 22°45 | 1°37 | 7° 2 | 14°16 | 16°38 | 23°28 | 29° 8 | 0° 4 | 14°29 | n.a. | S 12 |
| S 13 | 0 19 58 | 3°54'38 | 13° 8 | 20°30 | 10°38 | 23°31 | 1°31 | 7° 0 | 14°18 | 16°38 | 23°31 | 29° 4 | 0° 1 | 14°36 | n.a. | S 13 |
| M14 | 0 23 55 | 4°55'40 | 26° 3 | 22° 3 | 11°53 | 24°16 | 1°25 | 6°59 | 14°20 | 16°39 | 23°33 | 29° 0 | 29♎58 | 14°42 | n.a. | M14 |
| T 15 | 0 27 51 | 5°56'44 | 9♍20 | 23°36 | 13° 8 | 25° 2 | 1°20 | 6°57 | 14°21 | 16°40 | 23°35 | 28°56 | 29°55 | 14°49 | n.a. | T 15 |
| W16 | 0 31 48 | 6°57'48 | 22°58 | 25°10 | 14°23 | 25°48 | 1°15 | 6°56 | 14°23 | 16°41 | 23°37 | 28°53 | 29°51 | 14°56 | n.a. | W16 |
| T 17 | 0 35 44 | 7°58'54 | 6♎56 | 26°43 | 15°39 | 26°34 | 1°10 | 6°55 | 14°25 | 16°43 | 23°39 | 28°51 | 29°48 | 15° 2 | n.a. | T 17 |
| F 18 | 0 39 41 | 9° 0'01 | 21° 9 | 28°17 | 16°54 | 27°20 | 1° 5 | 6°54 | 14°27 | 16°44 | 23°42 | 28°50 | 29°45 | 15° 9 | n.a. | F 18 |
| S 19 | 0 43 38 | 10° 1'09 | 5♏32 | 29°51 | 18° 9 | 28° 6 | 1° 0 | 6°53 | 14°29 | 16°45 | 23°44 | 28°D50 | 29°42 | 15°16 | n.a. | S 19 |
| S 20 | 0 47 34 | 11° 2'18 | 20° 1 | 1♎24 | 19°25 | 28°52 | 0°55 | 6°53 | 14°31 | 16°46 | 23°46 | 28°50 | 29°39 | 15°22 | n.a. | S 20 |
| M21 | 0 51 31 | 12° 3'28 | 4♐30 | 2°58 | 20°40 | 29°38 | 0°51 | 6°52 | 14°33 | 16°47 | 23°48 | 28°52 | 29°35 | 15°29 | n.a. | M21 |
| T 22 | 0 55 27 | 13° 4'38 | 18°55 | 4°32 | 21°55 | 0♏24 | 0°47 | 6°51 | 14°35 | 16°48 | 23°51 | 28°53 | 29°32 | 15°36 | n.a. | T 22 |
| W23 | 0 59 24 | 14° 5'49 | 3♑12 | 6° 6 | 23°11 | 1°10 | 0°43 | 6°51 | 14°37 | 16°50 | 23°53 | 28°54 | 29°29 | 15°42 | n.a. | W23 |
| T 24 | 1 3 20 | 15° 7'00 | 17°18 | 7°40 | 24°26 | 1°56 | 0°39 | 6°51 | 14°39 | 16°51 | 23°55 | 28°R54 | 29°26 | 15°49 | n.a. | T 24 |
| F 25 | 1 7 17 | 16° 8'12 | 1♒12 | 9°14 | 25°42 | 2°42 | 0°35 | 6°50 | 14°41 | 16°52 | 23°58 | 28°53 | 29°23 | 15°56 | n.a. | F 25 |
| S 26 | 1 11 14 | 17° 9'25 | 14°54 | 10°48 | 26°57 | 3°29 | 0°32 | 6°D50 | 14°43 | 16°54 | 24° 0 | 28°52 | 29°20 | 16° 3 | n.a. | S 26 |
| S 27 | 1 15 10 | 18°10'37 | 28°23 | 12°22 | 28°13 | 4°15 | 0°28 | 6°50 | 14°45 | 16°55 | 24° 2 | 28°51 | 29°16 | 16° 9 | n.a. | S 27 |
| M28 | 1 19 7 | 19°11'51 | 11♓38 | 13°56 | 29°28 | 5° 1 | 0°25 | 6°50 | 14°48 | 16°56 | 24° 4 | 28°50 | 29°13 | 16°16 | n.a. | M28 |
| T 29 | 1 23 3 | 20°13'04 | 24°41 | 15°30 | 0♎43 | 5°48 | 0°23 | 6°51 | 14°50 | 16°58 | 24° 7 | 28°48 | 29°10 | 16°23 | n.a. | T 29 |
| W30 | 1 27 0 | 21°14'19 | 7♈29 | 17° 4 | 1°59 | 6°34 | 0°20 | 6°51 | 14°52 | 16°59 | 24° 9 | 28°48 | 29° 7 | 16°29 | n.a. | W30 |
| T 31 | 1 30 56 | 22♎15'33 | 20♈ 5 | 18♎38 | 3♎14 | 7♏21 | 0♓17 | 6♒51 | 14♐55 | 17♐ 1 | 24♎11 | 28♎47 | 29♎ 4 | 16♊36 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 3n20 | 2s31 | 3n35 | 12n38 | 2n13 | 14n40 | 1n31 | 6s 0 | 0s13 | 12s25 | 1s52 | 20s58 | 2s15 | 23s15 | 0s18 | 22s50 | 0n23 | 0s21 | 9n29 | 11s25 | 11s56 | 19n23 | | | n.a. |
| W 2 | 2 56 | 1n54 | 2 38 | 12 10 | 2 13 | 14 14 | 1 32 | 6 19 | 0 14 | 12 27 | 1 52 | 20 58 | 2 15 | 23 15 | 0 18 | 22 50 | 0 23 | 0 22 | 9 29 | 11 24 | 11 55 | 19 23 | | | n.a. |
| T 3 | 2 31 | 6 8 | 1 34 | 11 39 | 2 12 | 13 49 | 1 33 | 6 37 | 0 15 | 12 30 | 1 52 | 20 59 | 2 15 | 23 15 | 0 18 | 22 50 | 0 23 | 0 23 | 9 29 | 11 22 | 11 53 | 19 23 | | | n.a. |
| F 4 | 2 7 | 10 0 | 0 26 | 11 6 | 2 10 | 13 23 | 1 33 | 6 55 | 0 15 | 12 32 | 1 52 | 20 59 | 2 15 | 23 15 | 0 18 | 22 51 | 0 23 | 0 24 | 9 29 | 11 22 | 11 52 | 19 24 | | | n.a. |
| S 5 | 1 42 | 13 21 | 0s41 | 10 31 | 2 8 | 12 56 | 1 34 | 7 14 | 0 16 | 12 34 | 1 52 | 21 0 | 2 15 | 23 15 | 0 18 | 22 51 | 0 23 | 0 25 | 9 28 | 11 22 | 11 51 | 19 24 | | | n.a. |
| S 6 | 1 18 | 16 3 | 1 45 | 9 55 | 2 5 | 12 29 | 1 34 | 7 32 | 0 17 | 12 37 | 1 51 | 21 0 | 2 15 | 23 15 | 0 18 | 22 51 | 0 23 | 0 26 | 9 28 | 11 22 | 11 50 | 19 24 | | | n.a. |
| M 7 | 0 53 | 18 1 | 2 44 | 9 18 | 2 1 | 12 2 | 1 35 | 7 50 | 0 18 | 12 39 | 1 51 | 21 1 | 2 15 | 23 15 | 0 18 | 22 51 | 0 23 | 0 27 | 9 28 | 11 23 | 11 49 | 19 24 | | | n.a. |
| T 8 | 0 28 | 19 11 | 3 36 | 8 39 | 1 57 | 11 34 | 1 35 | 8 8 | 0 18 | 12 41 | 1 51 | 21 1 | 2 14 | 23 16 | 0 18 | 22 51 | 0 23 | 0 28 | 9 28 | 11 24 | 11 48 | 19 24 | | | n.a. |
| W 9 | 0 4 | 19 30 | 4 18 | 8 0 | 1 53 | 11 7 | 1 35 | 8 26 | 0 19 | 12 43 | 1 51 | 21 1 | 2 14 | 23 16 | 0 18 | 22 51 | 0 23 | 0 29 | 9 27 | 11 24 | 11 47 | 19 24 | | | n.a. |
| T 10 | 0s21 | 18 57 | 4 49 | 7 20 | 1 49 | 10 38 | 1 36 | 8 45 | 0 20 | 12 45 | 1 50 | 21 2 | 2 14 | 23 16 | 0 18 | 22 51 | 0 23 | 0 30 | 9 27 | 11 24 | 11 45 | 19 24 | | | n.a. |
| F 11 | 0 46 | 17 33 | 5 9 | 6 39 | 1 44 | 10 10 | 1 36 | 9 3 | 0 20 | 12 47 | 1 50 | 21 2 | 2 14 | 23 16 | 0 18 | 22 51 | 0 23 | 0 31 | 9 27 | 11 24 | 11 44 | 19 25 | | | n.a. |
| S 12 | 1 10 | 15 19 | 5 14 | 5 57 | 1 38 | 9 41 | 1 36 | 9 21 | 0 21 | 12 49 | 1 50 | 21 2 | 2 14 | 23 16 | 0 18 | 22 51 | 0 23 | 0 32 | 9 27 | 11 23 | 11 43 | 19 25 | | | n.a. |
| S 13 | 1 35 | 12 20 | 5 5 | 5 15 | 1 33 | 9 12 | 1 36 | 9 38 | 0 22 | 12 51 | 1 50 | 21 3 | 2 14 | 23 17 | 0 18 | 22 51 | 0 23 | 0 33 | 9 27 | 11 22 | 11 42 | 19 25 | | | n.a. |
| M14 | 2 0 | 8 42 | 4 40 | 4 33 | 1 27 | 8 43 | 1 36 | 9 56 | 0 22 | 12 53 | 1 49 | 21 3 | 2 14 | 23 17 | 0 18 | 22 52 | 0 22 | 0 34 | 9 26 | 11 20 | 11 41 | 19 25 | | | n.a. |
| T 15 | 2 24 | 4 32 | 4 0 | 3 50 | 1 21 | 8 13 | 1 35 | 10 14 | 0 23 | 12 55 | 1 49 | 21 3 | 2 13 | 23 17 | 0 18 | 22 52 | 0 22 | 0 35 | 9 26 | 11 19 | 11 40 | 19 25 | | | n.a. |
| W16 | 2 49 | 0 1 | 3 5 | 3 7 | 1 15 | 7 43 | 1 35 | 10 32 | 0 24 | 12 56 | 1 49 | 21 3 | 2 13 | 23 17 | 0 18 | 22 52 | 0 22 | 0 36 | 9 26 | 11 18 | 11 39 | 19 25 | | | n.a. |
| T 17 | 3 14 | 4s36 | 1 58 | 2 23 | 1 9 | 7 13 | 1 35 | 10 49 | 0 24 | 12 58 | 1 49 | 21 3 | 2 13 | 23 17 | 0 18 | 22 52 | 0 22 | 0 37 | 9 26 | 11 17 | 11 37 | 19 25 | | | n.a. |
| F 18 | 3 38 | 9 4 | 0 42 | 1 39 | 1 3 | 6 43 | 1 35 | 11 7 | 0 25 | 12 59 | 1 48 | 21 3 | 2 13 | 23 18 | 0 18 | 22 52 | 0 22 | 0 38 | 9 26 | 11 16 | 11 36 | 19 26 | | | n.a. |
| S 19 | 4 3 | 13 3 | 0n37 | 0 56 | 0 57 | 6 13 | 1 34 | 11 24 | 0 26 | 13 1 | 1 48 | 21 3 | 2 13 | 23 18 | 0 18 | 22 52 | 0 22 | 0 39 | 9 26 | 11 16 | 11 35 | 19 26 | | | n.a. |
| S 20 | 4 27 | 16 16 | 1 55 | 0 12 | 0 50 | 5 42 | 1 34 | 11 42 | 0 26 | 13 2 | 1 48 | 21 3 | 2 13 | 23 18 | 0 18 | 22 52 | 0 22 | 0 40 | 9 25 | 11 17 | 11 34 | 19 26 | | | n.a. |
| M21 | 4 51 | 18 26 | 3 5 | 0s32 | 0 44 | 5 11 | 1 33 | 11 59 | 0 27 | 13 4 | 1 48 | 21 4 | 2 12 | 23 18 | 0 18 | 22 53 | 0 22 | 0 41 | 9 25 | 11 17 | 11 33 | 19 26 | | | n.a. |
| T 22 | 5 16 | 19 24 | 4 3 | 1 16 | 0 37 | 4 40 | 1 32 | 12 16 | 0 27 | 13 5 | 1 47 | 21 3 | 2 12 | 23 18 | 0 18 | 22 53 | 0 22 | 0 42 | 9 25 | 11 18 | 11 32 | 19 26 | | | n.a. |
| W23 | 5 40 | 19 7 | 4 46 | 2 0 | 0 31 | 4 9 | 1 32 | 12 33 | 0 28 | 13 6 | 1 47 | 21 3 | 2 12 | 23 19 | 0 18 | 22 53 | 0 22 | 0 43 | 9 25 | 11 18 | 11 31 | 19 26 | | | n.a. |
| T 24 | 6 4 | 17 39 | 5 10 | 2 44 | 0 24 | 3 38 | 1 31 | 12 50 | 0 29 | 13 7 | 1 47 | 21 3 | 2 12 | 23 19 | 0 18 | 22 53 | 0 22 | 0 44 | 9 25 | 11 18 | 11 29 | 19 26 | | | n.a. |
| F 25 | 6 28 | 15 9 | 5 17 | 3 28 | 0 17 | 3 7 | 1 30 | 13 7 | 0 29 | 13 8 | 1 46 | 21 3 | 2 12 | 23 19 | 0 18 | 22 53 | 0 22 | 0 45 | 9 25 | 11 18 | 11 28 | 19 26 | | | n.a. |
| S 26 | 6 52 | 11 50 | 5 5 | 4 11 | 0 11 | 2 36 | 1 29 | 13 23 | 0 30 | 13 9 | 1 46 | 21 3 | 2 12 | 23 19 | 0 18 | 22 53 | 0 22 | 0 45 | 9 25 | 11 17 | 11 27 | 19 26 | | | n.a. |
| S 27 | 7 16 | 7 58 | 4 36 | 4 55 | 0 4 | 2 4 | 1 28 | 13 40 | 0 31 | 13 10 | 1 46 | 21 3 | 2 11 | 23 20 | 0 18 | 22 53 | 0 22 | 0 46 | 9 24 | 11 17 | 11 26 | 19 26 | | | n.a. |
| M28 | 7 40 | 3 45 | 3 53 | 5 38 | 0s 2 | 1 32 | 1 27 | 13 57 | 0 31 | 13 11 | 1 45 | 21 3 | 2 11 | 23 20 | 0 18 | 22 54 | 0 22 | 0 47 | 9 24 | 11 16 | 11 25 | 19 27 | | | n.a. |
| T 29 | 8 3 | 0n34 | 2 58 | 6 21 | 0 9 | 1 1 | 1 26 | 14 13 | 0 32 | 13 12 | 1 45 | 21 2 | 2 11 | 23 20 | 0 18 | 22 54 | 0 22 | 0 48 | 9 24 | 11 16 | 11 24 | 19 27 | | | n.a. |
| W30 | 8 27 | 4 47 | 1 56 | 7 4 | 0 15 | 0 29 | 1 25 | 14 29 | 0 32 | 13 12 | 1 45 | 21 2 | 2 11 | 23 20 | 0 18 | 22 54 | 0 22 | 0 49 | 9 24 | 11 16 | 11 23 | 19 27 | | | n.a. |
| T 31 | 8s50 | 8n45 | 0n48 | 7s47 | 0s22 | 0s 2 | 1n23 | 14s45 | 0s33 | 13s13 | 1s44 | 21s 2 | 2s11 | 23s21 | 0s18 | 22s54 | 0n22 | 0s50 | 9n24 | 11s15 | 11s21 | 19n27 | | | n.a. |

Julian Day Number = 1008728.5, Delta T = 12h42m32s
Ecliptic obliquity = 23°55'02, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'37, Lahiri = -30°51'36 Julian Calendar 1 Oct. 1952 BCE == Greg. Calendar 14 Sept. 1952 BCE

The year -1951 astronomical counting style corresponds to year 1952 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## NOVEMBER 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 34 53 | 23♎16'49 | 2♉28 | 20♎12 | 4♎30 | 8♏ 7 | 0°R15 | 6♒52 | 14♐57 | 17♐ 2 | 24♎14 | 28°D47 | 29♎ 0 | 16♊43 | n.a. | F 1 |
| S 2 | 1 38 49 | 24°18'04 | 14°40 | 21°47 | 5°45 | 8°54 | 0♓13 | 6°53 | 15° 0 | 17° 4 | 24°16 | 28♎47 | 28°57 | 16°49 | n.a. | S 2 |
| S 3 | 1 42 46 | 25°19'21 | 26°43 | 23°21 | 7° 1 | 9°40 | 0°11 | 6°53 | 15° 2 | 17° 5 | 24°18 | 28°48 | 28°54 | 16°56 | n.a. | S 3 |
| M 4 | 1 46 43 | 26°20'38 | 8♊38 | 24°56 | 8°16 | 10°27 | 0°10 | 6°54 | 15° 5 | 17° 7 | 24°20 | 28°48 | 28°51 | 17° 3 | n.a. | M 4 |
| T 5 | 1 50 39 | 27°21'55 | 20°28 | 26°31 | 9°32 | 11°13 | 0° 8 | 6°55 | 15° 7 | 17° 8 | 24°23 | 28°48 | 28°48 | 17° 9 | n.a. | T 5 |
| W 6 | 1 54 36 | 28°23'14 | 2♋18 | 28° 6 | 10°47 | 12° 0 | 0° 7 | 6°56 | 15°10 | 17°10 | 24°25 | 28°R48 | 28°45 | 17°16 | n.a. | W 6 |
| T 7 | 1 58 32 | 29°24'32 | 14°11 | 29°41 | 12° 3 | 12°47 | 0° 6 | 6°58 | 15°13 | 17°12 | 24°27 | 28°48 | 28°41 | 17°23 | n.a. | T 7 |
| F 8 | 2 2 29 | 0♏25'51 | 26°12 | 1♏16 | 13°18 | 13°33 | 0° 5 | 6°59 | 15°15 | 17°13 | 24°30 | 28°D48 | 28°38 | 17°29 | n.a. | F 8 |
| S 9 | 2 6 25 | 1°27'11 | 8♌26 | 2°52 | 14°34 | 14°20 | 0° 5 | 7° 0 | 15°18 | 17°15 | 24°32 | 28°48 | 28°35 | 17°36 | n.a. | S 9 |
| S 10 | 2 10 22 | 2°28'31 | 20°56 | 4°28 | 15°49 | 15° 7 | 0° 4 | 7° 2 | 15°21 | 17°17 | 24°34 | 28°49 | 28°32 | 17°43 | n.a. | S 10 |
| M11 | 2 14 19 | 3°29'52 | 3♍48 | 6° 4 | 17° 5 | 15°54 | 0°D 4 | 7° 4 | 15°24 | 17°19 | 24°36 | 28°49 | 28°29 | 17°50 | n.a. | M11 |
| T 12 | 2 18 15 | 4°31'12 | 17° 3 | 7°40 | 18°20 | 16°41 | 0° 4 | 7° 5 | 15°26 | 17°20 | 24°39 | 28°49 | 28°26 | 17°56 | n.a. | T 12 |
| W13 | 2 22 12 | 5°32'33 | 0♎45 | 9°16 | 19°36 | 17°27 | 0° 4 | 7° 7 | 15°29 | 17°22 | 24°41 | 28°50 | 28°22 | 18° 3 | n.a. | W13 |
| T 14 | 2 26 8 | 6°33'54 | 14°51 | 10°53 | 20°51 | 18°14 | 0° 5 | 7° 9 | 15°32 | 17°24 | 24°43 | 28°51 | 28°19 | 18°10 | n.a. | T 14 |
| F 15 | 2 30 5 | 7°35'16 | 29°21 | 12°30 | 22° 7 | 19° 1 | 0° 5 | 7°11 | 15°35 | 17°26 | 24°46 | 28°R51 | 28°16 | 18°16 | n.a. | F 15 |
| S 16 | 2 34 1 | 8°36'37 | 14♏ 7 | 14° 8 | 23°22 | 19°48 | 0° 6 | 7°14 | 15°38 | 17°28 | 24°48 | 28°51 | 28°13 | 18°23 | n.a. | S 16 |
| S 17 | 2 37 58 | 9°37'58 | 29° 3 | 15°45 | 24°38 | 20°35 | 0° 7 | 7°16 | 15°41 | 17°29 | 24°50 | 28°50 | 28°10 | 18°30 | n.a. | S 17 |
| M18 | 2 41 54 | 10°39'19 | 14♐ 1 | 17°23 | 25°53 | 21°22 | 0° 9 | 7°18 | 15°44 | 17°31 | 24°52 | 28°48 | 28° 6 | 18°36 | n.a. | M18 |
| T 19 | 2 45 51 | 11°40'40 | 28°52 | 19° 1 | 27° 9 | 22° 9 | 0°10 | 7°21 | 15°47 | 17°33 | 24°54 | 28°47 | 28° 3 | 18°43 | n.a. | T 19 |
| W20 | 2 49 48 | 12°42'00 | 13♑29 | 20°40 | 28°24 | 22°56 | 0°12 | 7°24 | 15°50 | 17°35 | 24°57 | 28°45 | 28° 0 | 18°50 | n.a. | W20 |
| T 21 | 2 53 44 | 13°43'19 | 27°47 | 22°18 | 29°39 | 23°43 | 0°14 | 7°26 | 15°53 | 17°37 | 24°59 | 28°44 | 27°57 | 18°56 | n.a. | T 21 |
| F 22 | 2 57 41 | 14°44'38 | 11♒45 | 23°57 | 0♏55 | 24°30 | 0°16 | 7°29 | 15°56 | 17°39 | 25° 1 | 28°D43 | 27°54 | 19° 3 | n.a. | F 22 |
| S 23 | 3 1 37 | 15°45'56 | 25°21 | 25°36 | 2°10 | 25°18 | 0°18 | 7°32 | 15°59 | 17°41 | 25° 3 | 28°44 | 27°51 | 19°10 | n.a. | S 23 |
| S 24 | 3 5 34 | 16°47'14 | 8♓37 | 27°15 | 3°26 | 26° 5 | 0°21 | 7°35 | 16° 2 | 17°43 | 25° 5 | 28°45 | 27°47 | 19°17 | n.a. | S 24 |
| M25 | 3 9 30 | 17°48'30 | 21°35 | 28°54 | 4°41 | 26°52 | 0°23 | 7°38 | 16° 6 | 17°45 | 25° 8 | 28°46 | 27°44 | 19°23 | n.a. | M25 |
| T 26 | 3 13 27 | 18°49'46 | 4♈16 | 0♐33 | 5°57 | 27°39 | 0°26 | 7°42 | 16° 9 | 17°47 | 25°10 | 28°48 | 27°41 | 19°30 | n.a. | T 26 |
| W27 | 3 17 24 | 19°51'01 | 16°45 | 2°11 | 7°12 | 28°26 | 0°29 | 7°45 | 16°12 | 17°49 | 25°12 | 28°49 | 27°38 | 19°37 | n.a. | W27 |
| T 28 | 3 21 20 | 20°52'16 | 29° 2 | 3°50 | 8°27 | 29°13 | 0°33 | 7°48 | 16°15 | 17°51 | 25°14 | 28°R49 | 27°35 | 19°43 | n.a. | T 28 |
| F 29 | 3 25 17 | 21°53'30 | 11♉11 | 5°28 | 9°43 | 0♐ 0 | 0°36 | 7°52 | 16°18 | 17°53 | 25°16 | 28°49 | 27°31 | 19°50 | n.a. | F 29 |
| S 30 | 3 29 13 | 22♏54'43 | 23♉13 | 7♐ 5 | 10♏58 | 0♐48 | 0♓40 | 7♒56 | 16♐22 | 17♐56 | 25♎18 | 28♎47 | 27♎28 | 19♊57 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 9s13 | 12n15 | 0s20 | 8s29 | 0s28 | 0s34 | 1n22 | 15s 1 | 0s34 | 13s13 | 1s44 | 21s 2 | 2s10 | 23s21 | 0s18 | 22s54 | 0n22 | 0s51 | 9n24 | 11s15 | 11s20 | 19n27 | | n.a. |
| S 2 | 9 36 | 15 10 | 1 27 | 9 11 | 0 34 | 1 6 | 1 21 | 15 17 | 0 34 | 13 14 | 1 44 | 21 1 | 2 10 | 23 21 | 0 18 | 22 54 | 0 22 | 0 52 | 9 24 | 11 16 | 11 19 | 19 27 | | n.a. |
| S 3 | 9 59 | 17 24 | 2 29 | 9 52 | 0 40 | 1 37 | 1 19 | 15 33 | 0 35 | 13 14 | 1 43 | 21 1 | 2 10 | 23 22 | 0 18 | 22 55 | 0 22 | 0 53 | 9 24 | 11 16 | 11 18 | 19 27 | | n.a. |
| M 4 | 10 22 | 18 50 | 3 24 | 10 33 | 0 46 | 2 9 | 1 18 | 15 48 | 0 35 | 13 14 | 1 43 | 21 0 | 2 10 | 23 22 | 0 18 | 22 55 | 0 22 | 0 54 | 9 24 | 11 16 | 11 17 | 19 27 | | n.a. |
| T 5 | 10 44 | 19 25 | 4 10 | 11 14 | 0 52 | 2 41 | 1 16 | 16 4 | 0 36 | 13 15 | 1 43 | 21 0 | 2 10 | 23 22 | 0 18 | 22 55 | 0 22 | 0 55 | 9 23 | 11 16 | 11 16 | 19 27 | | n.a. |
| W 6 | 11 7 | 19 9 | 4 45 | 11 54 | 0 58 | 3 12 | 1 15 | 16 19 | 0 37 | 13 15 | 1 42 | 21 0 | 2 10 | 23 22 | 0 18 | 22 55 | 0 22 | 0 56 | 9 23 | 11 16 | 11 15 | 19 27 | | n.a. |
| T 7 | 11 29 | 18 3 | 5 8 | 12 34 | 1 4 | 3 44 | 1 13 | 16 34 | 0 37 | 13 15 | 1 42 | 20 59 | 2 9 | 23 23 | 0 18 | 22 55 | 0 22 | 0 57 | 9 23 | 11 16 | 11 13 | 19 27 | | n.a. |
| F 8 | 11 51 | 16 8 | 5 17 | 13 13 | 1 9 | 4 15 | 1 12 | 16 49 | 0 38 | 13 15 | 1 42 | 20 59 | 2 9 | 23 23 | 0 18 | 22 56 | 0 22 | 0 57 | 9 23 | 11 16 | 11 12 | 19 27 | | n.a. |
| S 9 | 12 13 | 13 29 | 5 13 | 13 52 | 1 14 | 4 47 | 1 10 | 17 4 | 0 38 | 13 15 | 1 41 | 20 58 | 2 9 | 23 23 | 0 18 | 22 56 | 0 22 | 0 58 | 9 23 | 11 16 | 11 11 | 19 27 | | n.a. |
| S 10 | 12 34 | 10 9 | 4 54 | 14 30 | 1 20 | 5 18 | 1 8 | 17 19 | 0 39 | 13 14 | 1 41 | 20 57 | 2 9 | 23 24 | 0 18 | 22 56 | 0 22 | 0 59 | 9 23 | 11 16 | 11 10 | 19 27 | | n.a. |
| M11 | 12 56 | 6 16 | 4 21 | 15 8 | 1 24 | 5 49 | 1 6 | 17 33 | 0 40 | 13 14 | 1 41 | 20 57 | 2 9 | 23 24 | 0 18 | 22 56 | 0 22 | 1 0 | 9 23 | 11 16 | 11 9 | 19 27 | | n.a. |
| T 12 | 13 17 | 1 58 | 3 32 | 15 45 | 1 29 | 6 20 | 1 5 | 17 48 | 0 40 | 13 14 | 1 40 | 20 56 | 2 9 | 23 24 | 0 18 | 22 56 | 0 22 | 1 1 | 9 23 | 11 16 | 11 8 | 19 27 | | n.a. |
| W13 | 13 38 | 2s35 | 2 30 | 16 21 | 1 34 | 6 51 | 1 3 | 18 2 | 0 41 | 13 13 | 1 40 | 20 55 | 2 8 | 23 25 | 0 18 | 22 57 | 0 22 | 1 2 | 9 23 | 11 17 | 11 6 | 19 27 | | n.a. |
| T 14 | 13 59 | 7 9 | 1 17 | 16 56 | 1 38 | 7 22 | 1 1 | 18 16 | 0 41 | 13 13 | 1 40 | 20 55 | 2 8 | 23 25 | 0 18 | 22 57 | 0 22 | 1 3 | 9 23 | 11 17 | 11 5 | 19 27 | | n.a. |
| F 15 | 14 19 | 11 25 | 0n 3 | 17 31 | 1 42 | 7 52 | 0 59 | 18 29 | 0 42 | 13 12 | 1 39 | 20 54 | 2 8 | 23 25 | 0 18 | 22 57 | 0 22 | 1 4 | 9 23 | 11 17 | 11 4 | 19 27 | | n.a. |
| S 16 | 14 39 | 15 4 | 1 24 | 18 5 | 1 46 | 8 23 | 0 57 | 18 43 | 0 42 | 13 12 | 1 39 | 20 53 | 2 8 | 23 26 | 0 18 | 22 57 | 0 22 | 1 4 | 9 23 | 11 17 | 11 3 | 19 27 | | n.a. |
| S 17 | 14 59 | 17 45 | 2 40 | 18 37 | 1 49 | 8 53 | 0 55 | 18 56 | 0 43 | 13 11 | 1 39 | 20 53 | 2 8 | 23 26 | 0 18 | 22 57 | 0 22 | 1 5 | 9 23 | 11 16 | 11 2 | 19 27 | | n.a. |
| M18 | 15 19 | 19 13 | 3 45 | 19 9 | 1 53 | 9 23 | 0 53 | 19 10 | 0 43 | 13 10 | 1 38 | 20 52 | 2 7 | 23 26 | 0 18 | 22 58 | 0 22 | 1 6 | 9 23 | 11 16 | 11 1 | 19 27 | | n.a. |
| T 19 | 15 38 | 19 20 | 4 35 | 19 40 | 1 56 | 9 52 | 0 51 | 19 23 | 0 44 | 13 9 | 1 38 | 20 51 | 2 7 | 23 26 | 0 18 | 22 58 | 0 22 | 1 7 | 9 23 | 11 15 | 11 0 | 19 27 | | n.a. |
| W20 | 15 57 | 18 9 | 5 6 | 20 10 | 1 58 | 10 22 | 0 48 | 19 35 | 0 44 | 13 8 | 1 38 | 20 50 | 2 7 | 23 27 | 0 18 | 22 58 | 0 22 | 1 8 | 9 23 | 11 15 | 10 58 | 19 27 | | n.a. |
| T 21 | 16 16 | 15 51 | 5 17 | 20 39 | 2 0 | 10 51 | 0 46 | 19 48 | 0 45 | 13 7 | 1 37 | 20 49 | 2 7 | 23 27 | 0 18 | 22 58 | 0 22 | 1 8 | 9 23 | 11 14 | 10 57 | 19 27 | | n.a. |
| F 22 | 16 35 | 12 40 | 5 9 | 21 6 | 2 2 | 11 20 | 0 44 | 20 0 | 0 45 | 13 6 | 1 37 | 20 48 | 2 7 | 23 27 | 0 18 | 22 58 | 0 22 | 1 9 | 9 23 | 11 14 | 10 56 | 19 27 | | n.a. |
| S 23 | 16 53 | 8 53 | 4 43 | 21 32 | 2 3 | 11 49 | 0 42 | 20 13 | 0 46 | 13 5 | 1 37 | 20 47 | 2 7 | 23 28 | 0 18 | 22 59 | 0 22 | 1 10 | 9 23 | 11 14 | 10 55 | 19 27 | | n.a. |
| S 24 | 17 11 | 4 45 | 4 3 | 21 57 | 2 4 | 12 17 | 0 40 | 20 25 | 0 46 | 13 4 | 1 36 | 20 46 | 2 6 | 23 28 | 0 18 | 22 59 | 0 22 | 1 11 | 9 23 | 11 15 | 10 54 | 19 27 | | n.a. |
| M25 | 17 29 | 0 29 | 3 12 | 22 20 | 2 5 | 12 45 | 0 37 | 20 36 | 0 47 | 13 3 | 1 36 | 20 45 | 2 6 | 23 28 | 0 18 | 22 59 | 0 22 | 1 12 | 9 23 | 11 15 | 10 53 | 19 27 | | n.a. |
| T 26 | 17 46 | 3n44 | 2 12 | 22 42 | 2 5 | 13 13 | 0 35 | 20 48 | 0 47 | 13 1 | 1 35 | 20 44 | 2 6 | 23 29 | 0 18 | 22 59 | 0 22 | 1 12 | 9 23 | 11 16 | 10 51 | 19 27 | | n.a. |
| W27 | 18 3 | 7 43 | 1 6 | 23 2 | 2 4 | 13 40 | 0 33 | 20 59 | 0 48 | 13 0 | 1 35 | 20 43 | 2 6 | 23 29 | 0 18 | 22 59 | 0 22 | 1 13 | 9 23 | 11 16 | 10 50 | 19 27 | | n.a. |
| T 28 | 18 20 | 11 20 | 0s 1 | 23 21 | 2 3 | 14 7 | 0 31 | 21 10 | 0 48 | 12 58 | 1 35 | 20 42 | 2 6 | 23 30 | 0 18 | 23 0 | 0 21 | 1 14 | 9 23 | 11 16 | 10 49 | 19 27 | | n.a. |
| F 29 | 18 36 | 14 25 | 1 8 | 23 38 | 2 1 | 14 34 | 0 28 | 21 21 | 0 49 | 12 57 | 1 34 | 20 41 | 2 6 | 23 30 | 0 18 | 23 0 | 0 21 | 1 15 | 9 23 | 11 16 | 10 48 | 19 27 | | n.a. |
| S 30 | 18s52 | 16n51 | 2s10 | 23s53 | 1s59 | 15s 0 | 0n26 | 21s32 | 0s49 | 12s55 | 1s34 | 20s40 | 2s 5 | 23s30 | 0s18 | 23s 0 | 0n21 | 1s15 | 9n23 | 11s15 | 10s47 | 19n27 | | n.a. |

Julian Day Number = 1008759.5, Delta T = 12h42m30s
Ecliptic obliquity = 23°55'01, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'33, Lahiri = -30°51'32 Julian Calendar 1 Nov. 1952 BCE == Greg. Calendar 15 Oct. 1952 BCE


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# ASTRODIENST EPHEMERIS for the year 1952 BCE
# geocentric

## DECEMBER 1952 BCE (-1951) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 33 10 | 23♏55'55 | 5♊ 9 | 8♐42 | 12♏13 | 1♐35 | 0♓44 | 7♒59 | 16♐25 | 17♐58 | 25♎20 | 28°R44 | 27♎25 | 20♊ 3 | n.a. | S 1 |
| M 2 | 3 37 6 | 24°57'07 | 17° 1 | 10°17 | 13°29 | 2°22 | 0°48 | 8° 3 | 16°28 | 18° 0 | 25°22 | 28♎39 | 27°22 | 20°10 | n.a. | M 2 |
| T 3 | 3 41 3 | 25°58'18 | 28°52 | 11°51 | 14°44 | 3° 9 | 0°52 | 8° 7 | 16°31 | 18° 2 | 25°24 | 28°34 | 27°19 | 20°17 | n.a. | T 3 |
| W 4 | 3 44 59 | 26°59'28 | 10♋43 | 13°23 | 15°59 | 3°57 | 0°57 | 8°11 | 16°35 | 18° 4 | 25°27 | 28°29 | 27°16 | 20°23 | n.a. | W 4 |
| T 5 | 3 48 56 | 28° 0'38 | 22°37 | 14°53 | 17°15 | 4°44 | 1° 1 | 8°15 | 16°38 | 18° 6 | 25°29 | 28°24 | 27°12 | 20°30 | n.a. | T 5 |
| F 6 | 3 52 53 | 29° 1'47 | 4♌38 | 16°21 | 18°30 | 5°31 | 1° 6 | 8°19 | 16°42 | 18° 8 | 25°31 | 28°21 | 27° 9 | 20°37 | n.a. | F 6 |
| S 7 | 3 56 49 | 0♐ 2'56 | 16°49 | 17°45 | 19°45 | 6°19 | 1°11 | 8°24 | 16°45 | 18°11 | 25°33 | 28°18 | 27° 6 | 20°44 | n.a. | S 7 |
| S 8 | 4 0 46 | 1° 4'03 | 29°14 | 19° 6 | 21° 0 | 7° 6 | 1°16 | 8°28 | 16°48 | 18°13 | 25°34 | 28°D17 | 27° 3 | 20°50 | n.a. | S 8 |
| M 9 | 4 4 42 | 2° 5'10 | 11♍58 | 20°23 | 22°16 | 7°53 | 1°22 | 8°32 | 16°52 | 18°15 | 25°36 | 28°17 | 27° 0 | 20°57 | n.a. | M 9 |
| T 10 | 4 8 39 | 3° 6'16 | 25° 5 | 21°34 | 23°31 | 8°41 | 1°27 | 8°37 | 16°55 | 18°17 | 25°38 | 28°19 | 26°57 | 21° 4 | n.a. | T 10 |
| W11 | 4 12 35 | 4° 7'22 | 8♎39 | 22°40 | 24°46 | 9°28 | 1°33 | 8°42 | 16°58 | 18°19 | 25°40 | 28°20 | 26°53 | 21°10 | n.a. | W11 |
| T 12 | 4 16 32 | 5° 8'26 | 22°40 | 23°39 | 26° 1 | 10°15 | 1°39 | 8°46 | 17° 2 | 18°22 | 25°42 | 28°R22 | 26°50 | 21°17 | n.a. | T 12 |
| F 13 | 4 20 29 | 6° 9'30 | 7♏ 8 | 24°31 | 27°17 | 11° 3 | 1°45 | 8°51 | 17° 5 | 18°24 | 25°44 | 28°21 | 26°47 | 21°24 | n.a. | F 13 |
| S 14 | 4 24 25 | 7°10'32 | 22° 1 | 25°14 | 28°32 | 11°50 | 1°51 | 8°56 | 17° 9 | 18°26 | 25°46 | 28°19 | 26°44 | 21°30 | n.a. | S 14 |
| S 15 | 4 28 22 | 8°11'34 | 7♐10 | 25°49 | 29°47 | 12°37 | 1°57 | 9° 1 | 17°12 | 18°28 | 25°48 | 28°15 | 26°41 | 21°37 | n.a. | S 15 |
| M16 | 4 32 18 | 9°12'34 | 22°26 | 26°13 | 1♐ 2 | 13°25 | 2° 4 | 9° 6 | 17°16 | 18°31 | 25°50 | 28°10 | 26°37 | 21°44 | n.a. | M16 |
| T 17 | 4 36 15 | 10°13'33 | 7♑39 | 26°27 | 2°17 | 14°12 | 2°10 | 9°11 | 17°19 | 18°33 | 25°51 | 28° 3 | 26°34 | 21°51 | n.a. | T 17 |
| W18 | 4 40 11 | 11°14'31 | 22°39 | 26°R30 | 3°33 | 14°59 | 2°17 | 9°16 | 17°23 | 18°35 | 25°53 | 27°57 | 26°31 | 21°57 | n.a. | W18 |
| T 19 | 4 44 8 | 12°15'27 | 7♒16 | 26°22 | 4°48 | 15°47 | 2°24 | 9°22 | 17°26 | 18°37 | 25°55 | 27°51 | 26°28 | 22° 4 | n.a. | T 19 |
| F 20 | 4 48 4 | 13°16'21 | 21°27 | 26° 3 | 6° 3 | 16°34 | 2°32 | 9°27 | 17°30 | 18°40 | 25°57 | 27°47 | 26°25 | 22°11 | n.a. | F 20 |
| S 21 | 4 52 1 | 14°17'14 | 5♓10 | 25°33 | 7°18 | 17°21 | 2°39 | 9°32 | 17°33 | 18°42 | 25°58 | 27°45 | 26°22 | 22°17 | n.a. | S 21 |
| S 22 | 4 55 58 | 15°18'04 | 18°26 | 24°53 | 8°33 | 18° 9 | 2°46 | 9°38 | 17°37 | 18°44 | 26° 0 | 27°D44 | 26°18 | 22°24 | n.a. | S 22 |
| M23 | 4 59 54 | 16°18'53 | 1♈18 | 24° 4 | 9°48 | 18°56 | 2°54 | 9°43 | 17°40 | 18°46 | 26° 2 | 27°45 | 26°15 | 22°31 | n.a. | M23 |
| T 24 | 5 3 51 | 17°19'41 | 13°50 | 23° 6 | 11° 3 | 19°43 | 3° 2 | 9°49 | 17°44 | 18°49 | 26° 3 | 27°46 | 26°12 | 22°37 | n.a. | T 24 |
| W25 | 5 7 47 | 18°20'26 | 26° 7 | 22° 3 | 12°18 | 20°31 | 3°10 | 9°55 | 17°47 | 18°51 | 26° 5 | 27°R47 | 26° 9 | 22°44 | n.a. | W25 |
| T 26 | 5 11 44 | 19°21'10 | 8♉12 | 20°55 | 13°33 | 21°18 | 3°18 | 10° 0 | 17°50 | 18°53 | 26° 6 | 27°47 | 26° 6 | 22°51 | n.a. | T 26 |
| F 27 | 5 15 40 | 20°21'52 | 20°11 | 19°44 | 14°48 | 22° 5 | 3°26 | 10° 6 | 17°54 | 18°56 | 26° 8 | 27°44 | 26° 3 | 22°58 | n.a. | F 27 |
| S 28 | 5 19 37 | 21°22'32 | 2♊ 4 | 18°33 | 16° 3 | 22°53 | 3°35 | 10°12 | 17°57 | 18°58 | 26° 9 | 27°38 | 25°59 | 23° 4 | n.a. | S 28 |
| S 29 | 5 23 34 | 22°23'10 | 13°55 | 17°24 | 17°18 | 23°40 | 3°43 | 10°18 | 18° 1 | 19° 0 | 26°11 | 27°31 | 25°56 | 23°11 | n.a. | S 29 |
| M30 | 5 27 30 | 23°23'47 | 25°46 | 16°17 | 18°33 | 24°27 | 3°52 | 10°24 | 18° 4 | 19° 2 | 26°12 | 27°21 | 25°53 | 23°18 | n.a. | M30 |
| T 31 | 5 31 27 | 24♐24'22 | 7♋39 | 15♐15 | 19♐48 | 25♐14 | 4♓ 0 | 10♒30 | 18♐ 8 | 19♐ 5 | 26♎14 | 27♎10 | 25♎50 | 23♊24 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | | lat |
| S 1 | 19s 8 | 18n31 | 3s 7 | 24s 6 | 1s56 | 15s26 | 0n23 | 21s42 | 0s50 | 12s53 | 1s34 | 20s39 | 2s 5 | 23s31 | 0s18 | 23s 0 | 0n21 | 1s16 | 9n23 | 11s14 | 10s46 | 19n27 | | | n.a. |
| M 2 | 19 23 | 19 23 | 3 55 | 24 17 | 1 52 | 15 52 | 0 21 | 21 52 | 0 50 | 12 52 | 1 33 | 20 38 | 2 5 | 23 31 | 0 18 | 23 0 | 0 21 | 1 17 | 9 23 | 11 13 | 10 44 | 19 27 | | | n.a. |
| T 3 | 19 38 | 19 23 | 4 32 | 24 26 | 1 47 | 16 17 | 0 19 | 22 2 | 0 51 | 12 50 | 1 33 | 20 36 | 2 5 | 23 31 | 0 18 | 23 1 | 0 21 | 1 17 | 9 23 | 11 11 | 10 43 | 19 27 | | | n.a. |
| W 4 | 19 52 | 18 31 | 4 58 | 24 33 | 1 42 | 16 42 | 0 16 | 22 12 | 0 51 | 12 48 | 1 33 | 20 35 | 2 5 | 23 32 | 0 18 | 23 1 | 0 21 | 1 18 | 9 23 | 11 9 | 10 42 | 19 27 | | | n.a. |
| T 5 | 20 7 | 16 52 | 5 11 | 24 37 | 1 36 | 17 6 | 0 14 | 22 21 | 0 52 | 12 46 | 1 32 | 20 34 | 2 5 | 23 32 | 0 18 | 23 1 | 0 21 | 1 19 | 9 23 | 11 7 | 10 41 | 19 27 | | | n.a. |
| F 6 | 20 20 | 14 27 | 5 11 | 24 40 | 1 28 | 17 30 | 0 11 | 22 30 | 0 52 | 12 44 | 1 32 | 20 33 | 2 4 | 23 32 | 0 18 | 23 1 | 0 21 | 1 19 | 9 24 | 11 6 | 10 40 | 19 27 | | | n.a. |
| S 7 | 20 34 | 11 24 | 4 57 | 24 40 | 1 20 | 17 53 | 0 9 | 22 39 | 0 52 | 12 42 | 1 32 | 20 31 | 2 4 | 23 33 | 0 18 | 23 1 | 0 21 | 1 20 | 9 24 | 11 5 | 10 39 | 19 27 | | | n.a. |
| S 8 | 20 47 | 7 47 | 4 29 | 24 38 | 1 11 | 18 16 | 0 7 | 22 48 | 0 53 | 12 39 | 1 31 | 20 30 | 2 4 | 23 33 | 0 18 | 23 2 | 0 21 | 1 21 | 9 24 | 11 5 | 10 37 | 19 27 | | | n.a. |
| M 9 | 20 59 | 3 44 | 3 47 | 24 34 | 1 1 | 18 38 | 0 4 | 22 56 | 0 53 | 12 37 | 1 31 | 20 29 | 2 4 | 23 33 | 0 18 | 23 2 | 0 21 | 1 21 | 9 24 | 11 5 | 10 36 | 19 27 | | | n.a. |
| T 10 | 21 12 | 0s38 | 2 52 | 24 28 | 0 49 | 19 0 | 0 2 | 23 4 | 0 54 | 12 35 | 1 31 | 20 27 | 2 4 | 23 34 | 0 18 | 23 2 | 0 21 | 1 22 | 9 24 | 11 5 | 10 35 | 19 27 | | | n.a. |
| W11 | 21 24 | 5 6 | 1 46 | 24 19 | 0 37 | 19 21 | 0s 1 | 23 12 | 0 54 | 12 32 | 1 30 | 20 26 | 2 4 | 23 34 | 0 18 | 23 2 | 0 21 | 1 22 | 9 24 | 11 6 | 10 34 | 19 27 | | | n.a. |
| T 12 | 21 35 | 9 28 | 0 31 | 24 9 | 0 24 | 19 42 | 0 3 | 23 20 | 0 55 | 12 30 | 1 30 | 20 25 | 2 4 | 23 34 | 0 18 | 23 3 | 0 21 | 1 23 | 9 24 | 11 6 | 10 33 | 19 27 | | | n.a. |
| F 13 | 21 46 | 13 25 | 0n48 | 23 57 | 0 9 | 20 2 | 0 5 | 23 27 | 0 55 | 12 28 | 1 30 | 20 23 | 2 3 | 23 35 | 0 18 | 23 3 | 0 21 | 1 24 | 9 24 | 11 6 | 10 32 | 19 26 | | | n.a. |
| S 14 | 21 56 | 16 37 | 2 5 | 23 43 | 0n 6 | 20 21 | 0 8 | 23 34 | 0 55 | 12 25 | 1 30 | 20 22 | 2 3 | 23 35 | 0 18 | 23 3 | 0 21 | 1 24 | 9 24 | 11 5 | 10 30 | 19 26 | | | n.a. |
| S 15 | 22 7 | 18 44 | 3 15 | 23 28 | 0 23 | 20 40 | 0 10 | 23 41 | 0 56 | 12 22 | 1 29 | 20 20 | 2 3 | 23 35 | 0 18 | 23 3 | 0 21 | 1 25 | 9 24 | 11 4 | 10 29 | 19 26 | | | n.a. |
| M16 | 22 16 | 19 30 | 4 12 | 23 12 | 0 40 | 20 59 | 0 12 | 23 47 | 0 56 | 12 20 | 1 29 | 20 19 | 2 3 | 23 36 | 0 18 | 23 3 | 0 21 | 1 25 | 9 25 | 11 2 | 10 28 | 19 26 | | | n.a. |
| T 17 | 22 26 | 18 52 | 4 50 | 22 54 | 0 58 | 21 17 | 0 15 | 23 54 | 0 56 | 12 17 | 1 29 | 20 17 | 2 3 | 23 36 | 0 18 | 23 4 | 0 21 | 1 26 | 9 25 | 11 0 | 10 27 | 19 26 | | | n.a. |
| W18 | 22 34 | 16 55 | 5 8 | 22 36 | 1 16 | 21 34 | 0 17 | 24 0 | 0 57 | 12 14 | 1 28 | 20 16 | 2 3 | 23 36 | 0 18 | 23 4 | 0 21 | 1 26 | 9 25 | 10 57 | 10 26 | 19 26 | | | n.a. |
| T 19 | 22 43 | 13 54 | 5 5 | 22 17 | 1 35 | 21 50 | 0 19 | 24 5 | 0 57 | 12 11 | 1 28 | 20 14 | 2 3 | 23 37 | 0 18 | 23 4 | 0 21 | 1 27 | 9 25 | 10 55 | 10 25 | 19 26 | | | n.a. |
| F 20 | 22 51 | 10 10 | 4 44 | 21 58 | 1 53 | 22 6 | 0 22 | 24 11 | 0 58 | 12 8 | 1 28 | 20 12 | 2 3 | 23 37 | 0 18 | 23 4 | 0 21 | 1 27 | 9 25 | 10 53 | 10 23 | 19 26 | | | n.a. |
| S 21 | 22 58 | 6 0 | 4 6 | 21 39 | 2 11 | 22 21 | 0 24 | 24 16 | 0 58 | 12 5 | 1 27 | 20 11 | 2 2 | 23 37 | 0 18 | 23 4 | 0 21 | 1 28 | 9 25 | 10 53 | 10 22 | 19 26 | | | n.a. |
| S 22 | 23 5 | 1 40 | 3 16 | 21 20 | 2 29 | 22 36 | 0 26 | 24 21 | 0 58 | 12 2 | 1 27 | 20 9 | 2 2 | 23 38 | 0 18 | 23 5 | 0 21 | 1 28 | 9 25 | 10 53 | 10 21 | 19 26 | | | n.a. |
| M23 | 23 12 | 2n38 | 2 18 | 21 2 | 2 45 | 22 50 | 0 28 | 24 25 | 0 59 | 11 59 | 1 27 | 20 8 | 2 2 | 23 38 | 0 18 | 23 5 | 0 21 | 1 29 | 9 25 | 10 53 | 10 20 | 19 25 | | | n.a. |
| T 24 | 23 18 | 6 42 | 1 15 | 20 44 | 3 0 | 23 3 | 0 31 | 24 29 | 0 59 | 11 56 | 1 26 | 20 6 | 2 2 | 23 38 | 0 18 | 23 5 | 0 21 | 1 29 | 9 26 | 10 53 | 10 19 | 19 25 | | | n.a. |
| W25 | 23 24 | 10 25 | 0 9 | 20 27 | 3 14 | 23 16 | 0 33 | 24 33 | 0 59 | 11 53 | 1 26 | 20 4 | 2 2 | 23 39 | 0 18 | 23 5 | 0 21 | 1 30 | 9 26 | 10 54 | 10 18 | 19 25 | | | n.a. |
| T 26 | 23 29 | 13 39 | 0s56 | 20 11 | 3 25 | 23 28 | 0 35 | 24 37 | 1 0 | 11 50 | 1 26 | 20 3 | 2 2 | 23 39 | 0 18 | 23 5 | 0 21 | 1 30 | 9 26 | 10 53 | 10 16 | 19 25 | | | n.a. |
| F 27 | 23 33 | 16 15 | 1 58 | 19 57 | 3 34 | 23 39 | 0 37 | 24 40 | 1 0 | 11 46 | 1 26 | 20 1 | 2 2 | 23 39 | 0 18 | 23 6 | 0 21 | 1 30 | 9 26 | 10 52 | 10 15 | 19 25 | | | n.a. |
| S 28 | 23 38 | 18 9 | 2 53 | 19 45 | 3 41 | 23 49 | 0 39 | 24 43 | 1 0 | 11 43 | 1 25 | 19 59 | 2 2 | 23 40 | 0 18 | 23 6 | 0 21 | 1 31 | 9 26 | 10 50 | 10 14 | 19 25 | | | n.a. |
| S 29 | 23 42 | 19 16 | 3 41 | 19 34 | 3 46 | 23 59 | 0 41 | 24 46 | 1 0 | 11 40 | 1 25 | 19 57 | 2 1 | 23 40 | 0 18 | 23 6 | 0 21 | 1 31 | 9 26 | 10 48 | 10 13 | 19 25 | | | n.a. |
| M30 | 23 45 | 19 31 | 4 20 | 19 25 | 3 48 | 24 8 | 0 43 | 24 49 | 1 1 | 11 36 | 1 25 | 19 55 | 2 1 | 23 40 | 0 18 | 23 6 | 0 21 | 1 32 | 9 27 | 10 44 | 10 12 | 19 25 | | | n.a. |
| T 31 | 23s48 | 18n55 | 4s47 | 19s18 | 3n48 | 24s16 | 0s45 | 24s51 | 1s 1 | 11s33 | 1s25 | 19s54 | 2s 1 | 23s41 | 0s18 | 23s 7 | 0n21 | 1s32 | 9n27 | 10s40 | 10s10 | 19n24 | | | n.a. |

Julian Day Number = 1008789.5, Delta T = 12h42m28s
Ecliptic obliquity = 23°55'01, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'29, Lahiri = -30°51'28 Julian Calendar 1 Dec. 1952 BCE == Greg. Calendar 14 Nov. 1952 BCE

The year -1951 astronomical counting style corresponds to year 1952 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## JANUARY 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 35 23 | 25♐24'55 | 19♋34 | 14°R19 | 21♐ 3 | 26♐ 2 | 4♓ 9 | 10♒36 | 18♐11 | 19♐ 7 | 26♎15 | 26°R58 | 25♎47 | 23♊31 | n.a. | W 1 |
| T 2 | 5 39 20 | 26°25'27 | 1♌33 | 13♐29 | 22°18 | 26°49 | 4°18 | 10°43 | 18°15 | 19° 9 | 26°17 | 26♎47 | 25°43 | 23°38 | n.a. | T 2 |
| F 3 | 5 43 16 | 27°25'57 | 13°38 | 12°46 | 23°33 | 27°36 | 4°28 | 10°49 | 18°18 | 19°12 | 26°18 | 26°37 | 25°40 | 23°44 | n.a. | F 3 |
| S 4 | 5 47 13 | 28°26'26 | 25°52 | 12°12 | 24°48 | 28°23 | 4°37 | 10°55 | 18°22 | 19°14 | 26°19 | 26°30 | 25°37 | 23°51 | n.a. | S 4 |
| S 5 | 5 51 9 | 29°26'53 | 8♍18 | 11°44 | 26° 3 | 29°11 | 4°46 | 11° 2 | 18°25 | 19°16 | 26°21 | 26°25 | 25°34 | 23°58 | n.a. | S 5 |
| M 6 | 5 55 6 | 0♏27'18 | 20°59 | 11°25 | 27°18 | 29°58 | 4°56 | 11° 8 | 18°29 | 19°18 | 26°22 | 26°23 | 25°31 | 24° 5 | n.a. | M 6 |
| T 7 | 5 59 3 | 1°27'42 | 3♎59 | 11°12 | 28°33 | 0♏45 | 5° 6 | 11°15 | 18°32 | 19°21 | 26°23 | 26°D22 | 25°28 | 24°11 | n.a. | T 7 |
| W 8 | 6 2 59 | 2°28'04 | 17°22 | 11°D 7 | 29°47 | 1°32 | 5°15 | 11°21 | 18°35 | 19°23 | 26°24 | 26°23 | 25°24 | 24°18 | n.a. | W 8 |
| T 9 | 6 6 56 | 3°28'24 | 1♏11 | 11° 9 | 1♏ 2 | 2°19 | 5°25 | 11°28 | 18°39 | 19°25 | 26°25 | 26°R23 | 25°21 | 24°25 | n.a. | T 9 |
| F 10 | 6 10 52 | 4°28'43 | 15°27 | 11°18 | 2°17 | 3° 7 | 5°35 | 11°34 | 18°42 | 19°27 | 26°27 | 26°21 | 25°18 | 24°31 | n.a. | F 10 |
| S 11 | 6 14 49 | 5°29'00 | 0♐ 8 | 11°32 | 3°32 | 3°54 | 5°45 | 11°41 | 18°46 | 19°29 | 26°28 | 26°18 | 25°15 | 24°38 | n.a. | S 11 |
| S 12 | 6 18 45 | 6°29'16 | 15°11 | 11°53 | 4°47 | 4°41 | 5°56 | 11°48 | 18°49 | 19°32 | 26°29 | 26°11 | 25°12 | 24°45 | n.a. | S 12 |
| M13 | 6 22 42 | 7°29'30 | 0♏27 | 12°18 | 6° 2 | 5°28 | 6° 6 | 11°55 | 18°52 | 19°34 | 26°30 | 26° 2 | 25° 9 | 24°52 | n.a. | M13 |
| T 14 | 6 26 38 | 8°29'41 | 15°45 | 12°49 | 7°16 | 6°15 | 6°16 | 12° 2 | 18°56 | 19°36 | 26°31 | 25°51 | 25° 5 | 24°58 | n.a. | T 14 |
| W15 | 6 30 35 | 9°29'51 | 0♒55 | 13°24 | 8°31 | 7° 2 | 6°27 | 12° 8 | 18°59 | 19°38 | 26°32 | 25°40 | 25° 2 | 25° 5 | n.a. | W15 |
| T 16 | 6 34 32 | 10°29'58 | 15°45 | 14° 3 | 9°46 | 7°49 | 6°38 | 12°15 | 19° 2 | 19°40 | 26°33 | 25°31 | 24°59 | 25°12 | n.a. | T 16 |
| F 17 | 6 38 28 | 11°30'04 | 0♓ 8 | 14°47 | 11° 1 | 8°36 | 6°49 | 12°22 | 19° 6 | 19°43 | 26°34 | 25°23 | 24°56 | 25°18 | n.a. | F 17 |
| S 18 | 6 42 25 | 12°30'06 | 14° 1 | 15°34 | 12°15 | 9°23 | 6°59 | 12°29 | 19° 9 | 19°45 | 26°35 | 25°17 | 24°53 | 25°25 | n.a. | S 18 |
| S 19 | 6 46 21 | 13°30'07 | 27°25 | 16°24 | 13°30 | 10°10 | 7°10 | 12°36 | 19°12 | 19°47 | 26°36 | 25°14 | 24°49 | 25°32 | n.a. | S 19 |
| M20 | 6 50 18 | 14°30'05 | 10♈21 | 17°18 | 14°45 | 10°57 | 7°21 | 12°44 | 19°15 | 19°49 | 26°36 | 25°D14 | 24°46 | 25°38 | n.a. | M20 |
| T 21 | 6 54 14 | 15°30'00 | 22°53 | 18°14 | 15°59 | 11°44 | 7°33 | 12°51 | 19°19 | 19°51 | 26°37 | 25°R14 | 24°43 | 25°45 | n.a. | T 21 |
| W22 | 6 58 11 | 16°29'54 | 5♉ 8 | 19°14 | 17°14 | 12°31 | 7°44 | 12°58 | 19°22 | 19°53 | 26°38 | 25°13 | 24°40 | 25°52 | n.a. | W22 |
| T 23 | 7 2 7 | 17°29'45 | 17°10 | 20°16 | 18°29 | 13°17 | 7°55 | 13° 5 | 19°25 | 19°55 | 26°39 | 25°12 | 24°37 | 25°59 | n.a. | T 23 |
| F 24 | 7 6 4 | 18°29'33 | 29° 4 | 21°20 | 19°43 | 14° 4 | 8° 7 | 13°12 | 19°28 | 19°57 | 26°39 | 25° 8 | 24°34 | 26° 5 | n.a. | F 24 |
| S 25 | 7 10 0 | 19°29'20 | 10♊53 | 22°27 | 20°58 | 14°51 | 8°18 | 13°20 | 19°31 | 19°59 | 26°40 | 25° 1 | 24°30 | 26°12 | n.a. | S 25 |
| S 26 | 7 13 57 | 20°29'03 | 22°43 | 23°36 | 22°12 | 15°38 | 8°30 | 13°27 | 19°34 | 20° 1 | 26°41 | 24°51 | 24°27 | 26°19 | n.a. | S 26 |
| M27 | 7 17 54 | 21°28'45 | 4♋35 | 24°47 | 23°27 | 16°25 | 8°42 | 13°34 | 19°38 | 20° 3 | 26°41 | 24°39 | 24°24 | 26°25 | n.a. | M27 |
| T 28 | 7 21 50 | 22°28'25 | 16°31 | 26° 0 | 24°42 | 17°11 | 8°53 | 13°42 | 19°41 | 20° 5 | 26°42 | 24°25 | 24°21 | 26°32 | n.a. | T 28 |
| W29 | 7 25 47 | 23°28'02 | 28°33 | 27°15 | 25°56 | 17°58 | 9° 5 | 13°49 | 19°44 | 20° 7 | 26°43 | 24°10 | 24°18 | 26°39 | n.a. | W29 |
| T 30 | 7 29 43 | 24°27'37 | 10♌41 | 28°32 | 27°11 | 18°45 | 9°17 | 13°56 | 19°47 | 20° 9 | 26°43 | 23°56 | 24°15 | 26°46 | n.a. | T 30 |
| F 31 | 7 33 40 | 25♏27'10 | 22♌57 | 29♐50 | 28♏25 | 19♏31 | 9♓29 | 14♒ 4 | 19♐50 | 20♐11 | 26♎44 | 23♎44 | 24♎11 | 26♊52 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| W 1 | 23 s50 | 17n29 | 5 s 1 | 19 s14 | 3n46 | 24 s24 | 0 s47 | 24 s53 | 1 s 1 | 11 s29 | 1 s24 | 19 s52 | 2 s 1 | 23 s41 | 0 s18 | 23 s 7 | 0n21 | 1 s32 | 9n27 | 10 s36 | 10 s 9 | 19n24 | | | n.a. |
| T 2 | 23 52 | 15 17 | 5 3 | 19 12 | 3 42 | 24 30 | 0 49 | 24 54 | 1 2 | 11 25 | 1 24 | 19 50 | 2 1 | 23 41 | 0 18 | 23 7 | 0 21 | 1 33 | 9 27 | 10 31 | 10 8 | 19 24 | | | n.a. |
| F 3 | 23 53 | 12 25 | 4 51 | 19 12 | 3 37 | 24 36 | 0 51 | 24 55 | 1 2 | 11 22 | 1 24 | 19 48 | 2 1 | 23 42 | 0 18 | 23 7 | 0 21 | 1 33 | 9 27 | 10 28 | 10 7 | 19 24 | | | n.a. |
| S 4 | 23 54 | 8 59 | 4 25 | 19 14 | 3 30 | 24 42 | 0 53 | 24 56 | 1 2 | 11 18 | 1 23 | 19 46 | 2 1 | 23 42 | 0 18 | 23 7 | 0 21 | 1 33 | 9 27 | 10 25 | 10 6 | 19 24 | | | n.a. |
| S 5 | 23 55 | 5 7 | 3 47 | 19 19 | 3 22 | 24 46 | 0 55 | 24 57 | 1 2 | 11 14 | 1 23 | 19 44 | 2 1 | 23 42 | 0 18 | 23 8 | 0 21 | 1 34 | 9 28 | 10 23 | 10 5 | 19 24 | | | n.a. |
| M 6 | 23 55 | 0 56 | 2 57 | 19 25 | 3 13 | 24 50 | 0 56 | 24 58 | 1 3 | 11 10 | 1 23 | 19 43 | 2 1 | 23 43 | 0 18 | 23 8 | 0 21 | 1 34 | 9 28 | 10 23 | 10 3 | 19 24 | | | n.a. |
| T 7 | 23 54 | 3 s23 | 1 56 | 19 33 | 3 3 | 24 53 | 0 58 | 24 58 | 1 3 | 11 7 | 1 23 | 19 41 | 2 1 | 23 43 | 0 18 | 23 8 | 0 21 | 1 34 | 9 28 | 10 22 | 10 2 | 19 23 | | | n.a. |
| W 8 | 23 54 | 7 41 | 0 48 | 19 43 | 2 52 | 24 55 | 1 0 | 24 57 | 1 3 | 11 3 | 1 22 | 19 39 | 2 1 | 23 43 | 0 18 | 23 8 | 0 21 | 1 34 | 9 28 | 10 23 | 10 1 | 19 23 | | | n.a. |
| T 9 | 23 52 | 11 43 | 0n26 | 19 54 | 2 42 | 24 56 | 1 2 | 24 57 | 1 3 | 10 59 | 1 22 | 19 37 | 2 0 | 23 44 | 0 18 | 23 8 | 0 21 | 1 35 | 9 28 | 10 23 | 10 0 | 19 23 | | | n.a. |
| F 10 | 23 50 | 15 12 | 1 40 | 20 6 | 2 30 | 24 57 | 1 3 | 24 56 | 1 3 | 10 55 | 1 22 | 19 35 | 2 0 | 23 44 | 0 18 | 23 8 | 0 21 | 1 35 | 9 29 | 10 22 | 9 59 | 19 23 | | | n.a. |
| S 11 | 23 48 | 17 50 | 2 49 | 20 19 | 2 19 | 24 57 | 1 5 | 24 55 | 1 4 | 10 51 | 1 22 | 19 33 | 2 0 | 23 44 | 0 18 | 23 9 | 0 21 | 1 35 | 9 29 | 10 21 | 9 57 | 19 23 | | | n.a. |
| S 12 | 23 45 | 19 17 | 3 49 | 20 34 | 2 7 | 24 56 | 1 6 | 24 54 | 1 4 | 10 47 | 1 21 | 19 31 | 2 0 | 23 45 | 0 18 | 23 9 | 0 21 | 1 35 | 9 29 | 10 18 | 9 56 | 19 22 | | | n.a. |
| M13 | 23 42 | 19 22 | 4 33 | 20 49 | 1 56 | 24 54 | 1 8 | 24 52 | 1 4 | 10 42 | 1 21 | 19 29 | 2 0 | 23 45 | 0 18 | 23 9 | 0 21 | 1 35 | 9 29 | 10 15 | 9 55 | 19 22 | | | n.a. |
| T 14 | 23 38 | 18 3 | 4 57 | 21 4 | 1 44 | 24 52 | 1 9 | 24 50 | 1 4 | 10 38 | 1 21 | 19 27 | 2 0 | 23 45 | 0 18 | 23 9 | 0 21 | 1 36 | 9 29 | 10 11 | 9 54 | 19 22 | | | n.a. |
| W15 | 23 34 | 15 28 | 5 0 | 21 20 | 1 32 | 24 48 | 1 10 | 24 48 | 1 4 | 10 34 | 1 21 | 19 25 | 2 0 | 23 45 | 0 19 | 23 9 | 0 21 | 1 36 | 9 30 | 10 7 | 9 53 | 19 22 | | | n.a. |
| T 16 | 23 29 | 11 56 | 4 43 | 21 36 | 1 21 | 24 44 | 1 12 | 24 45 | 1 5 | 10 30 | 1 20 | 19 23 | 2 0 | 23 46 | 0 19 | 23 10 | 0 21 | 1 36 | 9 30 | 10 3 | 9 52 | 19 22 | | | n.a. |
| F 17 | 23 24 | 7 47 | 4 9 | 21 53 | 1 10 | 24 39 | 1 13 | 24 42 | 1 5 | 10 26 | 1 20 | 19 21 | 2 0 | 23 46 | 0 19 | 23 10 | 0 21 | 1 36 | 9 30 | 10 0 | 9 50 | 19 22 | | | n.a. |
| S 18 | 23 19 | 3 20 | 3 20 | 22 9 | 0 58 | 24 34 | 1 14 | 24 39 | 1 5 | 10 21 | 1 20 | 19 18 | 2 0 | 23 46 | 0 19 | 23 10 | 0 21 | 1 36 | 9 30 | 9 58 | 9 49 | 19 21 | | | n.a. |
| S 19 | 23 13 | 1n 7 | 2 22 | 22 25 | 0 47 | 24 28 | 1 15 | 24 36 | 1 5 | 10 17 | 1 20 | 19 16 | 2 0 | 23 47 | 0 19 | 23 10 | 0 21 | 1 36 | 9 30 | 9 57 | 9 48 | 19 21 | | | n.a. |
| M20 | 23 7 | 5 22 | 1 18 | 22 41 | 0 37 | 24 21 | 1 16 | 24 32 | 1 5 | 10 12 | 1 20 | 19 14 | 2 0 | 23 47 | 0 19 | 23 10 | 0 21 | 1 36 | 9 31 | 9 57 | 9 47 | 19 21 | | | n.a. |
| T 21 | 23 0 | 9 16 | 0 12 | 22 57 | 0 26 | 24 13 | 1 17 | 24 28 | 1 5 | 10 8 | 1 19 | 19 12 | 2 0 | 23 47 | 0 19 | 23 10 | 0 21 | 1 37 | 9 31 | 9 57 | 9 46 | 19 21 | | | n.a. |
| W22 | 22 52 | 12 40 | 0 s52 | 23 12 | 0 16 | 24 4 | 1 18 | 24 24 | 1 5 | 10 3 | 1 19 | 19 10 | 2 0 | 23 47 | 0 19 | 23 11 | 0 21 | 1 37 | 9 31 | 9 57 | 9 44 | 19 20 | | | n.a. |
| T 23 | 22 45 | 15 29 | 1 53 | 23 27 | 0 6 | 23 55 | 1 19 | 24 20 | 1 6 | 9 59 | 1 19 | 19 8 | 2 0 | 23 48 | 0 19 | 23 11 | 0 21 | 1 37 | 9 31 | 9 56 | 9 43 | 19 20 | | | n.a. |
| F 24 | 22 37 | 17 36 | 2 49 | 23 41 | 0 s 4 | 23 45 | 1 20 | 24 15 | 1 6 | 9 54 | 1 19 | 19 6 | 2 0 | 23 48 | 0 19 | 23 11 | 0 21 | 1 37 | 9 31 | 9 55 | 9 42 | 19 20 | | | n.a. |
| S 25 | 22 28 | 18 57 | 3 36 | 23 55 | 0 13 | 23 34 | 1 21 | 24 10 | 1 6 | 9 50 | 1 19 | 19 3 | 2 0 | 23 48 | 0 19 | 23 11 | 0 21 | 1 37 | 9 32 | 9 52 | 9 41 | 19 20 | | | n.a. |
| S 26 | 22 19 | 19 29 | 4 15 | 24 8 | 0 22 | 23 23 | 1 21 | 24 4 | 1 6 | 9 45 | 1 18 | 19 1 | 2 0 | 23 48 | 0 19 | 23 11 | 0 21 | 1 37 | 9 32 | 9 49 | 9 40 | 19 20 | | | n.a. |
| M27 | 22 10 | 19 9 | 4 42 | 24 20 | 0 31 | 23 11 | 1 22 | 23 59 | 1 6 | 9 40 | 1 18 | 18 59 | 2 0 | 23 49 | 0 19 | 23 11 | 0 21 | 1 37 | 9 32 | 9 44 | 9 38 | 19 19 | | | n.a. |
| T 28 | 22 0 | 17 58 | 4 57 | 24 31 | 0 39 | 22 58 | 1 23 | 23 53 | 1 6 | 9 36 | 1 18 | 18 57 | 1 59 | 23 49 | 0 19 | 23 12 | 0 21 | 1 37 | 9 32 | 9 39 | 9 37 | 19 19 | | | n.a. |
| W29 | 21 50 | 15 59 | 4 59 | 24 41 | 0 47 | 22 44 | 1 23 | 23 47 | 1 6 | 9 31 | 1 18 | 18 55 | 1 59 | 23 49 | 0 19 | 23 12 | 0 21 | 1 37 | 9 33 | 9 33 | 9 36 | 19 19 | | | n.a. |
| T 30 | 21 39 | 13 18 | 4 47 | 24 50 | 0 55 | 22 30 | 1 24 | 23 40 | 1 6 | 9 26 | 1 18 | 18 52 | 1 59 | 23 50 | 0 19 | 23 12 | 0 21 | 1 37 | 9 33 | 9 28 | 9 35 | 19 19 | | | n.a. |
| F 31 | 21 s28 | 10n 1 | 4 s22 | 24 s58 | 1 s 3 | 22 s15 | 1 s24 | 23 s33 | 1 s 6 | 9 s21 | 1 s17 | 18 s50 | 1 s59 | 23 s50 | 0 s19 | 23 s12 | 0n21 | 1 s37 | 9n33 | 9 s23 | 9 s34 | 19n18 | | | n.a. |

Julian Day Number = 1008820.5, Delta T = 12h42m26s
Ecliptic obliquity = 23°55'00, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'25, Lahiri = -30°51'23 Julian Calendar 1 Jan. 1951 BCE == Greg. Calendar 15 Dec. 1952 BCE

The year -1950 astronomical counting style corresponds to year 1951 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## FEBRUARY 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 37 36 | 26♉26'40 | 5♍22 | 1♉10 | 29♉40 | 20♉18 | 9♓41 | 14♒11 | 19♐53 | 20♐13 | 26♎44 | 23°R34 | 24♎ 8 | 26♊59 | n.a. | S 1 |
| S 2 | 7 41 33 | 27°26'09 | 17°57 | 2°32 | 0♒54 | 21° 4 | 9°54 | 14°19 | 19°56 | 20°15 | 26°44 | 23♎28 | 24° 5 | 27° 6 | n.a. | S 2 |
| M 3 | 7 45 29 | 28°25'36 | 0♎44 | 3°55 | 2° 9 | 21°51 | 10° 6 | 14°26 | 19°59 | 20°17 | 26°45 | 23°24 | 24° 2 | 27°12 | n.a. | M 3 |
| T 4 | 7 49 26 | 29°25'00 | 13°46 | 5°20 | 3°23 | 22°37 | 10°18 | 14°34 | 20° 1 | 20°19 | 26°45 | 23°22 | 23°59 | 27°19 | n.a. | T 4 |
| W 5 | 7 53 22 | 0♒24'23 | 27° 6 | 6°46 | 4°37 | 23°24 | 10°30 | 14°41 | 20° 4 | 20°21 | 26°45 | 23°22 | 23°55 | 27°26 | n.a. | W 5 |
| T 6 | 7 57 19 | 1°23'44 | 10♏47 | 8°14 | 5°52 | 24°10 | 10°43 | 14°49 | 20° 7 | 20°23 | 26°46 | 23°22 | 23°52 | 27°33 | n.a. | T 6 |
| F 7 | 8 1 16 | 2°23'03 | 24°50 | 9°44 | 7° 6 | 24°56 | 10°55 | 14°56 | 20°10 | 20°24 | 26°46 | 23°21 | 23°49 | 27°39 | n.a. | F 7 |
| S 8 | 8 5 12 | 3°22'20 | 9♐15 | 11°14 | 8°21 | 25°43 | 11° 8 | 15° 4 | 20°13 | 20°26 | 26°46 | 23°17 | 23°46 | 27°46 | n.a. | S 8 |
| S 9 | 8 9 9 | 4°21'36 | 23°59 | 12°46 | 9°35 | 26°29 | 11°21 | 15°12 | 20°15 | 20°28 | 26°46 | 23°11 | 23°43 | 27°53 | n.a. | S 9 |
| M10 | 8 13 5 | 5°20'49 | 8♑58 | 14°20 | 10°49 | 27°15 | 11°33 | 15°19 | 20°18 | 20°30 | 26°46 | 23° 2 | 23°40 | 27°59 | n.a. | M10 |
| T 11 | 8 17 2 | 6°20'00 | 24° 2 | 15°55 | 12° 4 | 28° 2 | 11°46 | 15°27 | 20°21 | 20°31 | 26°47 | 22°51 | 23°36 | 28° 6 | n.a. | T 11 |
| W12 | 8 20 58 | 7°19'09 | 9♒ 2 | 17°31 | 13°18 | 28°48 | 11°59 | 15°35 | 20°23 | 20°33 | 26°47 | 22°40 | 23°33 | 28°13 | n.a. | W12 |
| T 13 | 8 24 55 | 8°18'16 | 23°48 | 19° 9 | 14°32 | 29°34 | 12°12 | 15°42 | 20°26 | 20°35 | 26°47 | 22°30 | 23°30 | 28°20 | n.a. | T 13 |
| F 14 | 8 28 51 | 9°17'20 | 8♓12 | 20°48 | 15°47 | 0♒20 | 12°25 | 15°50 | 20°29 | 20°37 | 26°R47 | 22°21 | 23°27 | 28°26 | n.a. | F 14 |
| S 15 | 8 32 48 | 10°16'22 | 22° 9 | 22°28 | 17° 1 | 1° 6 | 12°38 | 15°58 | 20°31 | 20°38 | 26°47 | 22°16 | 23°24 | 28°33 | n.a. | S 15 |
| S 16 | 8 36 44 | 11°15'22 | 5♈38 | 24°10 | 18°15 | 1°52 | 12°51 | 16° 5 | 20°34 | 20°40 | 26°47 | 22°12 | 23°20 | 28°40 | n.a. | S 16 |
| M17 | 8 40 41 | 12°14'19 | 18°40 | 25°53 | 19°29 | 2°38 | 13° 4 | 16°13 | 20°36 | 20°41 | 26°46 | 22°D11 | 23°17 | 28°46 | n.a. | M17 |
| T 18 | 8 44 38 | 13°13'14 | 1♉17 | 27°38 | 20°43 | 3°24 | 13°17 | 16°21 | 20°39 | 20°43 | 26°46 | 22°11 | 23°14 | 28°53 | n.a. | T 18 |
| W19 | 8 48 34 | 14°12'06 | 13°35 | 29°24 | 21°58 | 4°10 | 13°30 | 16°28 | 20°41 | 20°45 | 26°46 | 22°R12 | 23°11 | 29° 0 | n.a. | W19 |
| T 20 | 8 52 31 | 15°10'56 | 25°39 | 1♒12 | 23°12 | 4°56 | 13°44 | 16°36 | 20°43 | 20°46 | 26°46 | 22°11 | 23° 8 | 29° 6 | n.a. | T 20 |
| F 21 | 8 56 27 | 16° 9'43 | 7♊33 | 3° 1 | 24°26 | 5°42 | 13°57 | 16°44 | 20°46 | 20°48 | 26°46 | 22° 9 | 23° 5 | 29°13 | n.a. | F 21 |
| S 22 | 9 0 24 | 17° 8'29 | 19°24 | 4°51 | 25°40 | 6°27 | 14°10 | 16°52 | 20°48 | 20°49 | 26°46 | 22° 4 | 23° 1 | 29°20 | n.a. | S 22 |
| S 23 | 9 4 20 | 18° 7'11 | 1♋15 | 6°43 | 26°54 | 7°13 | 14°24 | 16°59 | 20°50 | 20°50 | 26°45 | 21°57 | 22°58 | 29°27 | n.a. | S 23 |
| M24 | 9 8 17 | 19° 5'52 | 13° 9 | 8°37 | 28° 8 | 7°59 | 14°37 | 17° 7 | 20°53 | 20°52 | 26°45 | 21°48 | 22°55 | 29°33 | n.a. | M24 |
| T 25 | 9 12 13 | 20° 4'30 | 25°10 | 10°32 | 29°22 | 8°44 | 14°51 | 17°15 | 20°55 | 20°53 | 26°45 | 21°37 | 22°52 | 29°40 | n.a. | T 25 |
| W26 | 9 16 10 | 21° 3'06 | 7♌20 | 12°28 | 0♓36 | 9°30 | 15° 4 | 17°22 | 20°57 | 20°55 | 26°44 | 21°25 | 22°49 | 29°47 | n.a. | W26 |
| T 27 | 9 20 6 | 22° 1'39 | 19°40 | 14°26 | 1°50 | 10°16 | 15°18 | 17°30 | 20°59 | 20°56 | 26°44 | 21°14 | 22°46 | 29°53 | n.a. | T 27 |
| F 28 | 9 24 3 | 23♒ 0'11 | 2♍10 | 16♒25 | 3♓ 4 | 11♒ 1 | 15♓31 | 17♒38 | 21♐ 1 | 20♐57 | 26♎43 | 21♎ 5 | 22♎42 | 0♋ 0 | n.a. | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 21s17 | 6n15 | 3s44 | 25s 4 | 1s10 | 22s 0 | 1s24 | 23s27 | 1s 6 | 9s17 | 1s17 | 18s48 | 1s59 | 23s50 | 0s19 | 23s12 | 0n21 | 1s37 | 9n33 | 9s20 | 9s33 | 19n18 | | n.a. |
| S 2 | 21 5 | 2 10 | 2 55 | 25 10 | 1 16 | 21 44 | 1 25 | 23 19 | 1 6 | 9 12 | 1 17 | 18 46 | 1 59 | 23 50 | 0 19 | 23 12 | 0 21 | 1 37 | 9 33 | 9 17 | 9 31 | 19 18 | | n.a. |
| M 3 | 20 53 | 2s 4 | 1 57 | 25 14 | 1 23 | 21 27 | 1 25 | 23 12 | 1 6 | 9 7 | 1 17 | 18 44 | 1 59 | 23 51 | 0 19 | 23 13 | 0 21 | 1 37 | 9 34 | 9 16 | 9 30 | 19 18 | | n.a. |
| T 4 | 20 41 | 6 19 | 0 51 | 25 17 | 1 29 | 21 10 | 1 25 | 23 4 | 1 7 | 9 2 | 1 17 | 18 41 | 1 59 | 23 51 | 0 19 | 23 13 | 0 21 | 1 36 | 9 34 | 9 15 | 9 29 | 19 17 | | n.a. |
| W 5 | 20 28 | 10 20 | 0n20 | 25 19 | 1 34 | 20 52 | 1 25 | 22 56 | 1 7 | 8 57 | 1 16 | 18 39 | 1 59 | 23 51 | 0 19 | 23 13 | 0 21 | 1 36 | 9 34 | 9 15 | 9 28 | 19 17 | | n.a. |
| T 6 | 20 15 | 13 55 | 1 31 | 25 19 | 1 39 | 20 33 | 1 25 | 22 48 | 1 7 | 8 52 | 1 16 | 18 37 | 1 59 | 23 51 | 0 19 | 23 13 | 0 21 | 1 36 | 9 34 | 9 15 | 9 27 | 19 17 | | n.a. |
| F 7 | 20 1 | 16 48 | 2 38 | 25 17 | 1 44 | 20 14 | 1 25 | 22 40 | 1 7 | 8 47 | 1 16 | 18 34 | 1 59 | 23 51 | 0 19 | 23 13 | 0 21 | 1 36 | 9 35 | 9 15 | 9 25 | 19 17 | | n.a. |
| S 8 | 19 47 | 18 42 | 3 37 | 25 14 | 1 49 | 19 54 | 1 25 | 22 31 | 1 7 | 8 42 | 1 16 | 18 32 | 1 59 | 23 52 | 0 19 | 23 13 | 0 21 | 1 36 | 9 35 | 9 13 | 9 24 | 19 16 | | n.a. |
| S 9 | 19 33 | 19 24 | 4 23 | 25 10 | 1 53 | 19 34 | 1 25 | 22 22 | 1 7 | 8 37 | 1 16 | 18 30 | 1 59 | 23 52 | 0 19 | 23 13 | 0 21 | 1 36 | 9 35 | 9 11 | 9 23 | 19 16 | | n.a. |
| M10 | 19 19 | 18 45 | 4 52 | 25 3 | 1 56 | 19 13 | 1 25 | 22 13 | 1 7 | 8 32 | 1 16 | 18 27 | 1 59 | 23 52 | 0 19 | 23 14 | 0 21 | 1 36 | 9 35 | 9 8 | 9 22 | 19 16 | | n.a. |
| T 11 | 19 4 | 16 48 | 5 1 | 24 55 | 2 0 | 18 52 | 1 24 | 22 3 | 1 7 | 8 27 | 1 15 | 18 25 | 1 59 | 23 52 | 0 19 | 23 14 | 0 21 | 1 36 | 9 35 | 9 4 | 9 21 | 19 15 | | n.a. |
| W12 | 18 48 | 13 43 | 4 49 | 24 46 | 2 2 | 18 30 | 1 24 | 21 54 | 1 7 | 8 22 | 1 15 | 18 23 | 1 59 | 23 53 | 0 19 | 23 14 | 0 21 | 1 35 | 9 36 | 8 59 | 9 19 | 19 15 | | n.a. |
| T 13 | 18 33 | 9 48 | 4 18 | 24 34 | 2 5 | 18 8 | 1 24 | 21 44 | 1 7 | 8 16 | 1 15 | 18 21 | 1 59 | 23 53 | 0 19 | 23 14 | 0 21 | 1 35 | 9 36 | 8 55 | 9 18 | 19 15 | | n.a. |
| F 14 | 18 17 | 5 24 | 3 31 | 24 21 | 2 6 | 17 45 | 1 23 | 21 34 | 1 7 | 8 11 | 1 15 | 18 18 | 1 59 | 23 53 | 0 19 | 23 14 | 0 21 | 1 35 | 9 36 | 8 52 | 9 17 | 19 15 | | n.a. |
| S 15 | 18 1 | 0 51 | 2 32 | 24 6 | 2 8 | 17 21 | 1 23 | 21 24 | 1 7 | 8 6 | 1 15 | 18 16 | 1 59 | 23 53 | 0 19 | 23 14 | 0 21 | 1 35 | 9 36 | 8 50 | 9 16 | 19 14 | | n.a. |
| S 16 | 17 45 | 3n36 | 1 27 | 23 49 | 2 9 | 16 57 | 1 22 | 21 13 | 1 6 | 8 1 | 1 15 | 18 14 | 1 59 | 23 53 | 0 19 | 23 14 | 0 21 | 1 34 | 9 37 | 8 49 | 9 15 | 19 14 | | n.a. |
| M17 | 17 28 | 7 45 | 0 19 | 23 30 | 2 9 | 16 33 | 1 21 | 21 2 | 1 6 | 7 55 | 1 15 | 18 11 | 2 0 | 23 54 | 0 19 | 23 14 | 0 21 | 1 34 | 9 37 | 8 48 | 9 13 | 19 14 | | n.a. |
| T 18 | 17 11 | 11 24 | 0s48 | 23 9 | 2 9 | 16 8 | 1 21 | 20 51 | 1 6 | 7 50 | 1 14 | 18 9 | 2 0 | 23 54 | 0 19 | 23 14 | 0 21 | 1 34 | 9 37 | 8 48 | 9 12 | 19 13 | | n.a. |
| W19 | 16 54 | 14 28 | 1 51 | 22 47 | 2 9 | 15 43 | 1 20 | 20 40 | 1 6 | 7 45 | 1 14 | 18 6 | 2 0 | 23 54 | 0 19 | 23 15 | 0 21 | 1 34 | 9 37 | 8 49 | 9 11 | 19 13 | | n.a. |
| T 20 | 16 36 | 16 50 | 2 48 | 22 22 | 2 8 | 15 18 | 1 19 | 20 29 | 1 6 | 7 40 | 1 14 | 18 4 | 2 0 | 23 54 | 0 19 | 23 15 | 0 21 | 1 33 | 9 37 | 8 48 | 9 10 | 19 13 | | n.a. |
| F 21 | 16 18 | 18 26 | 3 37 | 21 55 | 2 6 | 14 52 | 1 18 | 20 17 | 1 6 | 7 34 | 1 14 | 18 2 | 2 0 | 23 54 | 0 19 | 23 15 | 0 21 | 1 33 | 9 38 | 8 47 | 9 9 | 19 12 | | n.a. |
| S 22 | 16 0 | 19 14 | 4 16 | 21 26 | 2 4 | 14 25 | 1 17 | 20 6 | 1 6 | 7 29 | 1 14 | 17 59 | 2 0 | 23 55 | 0 19 | 23 15 | 0 21 | 1 33 | 9 38 | 8 46 | 9 7 | 19 12 | | n.a. |
| S 23 | 15 42 | 19 11 | 4 44 | 20 55 | 2 1 | 13 59 | 1 16 | 19 54 | 1 6 | 7 23 | 1 14 | 17 57 | 2 0 | 23 55 | 0 19 | 23 15 | 0 21 | 1 33 | 9 38 | 8 43 | 9 6 | 19 12 | | n.a. |
| M24 | 15 24 | 18 17 | 5 0 | 20 22 | 1 58 | 13 32 | 1 15 | 19 42 | 1 6 | 7 18 | 1 14 | 17 55 | 2 0 | 23 55 | 0 19 | 23 15 | 0 21 | 1 32 | 9 38 | 8 39 | 9 5 | 19 11 | | n.a. |
| T 25 | 15 5 | 16 34 | 5 3 | 19 47 | 1 54 | 13 4 | 1 14 | 19 29 | 1 6 | 7 13 | 1 14 | 17 52 | 2 0 | 23 55 | 0 19 | 23 15 | 0 21 | 1 32 | 9 38 | 8 35 | 9 4 | 19 11 | | n.a. |
| W26 | 14 46 | 14 6 | 4 52 | 19 9 | 1 50 | 12 36 | 1 13 | 19 17 | 1 6 | 7 7 | 1 13 | 17 50 | 2 0 | 23 55 | 0 19 | 23 15 | 0 21 | 1 32 | 9 39 | 8 31 | 9 3 | 19 11 | | n.a. |
| T 27 | 14 27 | 10 59 | 4 27 | 18 30 | 1 45 | 12 8 | 1 11 | 19 4 | 1 6 | 7 2 | 1 13 | 17 48 | 2 0 | 23 55 | 0 19 | 23 15 | 0 21 | 1 31 | 9 39 | 8 27 | 9 1 | 19 10 | | n.a. |
| F 28 | 14s 7 | 7n21 | 3s50 | 17s49 | 1s40 | 11s40 | 1s10 | 18s52 | 1s 5 | 6s56 | 1s13 | 17s45 | 2s 0 | 23s56 | 0s19 | 23s16 | 0n21 | 1s31 | 9n39 | 8s23 | 9s 0 | 19n10 | | n.a. |

Julian Day Number = 1008851.5, Delta T = 12h42m24s
Ecliptic obliquity = 23°55'00, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'21, Lahiri = -30°51'19 Julian Calendar 1 Feb. 1951 BCE == Greg. Calendar 15 Jan. 1951 BCE


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## MARCH 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 28 0 | 23♒58'40 | 14♍51 | 18♒26 | 4♓18 | 11♒46 | 15♓45 | 17♒46 | 21♐ 3 | 20♐59 | 26°R43 | 20°R57 | 22♎39 | 0♋ 7 | n.a. | S 1 |
| S 2 | 9 31 56 | 24°57'08 | 27°43 | 20°27 | 5°32 | 12°32 | 15°59 | 17°53 | 21° 5 | 21° 0 | 26♎42 | 20♎52 | 22°36 | 0°14 | n.a. | S 2 |
| M 3 | 9 35 53 | 25°55'33 | 10♎47 | 22°30 | 6°46 | 13°17 | 16°12 | 18° 1 | 21° 7 | 21° 1 | 26°42 | 20°50 | 22°33 | 0°20 | n.a. | M 3 |
| T 4 | 9 39 49 | 26°53'57 | 24° 3 | 24°35 | 8° 0 | 14° 3 | 16°26 | 18° 9 | 21° 9 | 21° 2 | 26°41 | 20°D49 | 22°30 | 0°27 | n.a. | T 4 |
| W 5 | 9 43 46 | 27°52'19 | 7♏32 | 26°40 | 9°14 | 14°48 | 16°40 | 18°16 | 21°11 | 21° 3 | 26°41 | 20°50 | 22°26 | 0°34 | n.a. | W 5 |
| T 6 | 9 47 42 | 28°50'40 | 21°15 | 28°46 | 10°28 | 15°33 | 16°54 | 18°24 | 21°13 | 21° 4 | 26°40 | 20°51 | 22°23 | 0°40 | n.a. | T 6 |
| F 7 | 9 51 39 | 29°48'58 | 5♐14 | 0♓53 | 11°42 | 16°18 | 17° 7 | 18°32 | 21°14 | 21° 6 | 26°39 | 20°R51 | 22°20 | 0°47 | n.a. | F 7 |
| S 8 | 9 55 35 | 0♓47'15 | 19°27 | 3° 0 | 12°55 | 17° 3 | 17°21 | 18°39 | 21°16 | 21° 7 | 26°39 | 20°50 | 22°17 | 0°54 | n.a. | S 8 |
| S 9 | 9 59 32 | 1°45'31 | 3♑53 | 5° 8 | 14° 9 | 17°48 | 17°35 | 18°47 | 21°18 | 21° 8 | 26°38 | 20°46 | 22°14 | 1° 1 | n.a. | S 9 |
| M10 | 10 3 28 | 2°43'45 | 18°28 | 7°16 | 15°23 | 18°33 | 17°49 | 18°54 | 21°19 | 21° 9 | 26°37 | 20°41 | 22°11 | 1° 7 | n.a. | M10 |
| T 11 | 10 7 25 | 3°41'57 | 3♒ 8 | 9°24 | 16°37 | 19°18 | 18° 3 | 19° 2 | 21°21 | 21°10 | 26°37 | 20°34 | 22° 7 | 1°14 | n.a. | T 11 |
| W12 | 10 11 22 | 4°40'07 | 17°44 | 11°31 | 17°51 | 20° 3 | 18°17 | 19° 9 | 21°22 | 21°11 | 26°36 | 20°27 | 22° 4 | 1°21 | n.a. | W12 |
| T 13 | 10 15 18 | 5°38'15 | 2♓10 | 13°37 | 19° 4 | 20°48 | 18°31 | 19°17 | 21°24 | 21°12 | 26°35 | 20°20 | 22° 1 | 1°27 | n.a. | T 13 |
| F 14 | 10 19 15 | 6°36'22 | 16°20 | 15°43 | 20°18 | 21°33 | 18°45 | 19°24 | 21°25 | 21°12 | 26°34 | 20°15 | 21°58 | 1°34 | n.a. | F 14 |
| S 15 | 10 23 11 | 7°34'26 | 0♈ 8 | 17°46 | 21°32 | 22°18 | 18°59 | 19°32 | 21°27 | 21°13 | 26°33 | 20°11 | 21°55 | 1°41 | n.a. | S 15 |
| S 16 | 10 27 8 | 8°32'29 | 13°33 | 19°49 | 22°45 | 23° 3 | 19°13 | 19°39 | 21°28 | 21°14 | 26°32 | 20° 9 | 21°52 | 1°48 | n.a. | S 16 |
| M17 | 10 31 4 | 9°30'30 | 26°35 | 21°49 | 23°59 | 23°47 | 19°27 | 19°47 | 21°30 | 21°15 | 26°31 | 20°D 9 | 21°48 | 1°54 | n.a. | M17 |
| T 18 | 10 35 1 | 10°28'28 | 9♉14 | 23°47 | 25°13 | 24°32 | 19°41 | 19°54 | 21°31 | 21°16 | 26°30 | 20°10 | 21°45 | 2° 1 | n.a. | T 18 |
| W19 | 10 38 57 | 11°26'25 | 21°35 | 25°42 | 26°26 | 25°17 | 19°55 | 20° 2 | 21°32 | 21°16 | 26°29 | 20°12 | 21°42 | 2° 8 | n.a. | W19 |
| T 20 | 10 42 54 | 12°24'20 | 3♊42 | 27°35 | 27°40 | 26° 1 | 20° 9 | 20° 9 | 21°33 | 21°17 | 26°28 | 20°13 | 21°39 | 2°14 | n.a. | T 20 |
| F 21 | 10 46 50 | 13°22'13 | 15°39 | 29°24 | 28°54 | 26°45 | 20°23 | 20°16 | 21°34 | 21°18 | 26°27 | 20°R13 | 21°36 | 2°21 | n.a. | F 21 |
| S 22 | 10 50 47 | 14°20'03 | 27°31 | 1♈11 | 0♈ 7 | 27°30 | 20°37 | 20°24 | 21°35 | 21°19 | 26°26 | 20°12 | 21°32 | 2°28 | n.a. | S 22 |
| S 23 | 10 54 44 | 15°17'52 | 9♋24 | 2°54 | 1°21 | 28°14 | 20°51 | 20°31 | 21°36 | 21°19 | 26°25 | 20°10 | 21°29 | 2°35 | n.a. | S 23 |
| M24 | 10 58 40 | 16°15'39 | 21°22 | 4°34 | 2°34 | 28°59 | 21° 5 | 20°38 | 21°37 | 21°20 | 26°24 | 20° 6 | 21°26 | 2°41 | n.a. | M24 |
| T 25 | 11 2 37 | 17°13'25 | 3♌27 | 6°10 | 3°47 | 29°43 | 21°19 | 20°45 | 21°38 | 21°20 | 26°23 | 20° 1 | 21°23 | 2°48 | n.a. | T 25 |
| W26 | 11 6 33 | 18°11'08 | 15°44 | 7°43 | 5° 1 | 0♓27 | 21°33 | 20°53 | 21°39 | 21°21 | 26°22 | 19°56 | 21°20 | 2°55 | n.a. | W26 |
| T 27 | 11 10 30 | 19° 8'50 | 28°14 | 9°12 | 6°14 | 1°11 | 21°47 | 21° 0 | 21°40 | 21°21 | 26°21 | 19°50 | 21°17 | 3° 1 | n.a. | T 27 |
| F 28 | 11 14 26 | 20° 6'30 | 10♍59 | 10°37 | 7°28 | 1°55 | 22° 1 | 21° 7 | 21°41 | 21°22 | 26°20 | 19°46 | 21°13 | 3° 8 | n.a. | F 28 |
| S 29 | 11 18 23 | 21° 4'08 | 23°58 | 11°59 | 8°41 | 2°39 | 22°15 | 21°14 | 21°42 | 21°22 | 26°18 | 19°43 | 21°10 | 3°15 | n.a. | S 29 |
| S 30 | 11 22 19 | 22° 1'45 | 7♎12 | 13°16 | 9°54 | 3°23 | 22°30 | 21°21 | 21°42 | 21°23 | 26°17 | 19°41 | 21° 7 | 3°22 | n.a. | S 30 |
| M31 | 11 26 16 | 22♓59'20 | 20♎39 | 14♈29 | 11♈ 8 | 4♓ 7 | 22♓44 | 21♒28 | 21♐43 | 21♐23 | 26♎16 | 19°D40 | 21♎ 4 | 3♋28 | n.a. | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 13s48 | 3n19 | 3s 0 | 17s 5 | 1s34 | 11s11 | 1s 9 | 18s39 | 1s 5 | 6s51 | 1s13 | 17s43 | 2s 0 | 23s56 | 0s19 | 23s16 | 0n21 | 1s31 | 9n39 | 8s20 | 8s59 | 19n10 | | n.a. |
| S 2 | 13 28 | 0s55 | 2 1 | 16 20 | 1 27 | 10 42 | 1 7 | 18 25 | 1 5 | 6 45 | 1 13 | 17 41 | 2 0 | 23 56 | 0 19 | 23 16 | 0 21 | 1 30 | 9 39 | 8 18 | 8 58 | 19 9 | | n.a. |
| M 3 | 13 8 | 5 10 | 0 54 | 15 33 | 1 20 | 10 13 | 1 6 | 18 12 | 1 5 | 6 40 | 1 13 | 17 38 | 2 0 | 23 56 | 0 19 | 23 16 | 0 21 | 1 30 | 9 40 | 8 17 | 8 57 | 19 9 | | n.a. |
| T 4 | 12 47 | 9 14 | 0n17 | 14 43 | 1 12 | 9 44 | 1 4 | 17 59 | 1 5 | 6 34 | 1 13 | 17 36 | 2 0 | 23 56 | 0 19 | 23 16 | 0 21 | 1 30 | 9 40 | 8 17 | 8 55 | 19 9 | | n.a. |
| W 5 | 12 27 | 12 54 | 1 29 | 13 53 | 1 4 | 9 14 | 1 3 | 17 45 | 1 5 | 6 29 | 1 13 | 17 33 | 2 0 | 23 56 | 0 19 | 23 16 | 0 21 | 1 29 | 9 40 | 8 17 | 8 54 | 19 8 | | n.a. |
| T 6 | 12 6 | 15 56 | 2 36 | 13 0 | 0 56 | 8 44 | 1 1 | 17 31 | 1 5 | 6 23 | 1 13 | 17 31 | 2 0 | 23 57 | 0 19 | 23 16 | 0 21 | 1 29 | 9 40 | 8 18 | 8 53 | 19 8 | | n.a. |
| F 7 | 11 46 | 18 4 | 3 36 | 12 6 | 0 46 | 8 14 | 0 59 | 17 17 | 1 4 | 6 17 | 1 12 | 17 29 | 2 1 | 23 57 | 0 19 | 23 16 | 0 21 | 1 28 | 9 40 | 8 18 | 8 52 | 19 8 | | n.a. |
| S 8 | 11 25 | 19 7 | 4 23 | 11 11 | 0 37 | 7 43 | 0 58 | 17 3 | 1 4 | 6 12 | 1 12 | 17 26 | 2 1 | 23 57 | 0 19 | 23 16 | 0 21 | 1 28 | 9 41 | 8 17 | 8 51 | 19 7 | | n.a. |
| S 9 | 11 4 | 18 57 | 4 54 | 10 14 | 0 27 | 7 13 | 0 56 | 16 49 | 1 4 | 6 6 | 1 12 | 17 24 | 2 1 | 23 57 | 0 20 | 23 16 | 0 21 | 1 28 | 9 41 | 8 16 | 8 49 | 19 7 | | n.a. |
| M10 | 10 42 | 17 32 | 5 7 | 9 16 | 0 17 | 6 42 | 0 54 | 16 35 | 1 4 | 6 1 | 1 12 | 17 22 | 2 1 | 23 57 | 0 20 | 23 16 | 0 21 | 1 27 | 9 41 | 8 14 | 8 48 | 19 7 | | n.a. |
| T 11 | 10 21 | 14 59 | 5 0 | 8 18 | 0 6 | 6 11 | 0 52 | 16 20 | 1 4 | 5 55 | 1 12 | 17 19 | 2 1 | 23 57 | 0 20 | 23 16 | 0 21 | 1 27 | 9 41 | 8 11 | 8 47 | 19 6 | | n.a. |
| W12 | 9 59 | 11 29 | 4 34 | 7 19 | 0n 5 | 5 40 | 0 50 | 16 5 | 1 4 | 5 49 | 1 12 | 17 17 | 2 1 | 23 57 | 0 20 | 23 16 | 0 21 | 1 26 | 9 41 | 8 9 | 8 46 | 19 6 | | n.a. |
| T 13 | 9 38 | 7 20 | 3 50 | 6 19 | 0 16 | 5 9 | 0 48 | 15 51 | 1 3 | 5 44 | 1 12 | 17 15 | 2 1 | 23 57 | 0 20 | 23 17 | 0 21 | 1 26 | 9 41 | 8 6 | 8 45 | 19 5 | | n.a. |
| F 14 | 9 16 | 2 51 | 2 53 | 5 20 | 0 27 | 4 37 | 0 46 | 15 36 | 1 3 | 5 38 | 1 12 | 17 12 | 2 1 | 23 58 | 0 20 | 23 17 | 0 21 | 1 25 | 9 42 | 8 4 | 8 43 | 19 5 | | n.a. |
| S 15 | 8 54 | 1n41 | 1 46 | 4 21 | 0 38 | 4 6 | 0 44 | 15 21 | 1 3 | 5 32 | 1 12 | 17 10 | 2 1 | 23 58 | 0 20 | 23 17 | 0 21 | 1 25 | 9 42 | 8 2 | 8 42 | 19 5 | | n.a. |
| S 16 | 8 32 | 6 0 | 0 36 | 3 22 | 0 49 | 3 34 | 0 42 | 15 6 | 1 3 | 5 27 | 1 12 | 17 8 | 2 1 | 23 58 | 0 20 | 23 17 | 0 21 | 1 24 | 9 42 | 8 2 | 8 41 | 19 4 | | n.a. |
| M17 | 8 10 | 9 55 | 0s35 | 2 24 | 1 0 | 3 3 | 0 40 | 14 50 | 1 2 | 5 21 | 1 12 | 17 5 | 2 1 | 23 58 | 0 20 | 23 17 | 0 21 | 1 24 | 9 42 | 8 2 | 8 40 | 19 4 | | n.a. |
| T 18 | 7 47 | 13 15 | 1 42 | 1 27 | 1 10 | 2 31 | 0 38 | 14 35 | 1 2 | 5 15 | 1 11 | 17 3 | 2 2 | 23 58 | 0 20 | 23 17 | 0 21 | 1 24 | 9 42 | 8 2 | 8 38 | 19 3 | | n.a. |
| W19 | 7 25 | 15 55 | 2 43 | 0 31 | 1 21 | 1 59 | 0 36 | 14 19 | 1 2 | 5 10 | 1 11 | 17 1 | 2 2 | 23 58 | 0 20 | 23 17 | 0 21 | 1 23 | 9 42 | 8 3 | 8 37 | 19 3 | | n.a. |
| T 20 | 7 2 | 17 48 | 3 35 | 0n24 | 1 31 | 1 27 | 0 34 | 14 4 | 1 2 | 5 4 | 1 11 | 16 59 | 2 2 | 23 58 | 0 20 | 23 17 | 0 21 | 1 23 | 9 42 | 8 3 | 8 36 | 19 3 | | n.a. |
| F 21 | 6 40 | 18 52 | 4 17 | 1 17 | 1 40 | 0 56 | 0 31 | 13 48 | 1 2 | 4 58 | 1 11 | 16 56 | 2 2 | 23 58 | 0 20 | 23 17 | 0 21 | 1 22 | 9 43 | 8 3 | 8 35 | 19 2 | | n.a. |
| S 22 | 6 17 | 19 6 | 4 48 | 2 9 | 1 49 | 0 24 | 0 29 | 13 32 | 1 1 | 4 53 | 1 11 | 16 54 | 2 2 | 23 58 | 0 20 | 23 17 | 0 21 | 1 22 | 9 43 | 8 3 | 8 34 | 19 2 | | n.a. |
| S 23 | 5 54 | 18 29 | 5 6 | 2 59 | 1 58 | 0n 8 | 0 27 | 13 16 | 1 1 | 4 47 | 1 11 | 16 52 | 2 2 | 23 59 | 0 20 | 23 17 | 0 21 | 1 21 | 9 43 | 8 2 | 8 32 | 19 1 | | n.a. |
| M24 | 5 32 | 17 3 | 5 11 | 3 46 | 2 6 | 0 40 | 0 24 | 13 0 | 1 1 | 4 41 | 1 11 | 16 50 | 2 2 | 23 59 | 0 20 | 23 17 | 0 21 | 1 21 | 9 43 | 8 1 | 8 31 | 19 1 | | n.a. |
| T 25 | 5 9 | 14 52 | 5 3 | 4 32 | 2 13 | 1 12 | 0 22 | 12 44 | 1 0 | 4 36 | 1 11 | 16 47 | 2 2 | 23 59 | 0 20 | 23 17 | 0 21 | 1 20 | 9 43 | 7 59 | 8 30 | 19 1 | | n.a. |
| W26 | 4 46 | 11 58 | 4 41 | 5 15 | 2 20 | 1 44 | 0 20 | 12 28 | 1 0 | 4 30 | 1 11 | 16 45 | 2 3 | 23 59 | 0 20 | 23 17 | 0 21 | 1 20 | 9 43 | 7 57 | 8 29 | 19 0 | | n.a. |
| T 27 | 4 23 | 8 30 | 4 5 | 5 57 | 2 26 | 2 16 | 0 17 | 12 12 | 1 0 | 4 24 | 1 11 | 16 43 | 2 3 | 23 59 | 0 20 | 23 17 | 0 21 | 1 19 | 9 43 | 7 55 | 8 28 | 19 0 | | n.a. |
| F 28 | 4 0 | 4 35 | 3 16 | 6 36 | 2 31 | 2 48 | 0 15 | 11 56 | 1 0 | 4 18 | 1 11 | 16 41 | 2 3 | 23 59 | 0 20 | 23 17 | 0 21 | 1 19 | 9 43 | 7 53 | 8 26 | 18 59 | | n.a. |
| S 29 | 3 37 | 0 22 | 2 16 | 7 12 | 2 36 | 3 19 | 0 12 | 11 39 | 0 59 | 4 13 | 1 11 | 16 39 | 2 3 | 23 59 | 0 20 | 23 17 | 0 21 | 1 18 | 9 43 | 7 52 | 8 25 | 18 59 | | n.a. |
| S 30 | 3 13 | 3s57 | 1 8 | 7 47 | 2 40 | 3 51 | 0 10 | 11 23 | 0 59 | 4 7 | 1 11 | 16 36 | 2 3 | 23 59 | 0 20 | 23 17 | 0 21 | 1 17 | 9 44 | 7 51 | 8 24 | 18 58 | | n.a. |
| M31 | 2s50 | 8s 8 | 0n 5 | 8n19 | 2n42 | 4n23 | 0s 7 | 11s 6 | 0s59 | 4s 1 | 1s11 | 16s34 | 2s 3 | 23s59 | 0s20 | 23s17 | 0n21 | 1s17 | 9n44 | 7s51 | 8s23 | 18n58 | | n.a. |

Julian Day Number = 1008879.5, Delta T = 12h42m22s
Ecliptic obliquity = 23°55'01, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'17, Lahiri = -30°51'15 Julian Calendar 1 March 1951 BCE == Greg. Calendar 12 Feb. 1951 BCE

The year -1950 astronomical counting style corresponds to year 1951 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## APRIL 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 11 30 12 | 23♓56'54 | 4♏17 | 15♈39 | 12♈21 | 4♓51 | 22♓58 | 21♒35 | 21♐44 | 21♐23 | 26°R15 | 19♎41 | 21♎ 1 | 3♋35 | n.a. | T 1 |
| W 2 | 11 34 9 | 24°54'27 | 18° 6 | 16°44 | 13°34 | 5°35 | 23°12 | 21°42 | 21°44 | 21°23 | 26♎13 | 19°42 | 20°57 | 3°42 | n.a. | W 2 |
| T 3 | 11 38 6 | 25°51'59 | 2♐ 5 | 17°46 | 14°47 | 6°19 | 23°26 | 21°49 | 21°45 | 21°24 | 26°12 | 19°43 | 20°54 | 3°48 | n.a. | T 3 |
| F 4 | 11 42 2 | 26°49'30 | 16°10 | 18°43 | 16° 1 | 7° 2 | 23°40 | 21°56 | 21°45 | 21°24 | 26°11 | 19°44 | 20°51 | 3°55 | n.a. | F 4 |
| S 5 | 11 45 59 | 27°47'00 | 0♑22 | 19°35 | 17°14 | 7°46 | 23°54 | 22° 2 | 21°46 | 21°24 | 26° 9 | 19°R45 | 20°48 | 4° 2 | n.a. | S 5 |
| S 6 | 11 49 55 | 28°44'29 | 14°38 | 20°24 | 18°27 | 8°30 | 24° 8 | 22° 9 | 21°46 | 21°24 | 26° 8 | 19°44 | 20°45 | 4° 9 | n.a. | S 6 |
| M 7 | 11 53 52 | 29°41'57 | 28°54 | 21° 8 | 19°40 | 9°13 | 24°22 | 22°16 | 21°46 | 21°24 | 26° 7 | 19°43 | 20°42 | 4°15 | n.a. | M 7 |
| T 8 | 11 57 48 | 0♈39'24 | 13♒ 8 | 21°48 | 20°53 | 9°57 | 24°36 | 22°22 | 21°47 | 21°25 | 26° 5 | 19°40 | 20°38 | 4°22 | n.a. | T 8 |
| W 9 | 12 1 45 | 1°36'50 | 27°17 | 22°23 | 22° 6 | 10°40 | 24°50 | 22°29 | 21°47 | 21°25 | 26° 4 | 19°38 | 20°35 | 4°29 | n.a. | W 9 |
| T 10 | 12 5 41 | 2°34'14 | 11♓15 | 22°53 | 23°19 | 11°24 | 25° 4 | 22°36 | 21°47 | 21°R25 | 26° 2 | 19°36 | 20°32 | 4°36 | n.a. | T 10 |
| F 11 | 12 9 38 | 3°31'38 | 25° 0 | 23°19 | 24°32 | 12° 7 | 25°18 | 22°42 | 21°47 | 21°25 | 26° 1 | 19°34 | 20°29 | 4°42 | n.a. | F 11 |
| S 12 | 12 13 35 | 4°29'01 | 8♈29 | 23°41 | 25°45 | 12°50 | 25°32 | 22°49 | 21°47 | 21°25 | 25°59 | 19°33 | 20°26 | 4°49 | n.a. | S 12 |
| S 13 | 12 17 31 | 5°26'22 | 21°40 | 23°57 | 26°58 | 13°33 | 25°46 | 22°55 | 21°R47 | 21°24 | 25°58 | 19°D33 | 20°23 | 4°56 | n.a. | S 13 |
| M14 | 12 21 28 | 6°23'43 | 4♉33 | 24° 9 | 28°11 | 14°17 | 26° 0 | 23° 1 | 21°47 | 21°24 | 25°57 | 19°33 | 20°19 | 5° 2 | n.a. | M14 |
| T 15 | 12 25 24 | 7°21'02 | 17° 8 | 24°16 | 29°24 | 15° 0 | 26°14 | 23° 8 | 21°47 | 21°24 | 25°55 | 19°34 | 20°16 | 5° 9 | n.a. | T 15 |
| W16 | 12 29 21 | 8°18'20 | 29°28 | 24°R19 | 0♉37 | 15°43 | 26°28 | 23°14 | 21°47 | 21°24 | 25°54 | 19°35 | 20°13 | 5°16 | n.a. | W16 |
| T 17 | 12 33 17 | 9°15'37 | 11♊35 | 24°17 | 1°50 | 16°26 | 26°42 | 23°20 | 21°47 | 21°24 | 25°52 | 19°36 | 20°10 | 5°23 | n.a. | T 17 |
| F 18 | 12 37 14 | 10°12'53 | 23°33 | 24°10 | 3° 3 | 17° 9 | 26°56 | 23°26 | 21°46 | 21°24 | 25°51 | 19°37 | 20° 7 | 5°29 | n.a. | F 18 |
| S 19 | 12 41 10 | 11°10'07 | 5♋27 | 24° 0 | 4°16 | 17°52 | 27°10 | 23°32 | 21°46 | 21°23 | 25°49 | 19°37 | 20° 3 | 5°36 | n.a. | S 19 |
| S 20 | 12 45 7 | 12° 7'21 | 17°21 | 23°45 | 5°29 | 18°34 | 27°24 | 23°38 | 21°46 | 21°23 | 25°48 | 19°R37 | 20° 0 | 5°43 | n.a. | S 20 |
| M21 | 12 49 4 | 13° 4'33 | 29°19 | 23°26 | 6°42 | 19°17 | 27°37 | 23°44 | 21°45 | 21°23 | 25°46 | 19°37 | 19°57 | 5°49 | n.a. | M21 |
| T 22 | 12 53 0 | 14° 1'44 | 11♌26 | 23° 4 | 7°54 | 20° 0 | 27°51 | 23°50 | 21°45 | 21°22 | 25°44 | 19°36 | 19°54 | 5°56 | n.a. | T 22 |
| W23 | 12 56 57 | 14°58'55 | 23°47 | 22°39 | 9° 7 | 20°42 | 28° 5 | 23°56 | 21°45 | 21°22 | 25°43 | 19°36 | 19°51 | 6° 3 | n.a. | W23 |
| T 24 | 13 0 53 | 15°56'04 | 6♍23 | 22°11 | 10°20 | 21°25 | 28°19 | 24° 2 | 21°44 | 21°22 | 25°41 | 19°35 | 19°48 | 6°10 | n.a. | T 24 |
| F 25 | 13 4 50 | 16°53'12 | 19°18 | 21°41 | 11°32 | 22° 8 | 28°32 | 24° 7 | 21°44 | 21°21 | 25°40 | 19°35 | 19°44 | 6°16 | n.a. | F 25 |
| S 26 | 13 8 46 | 17°50'20 | 2♎32 | 21° 9 | 12°45 | 22°50 | 28°46 | 24°13 | 21°43 | 21°21 | 25°38 | 19°35 | 19°41 | 6°23 | n.a. | S 26 |
| S 27 | 13 12 43 | 18°47'27 | 16° 6 | 20°36 | 13°58 | 23°32 | 29° 0 | 24°19 | 21°42 | 21°20 | 25°37 | 19°D35 | 19°38 | 6°30 | n.a. | S 27 |
| M28 | 13 16 39 | 19°44'33 | 29°57 | 20° 2 | 15°10 | 24°15 | 29°13 | 24°24 | 21°42 | 21°20 | 25°35 | 19°R35 | 19°35 | 6°36 | n.a. | M28 |
| T 29 | 13 20 36 | 20°41'39 | 14♏ 2 | 19°28 | 16°23 | 24°57 | 29°27 | 24°30 | 21°41 | 21°19 | 25°33 | 19°35 | 19°32 | 6°43 | n.a. | T 29 |
| W30 | 13 24 33 | 21♈38'44 | 28♏18 | 18♈55 | 17♉35 | 25♓39 | 29♓40 | 24♒35 | 21♐40 | 21♐18 | 25♎32 | 19♎35 | 19♎28 | 6♋50 | n.a. | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 2s27 | 11s57 | 1n19 | 8n48 | 2n44 | 4n54 | 0s 5 | 10s49 | 0s58 | 3s55 | 1s11 | 16s32 | 2s 3 | 23s59 | 0s20 | 23s17 | 0n21 | 1s16 | 9n44 | 7s51 | 8s21 | 18n58 | | n.a. |
| W 2 | 2 4 | 15 10 | 2 30 | 9 15 | 2 46 | 5 26 | 0 2 | 10 33 | 0 58 | 3 50 | 1 11 | 16 30 | 2 4 | 23 59 | 0 20 | 23 17 | 0 21 | 1 16 | 9 44 | 7 51 | 8 20 | 18 57 | | n.a. |
| T 3 | 1 40 | 17 31 | 3 32 | 9 39 | 2 46 | 5 57 | 0n 1 | 10 16 | 0 58 | 3 44 | 1 11 | 16 28 | 2 4 | 23 59 | 0 20 | 23 17 | 0 21 | 1 15 | 9 44 | 7 52 | 8 19 | 18 57 | | n.a. |
| F 4 | 1 17 | 18 50 | 4 23 | 10 1 | 2 45 | 6 28 | 0 3 | 9 59 | 0 57 | 3 38 | 1 11 | 16 26 | 2 4 | 23 59 | 0 20 | 23 17 | 0 21 | 1 15 | 9 44 | 7 52 | 8 18 | 18 56 | | n.a. |
| S 5 | 0 54 | 18 58 | 4 57 | 10 20 | 2 44 | 6 59 | 0 6 | 9 42 | 0 57 | 3 33 | 1 10 | 16 23 | 2 4 | 23 59 | 0 20 | 23 17 | 0 21 | 1 14 | 9 44 | 7 52 | 8 17 | 18 56 | | n.a. |
| S 6 | 0 31 | 17 54 | 5 14 | 10 36 | 2 41 | 7 30 | 0 8 | 9 25 | 0 57 | 3 27 | 1 10 | 16 21 | 2 4 | 23 59 | 0 20 | 23 17 | 0 21 | 1 14 | 9 44 | 7 52 | 8 15 | 18 55 | | n.a. |
| M 7 | 0 7 | 15 43 | 5 11 | 10 50 | 2 38 | 8 1 | 0 11 | 9 8 | 0 56 | 3 21 | 1 10 | 16 19 | 2 4 | 24 0 | 0 20 | 23 17 | 0 21 | 1 13 | 9 44 | 7 51 | 8 14 | 18 55 | | n.a. |
| T 8 | 0n16 | 12 36 | 4 49 | 11 1 | 2 33 | 8 31 | 0 13 | 8 51 | 0 56 | 3 15 | 1 10 | 16 17 | 2 5 | 24 0 | 0 20 | 23 17 | 0 21 | 1 13 | 9 44 | 7 51 | 8 13 | 18 54 | | n.a. |
| W 9 | 0 39 | 8 45 | 4 10 | 11 9 | 2 28 | 9 1 | 0 16 | 8 34 | 0 56 | 3 10 | 1 10 | 16 15 | 2 5 | 24 0 | 0 20 | 23 17 | 0 21 | 1 12 | 9 44 | 7 50 | 8 12 | 18 54 | | n.a. |
| T 10 | 1 3 | 4 29 | 3 16 | 11 15 | 2 21 | 9 31 | 0 19 | 8 17 | 0 55 | 3 4 | 1 10 | 16 13 | 2 5 | 24 0 | 0 20 | 23 17 | 0 21 | 1 12 | 9 44 | 7 49 | 8 11 | 18 53 | | n.a. |
| F 11 | 1 26 | 0 1 | 2 11 | 11 18 | 2 14 | 10 1 | 0 21 | 8 0 | 0 55 | 2 58 | 1 10 | 16 11 | 2 5 | 24 0 | 0 20 | 23 17 | 0 21 | 1 11 | 9 44 | 7 48 | 8 9 | 18 53 | | n.a. |
| S 12 | 1 49 | 4n21 | 1 1 | 11 18 | 2 6 | 10 31 | 0 24 | 7 43 | 0 55 | 2 53 | 1 10 | 16 9 | 2 5 | 24 0 | 0 20 | 23 17 | 0 20 | 1 10 | 9 44 | 7 48 | 8 8 | 18 52 | | n.a. |
| S 13 | 2 12 | 8 26 | 0s12 | 11 16 | 1 56 | 11 0 | 0 26 | 7 25 | 0 54 | 2 47 | 1 10 | 16 7 | 2 5 | 24 0 | 0 20 | 23 17 | 0 20 | 1 10 | 9 44 | 7 48 | 8 7 | 18 52 | | n.a. |
| M14 | 2 35 | 12 0 | 1 22 | 11 11 | 1 46 | 11 30 | 0 29 | 7 8 | 0 54 | 2 41 | 1 10 | 16 5 | 2 6 | 24 0 | 0 20 | 23 17 | 0 20 | 1 9 | 9 44 | 7 48 | 8 6 | 18 51 | | n.a. |
| T 15 | 2 58 | 14 57 | 2 27 | 11 3 | 1 34 | 11 58 | 0 32 | 6 51 | 0 54 | 2 36 | 1 10 | 16 3 | 2 6 | 24 0 | 0 20 | 23 17 | 0 20 | 1 9 | 9 44 | 7 48 | 8 4 | 18 51 | | n.a. |
| W16 | 3 21 | 17 8 | 3 23 | 10 53 | 1 22 | 12 27 | 0 34 | 6 33 | 0 53 | 2 30 | 1 10 | 16 1 | 2 6 | 24 0 | 0 20 | 23 17 | 0 20 | 1 8 | 9 44 | 7 49 | 8 3 | 18 50 | | n.a. |
| T 17 | 3 44 | 18 30 | 4 10 | 10 40 | 1 9 | 12 55 | 0 37 | 6 16 | 0 53 | 2 24 | 1 10 | 15 59 | 2 6 | 24 0 | 0 20 | 23 17 | 0 20 | 1 8 | 9 44 | 7 49 | 8 2 | 18 50 | | n.a. |
| F 18 | 4 7 | 19 1 | 4 45 | 10 25 | 0 55 | 13 23 | 0 39 | 5 59 | 0 52 | 2 19 | 1 10 | 15 58 | 2 6 | 24 0 | 0 20 | 23 17 | 0 20 | 1 7 | 9 44 | 7 49 | 8 1 | 18 50 | | n.a. |
| S 19 | 4 30 | 18 41 | 5 7 | 10 7 | 0 41 | 13 51 | 0 42 | 5 41 | 0 52 | 2 13 | 1 10 | 15 56 | 2 7 | 24 0 | 0 21 | 23 17 | 0 20 | 1 7 | 9 44 | 7 49 | 8 0 | 18 49 | | n.a. |
| S 20 | 4 53 | 17 32 | 5 17 | 9 47 | 0 25 | 14 18 | 0 44 | 5 24 | 0 52 | 2 8 | 1 10 | 15 54 | 2 7 | 24 0 | 0 21 | 23 17 | 0 20 | 1 6 | 9 44 | 7 49 | 7 58 | 18 49 | | n.a. |
| M21 | 5 16 | 15 37 | 5 12 | 9 25 | 0 9 | 14 45 | 0 47 | 5 6 | 0 51 | 2 2 | 1 10 | 15 52 | 2 7 | 24 0 | 0 21 | 23 17 | 0 20 | 1 6 | 9 44 | 7 49 | 7 57 | 18 48 | | n.a. |
| T 22 | 5 38 | 12 59 | 4 54 | 9 2 | 0s 7 | 15 12 | 0 49 | 4 49 | 0 51 | 1 56 | 1 10 | 15 50 | 2 7 | 24 0 | 0 21 | 23 17 | 0 20 | 1 5 | 9 44 | 7 49 | 7 56 | 18 47 | | n.a. |
| W23 | 6 1 | 9 44 | 4 22 | 8 37 | 0 24 | 15 38 | 0 52 | 4 31 | 0 50 | 1 51 | 1 10 | 15 48 | 2 7 | 24 0 | 0 21 | 23 17 | 0 20 | 1 4 | 9 44 | 7 49 | 7 55 | 18 47 | | n.a. |
| T 24 | 6 23 | 5 59 | 3 37 | 8 11 | 0 40 | 16 4 | 0 54 | 4 14 | 0 50 | 1 45 | 1 10 | 15 47 | 2 8 | 24 0 | 0 21 | 23 17 | 0 20 | 1 4 | 9 44 | 7 49 | 7 53 | 18 46 | | n.a. |
| F 25 | 6 46 | 1 52 | 2 40 | 7 44 | 0 57 | 16 29 | 0 57 | 3 56 | 0 49 | 1 40 | 1 10 | 15 45 | 2 8 | 24 0 | 0 21 | 23 17 | 0 20 | 1 3 | 9 44 | 7 49 | 7 52 | 18 46 | | n.a. |
| S 26 | 7 8 | 2s27 | 1 33 | 7 16 | 1 14 | 16 55 | 0 59 | 3 39 | 0 49 | 1 34 | 1 10 | 15 43 | 2 8 | 24 0 | 0 21 | 23 17 | 0 20 | 1 3 | 9 44 | 7 49 | 7 51 | 18 45 | | n.a. |
| S 27 | 7 30 | 6 45 | 0 19 | 6 48 | 1 31 | 17 19 | 1 1 | 3 21 | 0 49 | 1 29 | 1 10 | 15 41 | 2 8 | 24 0 | 0 21 | 23 17 | 0 20 | 1 2 | 9 44 | 7 48 | 7 50 | 18 45 | | n.a. |
| M28 | 7 52 | 10 47 | 0n57 | 6 20 | 1 47 | 17 43 | 1 4 | 3 4 | 0 48 | 1 23 | 1 10 | 15 40 | 2 8 | 24 0 | 0 21 | 23 17 | 0 20 | 1 2 | 9 44 | 7 48 | 7 49 | 18 44 | | n.a. |
| T 29 | 8 14 | 14 17 | 2 12 | 5 53 | 2 2 | 18 7 | 1 6 | 2 46 | 0 48 | 1 18 | 1 10 | 15 38 | 2 9 | 24 0 | 0 21 | 23 17 | 0 20 | 1 1 | 9 44 | 7 48 | 7 47 | 18 44 | | n.a. |
| W30 | 8n36 | 16s57 | 3n19 | 5n27 | 2s17 | 18n30 | 1n 8 | 2s29 | 0s47 | 1s12 | 1s10 | 15s36 | 2s 9 | 24s 0 | 0s21 | 23s17 | 0n20 | 1s 1 | 9n44 | 7s48 | 7s46 | 18n43 | | n.a. |

Julian Day Number = 1008910.5, Delta T = 12h42m20s
Ecliptic obliquity = 23°55'01, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'13, Lahiri = -30°51'11 Julian Calendar 1 Apr. 1951 BCE == Greg. Calendar 15 March 1951 BCE

The year -1950 astronomical counting style corresponds to year 1951 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## MAY 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 13 28 29 | 22♈35'49 | 12♐40 | 18°R23 | 18♉48 | 26♓22 | 29♓54 | 24♒40 | 21°R39 | 21°R18 | 25°R30 | 19°R34 | 19♎25 | 6♋57 | n.a. | T 1 |
| F 2 | 13 32 26 | 23°32'54 | 27° 4 | 17♈53 | 20° 0 | 27° 4 | 0♈ 7 | 24°45 | 21♐38 | 21♐17 | 25♎29 | 19♎34 | 19°22 | 7° 3 | n.a. | F 2 |
| S 3 | 13 36 22 | 24°29'58 | 11♑25 | 17°24 | 21°12 | 27°46 | 0°21 | 24°51 | 21°37 | 21°16 | 25°27 | 19°34 | 19°19 | 7°10 | n.a. | S 3 |
| S 4 | 13 40 19 | 25°27'03 | 25°41 | 16°59 | 22°25 | 28°28 | 0°34 | 24°56 | 21°36 | 21°16 | 25°25 | 19°D34 | 19°16 | 7°17 | n.a. | S 4 |
| M 5 | 13 44 15 | 26°24'07 | 9♒48 | 16°36 | 23°37 | 29°10 | 0°47 | 25° 1 | 21°35 | 21°15 | 25°24 | 19°34 | 19°13 | 7°24 | n.a. | M 5 |
| T 6 | 13 48 12 | 27°21'12 | 23°44 | 16°17 | 24°50 | 29°52 | 1° 1 | 25° 6 | 21°34 | 21°14 | 25°22 | 19°34 | 19° 9 | 7°30 | n.a. | T 6 |
| W 7 | 13 52 9 | 28°18'16 | 7♓29 | 16° 2 | 26° 2 | 0♈33 | 1°14 | 25°11 | 21°33 | 21°13 | 25°21 | 19°35 | 19° 6 | 7°37 | n.a. | W 7 |
| T 8 | 13 56 5 | 29°15'20 | 21° 1 | 15°51 | 27°14 | 1°15 | 1°27 | 25°15 | 21°32 | 21°13 | 25°19 | 19°36 | 19° 3 | 7°44 | n.a. | T 8 |
| F 9 | 14 0 2 | 0♉12'25 | 4♈20 | 15°44 | 28°26 | 1°57 | 1°40 | 25°20 | 21°31 | 21°12 | 25°17 | 19°36 | 19° 0 | 7°50 | n.a. | F 9 |
| S 10 | 14 3 58 | 1° 9'29 | 17°26 | 15°D41 | 29°39 | 2°39 | 1°54 | 25°25 | 21°30 | 21°11 | 25°16 | 19°R37 | 18°57 | 7°57 | n.a. | S 10 |
| S 11 | 14 7 55 | 2° 6'33 | 0♉17 | 15°43 | 0♊51 | 3°20 | 2° 7 | 25°29 | 21°29 | 21°10 | 25°14 | 19°37 | 18°54 | 8° 4 | n.a. | S 11 |
| M12 | 14 11 51 | 3° 3'37 | 12°55 | 15°50 | 2° 3 | 4° 2 | 2°20 | 25°34 | 21°27 | 21° 9 | 25°13 | 19°36 | 18°50 | 8°11 | n.a. | M12 |
| T 13 | 14 15 48 | 4° 0'40 | 25°21 | 16° 2 | 3°15 | 4°43 | 2°33 | 25°38 | 21°26 | 21° 8 | 25°11 | 19°34 | 18°47 | 8°17 | n.a. | T 13 |
| W14 | 14 19 44 | 4°57'44 | 7♊34 | 16°18 | 4°27 | 5°25 | 2°46 | 25°42 | 21°24 | 21° 7 | 25°10 | 19°32 | 18°44 | 8°24 | n.a. | W14 |
| T 15 | 14 23 41 | 5°54'48 | 19°38 | 16°40 | 5°39 | 6° 6 | 2°58 | 25°47 | 21°23 | 21° 6 | 25° 8 | 19°30 | 18°41 | 8°31 | n.a. | T 15 |
| F 16 | 14 27 38 | 6°51'51 | 1♋35 | 17° 6 | 6°51 | 6°48 | 3°11 | 25°51 | 21°22 | 21° 5 | 25° 6 | 19°27 | 18°38 | 8°37 | n.a. | F 16 |
| S 17 | 14 31 34 | 7°48'54 | 13°28 | 17°37 | 8° 3 | 7°29 | 3°24 | 25°55 | 21°20 | 21° 4 | 25° 5 | 19°25 | 18°34 | 8°44 | n.a. | S 17 |
| S 18 | 14 35 31 | 8°45'57 | 25°21 | 18°12 | 9°15 | 8°10 | 3°37 | 25°59 | 21°19 | 21° 3 | 25° 3 | 19°24 | 18°31 | 8°51 | n.a. | S 18 |
| M19 | 14 39 27 | 9°43'00 | 7♌18 | 18°52 | 10°27 | 8°51 | 3°49 | 26° 3 | 21°17 | 21° 2 | 25° 2 | 19°D23 | 18°28 | 8°58 | n.a. | M19 |
| T 20 | 14 43 24 | 10°40'03 | 19°24 | 19°37 | 11°39 | 9°32 | 4° 2 | 26° 7 | 21°15 | 21° 1 | 25° 0 | 19°23 | 18°25 | 9° 4 | n.a. | T 20 |
| W21 | 14 47 20 | 11°37'05 | 1♍43 | 20°26 | 12°51 | 10°13 | 4°14 | 26°10 | 21°14 | 21° 0 | 24°59 | 19°24 | 18°22 | 9°11 | n.a. | W21 |
| T 22 | 14 51 17 | 12°34'08 | 14°20 | 21°20 | 14° 3 | 10°54 | 4°27 | 26°14 | 21°12 | 20°58 | 24°57 | 19°26 | 18°19 | 9°18 | n.a. | T 22 |
| F 23 | 14 55 14 | 13°31'10 | 27°19 | 22°19 | 15°14 | 11°35 | 4°39 | 26°17 | 21°10 | 20°57 | 24°56 | 19°27 | 18°15 | 9°25 | n.a. | F 23 |
| S 24 | 14 59 10 | 14°28'13 | 10♎40 | 23°21 | 16°26 | 12°16 | 4°52 | 26°21 | 21° 9 | 20°56 | 24°54 | 19°28 | 18°12 | 9°31 | n.a. | S 24 |
| S 25 | 15 3 7 | 15°25'16 | 24°27 | 24°28 | 17°38 | 12°57 | 5° 4 | 26°24 | 21° 7 | 20°55 | 24°53 | 19°R28 | 18° 9 | 9°38 | n.a. | S 25 |
| M26 | 15 7 3 | 16°22'19 | 8♏36 | 25°40 | 18°49 | 13°38 | 5°16 | 26°27 | 21° 5 | 20°53 | 24°51 | 19°27 | 18° 6 | 9°45 | n.a. | M26 |
| T 27 | 15 11 0 | 17°19'22 | 23° 5 | 26°55 | 20° 1 | 14°18 | 5°28 | 26°31 | 21° 3 | 20°52 | 24°50 | 19°25 | 18° 3 | 9°51 | n.a. | T 27 |
| W28 | 15 14 56 | 18°16'26 | 7♐48 | 28°15 | 21°12 | 14°59 | 5°40 | 26°34 | 21° 1 | 20°51 | 24°48 | 19°22 | 17°59 | 9°58 | n.a. | W28 |
| T 29 | 15 18 53 | 19°13'31 | 22°37 | 29°39 | 22°24 | 15°40 | 5°52 | 26°37 | 20°59 | 20°50 | 24°47 | 19°18 | 17°56 | 10° 5 | n.a. | T 29 |
| F 30 | 15 22 50 | 20°10'36 | 7♑24 | 1♉ 7 | 23°35 | 16°20 | 6° 4 | 26°40 | 20°58 | 20°48 | 24°46 | 19°14 | 17°53 | 10°12 | n.a. | F 30 |
| S 31 | 15 26 46 | 21♉ 7'42 | 22♑ 3 | 2♉38 | 24♊47 | 17♈ 0 | 6♈16 | 26♒42 | 20♐56 | 20♐47 | 24♎44 | 19♎10 | 17♎50 | 10♋18 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 8n58 | 18s35 | 4n14 | 5n 1 | 2s31 | 18n53 | 1n10 | 2s11 | 0s47 | 1s 7 | 1s10 | 15s35 | 2s 9 | 24s 0 | 0s21 | 23s17 | 0n20 | 1s 0 | 9n44 | 7s48 | 7s45 | 18n43 | | | n.a. |
| F 2 | 9 19 | 19 0 | 4 53 | 4 37 | 2 44 | 19 15 | 1 13 | 1 54 | 0 46 | 1 1 | 1 10 | 15 33 | 2 9 | 24 0 | 0 21 | 23 17 | 0 20 | 1 0 | 9 44 | 7 48 | 7 44 | 18 42 | | | n.a. |
| S 3 | 9 41 | 18 12 | 5 14 | 4 15 | 2 56 | 19 37 | 1 15 | 1 36 | 0 46 | 0 56 | 1 10 | 15 32 | 2 10 | 24 0 | 0 21 | 23 17 | 0 20 | 0 59 | 9 44 | 7 48 | 7 42 | 18 42 | | | n.a. |
| S 4 | 10 2 | 16 16 | 5 15 | 3 55 | 3 7 | 19 59 | 1 17 | 1 19 | 0 45 | 0 50 | 1 10 | 15 30 | 2 10 | 24 0 | 0 21 | 23 17 | 0 20 | 0 59 | 9 44 | 7 48 | 7 41 | 18 41 | | | n.a. |
| M 5 | 10 23 | 13 23 | 4 57 | 3 38 | 3 17 | 20 19 | 1 19 | 1 1 | 0 45 | 0 45 | 1 10 | 15 29 | 2 10 | 24 0 | 0 21 | 23 17 | 0 20 | 0 58 | 9 43 | 7 48 | 7 40 | 18 41 | | | n.a. |
| T 6 | 10 44 | 9 45 | 4 22 | 3 22 | 3 26 | 20 40 | 1 21 | 0 44 | 0 44 | 0 40 | 1 10 | 15 27 | 2 10 | 23 59 | 0 21 | 23 17 | 0 20 | 0 58 | 9 43 | 7 48 | 7 39 | 18 40 | | | n.a. |
| W 7 | 11 5 | 5 39 | 3 33 | 3 9 | 3 33 | 20 59 | 1 23 | 0 27 | 0 44 | 0 34 | 1 10 | 15 26 | 2 11 | 23 59 | 0 21 | 23 17 | 0 20 | 0 57 | 9 43 | 7 49 | 7 37 | 18 40 | | | n.a. |
| T 8 | 11 26 | 1 19 | 2 32 | 3 0 | 3 39 | 21 18 | 1 25 | 0 9 | 0 43 | 0 29 | 1 10 | 15 24 | 2 11 | 23 59 | 0 21 | 23 17 | 0 20 | 0 57 | 9 43 | 7 49 | 7 36 | 18 39 | | | n.a. |
| F 9 | 11 46 | 3n 2 | 1 24 | 2 52 | 3 44 | 21 37 | 1 27 | 0n 8 | 0 43 | 0 24 | 1 11 | 15 23 | 2 11 | 23 59 | 0 21 | 23 17 | 0 20 | 0 57 | 9 43 | 7 49 | 7 35 | 18 38 | | | n.a. |
| S 10 | 12 6 | 7 10 | 0 12 | 2 48 | 3 48 | 21 55 | 1 28 | 0 25 | 0 42 | 0 18 | 1 11 | 15 22 | 2 11 | 23 59 | 0 21 | 23 17 | 0 20 | 0 56 | 9 43 | 7 49 | 7 34 | 18 38 | | | n.a. |
| S 11 | 12 27 | 10 53 | 0s59 | 2 47 | 3 50 | 22 12 | 1 30 | 0 43 | 0 42 | 0 13 | 1 11 | 15 20 | 2 12 | 23 59 | 0 21 | 23 17 | 0 20 | 0 56 | 9 43 | 7 49 | 7 33 | 18 37 | | | n.a. |
| M12 | 12 47 | 14 2 | 2 5 | 2 48 | 3 51 | 22 29 | 1 32 | 1 0 | 0 42 | 0 8 | 1 11 | 15 19 | 2 12 | 23 59 | 0 21 | 23 17 | 0 20 | 0 55 | 9 43 | 7 49 | 7 31 | 18 37 | | | n.a. |
| T 13 | 13 6 | 16 29 | 3 5 | 2 53 | 3 51 | 22 45 | 1 33 | 1 17 | 0 41 | 0 3 | 1 11 | 15 18 | 2 12 | 23 59 | 0 21 | 23 16 | 0 20 | 0 55 | 9 42 | 7 48 | 7 30 | 18 36 | | | n.a. |
| W14 | 13 26 | 18 9 | 3 55 | 3 0 | 3 50 | 23 1 | 1 35 | 1 35 | 0 40 | 0n 2 | 1 11 | 15 16 | 2 12 | 23 59 | 0 21 | 23 16 | 0 20 | 0 54 | 9 42 | 7 47 | 7 29 | 18 36 | | | n.a. |
| T 15 | 13 45 | 18 57 | 4 34 | 3 11 | 3 48 | 23 16 | 1 37 | 1 52 | 0 40 | 0 8 | 1 11 | 15 15 | 2 13 | 23 59 | 0 21 | 23 16 | 0 20 | 0 54 | 9 42 | 7 47 | 7 28 | 18 35 | | | n.a. |
| F 16 | 14 5 | 18 54 | 5 0 | 3 24 | 3 45 | 23 30 | 1 38 | 2 9 | 0 39 | 0 13 | 1 11 | 15 14 | 2 13 | 23 59 | 0 21 | 23 16 | 0 20 | 0 53 | 9 42 | 7 46 | 7 26 | 18 34 | | | n.a. |
| S 17 | 14 24 | 18 1 | 5 13 | 3 39 | 3 41 | 23 43 | 1 39 | 2 26 | 0 39 | 0 18 | 1 11 | 15 13 | 2 13 | 23 59 | 0 21 | 23 16 | 0 20 | 0 53 | 9 42 | 7 45 | 7 25 | 18 34 | | | n.a. |
| S 18 | 14 42 | 16 21 | 5 13 | 3 58 | 3 36 | 23 56 | 1 41 | 2 43 | 0 38 | 0 23 | 1 11 | 15 12 | 2 13 | 23 59 | 0 21 | 23 16 | 0 20 | 0 53 | 9 42 | 7 44 | 7 24 | 18 33 | | | n.a. |
| M19 | 15 1 | 13 59 | 5 0 | 4 18 | 3 30 | 24 9 | 1 42 | 3 0 | 0 38 | 0 28 | 1 11 | 15 11 | 2 14 | 23 59 | 0 21 | 23 16 | 0 20 | 0 52 | 9 41 | 7 44 | 7 23 | 18 33 | | | n.a. |
| T 20 | 15 19 | 10 59 | 4 33 | 4 42 | 3 23 | 24 20 | 1 43 | 3 17 | 0 37 | 0 33 | 1 11 | 15 9 | 2 14 | 23 59 | 0 21 | 23 16 | 0 20 | 0 52 | 9 41 | 7 44 | 7 21 | 18 32 | | | n.a. |
| W21 | 15 37 | 7 27 | 3 53 | 5 7 | 3 16 | 24 31 | 1 44 | 3 34 | 0 37 | 0 38 | 1 11 | 15 8 | 2 14 | 23 58 | 0 21 | 23 16 | 0 20 | 0 52 | 9 41 | 7 44 | 7 20 | 18 31 | | | n.a. |
| T 22 | 15 55 | 3 30 | 3 1 | 5 35 | 3 8 | 24 41 | 1 45 | 3 51 | 0 36 | 0 43 | 1 11 | 15 7 | 2 14 | 23 58 | 0 21 | 23 16 | 0 20 | 0 51 | 9 41 | 7 45 | 7 19 | 18 31 | | | n.a. |
| F 23 | 16 13 | 0s43 | 1 59 | 6 5 | 2 59 | 24 51 | 1 46 | 4 7 | 0 36 | 0 48 | 1 11 | 15 6 | 2 15 | 23 58 | 0 21 | 23 16 | 0 20 | 0 51 | 9 41 | 7 46 | 7 18 | 18 30 | | | n.a. |
| S 24 | 16 30 | 5 3 | 0 48 | 6 38 | 2 50 | 24 59 | 1 47 | 4 24 | 0 35 | 0 53 | 1 11 | 15 6 | 2 15 | 23 58 | 0 21 | 23 16 | 0 20 | 0 50 | 9 40 | 7 46 | 7 17 | 18 30 | | | n.a. |
| S 25 | 16 47 | 9 14 | 0n27 | 7 12 | 2 40 | 25 7 | 1 48 | 4 41 | 0 35 | 0 58 | 1 11 | 15 5 | 2 15 | 23 58 | 0 21 | 23 16 | 0 20 | 0 50 | 9 40 | 7 46 | 7 15 | 18 29 | | | n.a. |
| M26 | 17 4 | 13 2 | 1 43 | 7 48 | 2 29 | 25 15 | 1 49 | 4 58 | 0 34 | 1 3 | 1 11 | 15 4 | 2 16 | 23 58 | 0 21 | 23 16 | 0 20 | 0 50 | 9 40 | 7 46 | 7 14 | 18 28 | | | n.a. |
| T 27 | 17 20 | 16 7 | 2 54 | 8 26 | 2 19 | 25 21 | 1 50 | 5 14 | 0 34 | 1 7 | 1 11 | 15 3 | 2 16 | 23 58 | 0 21 | 23 15 | 0 20 | 0 49 | 9 40 | 7 45 | 7 13 | 18 28 | | | n.a. |
| W28 | 17 37 | 18 12 | 3 54 | 9 5 | 2 7 | 25 27 | 1 50 | 5 31 | 0 33 | 1 12 | 1 12 | 15 2 | 2 16 | 23 58 | 0 21 | 23 15 | 0 20 | 0 49 | 9 40 | 7 43 | 7 12 | 18 27 | | | n.a. |
| T 29 | 17 53 | 19 3 | 4 39 | 9 46 | 1 56 | 25 32 | 1 51 | 5 47 | 0 32 | 1 17 | 1 12 | 15 1 | 2 16 | 23 58 | 0 21 | 23 15 | 0 20 | 0 49 | 9 39 | 7 42 | 7 10 | 18 27 | | | n.a. |
| F 30 | 18 8 | 18 37 | 5 6 | 10 28 | 1 44 | 25 37 | 1 51 | 6 4 | 0 32 | 1 22 | 1 12 | 15 1 | 2 17 | 23 57 | 0 21 | 23 15 | 0 20 | 0 49 | 9 39 | 7 40 | 7 9 | 18 26 | | | n.a. |
| S 31 | 18n24 | 16s56 | 5n12 | 11n12 | 1s32 | 25n40 | 1n52 | 6n20 | 0s31 | 1n26 | 1s12 | 15s 0 | 2s17 | 23s57 | 0s21 | 23s15 | 0n20 | 0s48 | 9n39 | 7s39 | 7s 8 | 18n25 | | | n.a. |

Julian Day Number = 1008940.5, Delta T = 12h42m18s
Ecliptic obliquity = 23°55'00, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'09, Lahiri = -30°51'07 Julian Calendar 1 May 1951 BCE == Greg. Calendar 14 Apr. 1951 BCE

The year -1950 astronomical counting style corresponds to year 1951 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## JUNE 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 15 30 43 | 22♉ 4'49 | 6♒28 | 4♉14 | 25♊58 | 17♈41 | 6♈28 | 26♒45 | 20°R54 | 20°R45 | 24°R43 | 19°R 8 | 17♎47 | 10♋25 | n.a. | S 1 |
| M 2 | 15 34 39 | 23° 1'56 | 20°36 | 5°53 | 27° 9 | 18°21 | 6°39 | 26°48 | 20♐52 | 20♐44 | 24♎42 | 19°D 7 | 17°44 | 10°32 | n.a. | M 2 |
| T 3 | 15 38 36 | 23°59'05 | 4♓25 | 7°36 | 28°20 | 19° 2 | 6°51 | 26°50 | 20°50 | 20°43 | 24°40 | 19♎ 7 | 17°40 | 10°38 | n.a. | T 3 |
| W 4 | 15 42 32 | 24°56'14 | 17°55 | 9°22 | 29°32 | 19°42 | 7° 2 | 26°53 | 20°48 | 20°41 | 24°39 | 19° 9 | 17°37 | 10°45 | n.a. | W 4 |
| T 5 | 15 46 29 | 25°53'25 | 1♈ 8 | 11°12 | 0♋43 | 20°22 | 7°14 | 26°55 | 20°45 | 20°40 | 24°38 | 19°10 | 17°34 | 10°52 | n.a. | T 5 |
| F 6 | 15 50 25 | 26°50'36 | 14° 6 | 13° 4 | 1°54 | 21° 2 | 7°25 | 26°57 | 20°43 | 20°38 | 24°36 | 19°R11 | 17°31 | 10°59 | n.a. | F 6 |
| S 7 | 15 54 22 | 27°47'48 | 26°51 | 14°59 | 3° 5 | 21°42 | 7°36 | 26°59 | 20°41 | 20°37 | 24°35 | 19°11 | 17°28 | 11° 5 | n.a. | S 7 |
| S 8 | 15 58 19 | 28°45'01 | 9♉23 | 16°57 | 4°16 | 22°22 | 7°48 | 27° 1 | 20°39 | 20°35 | 24°34 | 19° 9 | 17°25 | 11°12 | n.a. | S 8 |
| M 9 | 16 2 15 | 29°42'16 | 21°46 | 18°56 | 5°27 | 23° 2 | 7°59 | 27° 3 | 20°37 | 20°34 | 24°32 | 19° 5 | 17°21 | 11°19 | n.a. | M 9 |
| T 10 | 16 6 12 | 0♊39'31 | 3♊59 | 20°58 | 6°38 | 23°42 | 8°10 | 27° 5 | 20°35 | 20°32 | 24°31 | 19° 0 | 17°18 | 11°26 | n.a. | T 10 |
| W11 | 16 10 8 | 1°36'47 | 16° 4 | 23° 1 | 7°49 | 24°22 | 8°21 | 27° 7 | 20°32 | 20°31 | 24°30 | 18°53 | 17°15 | 11°32 | n.a. | W11 |
| T 12 | 16 14 5 | 2°34'04 | 28° 3 | 25° 5 | 9° 0 | 25° 1 | 8°32 | 27° 8 | 20°30 | 20°29 | 24°29 | 18°45 | 17°12 | 11°39 | n.a. | T 12 |
| F 13 | 16 18 1 | 3°31'22 | 9♋57 | 27°11 | 10°10 | 25°41 | 8°42 | 27°10 | 20°28 | 20°28 | 24°28 | 18°36 | 17° 9 | 11°46 | n.a. | F 13 |
| S 14 | 16 21 58 | 4°28'40 | 21°49 | 29°16 | 11°21 | 26°21 | 8°53 | 27°11 | 20°26 | 20°26 | 24°27 | 18°29 | 17° 5 | 11°52 | n.a. | S 14 |
| S 15 | 16 25 55 | 5°25'59 | 3♌40 | 1♊22 | 12°32 | 27° 0 | 9° 3 | 27°12 | 20°23 | 20°25 | 24°26 | 18°23 | 17° 2 | 11°59 | n.a. | S 15 |
| M16 | 16 29 51 | 6°23'20 | 15°36 | 3°28 | 13°42 | 27°40 | 9°14 | 27°14 | 20°21 | 20°23 | 24°24 | 18°19 | 16°59 | 12° 6 | n.a. | M16 |
| T 17 | 16 33 48 | 7°20'41 | 27°40 | 5°34 | 14°53 | 28°19 | 9°24 | 27°15 | 20°19 | 20°22 | 24°23 | 18°16 | 16°56 | 12°13 | n.a. | T 17 |
| W18 | 16 37 44 | 8°18'02 | 9♍56 | 7°40 | 16° 3 | 28°59 | 9°34 | 27°16 | 20°17 | 20°20 | 24°22 | 18°D16 | 16°53 | 12°19 | n.a. | W18 |
| T 19 | 16 41 41 | 9°15'25 | 22°29 | 9°44 | 17°14 | 29°38 | 9°44 | 27°17 | 20°14 | 20°18 | 24°21 | 18°16 | 16°50 | 12°26 | n.a. | T 19 |
| F 20 | 16 45 37 | 10°12'49 | 5♎24 | 11°48 | 18°24 | 0♉17 | 9°54 | 27°17 | 20°12 | 20°17 | 24°20 | 18°18 | 16°46 | 12°33 | n.a. | F 20 |
| S 21 | 16 49 34 | 11°10'13 | 18°45 | 13°51 | 19°34 | 0°56 | 10° 4 | 27°18 | 20°10 | 20°15 | 24°19 | 18°R18 | 16°43 | 12°40 | n.a. | S 21 |
| S 22 | 16 53 30 | 12° 7'38 | 2♏33 | 15°52 | 20°45 | 1°36 | 10°14 | 27°19 | 20° 7 | 20°14 | 24°18 | 18°17 | 16°40 | 12°46 | n.a. | S 22 |
| M23 | 16 57 27 | 13° 5'05 | 16°50 | 17°53 | 21°55 | 2°15 | 10°24 | 27°19 | 20° 5 | 20°12 | 24°18 | 18°14 | 16°37 | 12°53 | n.a. | M23 |
| T 24 | 17 1 24 | 14° 2'33 | 1♐31 | 19°52 | 23° 5 | 2°54 | 10°33 | 27°19 | 20° 2 | 20°10 | 24°17 | 18° 9 | 16°34 | 13° 0 | n.a. | T 24 |
| W25 | 17 5 20 | 15° 0'02 | 16°32 | 21°50 | 24°15 | 3°33 | 10°43 | 27°20 | 20° 0 | 20° 9 | 24°16 | 18° 2 | 16°31 | 13° 6 | n.a. | W25 |
| T 26 | 17 9 17 | 15°57'32 | 1♑42 | 23°46 | 25°24 | 4°12 | 10°52 | 27°20 | 19°58 | 20° 7 | 24°15 | 17°54 | 16°27 | 13°13 | n.a. | T 26 |
| F 27 | 17 13 13 | 16°55'04 | 16°52 | 25°41 | 26°34 | 4°50 | 11° 1 | 27°R20 | 19°55 | 20° 6 | 24°14 | 17°45 | 16°24 | 13°20 | n.a. | F 27 |
| S 28 | 17 17 10 | 17°52'38 | 1♒51 | 27°35 | 27°44 | 5°29 | 11°11 | 27°20 | 19°53 | 20° 4 | 24°13 | 17°38 | 16°21 | 13°27 | n.a. | S 28 |
| S 29 | 17 21 6 | 18°50'13 | 16°31 | 29°27 | 28°54 | 6° 8 | 11°20 | 27°20 | 19°50 | 20° 2 | 24°13 | 17°32 | 16°18 | 13°33 | n.a. | S 29 |
| M30 | 17 25 3 | 19♊47'49 | 0♓48 | 1♋18 | 0♌ 3 | 6♉47 | 11♈28 | 27♒19 | 19♐48 | 20♐ 1 | 24♎12 | 17♎28 | 16♎15 | 13♋40 | n.a. | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 18n39 | 14s13 | 4n58 | 11n56 | 1s20 | 25n43 | 1n52 | 6n36 | 0s31 | 1n31 | 1s12 | 14s59 | 2s17 | 23s57 | 0s21 | 23s15 | 0n20 | 0s48 | 9n39 | 7s38 | 7s 7 | 18n25 | | n.a. |
| M 2 | 18 54 | 10 42 | 4 27 | 12 42 | 1 7 | 25 45 | 1 52 | 6 52 | 0 30 | 1 36 | 1 12 | 14 58 | 2 18 | 23 57 | 0 21 | 23 15 | 0 20 | 0 48 | 9 38 | 7 38 | 7 5 | 18 24 | | n.a. |
| T 3 | 19 9 | 6 41 | 3 40 | 13 28 | 0 55 | 25 47 | 1 52 | 7 8 | 0 30 | 1 40 | 1 12 | 14 58 | 2 18 | 23 57 | 0 22 | 23 15 | 0 20 | 0 48 | 9 38 | 7 38 | 7 4 | 18 23 | | n.a. |
| W 4 | 19 23 | 2 23 | 2 42 | 14 14 | 0 42 | 25 47 | 1 52 | 7 24 | 0 29 | 1 45 | 1 12 | 14 57 | 2 18 | 23 57 | 0 22 | 23 15 | 0 20 | 0 47 | 9 38 | 7 38 | 7 3 | 18 23 | | n.a. |
| T 5 | 19 37 | 1n56 | 1 37 | 15 1 | 0 30 | 25 47 | 1 52 | 7 40 | 0 28 | 1 49 | 1 12 | 14 57 | 2 18 | 23 57 | 0 22 | 23 15 | 0 20 | 0 47 | 9 38 | 7 39 | 7 2 | 18 22 | | n.a. |
| F 6 | 19 50 | 6 6 | 0 28 | 15 47 | 0 18 | 25 46 | 1 52 | 7 56 | 0 28 | 1 54 | 1 12 | 14 56 | 2 19 | 23 57 | 0 22 | 23 15 | 0 20 | 0 47 | 9 37 | 7 39 | 7 0 | 18 21 | | n.a. |
| S 7 | 20 4 | 9 54 | 0s42 | 16 33 | 0 6 | 25 45 | 1 52 | 8 12 | 0 27 | 1 58 | 1 12 | 14 56 | 2 19 | 23 56 | 0 22 | 23 14 | 0 20 | 0 47 | 9 37 | 7 39 | 6 59 | 18 21 | | n.a. |
| S 8 | 20 17 | 13 13 | 1 48 | 17 19 | 0n 5 | 25 42 | 1 51 | 8 28 | 0 27 | 2 3 | 1 12 | 14 55 | 2 19 | 23 56 | 0 22 | 23 14 | 0 20 | 0 46 | 9 37 | 7 39 | 6 58 | 18 20 | | n.a. |
| M 9 | 20 29 | 15 53 | 2 47 | 18 4 | 0 16 | 25 39 | 1 51 | 8 44 | 0 26 | 2 7 | 1 13 | 14 55 | 2 20 | 23 56 | 0 22 | 23 14 | 0 20 | 0 46 | 9 36 | 7 37 | 6 57 | 18 20 | | n.a. |
| T 10 | 20 42 | 17 47 | 3 39 | 18 47 | 0 27 | 25 35 | 1 51 | 8 59 | 0 25 | 2 11 | 1 13 | 14 55 | 2 20 | 23 56 | 0 22 | 23 14 | 0 20 | 0 46 | 9 36 | 7 35 | 6 56 | 18 19 | | n.a. |
| W11 | 20 54 | 18 52 | 4 19 | 19 30 | 0 37 | 25 31 | 1 50 | 9 15 | 0 25 | 2 16 | 1 13 | 14 54 | 2 20 | 23 56 | 0 22 | 23 14 | 0 20 | 0 46 | 9 36 | 7 32 | 6 54 | 18 18 | | n.a. |
| T 12 | 21 5 | 19 6 | 4 48 | 20 10 | 0 47 | 25 25 | 1 49 | 9 30 | 0 24 | 2 20 | 1 13 | 14 54 | 2 20 | 23 56 | 0 22 | 23 14 | 0 20 | 0 46 | 9 36 | 7 29 | 6 53 | 18 18 | | n.a. |
| F 13 | 21 17 | 18 29 | 5 4 | 20 49 | 0 56 | 25 19 | 1 49 | 9 45 | 0 23 | 2 24 | 1 13 | 14 54 | 2 21 | 23 56 | 0 22 | 23 14 | 0 20 | 0 46 | 9 35 | 7 26 | 6 52 | 18 17 | | n.a. |
| S 14 | 21 28 | 17 3 | 5 7 | 21 26 | 1 4 | 25 13 | 1 48 | 10 1 | 0 23 | 2 28 | 1 13 | 14 54 | 2 21 | 23 55 | 0 22 | 23 14 | 0 20 | 0 46 | 9 35 | 7 23 | 6 51 | 18 16 | | n.a. |
| S 15 | 21 38 | 14 54 | 4 57 | 22 1 | 1 12 | 25 5 | 1 47 | 10 16 | 0 22 | 2 32 | 1 13 | 14 53 | 2 21 | 23 55 | 0 22 | 23 14 | 0 20 | 0 45 | 9 35 | 7 21 | 6 49 | 18 16 | | n.a. |
| M16 | 21 48 | 12 7 | 4 34 | 22 33 | 1 19 | 24 57 | 1 46 | 10 31 | 0 22 | 2 37 | 1 13 | 14 53 | 2 22 | 23 55 | 0 22 | 23 14 | 0 20 | 0 45 | 9 34 | 7 19 | 6 48 | 18 15 | | n.a. |
| T 17 | 21 58 | 8 48 | 3 58 | 23 3 | 1 25 | 24 48 | 1 45 | 10 46 | 0 21 | 2 41 | 1 13 | 14 53 | 2 22 | 23 55 | 0 22 | 23 13 | 0 20 | 0 45 | 9 34 | 7 18 | 6 47 | 18 14 | | n.a. |
| W18 | 22 8 | 5 3 | 3 11 | 23 31 | 1 31 | 24 38 | 1 43 | 11 1 | 0 20 | 2 45 | 1 14 | 14 53 | 2 22 | 23 55 | 0 22 | 23 13 | 0 20 | 0 45 | 9 34 | 7 18 | 6 46 | 18 14 | | n.a. |
| T 19 | 22 17 | 0 59 | 2 14 | 23 56 | 1 35 | 24 28 | 1 42 | 11 15 | 0 20 | 2 49 | 1 14 | 14 53 | 2 23 | 23 55 | 0 22 | 23 13 | 0 20 | 0 45 | 9 33 | 7 18 | 6 44 | 18 13 | | n.a. |
| F 20 | 22 25 | 3s14 | 1 9 | 24 18 | 1 40 | 24 17 | 1 41 | 11 30 | 0 19 | 2 52 | 1 14 | 14 53 | 2 23 | 23 54 | 0 22 | 23 13 | 0 20 | 0 45 | 9 33 | 7 19 | 6 43 | 18 12 | | n.a. |
| S 21 | 22 34 | 7 27 | 0n 2 | 24 37 | 1 43 | 24 5 | 1 39 | 11 45 | 0 18 | 2 56 | 1 14 | 14 53 | 2 23 | 23 54 | 0 22 | 23 13 | 0 20 | 0 45 | 9 33 | 7 19 | 6 42 | 18 11 | | n.a. |
| S 22 | 22 42 | 11 25 | 1 16 | 24 54 | 1 46 | 23 53 | 1 37 | 11 59 | 0 18 | 3 0 | 1 14 | 14 53 | 2 24 | 23 54 | 0 22 | 23 13 | 0 20 | 0 45 | 9 32 | 7 18 | 6 41 | 18 11 | | n.a. |
| M23 | 22 49 | 14 51 | 2 27 | 25 8 | 1 48 | 23 40 | 1 36 | 12 14 | 0 17 | 3 4 | 1 14 | 14 53 | 2 24 | 23 54 | 0 22 | 23 13 | 0 20 | 0 45 | 9 32 | 7 17 | 6 39 | 18 10 | | n.a. |
| T 24 | 22 56 | 17 27 | 3 30 | 25 20 | 1 49 | 23 27 | 1 34 | 12 28 | 0 16 | 3 8 | 1 14 | 14 54 | 2 24 | 23 54 | 0 22 | 23 13 | 0 20 | 0 45 | 9 32 | 7 15 | 6 38 | 18 9 | | n.a. |
| W25 | 23 3 | 18 54 | 4 20 | 25 29 | 1 50 | 23 12 | 1 32 | 12 42 | 0 16 | 3 11 | 1 14 | 14 54 | 2 24 | 23 54 | 0 22 | 23 13 | 0 20 | 0 45 | 9 31 | 7 13 | 6 37 | 18 9 | | n.a. |
| T 26 | 23 10 | 19 2 | 4 53 | 25 36 | 1 50 | 22 57 | 1 30 | 12 56 | 0 15 | 3 15 | 1 15 | 14 54 | 2 25 | 23 53 | 0 22 | 23 12 | 0 20 | 0 45 | 9 31 | 7 9 | 6 36 | 18 8 | | n.a. |
| F 27 | 23 15 | 17 48 | 5 4 | 25 40 | 1 50 | 22 42 | 1 28 | 13 10 | 0 14 | 3 18 | 1 15 | 14 54 | 2 25 | 23 53 | 0 22 | 23 12 | 0 20 | 0 45 | 9 31 | 7 6 | 6 34 | 18 7 | | n.a. |
| S 28 | 23 21 | 15 21 | 4 55 | 25 42 | 1 49 | 22 26 | 1 26 | 13 24 | 0 14 | 3 22 | 1 15 | 14 55 | 2 25 | 23 53 | 0 22 | 23 12 | 0 20 | 0 45 | 9 30 | 7 3 | 6 33 | 18 7 | | n.a. |
| S 29 | 23 26 | 11 58 | 4 27 | 25 42 | 1 47 | 22 9 | 1 24 | 13 37 | 0 13 | 3 25 | 1 15 | 14 55 | 2 26 | 23 53 | 0 22 | 23 12 | 0 20 | 0 45 | 9 30 | 7 1 | 6 32 | 18 6 | | n.a. |
| M30 | 23n31 | 7s57 | 3n42 | 25n40 | 1n45 | 21n52 | 1n21 | 13n51 | 0s12 | 3n29 | 1s15 | 14s55 | 2s26 | 23s53 | 0s22 | 23s12 | 0n20 | 0s45 | 9n30 | 6s59 | 6s31 | 18n 5 | | n.a. |

Julian Day Number = 1008971.5, Delta T = 12h42m16s
Ecliptic obliquity = 23°55'00, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'04, Lahiri = -30°51'03 Julian Calendar 1 June 1951 BCE == Greg. Calendar 15 May 1951 BCE


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## JULY 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 17 28 59 | 20♊45'28 | 14♓39 | 3♋ 7 | 1♌13 | 7♉25 | 11♈37 | 27°R19 | 19°R46 | 19°R59 | 24°R11 | 17°R27 | 16♎11 | 13♋47 | n.a. | T 1 |
| W 2 | 17 32 56 | 21°43'08 | 28° 6 | 4°54 | 2°22 | 8° 4 | 11°46 | 27♒18 | 19♐43 | 19♐57 | 24♎11 | 17°D27 | 16° 8 | 13°54 | n.a. | W 2 |
| T 3 | 17 36 53 | 22°40'50 | 11♈10 | 6°41 | 3°31 | 8°42 | 11°54 | 27°18 | 19°41 | 19°56 | 24°10 | 17°R27 | 16° 5 | 14° 0 | n.a. | T 3 |
| F 4 | 17 40 49 | 23°38'34 | 23°56 | 8°26 | 4°41 | 9°21 | 12° 3 | 27°17 | 19°39 | 19°54 | 24° 9 | 17♎27 | 16° 2 | 14° 7 | n.a. | F 4 |
| S 5 | 17 44 46 | 24°36'20 | 6♉26 | 10° 9 | 5°50 | 9°59 | 12°11 | 27°16 | 19°36 | 19°52 | 24° 9 | 17°25 | 15°59 | 14°14 | n.a. | S 5 |
| S 6 | 17 48 42 | 25°34'07 | 18°45 | 11°51 | 6°59 | 10°37 | 12°19 | 27°15 | 19°34 | 19°51 | 24° 8 | 17°21 | 15°56 | 14°20 | n.a. | S 6 |
| M 7 | 17 52 39 | 26°31'57 | 0♊54 | 13°32 | 8° 8 | 11°15 | 12°27 | 27°14 | 19°31 | 19°49 | 24° 8 | 17°15 | 15°52 | 14°27 | n.a. | M 7 |
| T 8 | 17 56 35 | 27°29'48 | 12°57 | 15°11 | 9°17 | 11°54 | 12°35 | 27°13 | 19°29 | 19°48 | 24° 7 | 17° 5 | 15°49 | 14°34 | n.a. | T 8 |
| W 9 | 18 0 32 | 28°27'41 | 24°55 | 16°49 | 10°26 | 12°32 | 12°42 | 27°12 | 19°27 | 19°46 | 24° 7 | 16°53 | 15°46 | 14°41 | n.a. | W 9 |
| T 10 | 18 4 28 | 29°25'36 | 6♋49 | 18°25 | 11°34 | 13°10 | 12°50 | 27°11 | 19°24 | 19°44 | 24° 6 | 16°40 | 15°43 | 14°47 | n.a. | T 10 |
| F 11 | 18 8 25 | 0♋23'32 | 18°41 | 20° 0 | 12°43 | 13°48 | 12°57 | 27° 9 | 19°22 | 19°43 | 24° 6 | 16°27 | 15°40 | 14°54 | n.a. | F 11 |
| S 12 | 18 12 22 | 1°21'30 | 0♌32 | 21°34 | 13°51 | 14°26 | 13° 5 | 27° 8 | 19°20 | 19°41 | 24° 6 | 16°15 | 15°37 | 15° 1 | n.a. | S 12 |
| S 13 | 18 16 18 | 2°19'30 | 12°25 | 23° 6 | 15° 0 | 15° 3 | 13°12 | 27° 6 | 19°17 | 19°40 | 24° 5 | 16° 4 | 15°33 | 15° 7 | n.a. | S 13 |
| M14 | 18 20 15 | 3°17'31 | 24°22 | 24°37 | 16° 8 | 15°41 | 13°19 | 27° 4 | 19°15 | 19°38 | 24° 5 | 15°56 | 15°30 | 15°14 | n.a. | M14 |
| T 15 | 18 24 11 | 4°15'34 | 6♍25 | 26° 7 | 17°16 | 16°19 | 13°26 | 27° 2 | 19°13 | 19°36 | 24° 5 | 15°50 | 15°27 | 15°21 | n.a. | T 15 |
| W16 | 18 28 8 | 5°13'39 | 18°39 | 27°35 | 18°24 | 16°56 | 13°32 | 27° 0 | 19°10 | 19°35 | 24° 4 | 15°47 | 15°24 | 15°28 | n.a. | W16 |
| T 17 | 18 32 4 | 6°11'45 | 1♎ 9 | 29° 2 | 19°32 | 17°34 | 13°39 | 26°58 | 19° 8 | 19°33 | 24° 4 | 15°46 | 15°21 | 15°34 | n.a. | T 17 |
| F 18 | 18 36 1 | 7° 9'52 | 13°59 | 0♌27 | 20°40 | 18°11 | 13°45 | 26°56 | 19° 6 | 19°32 | 24° 4 | 15°46 | 15°17 | 15°41 | n.a. | F 18 |
| S 19 | 18 39 57 | 8° 8'02 | 27°13 | 1°51 | 21°48 | 18°49 | 13°51 | 26°54 | 19° 4 | 19°30 | 24° 4 | 15°46 | 15°14 | 15°48 | n.a. | S 19 |
| S 20 | 18 43 54 | 9° 6'13 | 10♏56 | 3°14 | 22°55 | 19°26 | 13°57 | 26°52 | 19° 2 | 19°29 | 24° 4 | 15°44 | 15°11 | 15°55 | n.a. | S 20 |
| M21 | 18 47 51 | 10° 4'25 | 25° 8 | 4°34 | 24° 3 | 20° 3 | 14° 3 | 26°49 | 18°59 | 19°27 | 24° 4 | 15°40 | 15° 8 | 16° 1 | n.a. | M21 |
| T 22 | 18 51 47 | 11° 2'40 | 9♐47 | 5°54 | 25°10 | 20°41 | 14° 9 | 26°47 | 18°57 | 19°26 | 24° 4 | 15°34 | 15° 5 | 16° 8 | n.a. | T 22 |
| W23 | 18 55 44 | 12° 0'56 | 24°51 | 7°12 | 26°17 | 21°18 | 14°14 | 26°44 | 18°55 | 19°24 | 24°D 4 | 15°25 | 15° 2 | 16°15 | n.a. | W23 |
| T 24 | 18 59 40 | 12°59'14 | 10♑ 8 | 8°28 | 27°24 | 21°55 | 14°20 | 26°41 | 18°53 | 19°23 | 24° 4 | 15°14 | 14°58 | 16°21 | n.a. | T 24 |
| F 25 | 19 3 37 | 13°57'34 | 25°29 | 9°42 | 28°31 | 22°32 | 14°25 | 26°38 | 18°51 | 19°21 | 24° 4 | 15° 3 | 14°55 | 16°28 | n.a. | F 25 |
| S 26 | 19 7 33 | 14°55'56 | 10♒42 | 10°55 | 29°37 | 23° 9 | 14°30 | 26°36 | 18°49 | 19°20 | 24° 4 | 14°53 | 14°52 | 16°35 | n.a. | S 26 |
| S 27 | 19 11 30 | 15°54'21 | 25°37 | 12° 6 | 0♍44 | 23°46 | 14°35 | 26°33 | 18°47 | 19°18 | 24° 4 | 14°45 | 14°49 | 16°42 | n.a. | S 27 |
| M28 | 19 15 26 | 16°52'47 | 10♓ 6 | 13°15 | 1°50 | 24°22 | 14°40 | 26°30 | 18°45 | 19°17 | 24° 4 | 14°40 | 14°46 | 16°48 | n.a. | M28 |
| T 29 | 19 19 23 | 17°51'16 | 24° 6 | 14°21 | 2°56 | 24°59 | 14°44 | 26°26 | 18°43 | 19°16 | 24° 4 | 14°37 | 14°43 | 16°55 | n.a. | T 29 |
| W30 | 19 23 19 | 18°49'47 | 7♈37 | 15°26 | 4° 2 | 25°36 | 14°48 | 26°23 | 18°41 | 19°14 | 24° 4 | 14°36 | 14°39 | 17° 2 | n.a. | W30 |
| T 31 | 19 27 16 | 19♋48'21 | 20♈42 | 16♌28 | 5♍ 8 | 26♉12 | 14♈53 | 26♒20 | 18♐39 | 19♐13 | 24♎ 5 | 14♎36 | 14♎36 | 17♋ 9 | n.a. | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| T 1 | 23n35 | 3s37 | 2n46 | 25n35 | 1n43 | 21n34 | 1n19 | 14n 5 | 0s12 | 3n32 | 1s15 | 14s56 | 2s26 | 23s53 | 0s22 | 23s12 | 0n20 | 0s45 | 9n29 | 6s59 | 6s29 | 18n 4 | | | n.a. |
| W 2 | 23 39 | 0n46 | 1 41 | 25 29 | 1 40 | 21 16 | 1 16 | 14 18 | 0 11 | 3 35 | 1 15 | 14 56 | 2 27 | 23 52 | 0 22 | 23 12 | 0 20 | 0 45 | 9 29 | 6 59 | 6 28 | 18 4 | | | n.a. |
| T 3 | 23 43 | 5 1 | 0 33 | 25 21 | 1 36 | 20 57 | 1 14 | 14 31 | 0 10 | 3 39 | 1 15 | 14 57 | 2 27 | 23 52 | 0 22 | 23 12 | 0 20 | 0 45 | 9 28 | 6 59 | 6 27 | 18 3 | | | n.a. |
| F 4 | 23 46 | 8 56 | 0s34 | 25 11 | 1 33 | 20 37 | 1 11 | 14 44 | 0 10 | 3 42 | 1 16 | 14 57 | 2 27 | 23 52 | 0 22 | 23 12 | 0 20 | 0 46 | 9 28 | 6 59 | 6 26 | 18 2 | | | n.a. |
| S 5 | 23 48 | 12 22 | 1 39 | 24 59 | 1 28 | 20 17 | 1 8 | 14 57 | 0 9 | 3 45 | 1 16 | 14 58 | 2 27 | 23 52 | 0 22 | 23 11 | 0 20 | 0 46 | 9 28 | 6 58 | 6 24 | 18 2 | | | n.a. |
| S 6 | 23 50 | 15 13 | 2 38 | 24 46 | 1 24 | 19 57 | 1 5 | 15 10 | 0 8 | 3 48 | 1 16 | 14 58 | 2 28 | 23 52 | 0 22 | 23 11 | 0 20 | 0 46 | 9 27 | 6 57 | 6 23 | 18 1 | | | n.a. |
| M 7 | 23 52 | 17 20 | 3 29 | 24 31 | 1 19 | 19 36 | 1 2 | 15 23 | 0 8 | 3 51 | 1 16 | 14 59 | 2 28 | 23 51 | 0 22 | 23 11 | 0 20 | 0 46 | 9 27 | 6 54 | 6 22 | 18 0 | | | n.a. |
| T 8 | 23 53 | 18 40 | 4 10 | 24 15 | 1 13 | 19 14 | 0 59 | 15 36 | 0 7 | 3 54 | 1 16 | 15 0 | 2 28 | 23 51 | 0 22 | 23 11 | 0 20 | 0 46 | 9 27 | 6 50 | 6 21 | 17 59 | | | n.a. |
| W 9 | 23 54 | 19 10 | 4 39 | 23 57 | 1 8 | 18 52 | 0 56 | 15 48 | 0 6 | 3 57 | 1 16 | 15 0 | 2 29 | 23 51 | 0 22 | 23 11 | 0 20 | 0 46 | 9 26 | 6 46 | 6 19 | 17 59 | | | n.a. |
| T 10 | 23 55 | 18 48 | 4 56 | 23 38 | 1 2 | 18 30 | 0 52 | 16 1 | 0 5 | 4 0 | 1 16 | 15 1 | 2 29 | 23 51 | 0 22 | 23 11 | 0 20 | 0 47 | 9 26 | 6 41 | 6 18 | 17 58 | | | n.a. |
| F 11 | 23 55 | 17 37 | 5 1 | 23 18 | 0 55 | 18 7 | 0 49 | 16 13 | 0 5 | 4 3 | 1 17 | 15 2 | 2 29 | 23 51 | 0 22 | 23 11 | 0 20 | 0 47 | 9 25 | 6 36 | 6 17 | 17 57 | | | n.a. |
| S 12 | 23 55 | 15 41 | 4 52 | 22 57 | 0 49 | 17 43 | 0 46 | 16 25 | 0 4 | 4 5 | 1 17 | 15 3 | 2 29 | 23 51 | 0 22 | 23 11 | 0 20 | 0 47 | 9 25 | 6 31 | 6 16 | 17 56 | | | n.a. |
| S 13 | 23 54 | 13 6 | 4 30 | 22 35 | 0 42 | 17 20 | 0 42 | 16 37 | 0 3 | 4 8 | 1 17 | 15 4 | 2 30 | 23 50 | 0 22 | 23 11 | 0 20 | 0 47 | 9 25 | 6 26 | 6 14 | 17 56 | | | n.a. |
| M14 | 23 52 | 9 57 | 3 57 | 22 12 | 0 35 | 16 56 | 0 38 | 16 49 | 0 2 | 4 11 | 1 17 | 15 4 | 2 30 | 23 50 | 0 22 | 23 10 | 0 20 | 0 48 | 9 24 | 6 23 | 6 13 | 17 55 | | | n.a. |
| T 15 | 23 51 | 6 22 | 3 12 | 21 48 | 0 28 | 16 31 | 0 35 | 17 1 | 0 2 | 4 13 | 1 17 | 15 5 | 2 30 | 23 50 | 0 22 | 23 10 | 0 20 | 0 48 | 9 24 | 6 21 | 6 12 | 17 54 | | | n.a. |
| W16 | 23 49 | 2 28 | 2 18 | 21 23 | 0 20 | 16 6 | 0 31 | 17 13 | 0 1 | 4 16 | 1 17 | 15 6 | 2 31 | 23 50 | 0 22 | 23 10 | 0 20 | 0 48 | 9 23 | 6 20 | 6 11 | 17 53 | | | n.a. |
| T 17 | 23 46 | 1s38 | 1 17 | 20 58 | 0 12 | 15 41 | 0 27 | 17 24 | 0 0 | 4 18 | 1 18 | 15 7 | 2 31 | 23 50 | 0 22 | 23 10 | 0 20 | 0 48 | 9 23 | 6 20 | 6 9 | 17 53 | | | n.a. |
| F 18 | 23 43 | 5 46 | 0 9 | 20 32 | 0 4 | 15 15 | 0 23 | 17 36 | 0n 0 | 4 20 | 1 18 | 15 8 | 2 31 | 23 49 | 0 22 | 23 10 | 0 20 | 0 49 | 9 23 | 6 20 | 6 8 | 17 52 | | | n.a. |
| S 19 | 23 40 | 9 45 | 1n 0 | 20 5 | 0s 4 | 14 49 | 0 19 | 17 47 | 0 1 | 4 23 | 1 18 | 15 9 | 2 31 | 23 49 | 0 22 | 23 10 | 0 20 | 0 49 | 9 22 | 6 20 | 6 7 | 17 51 | | | n.a. |
| S 20 | 23 36 | 13 22 | 2 9 | 19 38 | 0 12 | 14 23 | 0 15 | 17 58 | 0 2 | 4 25 | 1 18 | 15 10 | 2 32 | 23 49 | 0 22 | 23 10 | 0 20 | 0 49 | 9 22 | 6 19 | 6 6 | 17 50 | | | n.a. |
| M21 | 23 31 | 16 20 | 3 12 | 19 10 | 0 20 | 13 56 | 0 11 | 18 9 | 0 3 | 4 27 | 1 18 | 15 11 | 2 32 | 23 49 | 0 22 | 23 10 | 0 20 | 0 50 | 9 21 | 6 17 | 6 4 | 17 50 | | | n.a. |
| T 22 | 23 27 | 18 20 | 4 4 | 18 42 | 0 29 | 13 29 | 0 6 | 18 20 | 0 4 | 4 29 | 1 18 | 15 13 | 2 32 | 23 49 | 0 22 | 23 10 | 0 20 | 0 50 | 9 21 | 6 15 | 6 3 | 17 49 | | | n.a. |
| W23 | 23 22 | 19 8 | 4 41 | 18 14 | 0 38 | 13 2 | 0 2 | 18 31 | 0 4 | 4 31 | 1 19 | 15 14 | 2 32 | 23 48 | 0 22 | 23 9 | 0 20 | 0 50 | 9 21 | 6 11 | 6 2 | 17 48 | | | n.a. |
| T 24 | 23 16 | 18 33 | 4 59 | 17 46 | 0 46 | 12 35 | 0s 2 | 18 41 | 0 5 | 4 33 | 1 19 | 15 15 | 2 33 | 23 48 | 0 22 | 23 9 | 0 20 | 0 51 | 9 20 | 6 7 | 6 1 | 17 47 | | | n.a. |
| F 25 | 23 10 | 16 38 | 4 55 | 17 17 | 0 55 | 12 7 | 0 7 | 18 52 | 0 6 | 4 35 | 1 19 | 15 16 | 2 33 | 23 48 | 0 22 | 23 9 | 0 20 | 0 51 | 9 20 | 6 3 | 5 59 | 17 46 | | | n.a. |
| S 26 | 23 4 | 13 34 | 4 31 | 16 49 | 1 4 | 11 39 | 0 12 | 19 2 | 0 7 | 4 37 | 1 19 | 15 17 | 2 33 | 23 48 | 0 22 | 23 9 | 0 20 | 0 52 | 9 19 | 5 59 | 5 58 | 17 46 | | | n.a. |
| S 27 | 22 57 | 9 40 | 3 48 | 16 20 | 1 13 | 11 11 | 0 16 | 19 12 | 0 7 | 4 39 | 1 19 | 15 19 | 2 33 | 23 48 | 0 22 | 23 9 | 0 20 | 0 52 | 9 19 | 5 56 | 5 57 | 17 45 | | | n.a. |
| M28 | 22 50 | 5 18 | 2 51 | 15 52 | 1 23 | 10 42 | 0 21 | 19 22 | 0 8 | 4 40 | 1 19 | 15 20 | 2 34 | 23 48 | 0 22 | 23 9 | 0 20 | 0 52 | 9 19 | 5 53 | 5 56 | 17 44 | | | n.a. |
| T 29 | 22 42 | 0 46 | 1 46 | 15 23 | 1 32 | 10 14 | 0 26 | 19 32 | 0 9 | 4 42 | 1 20 | 15 21 | 2 34 | 23 47 | 0 22 | 23 9 | 0 19 | 0 53 | 9 18 | 5 52 | 5 54 | 17 43 | | | n.a. |
| W30 | 22 34 | 3n39 | 0 37 | 14 56 | 1 41 | 9 45 | 0 31 | 19 42 | 0 10 | 4 43 | 1 20 | 15 23 | 2 34 | 23 47 | 0 22 | 23 9 | 0 19 | 0 53 | 9 18 | 5 52 | 5 53 | 17 42 | | | n.a. |
| T 31 | 22n25 | 7n45 | 0s32 | 14n28 | 1s50 | 9n16 | 0s36 | 19n52 | 0n11 | 4n45 | 1s20 | 15s24 | 2s34 | 23s47 | 0s22 | 23s 9 | 0n19 | 0s54 | 9n17 | 5s52 | 5s52 | 17n42 | | | n.a. |

Julian Day Number = 1009001.5, Delta T = 12h42m14s
Ecliptic obliquity = 23°54'59, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°58'00, Lahiri = -30°50'59 Julian Calendar 1 July 1951 BCE == Greg. Calendar 14 June 1951 BCE

The year -1950 astronomical counting style corresponds to year 1951 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## AUGUST 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 19 31 13 | 20♋46'56 | 3♉25 | 17♌28 | 6♍14 | 26♉49 | 14♈57 | 26°R17 | 18°R37 | 19°R12 | 24♎ 5 | 14°R35 | 14♎33 | 17♋15 | n.a. | F 1 |
| S 2 | 19 35 9 | 21°45'35 | 15°49 | 18°25 | 7°19 | 27°25 | 15° 0 | 26♒13 | 18♐35 | 19♐10 | 24° 5 | 14♎34 | 14°30 | 17°22 | n.a. | S 2 |
| S 3 | 19 39 6 | 22°44'15 | 28° 1 | 19°19 | 8°25 | 28° 2 | 15° 4 | 26° 9 | 18°33 | 19° 9 | 24° 6 | 14°29 | 14°27 | 17°29 | n.a. | S 3 |
| M 4 | 19 43 2 | 23°42'59 | 10♊ 3 | 20°11 | 9°30 | 28°38 | 15° 8 | 26° 6 | 18°31 | 19° 8 | 24° 6 | 14°22 | 14°23 | 17°35 | n.a. | M 4 |
| T 5 | 19 46 59 | 24°41'44 | 21°59 | 20°59 | 10°35 | 29°14 | 15°11 | 26° 2 | 18°29 | 19° 6 | 24° 6 | 14°12 | 14°20 | 17°42 | n.a. | T 5 |
| W 6 | 19 50 55 | 25°40'32 | 3♋52 | 21°44 | 11°39 | 29°50 | 15°14 | 25°58 | 18°28 | 19° 5 | 24° 7 | 14° 0 | 14°17 | 17°49 | n.a. | W 6 |
| T 7 | 19 54 52 | 26°39'22 | 15°44 | 22°24 | 12°44 | 0♊26 | 15°17 | 25°55 | 18°26 | 19° 4 | 24° 7 | 13°46 | 14°14 | 17°56 | n.a. | T 7 |
| F 8 | 19 58 48 | 27°38'14 | 27°36 | 23° 1 | 13°48 | 1° 2 | 15°20 | 25°51 | 18°24 | 19° 3 | 24° 8 | 13°32 | 14°11 | 18° 2 | n.a. | F 8 |
| S 9 | 20 2 45 | 28°37'08 | 9♌30 | 23°34 | 14°52 | 1°38 | 15°22 | 25°47 | 18°23 | 19° 2 | 24° 8 | 13°19 | 14° 8 | 18° 9 | n.a. | S 9 |
| S 10 | 20 6 42 | 29°36'05 | 21°28 | 24° 1 | 15°56 | 2°14 | 15°24 | 25°43 | 18°21 | 19° 0 | 24° 9 | 13° 8 | 14° 4 | 18°16 | n.a. | S 10 |
| M11 | 20 10 38 | 0♌35'03 | 3♍30 | 24°24 | 17° 0 | 2°49 | 15°26 | 25°39 | 18°19 | 18°59 | 24° 9 | 12°59 | 14° 1 | 18°23 | n.a. | M11 |
| T 12 | 20 14 35 | 1°34'04 | 15°39 | 24°41 | 18° 3 | 3°25 | 15°28 | 25°34 | 18°18 | 18°58 | 24°10 | 12°53 | 13°58 | 18°29 | n.a. | T 12 |
| W13 | 20 18 31 | 2°33'07 | 27°58 | 24°52 | 19° 6 | 4° 0 | 15°30 | 25°30 | 18°16 | 18°57 | 24°11 | 12°50 | 13°55 | 18°36 | n.a. | W13 |
| T 14 | 20 22 28 | 3°32'11 | 10♎30 | 24°R57 | 20° 9 | 4°36 | 15°32 | 25°26 | 18°15 | 18°56 | 24°11 | 12°D49 | 13°52 | 18°43 | n.a. | T 14 |
| F 15 | 20 26 24 | 4°31'18 | 23°19 | 24°55 | 21°12 | 5°11 | 15°33 | 25°22 | 18°13 | 18°55 | 24°12 | 12°49 | 13°48 | 18°49 | n.a. | F 15 |
| S 16 | 20 30 21 | 5°30'26 | 6♏29 | 24°46 | 22°14 | 5°46 | 15°34 | 25°17 | 18°12 | 18°54 | 24°13 | 12°R49 | 13°45 | 18°56 | n.a. | S 16 |
| S 17 | 20 34 17 | 6°29'37 | 20° 3 | 24°29 | 23°16 | 6°22 | 15°35 | 25°13 | 18°11 | 18°53 | 24°14 | 12°49 | 13°42 | 19° 3 | n.a. | S 17 |
| M18 | 20 38 14 | 7°28'49 | 4♐ 3 | 24° 5 | 24°18 | 6°57 | 15°36 | 25° 8 | 18° 9 | 18°52 | 24°15 | 12°46 | 13°39 | 19°10 | n.a. | M18 |
| T 19 | 20 42 10 | 8°28'03 | 18°30 | 23°34 | 25°19 | 7°32 | 15°36 | 25° 4 | 18° 8 | 18°51 | 24°15 | 12°41 | 13°36 | 19°16 | n.a. | T 19 |
| W20 | 20 46 7 | 9°27'20 | 3♑20 | 22°54 | 26°20 | 8° 7 | 15°37 | 24°59 | 18° 7 | 18°50 | 24°16 | 12°33 | 13°33 | 19°23 | n.a. | W20 |
| T 21 | 20 50 4 | 10°26'38 | 18°28 | 22° 7 | 27°21 | 8°41 | 15°R37 | 24°55 | 18° 6 | 18°49 | 24°17 | 12°25 | 13°29 | 19°30 | n.a. | T 21 |
| F 22 | 20 54 0 | 11°25'59 | 3♒43 | 21°13 | 28°21 | 9°16 | 15°37 | 24°50 | 18° 5 | 18°49 | 24°18 | 12°15 | 13°26 | 19°37 | n.a. | F 22 |
| S 23 | 20 57 57 | 12°25'21 | 18°55 | 20°13 | 29°22 | 9°51 | 15°37 | 24°46 | 18° 4 | 18°48 | 24°19 | 12° 6 | 13°23 | 19°43 | n.a. | S 23 |
| S 24 | 21 1 53 | 13°24'46 | 3♓53 | 19° 8 | 0♎21 | 10°25 | 15°36 | 24°41 | 18° 2 | 18°47 | 24°20 | 12° 0 | 13°20 | 19°50 | n.a. | S 24 |
| M25 | 21 5 50 | 14°24'13 | 18°28 | 17°59 | 1°20 | 10°59 | 15°35 | 24°36 | 18° 1 | 18°46 | 24°21 | 11°55 | 13°17 | 19°57 | n.a. | M25 |
| T 26 | 21 9 46 | 15°23'42 | 2♈36 | 16°48 | 2°19 | 11°34 | 15°35 | 24°31 | 18° 1 | 18°45 | 24°22 | 11°53 | 13°14 | 20° 3 | n.a. | T 26 |
| W27 | 21 13 43 | 16°23'14 | 16°16 | 15°36 | 3°18 | 12° 8 | 15°34 | 24°27 | 18° 0 | 18°45 | 24°23 | 11°D52 | 13°10 | 20°10 | n.a. | W27 |
| T 28 | 21 17 39 | 17°22'49 | 29°27 | 14°27 | 4°16 | 12°42 | 15°32 | 24°22 | 17°59 | 18°44 | 24°25 | 11°53 | 13° 7 | 20°17 | n.a. | T 28 |
| F 29 | 21 21 36 | 18°22'26 | 12♉14 | 13°21 | 5°14 | 13°16 | 15°31 | 24°17 | 17°58 | 18°43 | 24°26 | 11°54 | 13° 4 | 20°24 | n.a. | F 29 |
| S 30 | 21 25 32 | 19°22'05 | 24°40 | 12°20 | 6°11 | 13°50 | 15°29 | 24°12 | 17°57 | 18°43 | 24°27 | 11°R54 | 13° 1 | 20°30 | n.a. | S 30 |
| S 31 | 21 29 29 | 20♌21'47 | 6♊51 | 11♌27 | 7♎ 7 | 14♊24 | 15♈27 | 24♒ 7 | 17♐56 | 18♐42 | 24♎28 | 11♎52 | 12♎58 | 20♋37 | n.a. | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n16 | 11n22 | 1s38 | 14n 1 | 1s59 | 8n47 | 0s41 | 20n 1 | 0n11 | 4n46 | 1s20 | 15s25 | 2s35 | 23s47 | 0s22 | 23s 9 | 0n19 | 0s54 | 9n17 | 5s52 | 5s51 | 17n41 | | n.a. |
| S 2 | 22 7 | 14 24 | 2 37 | 13 35 | 2 8 | 8 17 | 0 46 | 20 10 | 0 12 | 4 48 | 1 20 | 15 27 | 2 35 | 23 47 | 0 22 | 23 9 | 0 19 | 0 55 | 9 17 | 5 51 | 5 49 | 17 40 | | n.a. |
| S 3 | 21 57 | 16 44 | 3 28 | 13 9 | 2 17 | 7 48 | 0 51 | 20 20 | 0 13 | 4 49 | 1 20 | 15 28 | 2 35 | 23 47 | 0 22 | 23 8 | 0 19 | 0 55 | 9 16 | 5 49 | 5 48 | 17 39 | | n.a. |
| M 4 | 21 47 | 18 18 | 4 9 | 12 44 | 2 26 | 7 18 | 0 56 | 20 29 | 0 14 | 4 50 | 1 21 | 15 30 | 2 35 | 23 46 | 0 22 | 23 8 | 0 19 | 0 56 | 9 16 | 5 46 | 5 47 | 17 38 | | n.a. |
| T 5 | 21 37 | 19 2 | 4 38 | 12 21 | 2 35 | 6 48 | 1 1 | 20 37 | 0 15 | 4 51 | 1 21 | 15 31 | 2 35 | 23 46 | 0 22 | 23 8 | 0 19 | 0 56 | 9 15 | 5 43 | 5 46 | 17 38 | | n.a. |
| W 6 | 21 26 | 18 56 | 4 56 | 11 58 | 2 43 | 6 19 | 1 6 | 20 46 | 0 16 | 4 52 | 1 21 | 15 33 | 2 36 | 23 46 | 0 22 | 23 8 | 0 19 | 0 57 | 9 15 | 5 38 | 5 44 | 17 37 | | n.a. |
| T 7 | 21 15 | 18 0 | 5 0 | 11 37 | 2 52 | 5 49 | 1 12 | 20 55 | 0 16 | 4 53 | 1 21 | 15 34 | 2 36 | 23 46 | 0 22 | 23 8 | 0 19 | 0 57 | 9 15 | 5 32 | 5 43 | 17 36 | | n.a. |
| F 8 | 21 3 | 16 18 | 4 51 | 11 17 | 3 0 | 5 19 | 1 17 | 21 3 | 0 17 | 4 54 | 1 21 | 15 36 | 2 36 | 23 46 | 0 22 | 23 8 | 0 19 | 0 58 | 9 14 | 5 27 | 5 42 | 17 35 | | n.a. |
| S 9 | 20 51 | 13 54 | 4 30 | 10 59 | 3 7 | 4 49 | 1 22 | 21 12 | 0 18 | 4 55 | 1 22 | 15 37 | 2 36 | 23 46 | 0 22 | 23 8 | 0 19 | 0 58 | 9 14 | 5 22 | 5 41 | 17 34 | | n.a. |
| S 10 | 20 38 | 10 54 | 3 57 | 10 43 | 3 15 | 4 18 | 1 28 | 21 20 | 0 19 | 4 56 | 1 22 | 15 39 | 2 36 | 23 45 | 0 22 | 23 8 | 0 19 | 0 59 | 9 13 | 5 17 | 5 39 | 17 33 | | n.a. |
| M11 | 20 26 | 7 26 | 3 12 | 10 30 | 3 21 | 3 48 | 1 33 | 21 28 | 0 20 | 4 56 | 1 22 | 15 40 | 2 37 | 23 45 | 0 22 | 23 8 | 0 19 | 1 0 | 9 13 | 5 14 | 5 38 | 17 33 | | n.a. |
| T 12 | 20 12 | 3 38 | 2 19 | 10 18 | 3 28 | 3 18 | 1 39 | 21 36 | 0 21 | 4 57 | 1 22 | 15 42 | 2 37 | 23 45 | 0 22 | 23 8 | 0 19 | 1 0 | 9 13 | 5 11 | 5 37 | 17 32 | | n.a. |
| W13 | 19 59 | 0s22 | 1 18 | 10 9 | 3 33 | 2 48 | 1 44 | 21 43 | 0 21 | 4 58 | 1 22 | 15 44 | 2 37 | 23 45 | 0 22 | 23 8 | 0 19 | 1 1 | 9 12 | 5 10 | 5 36 | 17 31 | | n.a. |
| T 14 | 19 45 | 4 26 | 0 12 | 10 3 | 3 38 | 2 18 | 1 50 | 21 51 | 0 22 | 4 58 | 1 22 | 15 45 | 2 37 | 23 45 | 0 22 | 23 8 | 0 19 | 1 1 | 9 12 | 5 10 | 5 34 | 17 30 | | n.a. |
| F 15 | 19 31 | 8 23 | 0n56 | 10 0 | 3 41 | 1 47 | 1 56 | 21 58 | 0 23 | 4 58 | 1 23 | 15 47 | 2 37 | 23 45 | 0 22 | 23 8 | 0 19 | 1 2 | 9 11 | 5 10 | 5 33 | 17 29 | | n.a. |
| S 16 | 19 16 | 12 1 | 2 2 | 10 1 | 3 44 | 1 17 | 2 1 | 22 6 | 0 24 | 4 59 | 1 23 | 15 49 | 2 37 | 23 45 | 0 22 | 23 7 | 0 19 | 1 3 | 9 11 | 5 10 | 5 32 | 17 28 | | n.a. |
| S 17 | 19 1 | 15 9 | 3 5 | 10 5 | 3 46 | 0 47 | 2 7 | 22 13 | 0 25 | 4 59 | 1 23 | 15 50 | 2 38 | 23 45 | 0 22 | 23 7 | 0 19 | 1 3 | 9 11 | 5 9 | 5 31 | 17 28 | | n.a. |
| M18 | 18 46 | 17 29 | 3 58 | 10 13 | 3 46 | 0 17 | 2 13 | 22 20 | 0 26 | 4 59 | 1 23 | 15 52 | 2 38 | 23 44 | 0 22 | 23 7 | 0 19 | 1 4 | 9 10 | 5 8 | 5 29 | 17 27 | | n.a. |
| T 19 | 18 30 | 18 48 | 4 37 | 10 25 | 3 44 | 0s13 | 2 19 | 22 27 | 0 27 | 4 59 | 1 23 | 15 54 | 2 38 | 23 44 | 0 22 | 23 7 | 0 19 | 1 5 | 9 10 | 5 6 | 5 28 | 17 26 | | n.a. |
| W20 | 18 14 | 18 53 | 5 0 | 10 41 | 3 41 | 0 43 | 2 24 | 22 33 | 0 28 | 4 59 | 1 23 | 15 55 | 2 38 | 23 44 | 0 22 | 23 7 | 0 19 | 1 5 | 9 10 | 5 3 | 5 27 | 17 25 | | n.a. |
| T 21 | 17 58 | 17 38 | 5 2 | 11 1 | 3 36 | 1 13 | 2 30 | 22 40 | 0 29 | 4 59 | 1 24 | 15 57 | 2 38 | 23 44 | 0 22 | 23 7 | 0 19 | 1 6 | 9 9 | 5 0 | 5 26 | 17 24 | | n.a. |
| F 22 | 17 42 | 15 7 | 4 43 | 11 24 | 3 29 | 1 43 | 2 36 | 22 46 | 0 30 | 4 59 | 1 24 | 15 59 | 2 38 | 23 44 | 0 22 | 23 7 | 0 19 | 1 7 | 9 9 | 4 56 | 5 24 | 17 23 | | n.a. |
| S 23 | 17 25 | 11 36 | 4 4 | 11 52 | 3 20 | 2 12 | 2 42 | 22 52 | 0 31 | 4 59 | 1 24 | 16 0 | 2 38 | 23 44 | 0 22 | 23 7 | 0 19 | 1 8 | 9 8 | 4 53 | 5 23 | 17 22 | | n.a. |
| S 24 | 17 8 | 7 22 | 3 9 | 12 23 | 3 10 | 2 42 | 2 47 | 22 58 | 0 31 | 4 58 | 1 24 | 16 2 | 2 38 | 23 44 | 0 22 | 23 7 | 0 19 | 1 8 | 9 8 | 4 50 | 5 22 | 17 22 | | n.a. |
| M25 | 16 50 | 2 47 | 2 2 | 12 57 | 2 57 | 3 11 | 2 53 | 23 4 | 0 32 | 4 58 | 1 24 | 16 4 | 2 38 | 23 44 | 0 22 | 23 7 | 0 19 | 1 9 | 9 8 | 4 48 | 5 21 | 17 21 | | n.a. |
| T 26 | 16 32 | 1n49 | 0 49 | 13 33 | 2 42 | 3 40 | 2 59 | 23 10 | 0 33 | 4 57 | 1 24 | 16 6 | 2 39 | 23 44 | 0 22 | 23 7 | 0 19 | 1 10 | 9 7 | 4 47 | 5 19 | 17 20 | | n.a. |
| W27 | 16 14 | 6 9 | 0s24 | 14 10 | 2 25 | 4 9 | 3 5 | 23 16 | 0 34 | 4 57 | 1 25 | 16 7 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 10 | 9 7 | 4 47 | 5 18 | 17 19 | | n.a. |
| T 28 | 15 56 | 10 3 | 1 33 | 14 48 | 2 7 | 4 38 | 3 11 | 23 21 | 0 35 | 4 56 | 1 25 | 16 9 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 11 | 9 6 | 4 47 | 5 17 | 17 18 | | n.a. |
| F 29 | 15 37 | 13 21 | 2 36 | 15 25 | 1 48 | 5 7 | 3 16 | 23 27 | 0 36 | 4 55 | 1 25 | 16 11 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 12 | 9 6 | 4 48 | 5 16 | 17 17 | | n.a. |
| S 30 | 15 18 | 15 56 | 3 29 | 16 2 | 1 28 | 5 35 | 3 22 | 23 32 | 0 37 | 4 55 | 1 25 | 16 12 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 13 | 9 6 | 4 48 | 5 14 | 17 16 | | n.a. |
| S 31 | 14n59 | 17n45 | 4s12 | 16n36 | 1s 8 | 6s 3 | 3s28 | 23n37 | 0n38 | 4n54 | 1s25 | 16s14 | 2s39 | 23s43 | 0s22 | 23s 7 | 0n19 | 1s14 | 9n 5 | 4s47 | 5s13 | 17n16 | | n.a. |

Julian Day Number = 1009032.5, Delta T = 12h42m12s
Ecliptic obliquity = 23°54'59, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°57'56, Lahiri = -30°50'55 Julian Calendar 1 Aug. 1951 BCE == Greg. Calendar 15 July 1951 BCE

The year -1950 astronomical counting style corresponds to year 1951 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## SEPTEMBER 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 33 25 | 21♌21'31 | 18♊52 | 10°R43 | 8♎ 4 | 14♊57 | 15°R25 | 24°R 3 | 17°R56 | 18°R42 | 24♎29 | 11°R49 | 12♎54 | 20♋44 | n.a. | M 1 |
| T 2 | 21 37 22 | 22°21'18 | 0♋45 | 10♌ 9 | 8°59 | 15°31 | 15♈23 | 23♒58 | 17♐55 | 18♐41 | 24°31 | 11♎43 | 12°51 | 20°50 | n.a. | T 2 |
| W 3 | 21 41 19 | 23°21'07 | 12°37 | 9°46 | 9°55 | 16° 5 | 15°21 | 23°53 | 17°55 | 18°41 | 24°32 | 11°35 | 12°48 | 20°57 | n.a. | W 3 |
| T 4 | 21 45 15 | 24°20'58 | 24°29 | 9°33 | 10°49 | 16°38 | 15°18 | 23°48 | 17°54 | 18°40 | 24°33 | 11°26 | 12°45 | 21° 4 | n.a. | T 4 |
| F 5 | 21 49 12 | 25°20'52 | 6♌23 | 9°D32 | 11°43 | 17°11 | 15°15 | 23°43 | 17°54 | 18°40 | 24°35 | 11°17 | 12°42 | 21°11 | n.a. | F 5 |
| S 6 | 21 53 8 | 26°20'48 | 18°23 | 9°42 | 12°37 | 17°44 | 15°12 | 23°38 | 17°53 | 18°39 | 24°36 | 11° 8 | 12°39 | 21°17 | n.a. | S 6 |
| S 7 | 21 57 5 | 27°20'45 | 0♍29 | 10° 2 | 13°30 | 18°17 | 15° 9 | 23°33 | 17°53 | 18°39 | 24°38 | 11° 0 | 12°35 | 21°24 | n.a. | S 7 |
| M 8 | 22 1 1 | 28°20'45 | 12°43 | 10°33 | 14°22 | 18°50 | 15° 5 | 23°29 | 17°52 | 18°39 | 24°39 | 10°55 | 12°32 | 21°31 | n.a. | M 8 |
| T 9 | 22 4 58 | 29°20'47 | 25° 5 | 11°12 | 15°14 | 19°23 | 15° 2 | 23°24 | 17°52 | 18°38 | 24°40 | 10°51 | 12°29 | 21°38 | n.a. | T 9 |
| W10 | 22 8 54 | 0♍20'51 | 7♎37 | 12° 0 | 16° 5 | 19°55 | 14°58 | 23°19 | 17°52 | 18°38 | 24°42 | 10°D50 | 12°26 | 21°44 | n.a. | W10 |
| T 11 | 22 12 51 | 1°20'57 | 20°21 | 12°56 | 16°55 | 20°28 | 14°54 | 23°14 | 17°52 | 18°38 | 24°44 | 10°50 | 12°23 | 21°51 | n.a. | T 11 |
| F 12 | 22 16 47 | 2°21'05 | 3♏18 | 13°58 | 17°45 | 21° 0 | 14°50 | 23° 9 | 17°52 | 18°38 | 24°45 | 10°52 | 12°20 | 21°58 | n.a. | F 12 |
| S 13 | 22 20 44 | 3°21'14 | 16°32 | 15° 6 | 18°33 | 21°32 | 14°45 | 23° 5 | 17°51 | 18°38 | 24°47 | 10°53 | 12°16 | 22° 4 | n.a. | S 13 |
| S 14 | 22 24 41 | 4°21'26 | 0♐ 4 | 16°20 | 19°21 | 22° 5 | 14°41 | 23° 0 | 17°D51 | 18°38 | 24°48 | 10°R54 | 12°13 | 22°11 | n.a. | S 14 |
| M15 | 22 28 37 | 5°21'39 | 13°56 | 17°37 | 20° 8 | 22°36 | 14°36 | 22°55 | 17°51 | 18°37 | 24°50 | 10°54 | 12°10 | 22°18 | n.a. | M15 |
| T 16 | 22 32 34 | 6°21'54 | 28° 8 | 18°59 | 20°55 | 23° 8 | 14°31 | 22°51 | 17°51 | 18°37 | 24°52 | 10°52 | 12° 7 | 22°25 | n.a. | T 16 |
| W17 | 22 36 30 | 7°22'10 | 12♑39 | 20°24 | 21°40 | 23°40 | 14°26 | 22°46 | 17°52 | 18°D37 | 24°53 | 10°49 | 12° 4 | 22°31 | n.a. | W17 |
| T 18 | 22 40 27 | 8°22'28 | 27°23 | 21°51 | 22°24 | 24°11 | 14°21 | 22°42 | 17°52 | 18°37 | 24°55 | 10°45 | 12° 0 | 22°38 | n.a. | T 18 |
| F 19 | 22 44 23 | 9°22'48 | 12♒16 | 23°21 | 23° 8 | 24°43 | 14°15 | 22°37 | 17°52 | 18°37 | 24°57 | 10°40 | 11°57 | 22°45 | n.a. | F 19 |
| S 20 | 22 48 20 | 10°23'09 | 27° 9 | 24°52 | 23°50 | 25°14 | 14°10 | 22°32 | 17°52 | 18°38 | 24°58 | 10°35 | 11°54 | 22°51 | n.a. | S 20 |
| S 21 | 22 52 16 | 11°23'32 | 11♓54 | 26°25 | 24°31 | 25°45 | 14° 4 | 22°28 | 17°53 | 18°38 | 25° 0 | 10°32 | 11°51 | 22°58 | n.a. | S 21 |
| M22 | 22 56 13 | 12°23'57 | 26°22 | 27°59 | 25°11 | 26°16 | 13°58 | 22°24 | 17°53 | 18°38 | 25° 2 | 10°30 | 11°48 | 23° 5 | n.a. | M22 |
| T 23 | 23 0 10 | 13°24'24 | 10♈29 | 29°34 | 25°50 | 26°47 | 13°52 | 22°19 | 17°53 | 18°38 | 25° 4 | 10°D29 | 11°45 | 23°12 | n.a. | T 23 |
| W24 | 23 4 6 | 14°24'53 | 24°12 | 1♍10 | 26°28 | 27°17 | 13°46 | 22°15 | 17°54 | 18°38 | 25° 6 | 10°30 | 11°41 | 23°18 | n.a. | W24 |
| T 25 | 23 8 3 | 15°25'24 | 7♉28 | 2°46 | 27° 4 | 27°48 | 13°40 | 22°11 | 17°54 | 18°38 | 25° 7 | 10°31 | 11°38 | 23°25 | n.a. | T 25 |
| F 26 | 23 11 59 | 16°25'57 | 20°21 | 4°23 | 27°39 | 28°18 | 13°33 | 22° 7 | 17°55 | 18°39 | 25° 9 | 10°33 | 11°35 | 23°32 | n.a. | F 26 |
| S 27 | 23 15 56 | 17°26'32 | 2♊52 | 6° 0 | 28°13 | 28°48 | 13°27 | 22° 2 | 17°56 | 18°39 | 25°11 | 10°34 | 11°32 | 23°39 | n.a. | S 27 |
| S 28 | 23 19 52 | 18°27'09 | 15° 7 | 7°37 | 28°46 | 29°18 | 13°20 | 21°58 | 17°56 | 18°39 | 25°13 | 10°R35 | 11°29 | 23°45 | n.a. | S 28 |
| M29 | 23 23 49 | 19°27'47 | 27° 9 | 9°14 | 29°17 | 29°48 | 13°13 | 21°54 | 17°57 | 18°40 | 25°15 | 10°35 | 11°25 | 23°52 | n.a. | M29 |
| T 30 | 23 27 45 | 20♍28'28 | 9♋ 4 | 10♍51 | 29♎46 | 0♋18 | 13♈ 6 | 21♒50 | 17♐58 | 18♐40 | 25♎17 | 10♎33 | 11♎22 | 23♋59 | n.a. | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 14n40 | 18n44 | 4s43 | 17n 8 | 0s48 | 6s31 | 3s34 | 23n42 | 0n39 | 4n53 | 1s25 | 16s16 | 2s39 | 23s43 | 0s22 | 23s 7 | 0n19 | 1s14 | 9n 5 | 4s46 | 5s12 | 17n15 | | n.a. |
| T 2 | 14 20 | 18 53 | 5 1 | 17 36 | 0 28 | 6 59 | 3 39 | 23 47 | 0 40 | 4 52 | 1 26 | 16 18 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 15 | 9 5 | 4 43 | 5 10 | 17 14 | | n.a. |
| W 3 | 14 0 | 18 13 | 5 7 | 18 1 | 0 9 | 7 26 | 3 45 | 23 51 | 0 41 | 4 51 | 1 26 | 16 19 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 16 | 9 4 | 4 40 | 5 9 | 17 13 | | n.a. |
| T 4 | 13 40 | 16 45 | 4 59 | 18 21 | 0n 9 | 7 53 | 3 51 | 23 56 | 0 42 | 4 49 | 1 26 | 16 21 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 17 | 9 4 | 4 37 | 5 8 | 17 12 | | n.a. |
| F 5 | 13 20 | 14 33 | 4 38 | 18 38 | 0 26 | 8 20 | 3 56 | 24 0 | 0 43 | 4 48 | 1 26 | 16 23 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 18 | 9 4 | 4 33 | 5 7 | 17 11 | | n.a. |
| S 6 | 12 59 | 11 44 | 4 5 | 18 50 | 0 41 | 8 46 | 4 2 | 24 4 | 0 44 | 4 47 | 1 26 | 16 24 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 18 | 9 3 | 4 29 | 5 5 | 17 10 | | n.a. |
| S 7 | 12 38 | 8 24 | 3 21 | 18 58 | 0 56 | 9 13 | 4 7 | 24 8 | 0 45 | 4 45 | 1 26 | 16 26 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 19 | 9 3 | 4 26 | 5 4 | 17 9 | | n.a. |
| M 8 | 12 17 | 4 40 | 2 26 | 19 2 | 1 8 | 9 38 | 4 13 | 24 12 | 0 46 | 4 44 | 1 26 | 16 28 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 20 | 9 3 | 4 24 | 5 3 | 17 8 | | n.a. |
| T 9 | 11 56 | 0 42 | 1 25 | 19 2 | 1 20 | 10 4 | 4 18 | 24 16 | 0 47 | 4 42 | 1 27 | 16 29 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 21 | 9 2 | 4 23 | 5 2 | 17 7 | | n.a. |
| W10 | 11 34 | 3s21 | 0 18 | 18 58 | 1 30 | 10 29 | 4 23 | 24 20 | 0 48 | 4 41 | 1 27 | 16 31 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 22 | 9 2 | 4 22 | 5 0 | 17 7 | | n.a. |
| T 11 | 11 12 | 7 19 | 0n52 | 18 50 | 1 38 | 10 54 | 4 29 | 24 23 | 0 49 | 4 39 | 1 27 | 16 33 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 23 | 9 2 | 4 22 | 4 59 | 17 6 | | n.a. |
| F 12 | 10 51 | 11 0 | 1 59 | 18 38 | 1 45 | 11 18 | 4 34 | 24 27 | 0 51 | 4 37 | 1 27 | 16 34 | 2 39 | 23 43 | 0 22 | 23 7 | 0 19 | 1 24 | 9 1 | 4 23 | 4 58 | 17 5 | | n.a. |
| S 13 | 10 29 | 14 12 | 3 2 | 18 24 | 1 51 | 11 42 | 4 39 | 24 30 | 0 52 | 4 36 | 1 27 | 16 36 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 24 | 9 1 | 4 23 | 4 57 | 17 4 | | n.a. |
| S 14 | 10 6 | 16 43 | 3 56 | 18 6 | 1 56 | 12 5 | 4 44 | 24 33 | 0 53 | 4 34 | 1 27 | 16 37 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 25 | 9 1 | 4 24 | 4 55 | 17 3 | | n.a. |
| M15 | 9 44 | 18 19 | 4 38 | 17 45 | 1 59 | 12 28 | 4 49 | 24 36 | 0 54 | 4 32 | 1 27 | 16 39 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 26 | 9 0 | 4 24 | 4 54 | 17 2 | | n.a. |
| T 16 | 9 21 | 18 50 | 5 4 | 17 22 | 2 2 | 12 50 | 4 54 | 24 39 | 0 55 | 4 30 | 1 27 | 16 40 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 27 | 9 0 | 4 23 | 4 53 | 17 1 | | n.a. |
| W17 | 8 58 | 18 8 | 5 12 | 16 56 | 2 4 | 13 12 | 4 58 | 24 42 | 0 56 | 4 28 | 1 27 | 16 42 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 28 | 9 0 | 4 22 | 4 52 | 17 0 | | n.a. |
| T 18 | 8 36 | 16 13 | 4 59 | 16 28 | 2 5 | 13 33 | 5 3 | 24 44 | 0 57 | 4 25 | 1 27 | 16 43 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 29 | 8 59 | 4 20 | 4 50 | 16 59 | | n.a. |
| F 19 | 8 12 | 13 12 | 4 26 | 15 58 | 2 4 | 13 54 | 5 7 | 24 47 | 0 58 | 4 23 | 1 28 | 16 45 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 30 | 8 59 | 4 18 | 4 49 | 16 58 | | n.a. |
| S 20 | 7 49 | 9 20 | 3 35 | 15 26 | 2 4 | 14 14 | 5 12 | 24 49 | 1 0 | 4 21 | 1 28 | 16 46 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 31 | 8 59 | 4 16 | 4 48 | 16 57 | | n.a. |
| S 21 | 7 26 | 4 56 | 2 30 | 14 52 | 2 2 | 14 34 | 5 16 | 24 51 | 1 1 | 4 19 | 1 28 | 16 48 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 32 | 8 58 | 4 15 | 4 46 | 16 56 | | n.a. |
| M22 | 7 2 | 0 18 | 1 17 | 14 17 | 2 0 | 14 53 | 5 20 | 24 54 | 1 2 | 4 16 | 1 28 | 16 49 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 33 | 8 58 | 4 14 | 4 45 | 16 55 | | n.a. |
| T 23 | 6 39 | 4n14 | 0s 0 | 13 41 | 1 58 | 15 11 | 5 24 | 24 56 | 1 3 | 4 14 | 1 28 | 16 51 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 34 | 8 58 | 4 14 | 4 44 | 16 54 | | n.a. |
| W24 | 6 15 | 8 25 | 1 15 | 13 4 | 1 55 | 15 29 | 5 28 | 24 58 | 1 4 | 4 11 | 1 28 | 16 52 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 34 | 8 58 | 4 14 | 4 43 | 16 54 | | n.a. |
| T 25 | 5 51 | 12 2 | 2 23 | 12 25 | 1 51 | 15 45 | 5 31 | 24 59 | 1 5 | 4 9 | 1 28 | 16 53 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 35 | 8 57 | 4 15 | 4 41 | 16 53 | | n.a. |
| F 26 | 5 27 | 14 57 | 3 22 | 11 46 | 1 48 | 16 2 | 5 35 | 25 1 | 1 7 | 4 6 | 1 28 | 16 55 | 2 39 | 23 43 | 0 22 | 23 7 | 0 18 | 1 36 | 8 57 | 4 15 | 4 40 | 16 52 | | n.a. |
| S 27 | 5 3 | 17 4 | 4 10 | 11 5 | 1 43 | 16 17 | 5 38 | 25 3 | 1 8 | 4 4 | 1 28 | 16 56 | 2 38 | 23 43 | 0 22 | 23 7 | 0 18 | 1 37 | 8 57 | 4 16 | 4 39 | 16 51 | | n.a. |
| S 28 | 4 39 | 18 21 | 4 45 | 10 24 | 1 39 | 16 32 | 5 41 | 25 4 | 1 9 | 4 1 | 1 28 | 16 57 | 2 38 | 23 43 | 0 22 | 23 7 | 0 18 | 1 38 | 8 56 | 4 16 | 4 38 | 16 50 | | n.a. |
| M29 | 4 15 | 18 47 | 5 7 | 9 43 | 1 34 | 16 46 | 5 43 | 25 5 | 1 10 | 3 58 | 1 28 | 16 58 | 2 38 | 23 43 | 0 21 | 23 7 | 0 18 | 1 39 | 8 56 | 4 16 | 4 36 | 16 49 | | n.a. |
| T 30 | 3n51 | 18n22 | 5s15 | 9n 0 | 1n29 | 16s59 | 5s46 | 25n 7 | 1n12 | 3n55 | 1s28 | 17s 0 | 2s38 | 23s43 | 0s21 | 23s 7 | 0n18 | 1s40 | 8n56 | 4s16 | 4s35 | 16n48 | | n.a. |

Julian Day Number = 1009063.5, Delta T = 12h42m10s
Ecliptic obliquity = 23°55'00, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°57'52, Lahiri = -30°50'50 Julian Calendar 1 Sept. 1951 BCE == Greg. Calendar 15 Aug. 1951 BCE


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## OCTOBER 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 31 42 | 21♍29'11 | 20♋55 | 12♍28 | 0♏14 | 0♋47 | 12°R59 | 21°R46 | 17♐59 | 18♐41 | 25♎19 | 10°R31 | 11♎19 | 24♋ 5 | n.a. | W 1 |
| T 2 | 23 35 38 | 22°29'56 | 2♌48 | 14° 5 | 0°40 | 1°16 | 12♈52 | 21♒43 | 18° 0 | 18°41 | 25°21 | 10♎29 | 11°16 | 24°12 | n.a. | T 2 |
| F 3 | 23 39 35 | 23°30'42 | 14°46 | 15°42 | 1° 4 | 1°45 | 12°44 | 21°39 | 18° 1 | 18°42 | 25°23 | 10°26 | 11°13 | 24°19 | n.a. | F 3 |
| S 4 | 23 43 32 | 24°31'30 | 26°51 | 17°19 | 1°27 | 2°14 | 12°37 | 21°35 | 18° 2 | 18°42 | 25°25 | 10°23 | 11°10 | 24°26 | n.a. | S 4 |
| S 5 | 23 47 28 | 25°32'19 | 9♍ 7 | 18°56 | 1°48 | 2°43 | 12°30 | 21°32 | 18° 3 | 18°43 | 25°27 | 10°21 | 11° 6 | 24°32 | n.a. | S 5 |
| M 6 | 23 51 25 | 26°33'11 | 21°34 | 20°32 | 2° 7 | 3°11 | 12°22 | 21°28 | 18° 4 | 18°43 | 25°29 | 10°19 | 11° 3 | 24°39 | n.a. | M 6 |
| T 7 | 23 55 21 | 27°34'03 | 4♎14 | 22° 8 | 2°24 | 3°40 | 12°14 | 21°25 | 18° 5 | 18°44 | 25°31 | 10°D19 | 11° 0 | 24°46 | n.a. | T 7 |
| W 8 | 23 59 18 | 28°34'57 | 17° 6 | 23°44 | 2°39 | 4° 8 | 12° 7 | 21°21 | 18° 6 | 18°45 | 25°33 | 10°19 | 10°57 | 24°52 | n.a. | W 8 |
| T 9 | 0 3 14 | 29°35'53 | 0♏12 | 25°20 | 2°51 | 4°36 | 11°59 | 21°18 | 18° 7 | 18°46 | 25°35 | 10°19 | 10°54 | 24°59 | n.a. | T 9 |
| F 10 | 0 7 11 | 0♎36'49 | 13°30 | 26°56 | 3° 2 | 5° 3 | 11°51 | 21°15 | 18° 9 | 18°46 | 25°37 | 10°20 | 10°51 | 25° 6 | n.a. | F 10 |
| S 11 | 0 11 7 | 1°37'47 | 27° 1 | 28°31 | 3°10 | 5°31 | 11°43 | 21°12 | 18°10 | 18°47 | 25°39 | 10°21 | 10°47 | 25°13 | n.a. | S 11 |
| S 12 | 0 15 4 | 2°38'46 | 10♐44 | 0♎ 6 | 3°17 | 5°58 | 11°35 | 21° 9 | 18°11 | 18°48 | 25°42 | 10°22 | 10°44 | 25°19 | n.a. | S 12 |
| M13 | 0 19 1 | 3°39'46 | 24°39 | 1°41 | 3°20 | 6°25 | 11°27 | 21° 6 | 18°13 | 18°49 | 25°44 | 10°22 | 10°41 | 25°26 | n.a. | M13 |
| T 14 | 0 22 57 | 4°40'47 | 8♑44 | 3°16 | 3°R22 | 6°51 | 11°19 | 21° 3 | 18°14 | 18°50 | 25°46 | 10°R22 | 10°38 | 25°33 | n.a. | T 14 |
| W15 | 0 26 54 | 5°41'48 | 22°59 | 4°51 | 3°21 | 7°18 | 11°11 | 21° 0 | 18°16 | 18°51 | 25°48 | 10°22 | 10°35 | 25°39 | n.a. | W15 |
| T 16 | 0 30 50 | 6°42'51 | 7♒20 | 6°26 | 3°17 | 7°44 | 11° 3 | 20°58 | 18°17 | 18°52 | 25°50 | 10°22 | 10°31 | 25°46 | n.a. | T 16 |
| F 17 | 0 34 47 | 7°43'54 | 21°44 | 8° 0 | 3°11 | 8°10 | 10°54 | 20°55 | 18°19 | 18°53 | 25°52 | 10°21 | 10°28 | 25°53 | n.a. | F 17 |
| S 18 | 0 38 43 | 8°44'58 | 6♓ 7 | 9°35 | 3° 3 | 8°36 | 10°46 | 20°53 | 18°21 | 18°54 | 25°55 | 10°21 | 10°25 | 26° 0 | n.a. | S 18 |
| S 19 | 0 42 40 | 9°46'03 | 20°25 | 11° 9 | 2°52 | 9° 1 | 10°38 | 20°50 | 18°22 | 18°55 | 25°57 | 10°21 | 10°22 | 26° 6 | n.a. | S 19 |
| M20 | 0 46 36 | 10°47'09 | 4♈32 | 12°43 | 2°38 | 9°26 | 10°30 | 20°48 | 18°24 | 18°56 | 25°59 | 10°21 | 10°19 | 26°13 | n.a. | M20 |
| T 21 | 0 50 33 | 11°48'16 | 18°24 | 14°18 | 2°22 | 9°51 | 10°22 | 20°46 | 18°26 | 18°57 | 26° 1 | 10°21 | 10°16 | 26°20 | n.a. | T 21 |
| W22 | 0 54 30 | 12°49'23 | 1♉57 | 15°52 | 2° 4 | 10°16 | 10°13 | 20°44 | 18°28 | 18°58 | 26° 3 | 10°21 | 10°12 | 26°27 | n.a. | W22 |
| T 23 | 0 58 26 | 13°50'32 | 15°11 | 17°26 | 1°43 | 10°40 | 10° 5 | 20°42 | 18°30 | 18°59 | 26° 6 | 10°21 | 10° 9 | 26°33 | n.a. | T 23 |
| F 24 | 1 2 23 | 14°51'42 | 28° 4 | 19° 0 | 1°21 | 11° 4 | 9°57 | 20°40 | 18°31 | 19° 0 | 26° 8 | 10°20 | 10° 6 | 26°40 | n.a. | F 24 |
| S 25 | 1 6 19 | 15°52'53 | 10♊38 | 20°35 | 0°56 | 11°28 | 9°49 | 20°39 | 18°33 | 19° 2 | 26°10 | 10°19 | 10° 3 | 26°47 | n.a. | S 25 |
| S 26 | 1 10 16 | 16°54'05 | 22°56 | 22° 9 | 0°29 | 11°52 | 9°41 | 20°37 | 18°35 | 19° 3 | 26°12 | 10°19 | 10° 0 | 26°53 | n.a. | S 26 |
| M27 | 1 14 12 | 17°55'18 | 5♋ 1 | 23°43 | 29♎59 | 12°15 | 9°33 | 20°35 | 18°38 | 19° 4 | 26°15 | 10°18 | 9°56 | 27° 0 | n.a. | M27 |
| T 28 | 1 18 9 | 18°56'32 | 16°57 | 25°18 | 29°29 | 12°38 | 9°25 | 20°34 | 18°40 | 19° 5 | 26°17 | 10°D18 | 9°53 | 27° 7 | n.a. | T 28 |
| W29 | 1 22 5 | 19°57'47 | 28°49 | 26°52 | 28°57 | 13° 0 | 9°17 | 20°33 | 18°42 | 19° 7 | 26°19 | 10°18 | 9°50 | 27°14 | n.a. | W29 |
| T 30 | 1 26 2 | 20°59'03 | 10♌42 | 28°27 | 28°24 | 13°23 | 9° 9 | 20°32 | 18°44 | 19° 8 | 26°21 | 10°19 | 9°47 | 27°20 | n.a. | T 30 |
| F 31 | 1 29 59 | 22♎ 0'19 | 22♌41 | 0♏ 1 | 27♎49 | 13♋44 | 9♈ 1 | 20♒31 | 18♐46 | 19♐10 | 26♎24 | 10♎20 | 9♎44 | 27♋27 | n.a. | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat | decl | lat |
| W 1 | 3n26 | 17n 9 | 5s10 | 8n18 | 1n24 | 17s11 | 5s48 | 25n 8 | 1n13 | 3n53 | 1s28 | 17s 1 | 2s38 | 23s43 | 0s21 | 23s 7 | 0n18 | 1s41 | 8n56 | 4s15 | 4s34 | 16n47 | | | n.a. |
| T 2 | 3 2 | 15 11 | 4 52 | 7 35 | 1 18 | 17 22 | 5 50 | 25 9 | 1 14 | 3 50 | 1 28 | 17 2 | 2 38 | 23 43 | 0 21 | 23 7 | 0 18 | 1 42 | 8 55 | 4 14 | 4 33 | 16 46 | | | n.a. |
| F 3 | 2 38 | 12 35 | 4 21 | 6 51 | 1 12 | 17 33 | 5 52 | 25 10 | 1 16 | 3 47 | 1 28 | 17 3 | 2 38 | 23 43 | 0 21 | 23 8 | 0 18 | 1 43 | 8 55 | 4 13 | 4 31 | 16 45 | | | n.a. |
| S 4 | 2 13 | 9 24 | 3 38 | 6 7 | 1 7 | 17 42 | 5 53 | 25 11 | 1 17 | 3 44 | 1 28 | 17 4 | 2 38 | 23 43 | 0 21 | 23 8 | 0 18 | 1 44 | 8 55 | 4 11 | 4 30 | 16 44 | | | n.a. |
| S 5 | 1 48 | 5 47 | 2 44 | 5 23 | 1 1 | 17 51 | 5 54 | 25 11 | 1 18 | 3 41 | 1 28 | 17 5 | 2 38 | 23 43 | 0 21 | 23 8 | 0 18 | 1 45 | 8 55 | 4 11 | 4 29 | 16 43 | | | n.a. |
| M 6 | 1 24 | 1 51 | 1 42 | 4 39 | 0 54 | 17 58 | 5 55 | 25 12 | 1 20 | 3 38 | 1 28 | 17 6 | 2 37 | 23 43 | 0 21 | 23 8 | 0 18 | 1 46 | 8 54 | 4 10 | 4 27 | 16 42 | | | n.a. |
| T 7 | 0 59 | 2s13 | 0 34 | 3 55 | 0 48 | 18 4 | 5 55 | 25 13 | 1 21 | 3 35 | 1 28 | 17 7 | 2 37 | 23 44 | 0 21 | 23 8 | 0 18 | 1 47 | 8 54 | 4 10 | 4 26 | 16 41 | | | n.a. |
| W 8 | 0 34 | 6 16 | 0n38 | 3 11 | 0 42 | 18 10 | 5 55 | 25 13 | 1 22 | 3 32 | 1 28 | 17 8 | 2 37 | 23 44 | 0 21 | 23 8 | 0 18 | 1 48 | 8 54 | 4 10 | 4 25 | 16 40 | | | n.a. |
| T 9 | 0 10 | 10 5 | 1 48 | 2 26 | 0 36 | 18 14 | 5 54 | 25 14 | 1 24 | 3 29 | 1 28 | 17 9 | 2 37 | 23 44 | 0 21 | 23 8 | 0 18 | 1 49 | 8 54 | 4 10 | 4 24 | 16 39 | | | n.a. |
| F 10 | 0s15 | 13 27 | 2 54 | 1 42 | 0 29 | 18 17 | 5 53 | 25 14 | 1 25 | 3 26 | 1 28 | 17 10 | 2 37 | 23 44 | 0 21 | 23 8 | 0 18 | 1 50 | 8 54 | 4 10 | 4 22 | 16 38 | | | n.a. |
| S 11 | 0 40 | 16 8 | 3 51 | 0 57 | 0 23 | 18 19 | 5 52 | 25 14 | 1 26 | 3 23 | 1 28 | 17 11 | 2 37 | 23 44 | 0 21 | 23 8 | 0 18 | 1 51 | 8 53 | 4 11 | 4 21 | 16 37 | | | n.a. |
| S 12 | 1 4 | 17 57 | 4 36 | 0 12 | 0 16 | 18 19 | 5 50 | 25 15 | 1 28 | 3 19 | 1 28 | 17 12 | 2 36 | 23 44 | 0 21 | 23 8 | 0 18 | 1 52 | 8 53 | 4 11 | 4 20 | 16 36 | | | n.a. |
| M13 | 1 29 | 18 43 | 5 5 | 0s32 | 0 10 | 18 18 | 5 48 | 25 15 | 1 29 | 3 16 | 1 28 | 17 13 | 2 36 | 23 44 | 0 21 | 23 8 | 0 18 | 1 53 | 8 53 | 4 11 | 4 19 | 16 35 | | | n.a. |
| T 14 | 1 54 | 18 21 | 5 17 | 1 16 | 0 3 | 18 16 | 5 45 | 25 15 | 1 31 | 3 13 | 1 28 | 17 13 | 2 36 | 23 44 | 0 21 | 23 8 | 0 18 | 1 54 | 8 53 | 4 11 | 4 17 | 16 34 | | | n.a. |
| W15 | 2 18 | 16 50 | 5 10 | 2 1 | 0s 3 | 18 13 | 5 42 | 25 15 | 1 32 | 3 10 | 1 28 | 17 14 | 2 36 | 23 44 | 0 21 | 23 9 | 0 18 | 1 54 | 8 53 | 4 11 | 4 16 | 16 33 | | | n.a. |
| T 16 | 2 43 | 14 15 | 4 43 | 2 45 | 0 10 | 18 8 | 5 38 | 25 15 | 1 34 | 3 7 | 1 28 | 17 15 | 2 36 | 23 45 | 0 21 | 23 9 | 0 18 | 1 55 | 8 52 | 4 11 | 4 15 | 16 32 | | | n.a. |
| F 17 | 3 8 | 10 47 | 3 58 | 3 29 | 0 16 | 18 1 | 5 33 | 25 15 | 1 35 | 3 4 | 1 28 | 17 15 | 2 36 | 23 45 | 0 21 | 23 9 | 0 18 | 1 56 | 8 52 | 4 11 | 4 14 | 16 31 | | | n.a. |
| S 18 | 3 32 | 6 41 | 2 59 | 4 12 | 0 22 | 17 54 | 5 28 | 25 14 | 1 37 | 3 1 | 1 27 | 17 16 | 2 35 | 23 45 | 0 21 | 23 9 | 0 18 | 1 57 | 8 52 | 4 11 | 4 12 | 16 30 | | | n.a. |
| S 19 | 3 57 | 2 13 | 1 48 | 4 56 | 0 29 | 17 44 | 5 23 | 25 14 | 1 38 | 2 57 | 1 27 | 17 17 | 2 35 | 23 45 | 0 21 | 23 9 | 0 18 | 1 58 | 8 52 | 4 11 | 4 11 | 16 29 | | | n.a. |
| M20 | 4 21 | 2n20 | 0 32 | 5 39 | 0 35 | 17 34 | 5 16 | 25 14 | 1 40 | 2 54 | 1 27 | 17 17 | 2 35 | 23 45 | 0 21 | 23 9 | 0 18 | 1 59 | 8 52 | 4 11 | 4 10 | 16 28 | | | n.a. |
| T 21 | 4 45 | 6 40 | 0s45 | 6 22 | 0 41 | 17 21 | 5 9 | 25 14 | 1 41 | 2 51 | 1 27 | 17 18 | 2 35 | 23 45 | 0 21 | 23 9 | 0 18 | 2 0 | 8 51 | 4 11 | 4 8 | 16 27 | | | n.a. |
| W22 | 5 10 | 10 34 | 1 57 | 7 5 | 0 47 | 17 8 | 5 2 | 25 13 | 1 43 | 2 48 | 1 27 | 17 18 | 2 35 | 23 45 | 0 21 | 23 9 | 0 18 | 2 1 | 8 51 | 4 11 | 4 7 | 16 26 | | | n.a. |
| T 23 | 5 34 | 13 49 | 3 2 | 7 48 | 0 53 | 16 53 | 4 53 | 25 13 | 1 45 | 2 45 | 1 27 | 17 19 | 2 34 | 23 46 | 0 21 | 23 9 | 0 18 | 2 2 | 8 51 | 4 10 | 4 6 | 16 25 | | | n.a. |
| F 24 | 5 58 | 16 19 | 3 55 | 8 30 | 0 59 | 16 36 | 4 44 | 25 12 | 1 46 | 2 42 | 1 27 | 17 19 | 2 34 | 23 46 | 0 21 | 23 10 | 0 18 | 2 3 | 8 51 | 4 10 | 4 5 | 16 24 | | | n.a. |
| S 25 | 6 22 | 17 56 | 4 36 | 9 11 | 1 5 | 16 18 | 4 35 | 25 12 | 1 48 | 2 39 | 1 27 | 17 19 | 2 34 | 23 46 | 0 21 | 23 10 | 0 18 | 2 4 | 8 51 | 4 10 | 4 3 | 16 23 | | | n.a. |
| S 26 | 6 46 | 18 41 | 5 3 | 9 53 | 1 10 | 15 59 | 4 24 | 25 12 | 1 49 | 2 35 | 1 26 | 17 20 | 2 34 | 23 46 | 0 21 | 23 10 | 0 17 | 2 5 | 8 51 | 4 10 | 4 2 | 16 22 | | | n.a. |
| M27 | 7 10 | 18 34 | 5 16 | 10 33 | 1 16 | 15 38 | 4 13 | 25 11 | 1 51 | 2 32 | 1 26 | 17 20 | 2 34 | 23 46 | 0 21 | 23 10 | 0 17 | 2 6 | 8 51 | 4 9 | 4 1 | 16 21 | | | n.a. |
| T 28 | 7 34 | 17 37 | 5 15 | 11 14 | 1 21 | 15 16 | 4 2 | 25 10 | 1 53 | 2 29 | 1 26 | 17 20 | 2 33 | 23 46 | 0 21 | 23 10 | 0 17 | 2 7 | 8 50 | 4 9 | 4 0 | 16 20 | | | n.a. |
| W29 | 7 57 | 15 54 | 5 1 | 11 54 | 1 26 | 14 53 | 3 50 | 25 10 | 1 55 | 2 26 | 1 26 | 17 21 | 2 33 | 23 47 | 0 21 | 23 10 | 0 17 | 2 8 | 8 50 | 4 9 | 3 58 | 16 19 | | | n.a. |
| T 30 | 8 21 | 13 31 | 4 34 | 12 33 | 1 31 | 14 29 | 3 37 | 25 9 | 1 56 | 2 23 | 1 26 | 17 21 | 2 33 | 23 47 | 0 21 | 23 10 | 0 17 | 2 9 | 8 50 | 4 10 | 3 57 | 16 18 | | | n.a. |
| F 31 | 8s44 | 10n32 | 3s55 | 13s12 | 1s36 | 14s 4 | 3s23 | 25n 9 | 1n58 | 2n20 | 1s26 | 17s21 | 2s33 | 23s47 | 0s21 | 23s11 | 0n17 | 2s10 | 8n50 | 4s10 | 3s56 | 16n17 | | | n.a. |

Julian Day Number = 1009093.5, Delta T = 12h42m08s
Ecliptic obliquity = 23°55'00, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°57'48, Lahiri = -30°50'46 Julian Calendar 1 Oct. 1951 BCE == Greg. Calendar 14 Sept. 1951 BCE

The year -1950 astronomical counting style corresponds to year 1951 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## NOVEMBER 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 33 55 | 23♎ 1'37 | 4♍49 | 1♏36 | 27°R14 | 14♋ 6 | 8°R53 | 20°R30 | 18♐48 | 19♐11 | 26♎26 | 10♎21 | 9♎41 | 27♋34 | n.a. | S 1 |
| S 2 | 1 37 52 | 24° 2'55 | 17°10 | 3°11 | 26♎38 | 14°27 | 8♈46 | 20♒29 | 18°51 | 19°13 | 26°28 | 10°22 | 9°37 | 27°40 | n.a. | S 2 |
| M 3 | 1 41 48 | 25° 4'13 | 29°48 | 4°46 | 26° 1 | 14°48 | 8°38 | 20°28 | 18°53 | 19°14 | 26°31 | 10°23 | 9°34 | 27°47 | n.a. | M 3 |
| T 4 | 1 45 45 | 26° 5'32 | 12♎44 | 6°20 | 25°25 | 15° 8 | 8°31 | 20°27 | 18°56 | 19°16 | 26°33 | 10°R23 | 9°31 | 27°54 | n.a. | T 4 |
| W 5 | 1 49 41 | 27° 6'52 | 25°58 | 7°55 | 24°49 | 15°29 | 8°23 | 20°27 | 18°58 | 19°17 | 26°35 | 10°23 | 9°28 | 28° 1 | n.a. | W 5 |
| T 6 | 1 53 38 | 28° 8'12 | 9♏29 | 9°30 | 24°13 | 15°48 | 8°16 | 20°26 | 19° 0 | 19°19 | 26°37 | 10°21 | 9°25 | 28° 7 | n.a. | T 6 |
| F 7 | 1 57 34 | 29° 9'33 | 23°16 | 11° 5 | 23°37 | 16° 7 | 8° 9 | 20°26 | 19° 3 | 19°20 | 26°40 | 10°19 | 9°22 | 28°14 | n.a. | F 7 |
| S 8 | 2 1 31 | 0♏10'53 | 7♐15 | 12°39 | 23° 3 | 16°26 | 8° 2 | 20°26 | 19° 5 | 19°22 | 26°42 | 10°16 | 9°18 | 28°21 | n.a. | S 8 |
| S 9 | 2 5 28 | 1°12'14 | 21°22 | 14°14 | 22°30 | 16°45 | 7°55 | 20°D26 | 19° 8 | 19°24 | 26°44 | 10°13 | 9°15 | 28°27 | n.a. | S 9 |
| M10 | 2 9 24 | 2°13'34 | 5♑34 | 15°48 | 21°57 | 17° 3 | 7°48 | 20°26 | 19°11 | 19°25 | 26°47 | 10°10 | 9°12 | 28°34 | n.a. | M10 |
| T 11 | 2 13 21 | 3°14'55 | 19°47 | 17°22 | 21°27 | 17°21 | 7°41 | 20°26 | 19°13 | 19°27 | 26°49 | 10° 9 | 9° 9 | 28°41 | n.a. | T 11 |
| W12 | 2 17 17 | 4°16'15 | 3♒58 | 18°55 | 20°58 | 17°38 | 7°35 | 20°26 | 19°16 | 19°29 | 26°51 | 10°D 8 | 9° 6 | 28°48 | n.a. | W12 |
| T 13 | 2 21 14 | 5°17'35 | 18° 6 | 20°28 | 20°31 | 17°54 | 7°28 | 20°27 | 19°19 | 19°30 | 26°53 | 10° 9 | 9° 2 | 28°54 | n.a. | T 13 |
| F 14 | 2 25 10 | 6°18'55 | 2♓ 9 | 22° 0 | 20° 6 | 18°11 | 7°22 | 20°27 | 19°21 | 19°32 | 26°56 | 10°10 | 8°59 | 29° 1 | n.a. | F 14 |
| S 15 | 2 29 7 | 7°20'14 | 16° 4 | 23°31 | 19°43 | 18°27 | 7°16 | 20°28 | 19°24 | 19°34 | 26°58 | 10°12 | 8°56 | 29° 8 | n.a. | S 15 |
| S 16 | 2 33 4 | 8°21'33 | 29°52 | 25° 1 | 19°22 | 18°42 | 7°10 | 20°29 | 19°27 | 19°36 | 27° 0 | 10°13 | 8°53 | 29°14 | n.a. | S 16 |
| M17 | 2 37 0 | 9°22'51 | 13♈30 | 26°30 | 19° 4 | 18°57 | 7° 4 | 20°30 | 19°30 | 19°38 | 27° 2 | 10°R13 | 8°50 | 29°21 | n.a. | M17 |
| T 18 | 2 40 57 | 10°24'10 | 26°57 | 27°57 | 18°48 | 19°11 | 6°58 | 20°31 | 19°33 | 19°39 | 27° 5 | 10°12 | 8°47 | 29°28 | n.a. | T 18 |
| W19 | 2 44 53 | 11°25'28 | 10♉11 | 29°22 | 18°35 | 19°25 | 6°53 | 20°32 | 19°36 | 19°41 | 27° 7 | 10° 9 | 8°43 | 29°35 | n.a. | W19 |
| T 20 | 2 48 50 | 12°26'46 | 23°11 | 0♐44 | 18°24 | 19°38 | 6°47 | 20°33 | 19°38 | 19°43 | 27° 9 | 10° 5 | 8°40 | 29°41 | n.a. | T 20 |
| F 21 | 2 52 46 | 13°28'03 | 5♊56 | 2° 4 | 18°16 | 19°51 | 6°42 | 20°34 | 19°41 | 19°45 | 27°11 | 9°59 | 8°37 | 29°48 | n.a. | F 21 |
| S 22 | 2 56 43 | 14°29'21 | 18°26 | 3°20 | 18°10 | 20° 4 | 6°37 | 20°36 | 19°44 | 19°47 | 27°13 | 9°53 | 8°34 | 29°55 | n.a. | S 22 |
| S 23 | 3 0 40 | 15°30'38 | 0♋43 | 4°32 | 18° 6 | 20°15 | 6°32 | 20°37 | 19°47 | 19°49 | 27°16 | 9°46 | 8°31 | 0♌ 1 | n.a. | S 23 |
| M24 | 3 4 36 | 16°31'55 | 12°48 | 5°40 | 18°D 5 | 20°27 | 6°27 | 20°39 | 19°50 | 19°51 | 27°18 | 9°41 | 8°28 | 0° 8 | n.a. | M24 |
| T 25 | 3 8 33 | 17°33'12 | 24°44 | 6°42 | 18° 7 | 20°37 | 6°23 | 20°40 | 19°53 | 19°53 | 27°20 | 9°36 | 8°24 | 0°15 | n.a. | T 25 |
| W26 | 3 12 29 | 18°34'29 | 6♌36 | 7°38 | 18°11 | 20°47 | 6°19 | 20°42 | 19°56 | 19°55 | 27°22 | 9°34 | 8°21 | 0°22 | n.a. | W26 |
| T 27 | 3 16 26 | 19°35'45 | 18°28 | 8°28 | 18°17 | 20°57 | 6°14 | 20°44 | 20° 0 | 19°57 | 27°24 | 9°D33 | 8°18 | 0°28 | n.a. | T 27 |
| F 28 | 3 20 22 | 20°37'01 | 0♍24 | 9° 9 | 18°26 | 21° 6 | 6°10 | 20°46 | 20° 3 | 19°59 | 27°26 | 9°33 | 8°15 | 0°35 | n.a. | F 28 |
| S 29 | 3 24 19 | 21°38'17 | 12°31 | 9°41 | 18°37 | 21°14 | 6° 7 | 20°49 | 20° 6 | 20° 1 | 27°29 | 9°35 | 8°12 | 0°42 | n.a. | S 29 |
| S 30 | 3 28 15 | 22♏39'32 | 24♍52 | 10♐ 4 | 18♎50 | 21♋21 | 6♈ 3 | 20♒51 | 20♐ 9 | 20♐ 3 | 27♎31 | 9♎36 | 8♎ 8 | 0♌48 | n.a. | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 9s 7 | 7n 5 | 3s 5 | 13s50 | 1s40 | 13s38 | 3s10 | 25n 8 | 2n 0 | 2n17 | 1s25 | 17s21 | 2s33 | 23s47 | 0s21 | 23s11 | 0n17 | 2s11 | 8n50 | 4s11 | 3s54 | 16n16 | | n.a. |
| S 2 | 9 31 | 3 15 | 2 5 | 14 27 | 1 45 | 13 11 | 2 55 | 25 8 | 2 2 | 2 15 | 1 25 | 17 21 | 2 32 | 23 47 | 0 21 | 23 11 | 0 17 | 2 11 | 8 50 | 4 11 | 3 53 | 16 15 | | n.a. |
| M 3 | 9 53 | 0s48 | 0 58 | 15 4 | 1 49 | 12 44 | 2 41 | 25 7 | 2 3 | 2 12 | 1 25 | 17 21 | 2 32 | 23 48 | 0 21 | 23 11 | 0 17 | 2 12 | 8 50 | 4 11 | 3 52 | 16 14 | | n.a. |
| T 4 | 10 16 | 4 56 | 0n13 | 15 40 | 1 53 | 12 16 | 2 26 | 25 7 | 2 5 | 2 9 | 1 25 | 17 21 | 2 32 | 23 48 | 0 21 | 23 11 | 0 17 | 2 13 | 8 50 | 4 12 | 3 51 | 16 13 | | n.a. |
| W 5 | 10 39 | 8 54 | 1 25 | 16 15 | 1 56 | 11 49 | 2 11 | 25 6 | 2 7 | 2 6 | 1 24 | 17 21 | 2 32 | 23 48 | 0 21 | 23 11 | 0 17 | 2 14 | 8 50 | 4 11 | 3 49 | 16 12 | | n.a. |
| T 6 | 11 1 | 12 31 | 2 34 | 16 49 | 1 59 | 11 21 | 1 55 | 25 6 | 2 9 | 2 3 | 1 24 | 17 21 | 2 31 | 23 48 | 0 21 | 23 11 | 0 17 | 2 15 | 8 49 | 4 11 | 3 48 | 16 11 | | n.a. |
| F 7 | 11 24 | 15 30 | 3 35 | 17 23 | 2 2 | 10 53 | 1 40 | 25 5 | 2 11 | 2 1 | 1 24 | 17 21 | 2 31 | 23 48 | 0 21 | 23 12 | 0 17 | 2 16 | 8 49 | 4 10 | 3 47 | 16 9 | | n.a. |
| S 8 | 11 46 | 17 37 | 4 24 | 17 55 | 2 4 | 10 26 | 1 24 | 25 5 | 2 13 | 1 58 | 1 24 | 17 21 | 2 31 | 23 49 | 0 21 | 23 12 | 0 17 | 2 17 | 8 49 | 4 9 | 3 46 | 16 8 | | n.a. |
| S 9 | 12 7 | 18 40 | 4 58 | 18 26 | 2 7 | 9 59 | 1 8 | 25 4 | 2 15 | 1 55 | 1 24 | 17 20 | 2 31 | 23 49 | 0 21 | 23 12 | 0 17 | 2 18 | 8 49 | 4 7 | 3 44 | 16 7 | | n.a. |
| M10 | 12 29 | 18 34 | 5 14 | 18 56 | 2 8 | 9 32 | 0 53 | 25 4 | 2 17 | 1 53 | 1 23 | 17 20 | 2 30 | 23 49 | 0 21 | 23 12 | 0 17 | 2 19 | 8 49 | 4 6 | 3 43 | 16 6 | | n.a. |
| T 11 | 12 51 | 17 19 | 5 10 | 19 25 | 2 9 | 9 6 | 0 37 | 25 3 | 2 19 | 1 50 | 1 23 | 17 20 | 2 30 | 23 49 | 0 21 | 23 12 | 0 17 | 2 20 | 8 49 | 4 6 | 3 42 | 16 5 | | n.a. |
| W12 | 13 12 | 14 59 | 4 48 | 19 52 | 2 10 | 8 41 | 0 22 | 25 3 | 2 21 | 1 48 | 1 23 | 17 20 | 2 30 | 23 49 | 0 21 | 23 12 | 0 17 | 2 20 | 8 49 | 4 5 | 3 40 | 16 4 | | n.a. |
| T 13 | 13 33 | 11 46 | 4 8 | 20 18 | 2 10 | 8 17 | 0 7 | 25 3 | 2 23 | 1 46 | 1 23 | 17 19 | 2 30 | 23 50 | 0 21 | 23 12 | 0 17 | 2 21 | 8 49 | 4 6 | 3 39 | 16 3 | | n.a. |
| F 14 | 13 53 | 7 54 | 3 14 | 20 43 | 2 10 | 7 53 | 0n 8 | 25 3 | 2 25 | 1 43 | 1 22 | 17 19 | 2 30 | 23 50 | 0 21 | 23 13 | 0 17 | 2 22 | 8 49 | 4 6 | 3 38 | 16 2 | | n.a. |
| S 15 | 14 14 | 3 38 | 2 9 | 21 6 | 2 9 | 7 31 | 0 22 | 25 2 | 2 27 | 1 41 | 1 22 | 17 18 | 2 29 | 23 50 | 0 21 | 23 13 | 0 17 | 2 23 | 8 49 | 4 7 | 3 37 | 16 1 | | n.a. |
| S 16 | 14 34 | 0n48 | 0 57 | 21 27 | 2 7 | 7 10 | 0 36 | 25 2 | 2 29 | 1 39 | 1 22 | 17 18 | 2 29 | 23 50 | 0 21 | 23 13 | 0 17 | 2 24 | 8 49 | 4 7 | 3 35 | 16 0 | | n.a. |
| M17 | 14 54 | 5 9 | 0s18 | 21 47 | 2 5 | 6 51 | 0 50 | 25 2 | 2 31 | 1 37 | 1 21 | 17 17 | 2 29 | 23 51 | 0 21 | 23 13 | 0 17 | 2 25 | 8 49 | 4 7 | 3 34 | 15 59 | | n.a. |
| T 18 | 15 14 | 9 11 | 1 30 | 22 5 | 2 2 | 6 32 | 1 3 | 25 2 | 2 33 | 1 35 | 1 21 | 17 17 | 2 29 | 23 51 | 0 21 | 23 13 | 0 17 | 2 25 | 8 49 | 4 7 | 3 33 | 15 58 | | n.a. |
| W19 | 15 34 | 12 41 | 2 37 | 22 20 | 1 58 | 6 15 | 1 16 | 25 2 | 2 35 | 1 33 | 1 21 | 17 16 | 2 28 | 23 51 | 0 21 | 23 13 | 0 17 | 2 26 | 8 49 | 4 6 | 3 32 | 15 57 | | n.a. |
| T 20 | 15 53 | 15 30 | 3 33 | 22 34 | 1 53 | 6 0 | 1 28 | 25 3 | 2 38 | 1 31 | 1 21 | 17 16 | 2 28 | 23 51 | 0 21 | 23 14 | 0 17 | 2 27 | 8 49 | 4 4 | 3 30 | 15 56 | | n.a. |
| F 21 | 16 12 | 17 29 | 4 18 | 22 45 | 1 48 | 5 46 | 1 40 | 25 3 | 2 40 | 1 29 | 1 20 | 17 15 | 2 28 | 23 51 | 0 21 | 23 14 | 0 17 | 2 28 | 8 49 | 4 2 | 3 29 | 15 54 | | n.a. |
| S 22 | 16 30 | 18 36 | 4 50 | 22 54 | 1 41 | 5 33 | 1 51 | 25 3 | 2 42 | 1 27 | 1 20 | 17 14 | 2 28 | 23 52 | 0 21 | 23 14 | 0 17 | 2 29 | 8 49 | 3 59 | 3 28 | 15 53 | | n.a. |
| S 23 | 16 49 | 18 48 | 5 7 | 23 0 | 1 34 | 5 22 | 2 2 | 25 4 | 2 44 | 1 26 | 1 20 | 17 14 | 2 27 | 23 52 | 0 21 | 23 14 | 0 17 | 2 29 | 8 49 | 3 57 | 3 26 | 15 52 | | n.a. |
| M24 | 17 7 | 18 8 | 5 10 | 23 4 | 1 25 | 5 12 | 2 13 | 25 4 | 2 46 | 1 24 | 1 19 | 17 13 | 2 27 | 23 52 | 0 21 | 23 14 | 0 17 | 2 30 | 8 49 | 3 54 | 3 25 | 15 51 | | n.a. |
| T 25 | 17 24 | 16 41 | 5 0 | 23 6 | 1 15 | 5 3 | 2 23 | 25 5 | 2 49 | 1 23 | 1 19 | 17 12 | 2 27 | 23 52 | 0 21 | 23 14 | 0 17 | 2 31 | 8 49 | 3 53 | 3 24 | 15 50 | | n.a. |
| W26 | 17 42 | 14 31 | 4 37 | 23 4 | 1 4 | 4 56 | 2 32 | 25 5 | 2 51 | 1 21 | 1 19 | 17 11 | 2 27 | 23 53 | 0 21 | 23 15 | 0 17 | 2 32 | 8 49 | 3 52 | 3 23 | 15 49 | | n.a. |
| T 27 | 17 59 | 11 46 | 4 2 | 23 0 | 0 52 | 4 50 | 2 41 | 25 6 | 2 53 | 1 20 | 1 19 | 17 10 | 2 26 | 23 53 | 0 21 | 23 15 | 0 17 | 2 33 | 8 49 | 3 51 | 3 21 | 15 48 | | n.a. |
| F 28 | 18 16 | 8 29 | 3 17 | 22 54 | 0 38 | 4 46 | 2 49 | 25 7 | 2 56 | 1 18 | 1 18 | 17 9 | 2 26 | 23 53 | 0 21 | 23 15 | 0 17 | 2 33 | 8 49 | 3 51 | 3 20 | 15 47 | | n.a. |
| S 29 | 18 32 | 4 49 | 2 22 | 22 44 | 0 24 | 4 43 | 2 57 | 25 8 | 2 58 | 1 17 | 1 18 | 17 9 | 2 26 | 23 53 | 0 21 | 23 15 | 0 17 | 2 34 | 8 49 | 3 52 | 3 19 | 15 46 | | n.a. |
| S 30 | 18s48 | 0n52 | 1s19 | 22s32 | 0s 8 | 4s41 | 3n 5 | 25n 9 | 3n 1 | 1n16 | 1s18 | 17s 8 | 2s26 | 23s54 | 0s21 | 23s15 | 0n17 | 2s35 | 8n49 | 3s53 | 3s17 | 15n45 | | n.a. |

Julian Day Number = 1009124.5, Delta T = 12h42m06s
Ecliptic obliquity = 23°55'00, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°57'44, Lahiri = -30°50'42 Julian Calendar 1 Nov. 1951 BCE == Greg. Calendar 15 Oct. 1951 BCE

The year -1950 astronomical counting style corresponds to year 1951 B.C.E historical counting style.


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# ASTRODIENST EPHEMERIS for the year 1951 BCE
# geocentric

## DECEMBER 1951 BCE (-1950) JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 32 12 | 23♏40'47 | 7♎33 | 10♐16 | 19♎ 6 | 21♋28 | 6°R 0 | 20♒53 | 20♐12 | 20♐ 5 | 27♎33 | 9°R37 | 8♎ 5 | 0♌55 | n.a. | M 1 |
| T 2 | 3 36 9 | 24°42'01 | 20°37 | 10°R17 | 19°23 | 21°35 | 5♈56 | 20°56 | 20°15 | 20° 7 | 27°35 | 9♎36 | 8° 2 | 1° 2 | n.a. | T 2 |
| W 3 | 3 40 5 | 25°43'15 | 4♏ 5 | 10° 6 | 19°42 | 21°40 | 5°53 | 20°58 | 20°19 | 20° 9 | 27°37 | 9°34 | 7°59 | 1° 9 | n.a. | W 3 |
| T 4 | 3 44 2 | 26°44'28 | 17°56 | 9°44 | 20° 4 | 21°45 | 5°51 | 21° 1 | 20°22 | 20°11 | 27°39 | 9°29 | 7°56 | 1°15 | n.a. | T 4 |
| F 5 | 3 47 58 | 27°45'41 | 2♐ 9 | 9°10 | 20°27 | 21°49 | 5°48 | 21° 4 | 20°25 | 20°14 | 27°41 | 9°22 | 7°53 | 1°22 | n.a. | F 5 |
| S 6 | 3 51 55 | 28°46'52 | 16°38 | 8°26 | 20°52 | 21°53 | 5°46 | 21° 7 | 20°28 | 20°16 | 27°43 | 9°14 | 7°49 | 1°29 | n.a. | S 6 |
| S 7 | 3 55 51 | 29°48'03 | 1♑15 | 7°31 | 21°19 | 21°56 | 5°43 | 21°10 | 20°32 | 20°18 | 27°45 | 9° 5 | 7°46 | 1°35 | n.a. | S 7 |
| M 8 | 3 59 48 | 0♐49'12 | 15°54 | 6°28 | 21°47 | 21°58 | 5°41 | 21°13 | 20°35 | 20°20 | 27°47 | 8°58 | 7°43 | 1°42 | n.a. | M 8 |
| T 9 | 4 3 45 | 1°50'21 | 0♒28 | 5°19 | 22°17 | 21°59 | 5°40 | 21°16 | 20°38 | 20°22 | 27°49 | 8°52 | 7°40 | 1°49 | n.a. | T 9 |
| W10 | 4 7 41 | 2°51'28 | 14°52 | 4° 5 | 22°49 | 22°R 0 | 5°38 | 21°20 | 20°42 | 20°24 | 27°51 | 8°48 | 7°37 | 1°56 | n.a. | W10 |
| T 11 | 4 11 38 | 3°52'33 | 29° 1 | 2°49 | 23°22 | 22° 0 | 5°37 | 21°23 | 20°45 | 20°27 | 27°53 | 8°D47 | 7°34 | 2° 2 | n.a. | T 11 |
| F 12 | 4 15 34 | 4°53'37 | 12♓56 | 1°33 | 23°56 | 21°59 | 5°36 | 21°27 | 20°48 | 20°29 | 27°55 | 8°47 | 7°30 | 2° 9 | n.a. | F 12 |
| S 13 | 4 19 31 | 5°54'40 | 26°36 | 0°19 | 24°32 | 21°57 | 5°35 | 21°30 | 20°52 | 20°31 | 27°57 | 8°48 | 7°27 | 2°16 | n.a. | S 13 |
| S 14 | 4 23 27 | 6°55'41 | 10♈ 3 | 29♏10 | 25° 9 | 21°55 | 5°34 | 21°34 | 20°55 | 20°33 | 27°59 | 8°R48 | 7°24 | 2°22 | n.a. | S 14 |
| M15 | 4 27 24 | 7°56'40 | 23°16 | 28° 6 | 25°48 | 21°52 | 5°33 | 21°38 | 20°59 | 20°35 | 28° 1 | 8°47 | 7°21 | 2°29 | n.a. | M15 |
| T 16 | 4 31 20 | 8°57'38 | 6♉19 | 27°10 | 26°28 | 21°48 | 5°33 | 21°42 | 21° 2 | 20°38 | 28° 2 | 8°44 | 7°18 | 2°36 | n.a. | T 16 |
| W17 | 4 35 17 | 9°58'35 | 19°10 | 26°21 | 27° 8 | 21°43 | 5°D33 | 21°46 | 21° 5 | 20°40 | 28° 4 | 8°37 | 7°14 | 2°43 | n.a. | W17 |
| T 18 | 4 39 14 | 10°59'31 | 1♊51 | 25°41 | 27°50 | 21°38 | 5°33 | 21°50 | 21° 9 | 20°42 | 28° 6 | 8°28 | 7°11 | 2°49 | n.a. | T 18 |
| F 19 | 4 43 10 | 12° 0'25 | 14°21 | 25°10 | 28°34 | 21°32 | 5°33 | 21°54 | 21°12 | 20°44 | 28° 8 | 8°17 | 7° 8 | 2°56 | n.a. | F 19 |
| S 20 | 4 47 7 | 13° 1'18 | 26°41 | 24°47 | 29°18 | 21°25 | 5°33 | 21°58 | 21°16 | 20°47 | 28°10 | 8° 5 | 7° 5 | 3° 3 | n.a. | S 20 |
| S 21 | 4 51 3 | 14° 2'09 | 8♋52 | 24°32 | 0♏ 3 | 21°17 | 5°34 | 22° 3 | 21°19 | 20°49 | 28°11 | 7°52 | 7° 2 | 3° 9 | n.a. | S 21 |
| M22 | 4 55 0 | 15° 2'59 | 20°53 | 24°D26 | 0°49 | 21° 8 | 5°35 | 22° 7 | 21°23 | 20°51 | 28°13 | 7°40 | 6°59 | 3°16 | n.a. | M22 |
| T 23 | 4 58 56 | 16° 3'48 | 2♌48 | 24°28 | 1°36 | 20°59 | 5°36 | 22°12 | 21°26 | 20°54 | 28°15 | 7°30 | 6°55 | 3°23 | n.a. | T 23 |
| W24 | 5 2 53 | 17° 4'35 | 14°38 | 24°36 | 2°24 | 20°49 | 5°37 | 22°16 | 21°30 | 20°56 | 28°16 | 7°23 | 6°52 | 3°30 | n.a. | W24 |
| T 25 | 5 6 50 | 18° 5'21 | 26°28 | 24°51 | 3°13 | 20°38 | 5°39 | 22°21 | 21°33 | 20°58 | 28°18 | 7°18 | 6°49 | 3°36 | n.a. | T 25 |
| F 26 | 5 10 46 | 19° 6'06 | 8♍22 | 25°13 | 4° 2 | 20°26 | 5°40 | 22°26 | 21°37 | 21° 0 | 28°20 | 7°16 | 6°46 | 3°43 | n.a. | F 26 |
| S 27 | 5 14 43 | 20° 6'50 | 20°25 | 25°40 | 4°53 | 20°13 | 5°42 | 22°31 | 21°40 | 21° 3 | 28°21 | 7°D15 | 6°43 | 3°50 | n.a. | S 27 |
| S 28 | 5 18 39 | 21° 7'32 | 2♎43 | 26°12 | 5°44 | 20° 0 | 5°44 | 22°36 | 21°44 | 21° 5 | 28°23 | 7°R15 | 6°39 | 3°56 | n.a. | S 28 |
| M29 | 5 22 36 | 22° 8'13 | 15°21 | 26°49 | 6°36 | 19°46 | 5°47 | 22°41 | 21°47 | 21° 7 | 28°24 | 7°15 | 6°36 | 4° 3 | n.a. | M29 |
| T 30 | 5 26 32 | 23° 8'52 | 28°23 | 27°31 | 7°28 | 19°31 | 5°49 | 22°46 | 21°50 | 21° 9 | 28°26 | 7°13 | 6°33 | 4°10 | n.a. | T 30 |
| W31 | 5 30 29 | 24♐ 9'30 | 11♏53 | 28♏16 | 8♏22 | 19♋16 | 5♈52 | 22♒51 | 21♐54 | 21♐12 | 28♎27 | 7♎ 9 | 6♎30 | 4♌16 | n.a. | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | | decl | lat |
| M 1 | 19s 4 | 3s14 | 0s11 | 22s17 | 0n 9 | 4s40 | 3n12 | 25n10 | 3n 3 | 1n15 | 1s17 | 17s 7 | 2s25 | 23s54 | 0s21 | 23s16 | 0n17 | 2s35 | 8n49 | 3s53 | 3s16 | 15n43 | | | n.a. |
| T 2 | 19 19 | 7 18 | 0n59 | 21 59 | 0 27 | 4 41 | 3 18 | 25 12 | 3 5 | 1 14 | 1 17 | 17 6 | 2 25 | 23 54 | 0 21 | 23 16 | 0 17 | 2 36 | 8 49 | 3 53 | 3 15 | 15 42 | | | n.a. |
| W 3 | 19 34 | 11 7 | 2 8 | 21 39 | 0 46 | 4 43 | 3 24 | 25 13 | 3 8 | 1 13 | 1 17 | 17 4 | 2 25 | 23 54 | 0 21 | 23 16 | 0 17 | 2 37 | 8 49 | 3 52 | 3 14 | 15 41 | | | n.a. |
| T 4 | 19 49 | 14 27 | 3 12 | 21 17 | 1 5 | 4 46 | 3 30 | 25 15 | 3 10 | 1 12 | 1 16 | 17 3 | 2 25 | 23 55 | 0 21 | 23 16 | 0 17 | 2 38 | 8 49 | 3 50 | 3 12 | 15 40 | | | n.a. |
| F 5 | 20 3 | 17 0 | 4 5 | 20 53 | 1 24 | 4 50 | 3 35 | 25 17 | 3 13 | 1 11 | 1 16 | 17 2 | 2 25 | 23 55 | 0 21 | 23 16 | 0 17 | 2 38 | 8 49 | 3 47 | 3 11 | 15 39 | | | n.a. |
| S 6 | 20 17 | 18 32 | 4 43 | 20 26 | 1 44 | 4 54 | 3 40 | 25 19 | 3 15 | 1 11 | 1 16 | 17 1 | 2 24 | 23 55 | 0 21 | 23 16 | 0 17 | 2 39 | 8 49 | 3 44 | 3 10 | 15 38 | | | n.a. |
| S 7 | 20 31 | 18 51 | 5 4 | 19 59 | 2 3 | 5 0 | 3 45 | 25 21 | 3 18 | 1 10 | 1 15 | 17 0 | 2 24 | 23 55 | 0 21 | 23 17 | 0 17 | 2 40 | 8 49 | 3 40 | 3 9 | 15 37 | | | n.a. |
| M 8 | 20 44 | 17 55 | 5 4 | 19 31 | 2 21 | 5 7 | 3 49 | 25 23 | 3 20 | 1 10 | 1 15 | 16 59 | 2 24 | 23 56 | 0 21 | 23 17 | 0 17 | 2 40 | 8 49 | 3 37 | 3 7 | 15 36 | | | n.a. |
| T 9 | 20 56 | 15 49 | 4 45 | 19 2 | 2 37 | 5 15 | 3 53 | 25 25 | 3 23 | 1 9 | 1 15 | 16 57 | 2 24 | 23 56 | 0 21 | 23 17 | 0 17 | 2 41 | 8 49 | 3 35 | 3 6 | 15 34 | | | n.a. |
| W10 | 21 9 | 12 45 | 4 8 | 18 34 | 2 52 | 5 24 | 3 56 | 25 27 | 3 25 | 1 9 | 1 14 | 16 56 | 2 23 | 23 56 | 0 21 | 23 17 | 0 17 | 2 42 | 8 49 | 3 33 | 3 5 | 15 33 | | | n.a. |
| T 11 | 21 21 | 8 59 | 3 17 | 18 7 | 3 5 | 5 33 | 3 59 | 25 30 | 3 28 | 1 9 | 1 14 | 16 55 | 2 23 | 23 56 | 0 21 | 23 17 | 0 17 | 2 42 | 8 49 | 3 33 | 3 3 | 15 32 | | | n.a. |
| F 12 | 21 32 | 4 46 | 2 14 | 17 41 | 3 16 | 5 44 | 4 2 | 25 33 | 3 31 | 1 8 | 1 14 | 16 53 | 2 23 | 23 56 | 0 21 | 23 17 | 0 17 | 2 43 | 8 49 | 3 33 | 3 2 | 15 31 | | | n.a. |
| S 13 | 21 43 | 0 23 | 1 5 | 17 18 | 3 24 | 5 55 | 4 5 | 25 35 | 3 33 | 1 8 | 1 13 | 16 52 | 2 23 | 23 57 | 0 21 | 23 18 | 0 17 | 2 43 | 8 49 | 3 33 | 3 1 | 15 30 | | | n.a. |
| S 14 | 21 54 | 3n57 | 0s 7 | 16 57 | 3 30 | 6 6 | 4 7 | 25 38 | 3 36 | 1 8 | 1 13 | 16 50 | 2 23 | 23 57 | 0 21 | 23 18 | 0 17 | 2 44 | 8 50 | 3 33 | 3 0 | 15 29 | | | n.a. |
| M15 | 22 4 | 8 2 | 1 17 | 16 40 | 3 34 | 6 19 | 4 9 | 25 41 | 3 38 | 1 8 | 1 13 | 16 49 | 2 22 | 23 57 | 0 21 | 23 18 | 0 17 | 2 45 | 8 50 | 3 33 | 2 58 | 15 28 | | | n.a. |
| T 16 | 22 14 | 11 40 | 2 21 | 16 25 | 3 35 | 6 32 | 4 10 | 25 44 | 3 41 | 1 9 | 1 12 | 16 47 | 2 22 | 23 57 | 0 21 | 23 18 | 0 17 | 2 45 | 8 50 | 3 32 | 2 57 | 15 26 | | | n.a. |
| W17 | 22 23 | 14 42 | 3 18 | 16 15 | 3 35 | 6 45 | 4 11 | 25 48 | 3 43 | 1 9 | 1 12 | 16 46 | 2 22 | 23 58 | 0 21 | 23 18 | 0 17 | 2 46 | 8 50 | 3 29 | 2 56 | 15 25 | | | n.a. |
| T 18 | 22 32 | 16 58 | 4 4 | 16 8 | 3 32 | 7 0 | 4 13 | 25 51 | 3 46 | 1 9 | 1 12 | 16 44 | 2 22 | 23 58 | 0 21 | 23 19 | 0 17 | 2 46 | 8 50 | 3 25 | 2 54 | 15 24 | | | n.a. |
| F 19 | 22 41 | 18 24 | 4 37 | 16 4 | 3 28 | 7 14 | 4 13 | 25 55 | 3 48 | 1 10 | 1 11 | 16 43 | 2 22 | 23 58 | 0 21 | 23 19 | 0 16 | 2 47 | 8 50 | 3 21 | 2 53 | 15 23 | | | n.a. |
| S 20 | 22 49 | 18 56 | 4 56 | 16 4 | 3 23 | 7 30 | 4 14 | 25 58 | 3 51 | 1 10 | 1 11 | 16 41 | 2 21 | 23 58 | 0 21 | 23 19 | 0 16 | 2 47 | 8 50 | 3 16 | 2 52 | 15 22 | | | n.a. |
| S 21 | 22 56 | 18 35 | 5 2 | 16 7 | 3 16 | 7 45 | 4 14 | 26 2 | 3 53 | 1 11 | 1 11 | 16 39 | 2 21 | 23 59 | 0 21 | 23 19 | 0 16 | 2 48 | 8 50 | 3 11 | 2 51 | 15 21 | | | n.a. |
| M22 | 23 4 | 17 25 | 4 54 | 16 12 | 3 9 | 8 1 | 4 14 | 26 6 | 3 56 | 1 11 | 1 10 | 16 38 | 2 21 | 23 59 | 0 21 | 23 19 | 0 16 | 2 48 | 8 50 | 3 6 | 2 49 | 15 20 | | | n.a. |
| T 23 | 23 10 | 15 29 | 4 34 | 16 21 | 3 1 | 8 18 | 4 14 | 26 10 | 3 58 | 1 12 | 1 10 | 16 36 | 2 21 | 23 59 | 0 21 | 23 19 | 0 16 | 2 49 | 8 50 | 3 2 | 2 48 | 15 18 | | | n.a. |
| W24 | 23 16 | 12 55 | 4 1 | 16 31 | 2 52 | 8 35 | 4 14 | 26 14 | 4 1 | 1 13 | 1 10 | 16 34 | 2 21 | 23 59 | 0 21 | 23 20 | 0 16 | 2 49 | 8 51 | 2 59 | 2 47 | 15 17 | | | n.a. |
| T 25 | 23 22 | 9 50 | 3 19 | 16 44 | 2 43 | 8 52 | 4 13 | 26 18 | 4 3 | 1 14 | 1 9 | 16 33 | 2 20 | 24 0 | 0 21 | 23 20 | 0 16 | 2 50 | 8 51 | 2 57 | 2 45 | 15 16 | | | n.a. |
| F 26 | 23 27 | 6 20 | 2 27 | 16 58 | 2 33 | 9 10 | 4 12 | 26 22 | 4 6 | 1 15 | 1 9 | 16 31 | 2 20 | 24 0 | 0 21 | 23 20 | 0 16 | 2 50 | 8 51 | 2 56 | 2 44 | 15 15 | | | n.a. |
| S 27 | 23 32 | 2 31 | 1 28 | 17 15 | 2 23 | 9 28 | 4 11 | 26 27 | 4 8 | 1 16 | 1 9 | 16 29 | 2 20 | 24 0 | 0 21 | 23 20 | 0 16 | 2 51 | 8 51 | 2 56 | 2 43 | 15 14 | | | n.a. |
| S 28 | 23 37 | 1s28 | 0 24 | 17 32 | 2 13 | 9 46 | 4 10 | 26 31 | 4 10 | 1 17 | 1 8 | 16 27 | 2 20 | 24 0 | 0 21 | 23 20 | 0 16 | 2 51 | 8 51 | 2 56 | 2 42 | 15 13 | | | n.a. |
| M29 | 23 41 | 5 30 | 0n43 | 17 51 | 2 3 | 10 4 | 4 9 | 26 35 | 4 13 | 1 18 | 1 8 | 16 25 | 2 20 | 24 0 | 0 21 | 23 20 | 0 16 | 2 51 | 8 51 | 2 56 | 2 40 | 15 11 | | | n.a. |
| T 30 | 23 44 | 9 24 | 1 50 | 18 11 | 1 52 | 10 23 | 4 8 | 26 40 | 4 15 | 1 19 | 1 8 | 16 23 | 2 19 | 24 1 | 0 21 | 23 21 | 0 16 | 2 52 | 8 51 | 2 55 | 2 39 | 15 10 | | | n.a. |
| W31 | 23s47 | 12s58 | 2n52 | 18s31 | 1n42 | 10s42 | 4n 6 | 26n44 | 4n17 | 1n21 | 1s 7 | 16s22 | 2s19 | 24s 1 | 0s21 | 23s21 | 0n16 | 2s52 | 8n52 | 2s54 | 2s38 | 15n 9 | | | n.a. |

Julian Day Number = 1009154.5, Delta T = 12h42m04s
Ecliptic obliquity = 23°54'59, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = -29°57'40, Lahiri = -30°50'38 Julian Calendar 1 Dec. 1951 BCE == Greg. Calendar 14 Nov. 1951 BCE

The year -1950 astronomical counting style corresponds to year 1951 B.C.E historical counting style.


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